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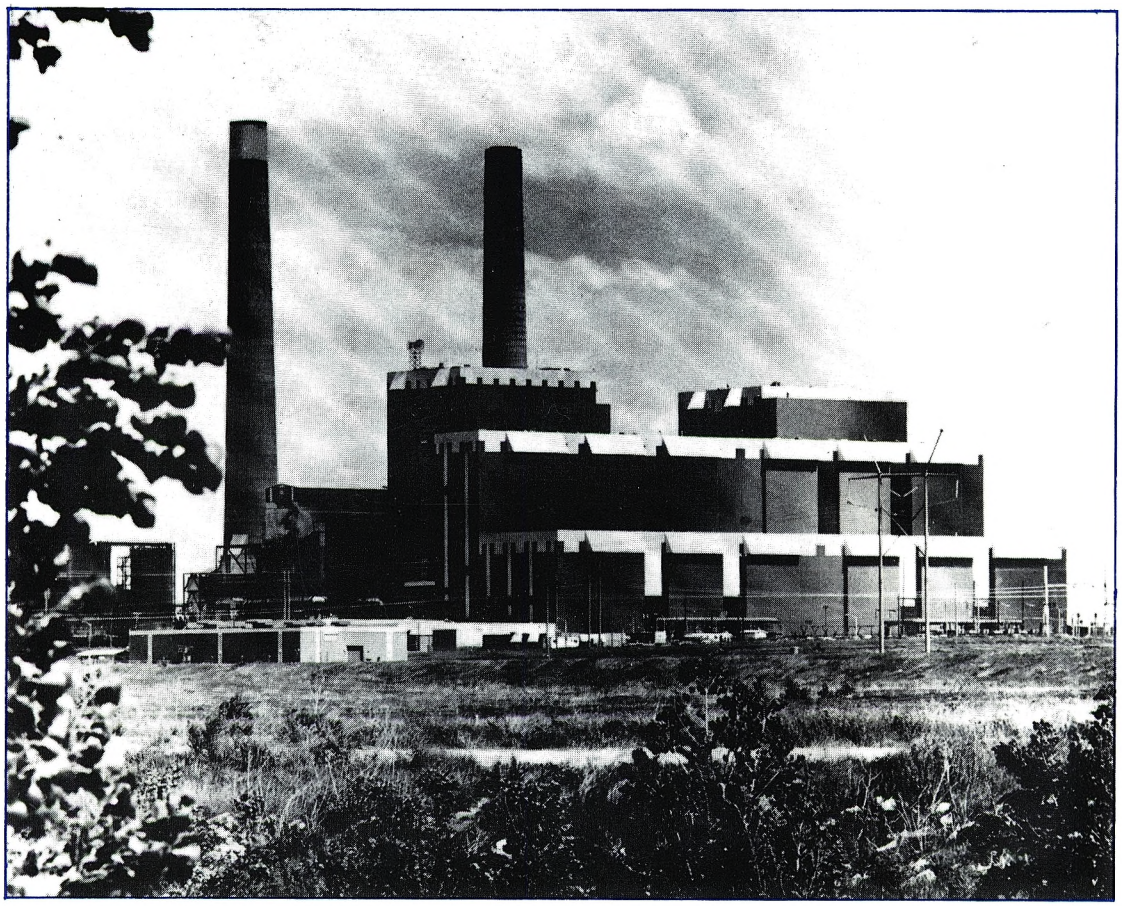
Cost and Quality of Fuels for Electric Utility Plants 1989



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Many electric utilities in the United States use fossil fuels (coal, petroleum, or natural gas) to generate electricity.

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Cost and Quality of Fuels for Electric Utility Plants 1989

Energy Information Administration
Office of Coal, Nuclear,
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U. S. Department of Energy
Washington DC 20585

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Preface

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

Background

The *C&QA* is prepared by the Electric Power 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 contained 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 presented in this report were collected and published by the EIA, to fulfill its data collection and 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&QA* are compiled from two statistical forms -- one filed monthly and another filed annually by electric utilities. These forms are the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; and the Form EIA-767, "Steam-Electric Plant Operation and Design Report." A brief summary of each of these forms follows. These survey forms are described in more detail in Appendix C, "Technical Notes."

The FERC Form 423, which is a restricted-universe census, is used to collect monthly data from steam-electric power generating plants with a combined generator nameplate capacity of 50 or more megawatts (approximately 225 electric utilities). The 50-megawatt threshold was established by 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.

The Form EIA-767 is a survey of all operators of power plants with a fossil-fueled steam-electric existing or planned nameplate capacity of 10 or more megawatts. The Form EIA-767 is used to collect data annually on plant operation and equipment design (including boiler, generator, cooling system, flue gas desulfurization units, flue gas particulate collectors, and stack data). Approximately 320 electric utilities provide information regarding approximately 900 power plants on the Form EIA-767. This represents approximately 95 percent of all fossil-fuel generating capacity.

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Executive Summary

In 1989, electric utilities received a record 753 million short tons of coal (Table ES1), an increase of 25 million short tons from 1988 levels. Receipts of coal increased because of the emphasis that electric utilities placed on maintaining rather than reducing coal stockpiles as in 1988. Petroleum received by electric utilities in 1989 totaled 246 million barrels, an increase of 9 million barrels from 1988. Receipts of gas at electric utilities in 1989 totaled 2,473 billion cubic feet, an increase of 110 billion cubic feet from 1988. Several electric utilities in the New England, Middle Atlantic and South Atlantic Census Divisions reported increases in gas receipts due in part to the competitive price of gas versus petroleum.

Coal

Receipts. The 753 million short tons of coal received at electric utilities in 1989 (Table ES1) represented a 4-percent increase from coal receipts in 1988. The increased demand can be attributed to changes in coal stocks at electric utilities over the last 2 years. Many electric utilities had prepared for a possible United Mine Workers (UMW) strike in late 1987 by increasing stocks of coal. The strike was avoided. However, the absence of a strike left many electric utilities with excessively high coal stocks at the start of 1988. Throughout 1988, electric utilities reduced stocks by limiting purchases of replacement coal, thereby affecting receipts. In 1989, with the stock reduction nearly complete, electric utilities were more likely to purchase additional coal to replace any coal consumed. The result was increased receipts of coal at many electric utilities in 1989 compared with 1988.

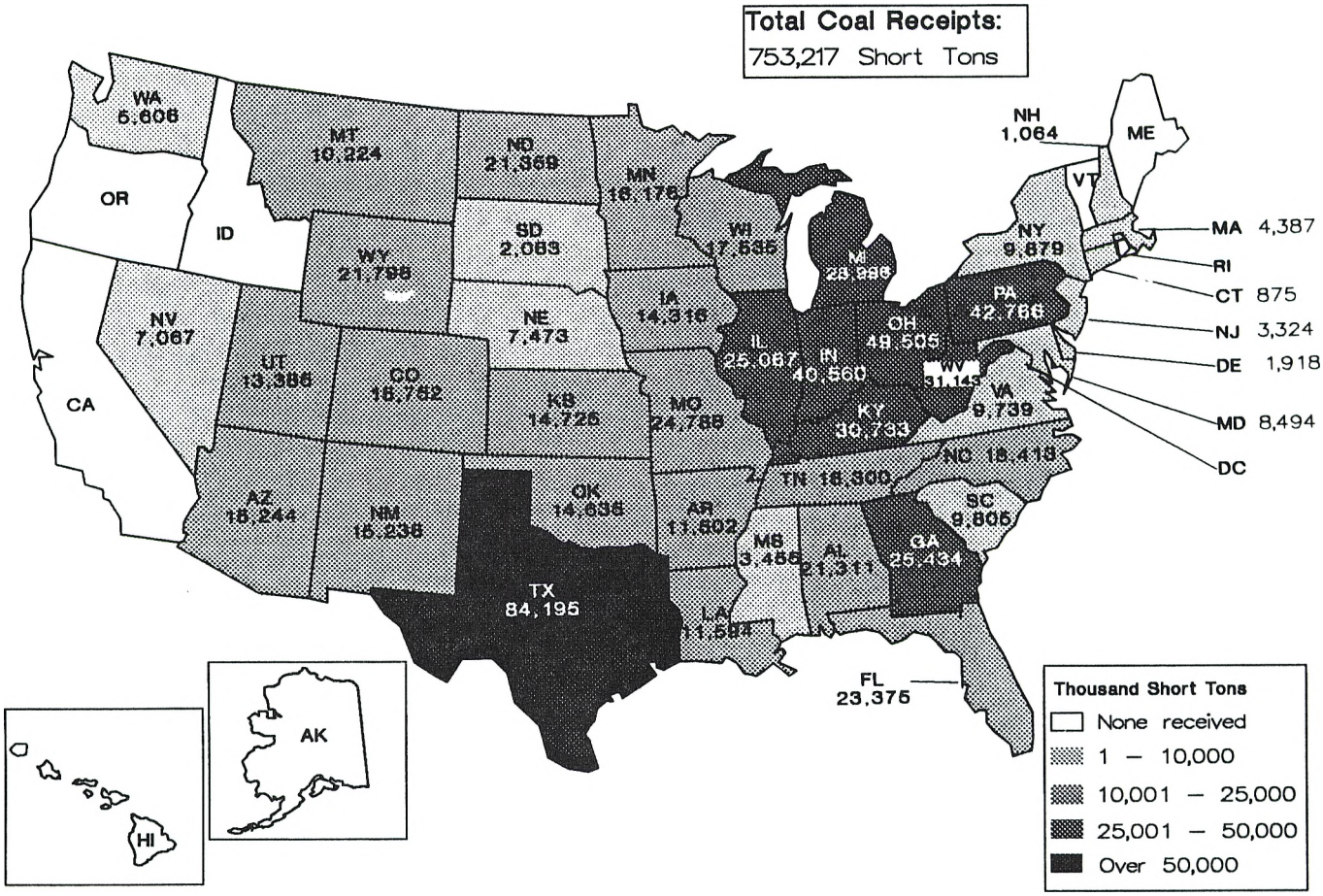
Coal purchased in the spot market by electric utilities totaled 132 million short tons in 1989 (Table ES8), up 32 percent from 1988. Coal purchased under contract decreased from 628 million short tons in 1988 to 621 million short tons in 1989. Many electric utilities reduced purchases of high-priced contract coal, and instead bought lower priced coal in the spot market, on an as-needed basis. During the months of July and August 1989, the volume of coal received at electric utilities was affected by a UMW strike (and associated wildcat strikes), which occurred at several mines in the eastern United States. Because of the strike, which limited the availability of coal, shipments of contract coal to some electric utilities was halted during this period. Coal receipts, including both contract and spot-market coal, fell to 55 million short tons in July 1989 (Table ES6). In August, with the end of the strike, coal receipts rebounded -- reaching 70 million short tons. Although shipments of contract coal returned to more normal levels in September, spot-market shipments remained high through the end of the year.

At the Census division level, the Middle Atlantic Census Division had the largest percentage increase (9 percent) in coal receipts in 1989 from those reported in 1988 (Table 4). The South Atlantic Census Division reported the largest volume increase (7 million short tons) in coal receipts. The East North Central and the West South Central reported increases in coal receipts of 6 and 5 million short tons, respectively.

In 1989, several electric utilities reported notable increases in receipts of coal (Table 52). The Appalachian Power Company (located in West Virginia and Virginia) reported coal receipts of nearly 11 million short tons, increasing 21 percent from 1988. Like many electric utilities in 1989, Appalachian Power purchased more coal to meet its consumption needs rather than deplete its coal stockpiles as in 1988. The Indiana Michigan Power Company reported coal receipts of 8 million short tons, an increase of 50 percent from 1988. The additional coal was required to fuel the Rockport Unit Number 2, which became operational in October 1989. Coal receipts to the Virginia Electric and Power Company totaled 11 million short tons in 1989, an increase of 2 million short tons from 1988 receipts. Consumption of coal was higher due to a substantial decline in generation at both nuclear plants at the company. The Public Service Company of New Mexico reported an increase in the coal received (22 percent) and consumed at the San Juan Plant.

For the fourth consecutive year, the Tennessee Valley Authority (TVA) reported the highest total coal receipts of any electric utility in the Nation (Table 7). The 33 million short tons of coal received at the TVA represented an increase of 700 thousand short tons over those reported in 1988. This increase occurred despite an increase in nuclear-powered and hydroelectric generation and a decline in coal-fired generation. Like many other electric utilities in 1989, the TVA purchased additional coal to replace that consumed rather than reduce stockpiles.

Figure ES1. Receipts of Coal, 1989



Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Coal received by the Seminole Electric Power Cooperative totaled 3 million short tons, an increase of 33 percent from 1988, because its only plant returned to full service after an outage in 1988. The Duke Power Company reported coal receipts of nearly 10 million short tons, an increase of 1 million short tons from 1988. This increase was due to higher coal consumption and generation. The Houston Lighting & Power Company reported coal receipts of 17 million short tons, an increase of 2 million short tons from 1988. Coal-fired generation increased at both the Parish and Limestone Plants partially offsetting a decline in gas-fired generation. Coal receipts at the Iowa Public Service Company totaled 4 million short tons, up 1 million short tons (35 percent) from 1988. The George Neal Plant, the only coal-fired plant owned by the company, returned to full operation after a partial outage in 1988. Other electric utilities that reported substantial increases in coal receipts in 1989 compared with 1988 include the Grand River Dam Authority, Hoosier Energy Rural Electric Cooperative, Inc., Kentucky Power Company, Louisville Gas & Electric Company, Monongahela Power Company, Public Service Electric & Gas Company, Union Electric Company, and the West Penn Power Company.

Several electric utilities reported substantial decreases in coal receipts in 1989 compared with 1988. Commonwealth Edison Company (Illinois) reported coal receipts of 9 million short tons in 1989, a decrease of 2 million short tons from 1988. Coal consumption at this company decreased in 1989 because of a substantial increase in nuclear-powered generation. The Mississippi Power Company and the Gulf Power Company, members of the Southern Company, each reported decreases in coal receipts in excess of 1 million tons. In addition to a reduction in stocks at Gulf Power, both electric utilities purchased more economical power from other members of the Southern Company. The Basin Electric Power Cooperative reported coal receipts of 13 million short tons, down over 1 million short tons from 1988. The Cooperative reported a substantial decline in coal-fired generation as well as in consumption of coal during 1989 compared with 1988. This occurred, in part, because two plants were out of service for an extended period of time during 1989 and the Cooperative did not generate excess power for sale as in 1988. Other electric utilities that reported decreases in coal receipts in 1989 compared with 1988 included the Delmarva Power & Light Company, East Kentucky Power Cooperative, Inc., Iowa Power & Light Company, Kentucky Utilities Company, Omaha Public Power District, and Southern California Edison Company.

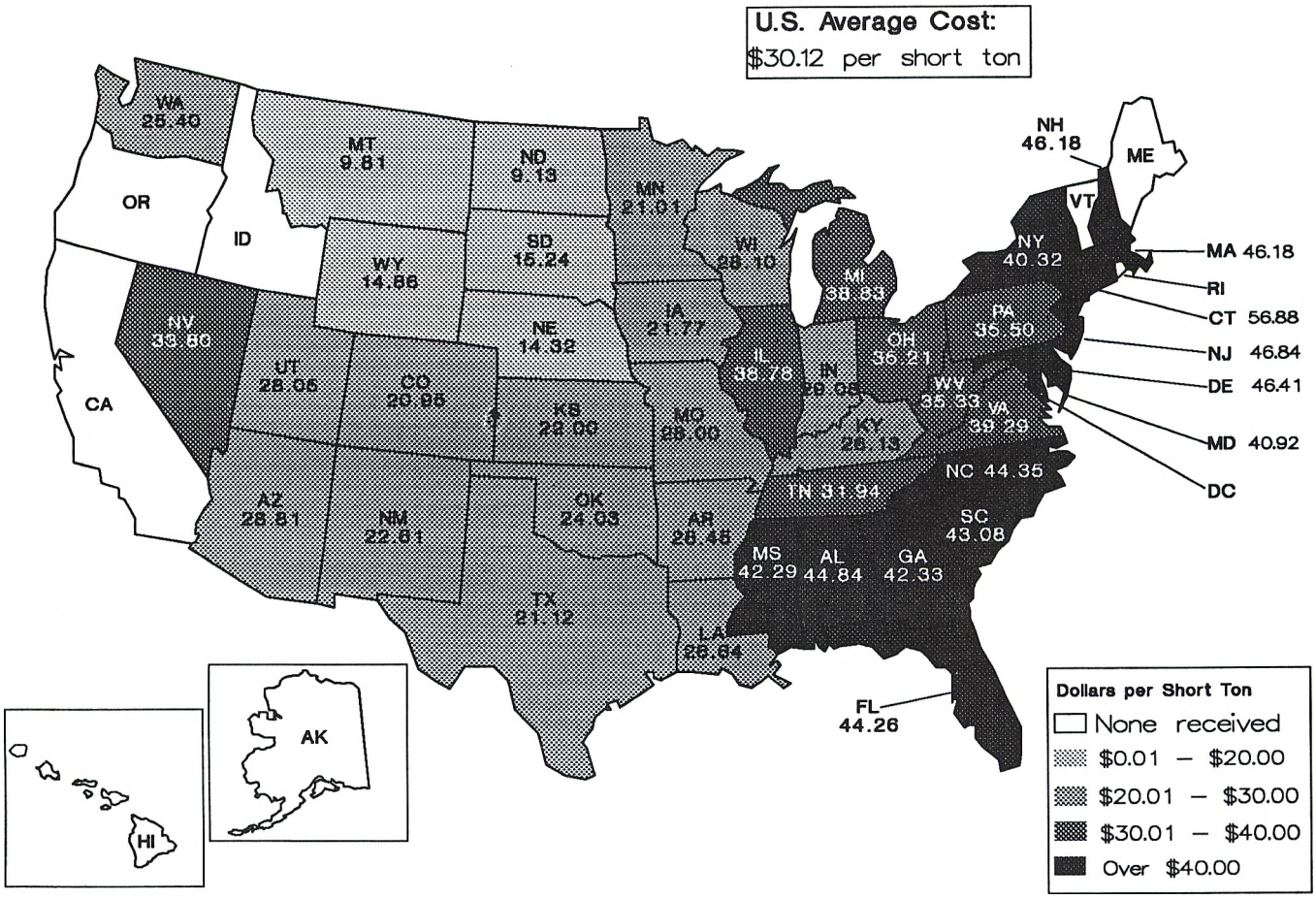
Costs. The average delivered cost of coal received by electric utilities in 1989 was $30.12, a decrease of 2 percent from that reported in 1988 (Table ES2). The average cost of coal purchased under contract was $30.35 per short ton, a decrease of $0.51 per short ton (2 percent) from the average cost reported in 1988. Coal purchased in the spot market averaged $29.04 per short ton, decreasing $0.26 (1 percent) from 1988 levels. Many of the same factors that were responsible for a decrease in the cost of coal in 1988 contributed to the decline in 1989 prices. Among these factors were buyouts and renegotiations of high-priced coal contracts, renegotiation of rail contracts for hauling coal, increased purchases of low-cost, spot-market coal, and excess production capacity within the coal industry.

The cost of coal delivered to individual electric utilities varied considerably in 1989 (Table 51). Minnkota Power Cooperative (North Dakota) reported an average delivered cost of $6.56 per short ton for low-Btu lignite, while the United Illuminating Company (Connecticut) reported an average delivered cost of $56.88 per short ton for nearly 1 million tons of low-sulfur coal. Alabama Power Company reported the highest average cost of coal delivered to an individual electric plant. The company reported that nearly 3 million short tons of low-sulfur coal were received at the James Miller Plant at an average cost of $64.95 per short ton delivered.

Several electric utilities reported notable changes in the cost of coal delivered in 1989 compared with 1988 (Table 52). The Indiana Michigan Power Company reported an average delivered cost of $27.32 per short ton, a decrease of $4.23 per short ton from 1988. The lower cost reflects a larger volume of low-priced, low-Btu coal purchased from Wyoming for use at the Rockport Plant. The Iowa Public Service Company reported an average cost of $18.15 per short ton delivered in 1989, a decrease of $4.83 per short ton from 1988. Several coal contracts expired in 1989, which allowed the Iowa Public Service Company to purchase over 1 million short tons of coal on the spot market at a much lower price than that purchased under contract.

The average cost of coal delivered to the City of Kansas City (Kansas) was $22.46 per short ton, a decrease of $4.41 per short ton from 1988. A reduction in deliveries of high-priced Illinois coal to the Kaw and Quindaro Plants and increased purchases of low-priced Wyoming coal resulted in a much lower average delivered price. The Oklahoma Gas & Electric Company reported an average cost of $24.93 per short ton of coal delivered in 1989, a 13-percent decrease from 1988 because of a reduction in transportation costs of coal delivered from Wyoming. The average cost of coal delivered to the City of Springfield (Illinois) was $26.74 per short ton in 1989, a decrease of $6.89 per short ton from 1988. Renegotiation of the only coal contract held by the company resulted in a 20-percent decrease in the cost of delivered coal.

Figure ES2. Average Delivered Cost of Coal, 1989



Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

The Duquesne Light Company (Pennsylvania) reported a decrease of $4.73 per short ton in the cost of coal delivered to the Elrama and Cheswick Plants. This decrease in cost from $34.85 per short ton in 1988 to $30.12 per short ton in 1989 was due, in part, to increased purchases of low-priced, spot-market coal. The Ohio Valley Electric Corporation reported the largest decrease in the cost of coal. Coal was delivered to the Kyger Creek Plant at an average price of $24.95 per short ton in 1989. This represents a $7.95 per short ton (24 percent) decrease from 1988. A buy-out of the major coal contract serving the Kyger Creek Plant, and an increase in purchases of low-priced, spot-market coal resulted in the decrease in the cost of coal delivered in 1989 for the Ohio Valley Electric Corporation.

Other electric utilities reporting notable reductions in the cost of coal delivered in 1989 compared with 1988 included the Appalachian Power Company at $37.97 per short ton compared with $40.32 per short ton, the Central Operating Company (West Virigina) at $36.68 per short ton compared with $41.49 per short ton, the City of Colorado Springs at $32.51 per short ton compared with $35.48 per short ton, the Empire District Electric at $21.22 per short ton compared with $23.86 per short ton, the Lower Colorado River Authority at $22.36 per short ton compared with $25.23 per short ton, the City of San Antonio at $22.71 per short ton compared with $24.57 per short ton, and the Toledo Edison Company at $49.87 per short ton compared with $53.49 per short ton.

Some electric utilities reported large increases in the cost of coal delivered in 1989 compared with 1988. The cost of coal delivered to Cajun Electric Power Cooperative (Louisiana) was $27.33 per short ton in 1989, an increase of $2.91 per short ton from 1988 because the cooperative did not continue to purchase low-priced, spot-market coal in 1989. The Gulf Power Company (Florida) reported an increase of $4.10 per short ton in the cost of coal because of reduced deliveries of spot-market coal. The Southern California Edison Company reported an increase of $4.66 per short ton in the cost of coal because the fixed costs incurred at the mine and associated with the coal-slurry pipeline were absorbed by a 17 percent reduction in coal receipts.

Other electric utilities that reported higher costs for coal delivered in 1989 compared with 1988 were the Iowa Power & Light Company at $18.24 per short ton compared with $16.91 per short ton, the City of Los Angeles at $34.31 per short ton compared with $32.92 per short ton, the Ohio Power Company at $41.09 per short ton compared with $39.33 per short ton, the Potomac Electric Power Company at $42.08 per short ton compared with $40.77 per short ton, and the Wisconsin Public Service Company at $38.08 per short ton compared with $36.70 per short ton.

Quality. Electric utilities received 753 million short tons of coal in 1989 with an average Btu content of 10,425 per pound, sulfur content of 1.33 percent by weight, and ash content of 9.93 percent by weight (Table 6). Since 1985, the average Btu content of coal delivered to electric utilities has averaged between 10,400 and 10,600 Btu per pound. This consistency is due primarily to increased deliveries of bituminous coal with a high-Btu content offsetting increased deliveries of low-Btu lignite and low-Btu subbituminous coal.

Coal originating in Virginia ranked the highest in Btu content, averaging 12,896 Btu per pound of coal (Table 18). Lignite, mined and delivered from Texas, ranked the lowest in Btu content at 6,272 Btu per pound. Subbituminous coal originating in the Powder River Basin, located in Wyoming and Montana, ranged from 8,500 to 9,500 Btu per pound, approximately 2,000 to 3,000 Btu per pound less than bituminous coal mined in the eastern United States.

The sulfur content of coal delivered to electric utilities has been declining since the early 1970's. This increased use of lower sulfur coal is due, in part, to environmental restrictions placed on power plant emissions, and an increase in receipts of low-sulfur lignite and subbituminous coal to several new power plants in the central and western United States.

In 1989, coal receipts from Wyoming contained the lowest average sulfur content, 0.38 percent by weight, while coal receipts from Missouri had the highest average sulfur content, 4.50 percent by weight (Table 18). Electric utilities that received most or all of their coal from Montana, Wyoming, Utah, or District 8 (Virginia, eastern Kentucky, southern West Virginia) reported the lowest average sulfur content for coal receipts, usually under 1.0 percent sulfur (Tables 18 and 19). The Ohio Valley Electric Corporation, which received its coal from Ohio and West Virginia, reported the highest average sulfur content delivered to an electric utility, at 3.81 percent (Table 49). Several other electric utilities that received most or all of their coal from western Kentucky (District 9), Missouri, Kansas, Indiana, Ohio, or Illinois reported an average sulfur content above 2.5 percent.

Imports. In 1989, electric utilities imported 1.2 million short tons of coal, a 25-percent increase from coal imported in 1988 (Table 27). The Jacksonville Electric Authority, which is the only electric utility that purchases imported coal on a contract basis, received the largest volume of imported coal in 1989 (841 thousand short tons from Colombia and Venezuela) at an average delivered cost of $41.38 per short ton.

Other electric utilities that imported coal in 1989 through spot-market purchases included the Baltimore Gas & Electric Company, 247 thousand short tons from Colombia at an average delivered cost of $47.75 per short ton; the New England Power Company, 63 thousand short tons from Colombia at $45.38 per short ton; the Public Service Electric & Gas Company, 41

thousand short tons from Colombia and Venezuela at $48.47 per short ton; and the Savannah Electric & Power Company, 23 million short tons from Colombia at $45.52 per short ton.

Petroleum

Receipts. Electric utilities received 246 million barrels of petroleum in 1989 (Figure ES3), an increase of 9 million barrels from the 237 million reported in 1988 (Table ES1). The Middle Atlantic, South Atlantic, and New England Census Divisions accounted for 212 million barrels or 86 percent of all petroleum receipts (Table ES4). At the State level, New York ranked highest with 66 million barrels, followed by Florida and Massachusetts with 40 and 29 million barrels, respectively (Table 32). Receipts of petroleum to the South Atlantic Census Division increased 9 million barrels from 1988 because of a 13-percent increase in petroleum-fired generation. Receipts of petroleum to the Middle Atlantic Census Division increased by almost 3 million barrels because of increased consumption, while receipts to the New England Census Division decreased by 1 million barrels because of lower consumption and generation levels for 1989. Petroleum receipts to the Pacific Census Division decreased by 4 million barrels, reflecting a drawdown in petroleum stocks.

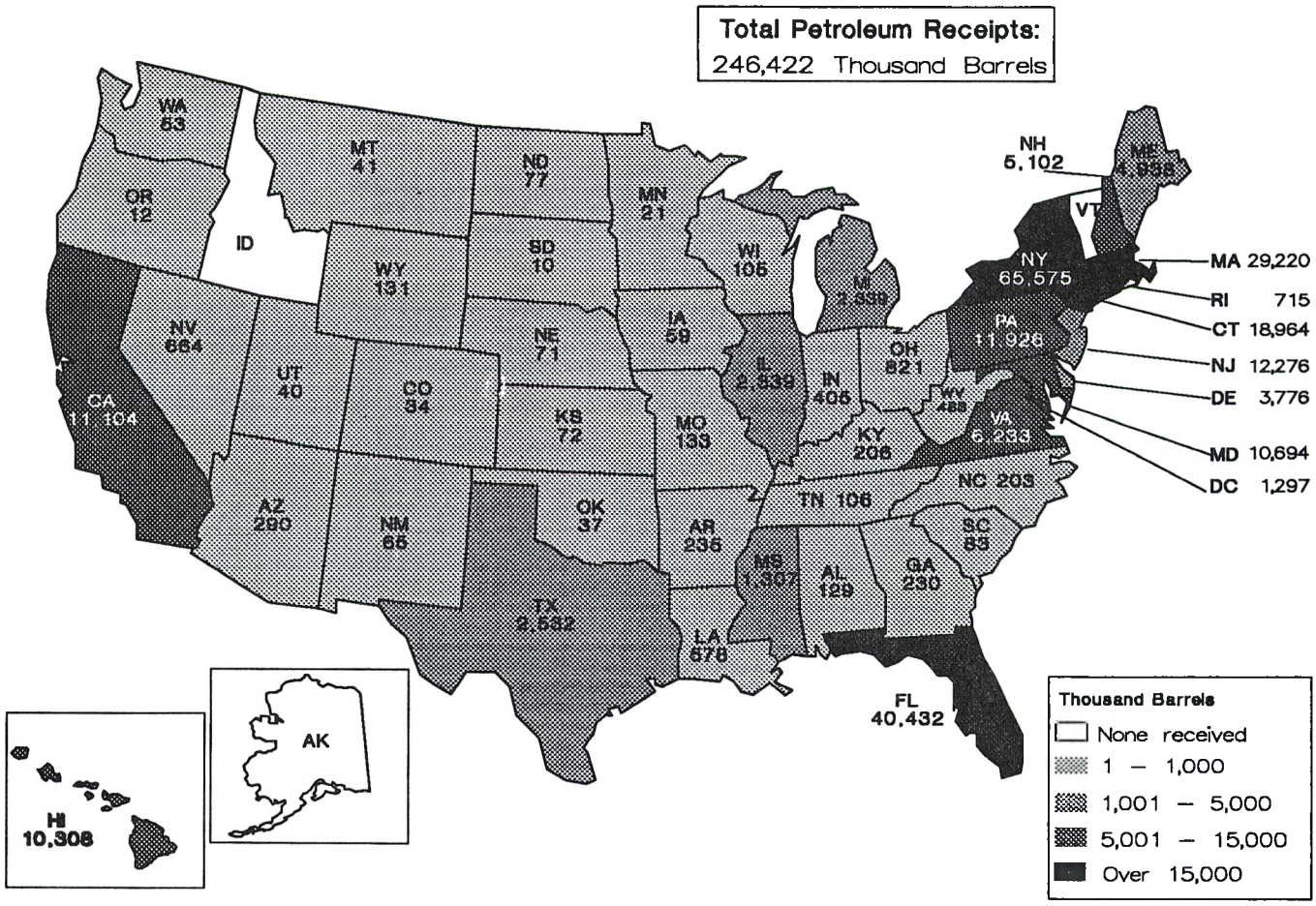
In 1989, several electric utilities reported notable changes in receipts of petroleum (Table 52). The Florida Power Corporation reported receipts of more than 11 million barrels, an increase of 4 million barrels from 1988. Petroleum-fired generation was up substantially because of outages at the Crystal River nuclear facility. Receipts of petroleum to the Baltimore Gas & Electric Company totaled over 5 million barrels in 1989, an increase of nearly 4 million barrels from 1988. A lengthy outage at the Calvert Cliffs nuclear plant forced Baltimore Gas & Electric to more than double petroleum-fired generation, as well as increase generation from its coal-fired and gas-fired generating units. A similar situation occurred at the Virginia Electric & Power Company (VEPCO) where the two nuclear plants (Surry and North Anna) were out of service for extended periods during 1989. Receipts of petroleum to VEPCO totaled 6 million barrels, an increase of 3 million barrels from 1988. This increase in petroleum-fired generation partially offset the decrease in nuclear generation for the company.

The Jacksonville Electric Authority reported a decrease of 2 million barrels in petroleum receipts. A reduction in petroleum receipts and consumption was possible because of increased generation at the coal-fired St. Johns River Plant. The St. Johns River, Unit Number 2, completed its first full year of operation in 1989. The Southern California Edison Company reported a decrease of 2 million barrels in receipts of petroleum. The company reduced petroleum stocks by more than 2 million barrels in 1989.

Other electric utilities reporting notable changes in petroleum receipts include the Consolidated Edison Company of New York with an increase of 3 million barrels; the Orange and Rockland Utilities and the Central Hudson Gas & Electric Company, each reporting an increase of more than 1 million barrels; the Pacific Gas & Electric Company, a decrease of nearly 2 million barrels; the Boston Edison Company and the Power Authority of the State of New York, each with decreases of more than 1 million barrels.

Costs. The average cost of petroleum delivered to electric utilities was $18.17 per barrel in 1989 (Figure ES4), an increase from $15.33 per barrel in 1988 (Table ES2). World-wide petroleum prices were generally higher in 1989 than in 1988. Record cold weather in December 1989 led to soaring demand for fuel oil and contributed to the increased price of petroleum delivered to electric utilities during the year. Electric utilities reported receiving 24 million barrels of petroleum in December 1989, at an average cost of $22.43 per barrel (Table ES6).

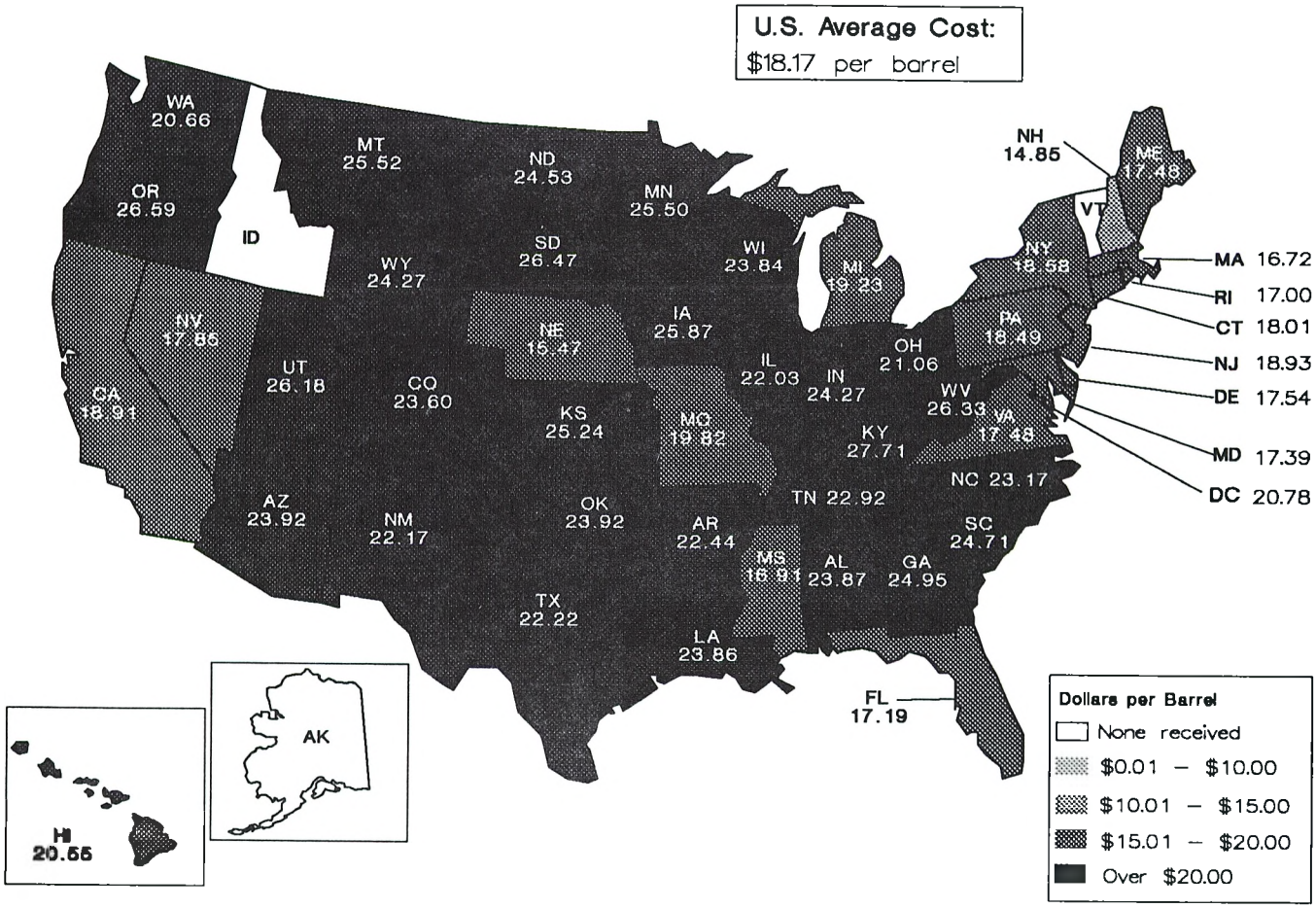
Figure ES3. Receipts of Petroleum, 1989



Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Figure ES4. Average Delivered Cost of Petroleum, 1989



Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Gas

Receipts. In 1989, the volume of gas received at electric utilities totaled 2,473 billion cubic feet (Figure ES5), an increase of 110 billion cubic feet from gas receipts in 1988 (Table ES1). Combined, the West South Central and the Pacific Census Divisions accounted for 1,860 billion cubic feet, 75 percent of total U.S. gas receipts (Table ES5). Significant increases in gas receipts occurred in the South Atlantic, Middle Atlantic, Mountain and New England Census Divisions.

Several electric utilities reported notable increases in receipts of gas (Table 52). The Boston Edison Company reported receiving 37 billion cubic feet of gas in 1989, an increase of 28 billion cubic feet from 1988. A 13-percent difference between the average delivered cost of petroleum and gas (265.2 versus 234.1 cents per million Btu) resulted in an increase in gas-fired generation and a decrease in petroleum-fired generation. The gas received at the Niagara Mohawk Power Company totaled 26 billion cubic feet, an increase of 14 billion cubic feet from 1988. An increase in gas-fired generation offset a similar decrease in petroleum-fired generation. The Arizona Public Service Company reported a near 400 percent increase from 1988 in gas receipts. An outage at the Palo Verde nuclear plant during 1989 led to an increase in gas-fired generation.

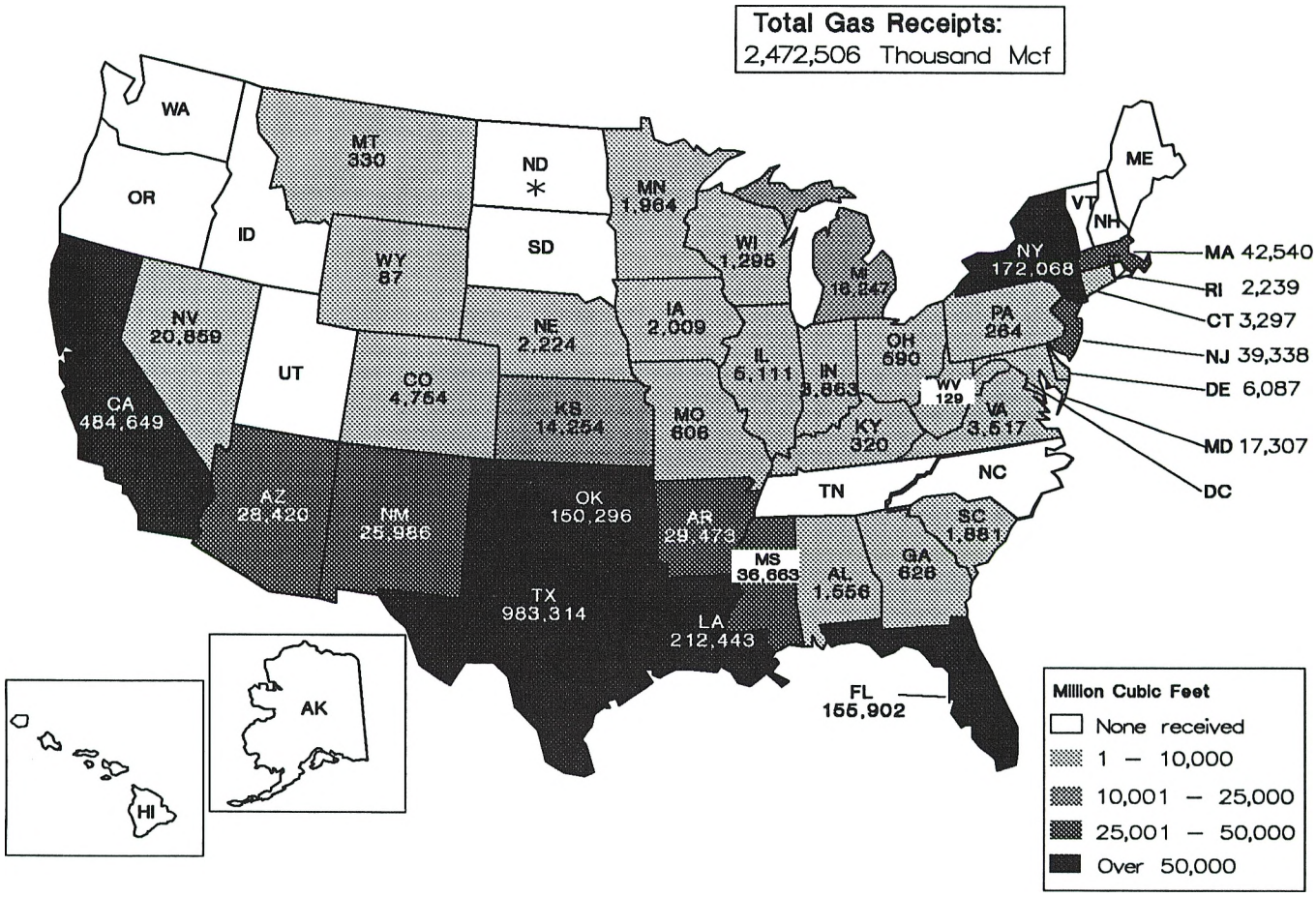
Among other electric utilities that reported substantial increases in the gas received in 1989 compared with 1988 were the Potomac Electric Power Company, 11 billion cubic feet versus 2 billion cubic feet; the Sierra Pacific Power Company, 15 billion cubic feet versus 4 billion cubic feet; the Salt River Project, 14 billion cubic feet versus 5 billion cubic feet; and the Mississippi Power Company, 11 billion cubic feet versus 3 billion cubic feet.

The Pacific Gas & Electric (PG&E) Company reported the largest year-to-year volume decrease in receipts of gas. In 1989, the PG&E reported receiving 226 billion cubic feet of gas, a decrease of 36 billion cubic feet from 1988. This decrease resulted from increases in nuclear and hydroelectric generation.

Costs. The average cost of gas in 1989 was $2.42 per thousand cubic feet delivered (Figure ES6), an increase of 4 percent from 1988 (Table ES2). During the year, the average cost of gas delivered to electric utilities varied from a low of $2.30 per thousand cubic feet in April to a high of $2.84 per thousand cubic feet in December (Table ES6). Among electric utilities receiving more than 1 billion cubic feet of natural gas in 1989, the Louisiana Power and Light (LP&L) Company reported the lowest average delivered cost. The LP&L received 112 billion cubic feet at an average cost of $1.53 per thousand cubic feet (Table 51). The Commonwealth Edison Company (Illinois) reported the highest average cost at $3.56 per thousand cubic feet of gas delivered.

This Pacific Gas and Electric plant burns low-sulfur oil or sulfur-free natural gas.

Figure ES5. Receipts of Gas, 1989

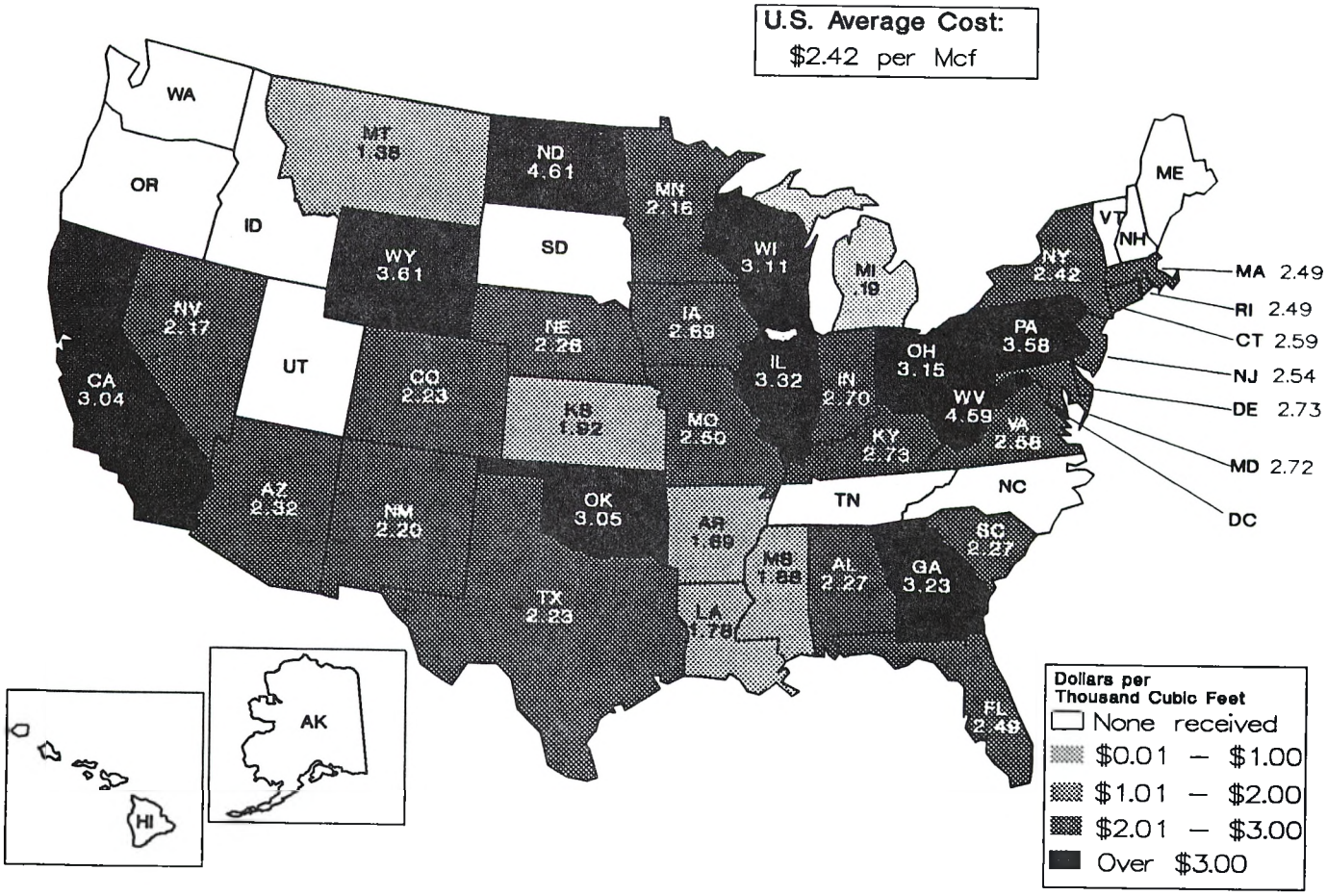


* = Number less than 0.5.

Notes: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts; Mcf = thousand cubic feet.

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

Figure ES6. Average Delivered Cost of Gas, 1989



Note: Total may not equal sum of components because of independent rounding. Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table ES1. Receipts of Fossil Fuels by Type of Fuel, 1988-1989

Type of Fuel	1989	1988	Quantitative Difference	Percent Change
Total Coal (thousand short tons)	**753,217**	**727,775**	**25,442**	**3.5**
Bituminous	451,341	433,063	18,278	4.2
Subbituminous	226,322	220,536	5,786	2.6
Lignite	74,921	73,451	1,470	2.0
Anthracite	633	725	-92	-12.7
Total Petroleum (thousand barrels)	**246,422**	**236,924**	**9,498**	**4.0**
No. 6 Fuel Oil	235,655	229,074	6,581	2.9
No. 4 and No. 5 Fuel Oil	2,013	1,160	853	73.5
No. 2 Fuel Oil	8,754	6,689	2,065	30.9
Total Gas (million cubic feet)	**2,472,506**	**2,362,721**	**109,785**	**4.6**
Natural	2,454,633	2,349,594	105,039	4.5
Other[1]	17,873	13,126	54,747	36.2

[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 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 ES2. Average Delivered Cost of Fossil Fuels, 1988-1989

Type of Purchase	1989	1988	Difference	Percent Change
Total Coal (dollars per short ton)	**30.12**	**30.64**	**-0.52**	**-1.7**
Contract	30.35	30.86	-.51	-1.7
Spot	29.04	29.30	-.26	-.9
Total Petroleum (dollars per barrel)	**18.17**	**15.33**	**2.84**	**18.5**
Contract (No. 6 Fuel Oil)	17.99	15.21	2.78	18.3
Spot (No. 6 Fuel Oil)	17.68	14.94	2.74	18.3
Total Gas (dollars per Mcf)	**2.42**	**2.33**	**.09**	**3.9**
Firm	2.34	2.22	.12	5.4
Interruptible	2.51	2.48	.03	1.2

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 ES3. Receipts of Coal by Census Division, 1989

Census Division	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	6,326	13,109	1.26	7.6	169.9	44.54
Middle Atlantic	55,969	12,432	1.95	12.2	148.9	37.03
East North Central	161,663	11,044	1.83	9.0	154.4	34.10
West North Central	100,899	8,676	1.00	7.5	114.4	19.85
South Atlantic	128,322	12,422	1.50	10.1	165.3	41.07
East South Central	73,798	11,800	2.18	11.4	142.9	33.73
West South Central	121,925	7,692	.62	10.0	147.5	22.69
Mountain	98,709	9,771	.55	11.1	111.6	21.80
Pacific	5,606	8,161	.66	13.6	155.6	25.40
Pacific Noncontiguous	-	-	-	-	-	-
Total	**753,217**	**10,425**	**1.33**	**9.93**	**144.5**	**30.12**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 ES4. Receipts of Petroleum by Census Division, 1989

Census Division	Quantity (thousand barrels)	Average Quality		Average Delivered Cost	
		Btu (per gallon)	Sulfur (percent by weight)	(cents per million Btu)	(dollars per barrel)
New England	58,939	150,683	1.34	269.2	17.04
Middle Atlantic	89,777	149,653	.67	296.1	18.61
East North Central	6,009	145,886	.63	342.6	20.99
West North Central	443	142,240	.72	369.0	22.04
South Atlantic	63,386	149,938	1.15	277.4	17.47
East South Central	1,748	147,319	2.12	308.0	19.06
West South Central	3,381	143,086	.48	375.0	22.54
Mountain	1,264	144,504	.58	342.6	20.79
Pacific	11,170	146,372	.35	307.9	18.93
Pacific Noncontiguous	10,306	148,709	.46	329.1	20.55
Total	**246,422**	**149,546**	**.94**	**289.3**	**18.17**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 ES5. Receipts of Gas by Census Division, 1989

Census Division	Quantity (thousand Mcf)	Btu (per cubic Ft.)	Average Delivered Cost	
			(cents per million Btu)	(dollars per Mcf)
New England	48,076	1,046	238.5	2.50
Middle Atlantic	211,669	1,029	237.4	2.44
East North Central	27,106	469	285.8	1.34
West North Central	21,058	977	211.5	2.07
South Atlantic	185,448	1,016	248.0	2.52
East South Central	38,538	1,025	185.6	1.90
West South Central	1,375,525	1,036	215.7	2.24
Mountain	80,436	1,030	217.2	2.24
Pacific	484,649	1,040	292.4	3.04
Pacific Noncontiguous	-	-	-	-
Total	**2,472,506**	**1,028**	**235.5**	**2.42**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 ES6. Monthly Receipts of Fossil Fuels and Average Delivered Cost by Type of Fuel, 1989

Month	Coal			Petroleum			Gas			All Fossil Fuels
	Quantity (thousand short tons)	(dollars per short ton)	(cents per million Btu)	Quantity (thousand barrels)	(dollars per barrel)	(cents per million Btu)	Quantity (thousand Mcf)	(dollars per Mcf)	(cents per million Btu)	
January	62,443	29.63	142.7	26,516	16.75	267.4	124,572	2.62	257.5	164.8
February	56,634	30.48	145.0	21,179	16.03	256.0	150,950	2.42	237.2	164.6
March	63,218	30.24	144.4	23,199	17.29	276.0	180,668	2.31	225.7	165.0
April	62,076	30.08	143.6	20,292	19.25	305.6	207,401	2.30	224.6	166.7
May	64,796	30.52	145.3	21,211	19.50	310.1	226,859	2.38	232.0	169.7
June	61,272	30.26	145.5	19,354	17.85	283.5	234,010	2.39	232.1	168.5
July	55,429	29.27	144.1	20,364	17.55	278.6	285,117	2.40	233.3	172.2
August	70,147	30.12	144.7	20,563	16.92	268.9	282,481	2.38	230.6	166.6
September	64,539	30.48	146.0	15,609	17.04	270.6	239,696	2.33	225.4	164.9
October	66,578	30.64	145.4	16,495	18.58	295.6	230,629	2.40	231.6	166.1
November	65,570	30.13	144.2	17,602	18.53	294.5	162,361	2.56	248.1	164.9
December	60,515	29.51	142.8	24,040	22.43	359.0	147,763	2.84	275.4	176.7
1989	**753,217**	**30.12**	**144.5**	**246,422**	**18.17**	**289.3**	**2,472,506**	**2.42**	**235.5**	**167.5**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 ES7. Monthly Receipts of Coal and Average Delivered Cost by Type of Coal, 1989

Month	Bituminous			Subbituminous			Lignite			Anthracite		
	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)
January	37,367	150.5	35.98	18,388	133.9	23.19	6,643	93.1	11.89	45	89.9	15.64
February	35,819	151.8	36.28	14,957	136.3	23.77	5,812	96.4	12.12	47	97.7	16.50
March	39,022	151.3	36.12	18,117	135.0	23.56	6,040	98.7	12.34	39	113.3	18.82
April	37,433	151.3	36.21	18,719	134.1	23.48	5,874	93.9	12.17	50	99.3	15.43
May	39,735	151.5	36.23	19,084	138.6	24.29	5,933	96.9	12.49	43	90.8	15.37
June	36,455	152.2	36.34	18,396	140.1	24.56	6,363	94.3	12.00	57	94.4	15.07
July	29,380	152.8	36.41	19,342	139.3	24.47	6,649	92.2	11.78	59	96.7	15.73
August	41,470	153.1	36.49	21,687	135.5	23.88	6,894	91.1	11.62	95	96.1	15.45
September	38,742	153.9	36.69	19,648	136.0	23.94	6,093	96.9	12.26	56	93.2	14.94
October	41,110	152.9	36.48	20,047	132.5	23.28	5,364	106.1	13.65	57	97.7	15.91
November	39,495	153.9	36.73	19,681	129.3	22.64	6,343	96.6	12.36	51	91.6	14.92
December	35,312	154.2	36.77	18,256	126.0	22.01	6,912	95.4	12.28	34	93.4	14.76
1989	**451,341**	**152.5**	**36.39**	**226,322**	**134.7**	**23.59**	**74,921**	**95.8**	**12.22**	**633**	**96.0**	**15.65**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 ES8. Monthly Receipts of Coal and Average Delivered Cost by Type of Purchase and Mining Method, 1989

Month	Contract Purchases			Spot Purchases			Average Cost by Type of Mining Method					
							Strip and Auger			Underground		
	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)
January	51,564	146.1	30.04	10,879	127.2	27.72	42,541	135.8	26.05	19,902	154.2	37.29
February	46,944	148.4	30.83	9,690	129.5	28.77	37,175	138.3	26.79	19,459	155.2	37.52
March	52,754	147.6	30.48	10,464	129.3	29.03	42,326	137.8	26.67	20,892	155.1	37.49
April	51,010	147.0	30.39	11,066	128.6	28.65	42,287	137.3	26.67	19,789	154.3	37.37
May	54,398	149.9	30.80	10,398	124.1	29.06	43,256	139.9	27.16	21,540	153.9	37.27
June	51,397	149.8	30.39	9,875	125.8	29.56	42,581	139.1	26.82	18,691	156.9	38.09
July	46,107	148.4	29.34	9,322	125.9	28.88	41,485	137.7	26.14	13,944	159.0	38.56
August	58,143	148.3	30.12	12,003	129.7	30.09	48,744	137.7	26.65	21,402	157.4	38.00
September	52,353	150.6	30.71	12,186	128.5	29.51	44,954	138.9	27.00	19,585	159.3	38.49
October	53,729	149.7	30.94	12,849	129.1	29.42	44,679	138.0	26.99	21,898	157.6	38.10
November	52,938	148.4	30.37	12,632	128.6	29.12	44,958	135.6	26.25	20,612	159.3	38.58
December	49,590	146.9	29.73	10,925	126.0	28.49	41,899	132.9	25.39	18,616	160.2	38.79
1989	**620,927**	**148.4**	**30.35**	**132,289**	**127.8**	**29.04**	**516,886**	**137.4**	**26.55**	**236,331**	**156.8**	**37.94**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 ES9. Monthly Receipts of Petroleum and Average Delivered Cost by Type of Petroleum, 1989

Month	No. 2 Fuel Oil			No. 4 and 5 Fuel Oil			No. 6 Fuel Oil		
	Quantity (thousand barrels)	(cents per million Btu)	(dollars per barrel)	Quantity (thousand barrels)	(cents per million Btu)	(dollars per barrel)	Quantity (thousand barrels)	(cents per million Btu)	(dollars per barrel)
January	660	403.3	23.49	30	313.7	19.00	25,826	264.1	16.58
February	689	387.3	22.51	270	302.1	18.58	20,220	251.3	15.77
March	772	408.8	23.86	117	314.9	19.03	22,309	271.5	17.06
April	461	427.4	24.88	44	331.6	19.97	19,787	302.9	19.12
May	642	410.9	23.87	45	321.9	19.37	20,524	307.2	19.36
June	677	390.2	22.67	187	316.4	19.05	18,490	279.6	17.66
July	586	389.6	22.63	321	314.1	18.86	19,457	275.0	17.37
August	861	385.2	22.45	131	324.3	19.47	19,570	263.8	16.66
September	643	418.9	24.34	165	294.9	18.03	14,802	264.5	16.72
October	716	451.4	26.24	123	297.4	18.21	15,656	289.0	18.23
November	740	455.4	26.43	88	276.4	17.10	16,774	288.0	18.19
December	1,307	522.8	30.49	493	375.6	22.84	22,241	349.7	21.95
1989	**8,754**	**428.0**	**24.90**	**2,013**	**324.7**	**19.72**	**235,655**	**284.3**	**17.91**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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."

Receipt and Cost Data

Table 1. Receipts of Coal for Contract and Spot Purchases, 1985-1989
(Thousand Short Tons)

Type of Purchase	1989	1988	1987	1986	1985
Contract	620,927	627,779	610,194	601,012	592,407
Spot	132,289	99,996	111,104	85,952	74,336
Total	**753,217**	**727,775**	**721,298**	**686,964**	**666,743**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 for Contract and Spot Purchases, 1985-1989
(Dollars per Short Ton)

Type of Purchase	1989	1988	1987	1986	1985
Contract	30.35	30.86	32.01	33.51	34.63
Spot	29.04	29.30	30.86	31.81	33.73
Total	**30.12**	**30.64**	**31.83**	**33.30**	**34.53**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 of Coal for Surface and Underground Mining, 1985-1989
(Thousand Short Tons)

Mine Type	1989	1988	1987	1986	1985
Surface-Mined	516,886	505,568	493,491	477,083	468,512
Deep-Mined	236,331	222,207	227,807	209,881	198,232
Total	**753,217**	**727,775**	**721,298**	**686,964**	**666,743**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 4. Receipts of Coal by Census Division, 1985-1989
(Thousand Short Tons)

Census Division	1989	1988	1987	1986	1985
New England	6,326	6,377	5,774	5,718	6,052
Middle Atlantic	55,969	51,532	53,855	49,714	50,030
East North Central	161,663	155,300	162,093	161,293	151,826
West North Central	100,899	99,540	89,342	81,067	86,552
South Atlantic	128,322	120,976	129,920	120,826	115,194
East South Central	73,798	73,868	78,047	77,064	67,843
West South Central	121,925	117,144	111,029	105,426	104,083
Mountain	98,709	97,184	86,382	81,198	80,711
Pacific	5,606	5,856	4,856	4,659	4,453
Pacific Noncontiguous	-	-	-	-	-
Total	**753,217**	**727,775**	**721,298**	**686,964**	**666,743**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 5. Receipts and Average Delivered Cost of Coal by Census Division, 1989

Census Division	Contract Purchases			Spot Purchases		
	Quantity (thousand short tons)	Average Delivered Cost (cents per million Btu)	Average Delivered Cost (dollars per short ton)	Quantity (thousand short tons)	Average Delivered Cost (cents per million Btu)	Average Delivered Cost (dollars per short ton)
New England	4,354	169.9	44.47	1,972	169.8	44.71
Middle Atlantic	40,675	154.1	38.41	15,294	135.0	33.35
East North Central	127,221	163.5	35.92	34,442	121.7	27.40
West North Central	88,898	115.9	19.90	12,001	104.4	19.51
South Atlantic	94,200	173.9	43.22	34,121	141.6	35.13
East South Central	54,198	154.9	36.50	19,600	110.1	26.08
West South Central	113,127	145.7	22.31	8,798	169.1	27.50
Mountain	93,443	113.0	21.99	5,266	88.7	18.55
Pacific	4,812	161.7	26.19	794	120.8	20.61
Pacific Noncontiguous	-	-	-	-	-	-
Total	**620,927**	**148.4**	**30.35**	**132,289**	**127.8**	**29.04**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 6. Receipts of Coal by Grade, 1985-1989

Grade of Coal	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)
1989						
Anthracite	633	8,153	0.63	32.2	96.0	15.65
Bituminous	451,341	11,936	1.85	10.5	152.5	36.39
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**	**144.5**	**30.12**
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**	**146.6**	**30.64**
1987						
Anthracite	758	7,981	.58	34.0	85.0	13.57
Bituminous	439,865	12,018	1.92	10.5	157.6	37.87
Subbituminous	213,643	8,909	.44	7.5	141.4	25.19
Lignite	67,032	6,377	.84	14.2	106.2	13.54
Total	**721,298**	**10,569**	**1.38**	**10.00**	**150.6**	**31.83**
1986						
Anthracite	536	7,789	.61	33.5	81.0	12.62
Bituminous	416,654	11,983	1.94	10.6	164.4	39.39
Subbituminous	205,368	8,925	.45	7.6	152.6	27.24
Lignite	64,406	6,415	.81	13.6	104.0	13.34
Total	**686,964**	**10,543**	**1.39**	**9.98**	**157.9**	**33.30**
1985						
Anthracite	751	8,392	.66	29.4	86.1	14.46
Bituminous	398,973	11,920	1.95	10.7	173.3	41.31
Subbituminous	207,396	8,891	.47	7.7	156.7	27.86
Lignite	59,623	6,398	.78	13.4	99.0	12.67
Total	**666,743**	**10,480**	**1.38**	**10.05**	**164.8**	**34.53**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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. The 20 Largest Companies Ranked by Total Receipts of Coal, 1989

Company	Quantity (thousand short tons)	Average Delivered Cost		Total Estimated Coal Bill (million dollars)
		(cents per million Btu)	(dollars per short ton)	
1. Tennessee Valley Authority	33,474	128.6	30.04	1,005.5
2. Texas Utilities Electric Co	30,535	91.2	11.84	361.5
3. PacifiCorp	28,472	102.9	19.24	547.9
4. Georgia Power Co	24,473	174.9	42.25	1,034.1
5. Detroit Edison Co	18,328	169.3	37.09	679.7
6. Houston Lighting & Power Co	17,434	198.8	29.70	517.8
7. Pennsylvania Electric Co	16,307	135.5	32.93	536.9
8. Alabama Power Co	14,293	202.4	49.28	704.4
9. Ohio Power Co	13,445	178.9	41.09	552.5
10. Basin Electric Power Coop	13,436	66.1	9.89	132.9
11. Arizona Public Service Co	11,927	119.8	21.82	260.3
12. Northern States Power Co	11,851	113.9	19.94	236.3
13. Monogahela Power Co	11,725	127.7	32.35	379.2
14. Union Electric Co	11,343	151.5	32.64	370.3
15. Virginia Electric & Power Co	11,258	146.1	36.56	411.6
16. Appalachian Power Co	10,832	153.0	37.97	411.3
17. Public Service Co of Indiana Inc	10,814	148.5	32.30	349.3
18. Montana Power Co	9,989	56.8	9.72	97.1
19. Arkansas Power & Light Co	9,854	163.7	28.71	282.9
20. Southwestern Electric Power	9,753	177.3	28.10	274.0

Note: • Data 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 of Petroleum, 1985-1989
(Thousand Barrels)

Grades of Petroleum	1989	1988	1987	1986	1985
Distillate (No. 2 Fuel Oil)	8,754	6,689	7,278	7,936	8,536
No. 4 and No. 5 Fuel Oil	2,013	1,160	535	473	684
Residual No. 6 Fuel Oil	235,655	229,074	186,765	220,113	155,726
Total	**246,422**	**236,923**	**194,578**	**228,522**	**164,946**

Notes: • Totals may not equal sum of components because of independent rounding. • Totals do not include small quantities of Kerosene. • Data 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 9. Receipts of Petroleum by Census Division, 1985-1989
(Thousand Barrels)

Census Division	1989	1988	1987	1986	1985
New England	58,939	60,107	50,712	61,565	45,658
Middle Atlantic	89,777	87,220	72,696	80,386	64,678
East North Central	6,009	5,455	6,105	5,495	5,633
West North Central	443	724	602	582	666
South Atlantic	63,386	53,894	48,333	58,180	32,716
East South Central	1,748	1,569	747	2,517	823
West South Central	3,381	1,472	748	1,879	1,426
Mountain	1,264	1,500	1,051	961	634
Pacific	11,170	14,983	3,209	7,542	3,524
Pacific Noncontiguous	10,306	10,000	10,374	9,415	9,189
Total	**246,422**	**236,924**	**194,578**	**228,522**	**164,947**

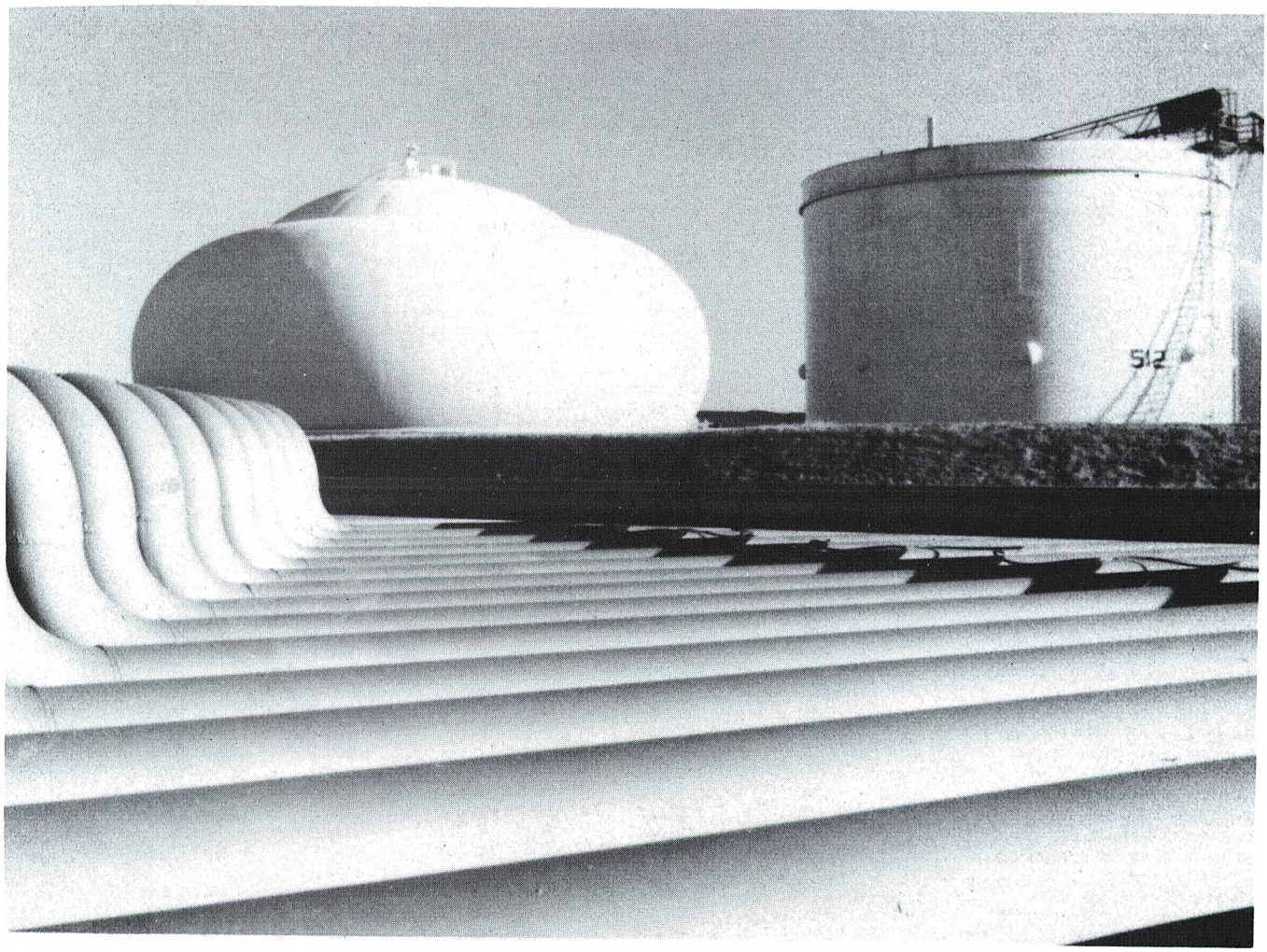
Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 10. Average Delivered Cost of Receipts of Petroleum, 1985-1989
(Cents per Million Btu)

Grades of Petroleum	1989	1988	1987	1986	1985
Distillate (No. 2 Fuel Oil)	428.0	371.2	400.5	354.0	578.2
No. 4 and No. 5 Fuel Oil	324.7	289.5	355.7	296.6	491.4
Residual No. 6 Fuel Oil	284.3	240.2	297.4	240.0	424.1
Total	**289.3**	**243.9**	**301.1**	**243.7**	**431.7**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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."



These pipelines carry petroleum to storage tanks.

Table 11. Receipts of No. 6 Fuel Oil, 1989

Company	Quantity (thousand barrels)	Average Quality		Average Delivered Cost	
		(Btu per gallon)	Sulfur (percent by weight)	(cents per million Btu)	(dollars per barrel)
Arizona Public Service Co	5	148,641	0.69	344.0	21.48
Arkansas Power & Light Co	135	149,552	.50	326.1	20.48
Atlantic City Electric Co	1,072	151,510	.91	296.8	18.89
Baltimore Gas & Electric Co	5,465	149,835	.96	281.2	17.69
Bangor Hydro-Electric Co	107	150,685	.62	345.6	21.87
Boston Edison Co	9,763	150,664	.94	265.2	16.78
Burbank City of	22	150,025	.21	359.9	22.68
Cambridge Electric Light Co	265	149,029	.51	319.3	19.98
Canal Electric Co	10,262	150,010	2.09	243.0	15.31
Central Hudson Gas & Elec Corp	10,991	151,058	1.30	270.9	17.18
Central Illinois Pub Serv Co	34	148,123	.66	344.4	21.43
Central Maine Power Co	4,820	149,625	.87	276.4	17.37
Central Nebraska Pub P&I Dist	60	150,000	1.14	215.3	13.56
Cleveland Electric Illum Co	388	152,977	1.11	265.7	17.07
Commonwealth Edison Co	1,705	150,720	.69	339.6	21.50
Commonwealth Electric Co	225	149,718	.84	292.1	18.37
Connecticut Light & Power Co	12,555	149,744	.82	289.9	18.24
Consolidated Edison Co-NY Inc	23,991	148,477	.26	310.3	19.35
Consumers Power Co	893	147,295	.98	279.5	17.29
Coop Power Assn	6	147,000	2.50	193.3	11.93
Deepwater Operating Co	240	149,408	.93	299.7	18.80
Delmarva Power & Light Co	3,747	151,169	1.14	267.5	16.98
Detroit City of	381	146,760	.7	282.7	17.42
Detroit Edison Co	714	145,536	.7	328.0	20.05
Dover City of	768	151,736	2.1	257.3	16.39
Florida Power & Light Co	25,387	151,099	1.0	276.1	17.52
Florida Power Corp	11,308	151,252	1.5	259.5	16.49
Gainesville Regional Utilities	12	151,433	1.4	315.0	20.04
Georgia Power Co	17	147,000	2.6	277.8	17.15
Gulf States Utilities Co	206	160,420	.5	267.4	18.02
Hawaiian Electric Co Inc	10,292	148,723	.5	329.0	20.55
Houston Lighting & Power Co	55	148,476	.2	278.6	17.37
Illinois Power Co	194	151,613	.9	307.6	19.59
Jacksonville Electric Auth	2,395	150,642	1.7	240.5	15.22
Jersey Central Power&Light Co	1,101	149,673	.5	289.8	18.22
Lake Worth City of	5	148,100	2.0	366.7	22.81
Lakeland City of	231	149,808	1.6	302.8	19.05
Long Island Lighting Co	18,126	150,987	.8	287.5	18.23
Los Angeles City of	2,336	145,990	.2	332.9	20.41
Louisiana Power & Light Co	173	150,640	1.0	301.4	19.07
Mississippi Power & Light Co	1,209	151,311	2.9	248.1	15.76
Montaup Electric Co	91	151,676	1.0	269.0	17.13
Nevada Power Co	187	149,006	.9	270.2	16.91
New England Power Co	8,366	150,600	1.9	284.8	18.02
New Orleans Public Service Inc	26	152,300	1.5	277.4	17.74
Niagara Mohawk Power Corp	9,732	150,277	1.1	288.0	18.18
Orange & Rockland Utils Inc	6,012	148,131	.3	316.7	19.71
Orlando Utilities Comm	474	153,182	1.4	231.0	14.86
Pacific Gas & Electric Co	4,043	147,047	.5	279.7	17.28
Pasadena City of	99	148,699	.1	354.2	22.12
Pennsylvania Power & Light Co	6,227	151,602	.9	272.5	17.35
Philadelphia Electric Co	4,991	149,964	.5	304.2	19.16
Potomac Electric Power Co	3,907	150,710	1.5	266.7	16.88
Power Authority of State of NY	1,505	147,171	.3	287.7	17.78
Public Service Co of NH	5,082	155,916	1.9	226.2	14.81
Public Service Electric&Gas Co	4,770	147,425	.3	314.6	19.48
Puget Sound Power & Light Co	30	150,000	.0	253.6	15.98
Salt River Proj Ag I & P Dist	69	148,842	1.0	271.7	16.99
San Diego Gas & Electric Co	1,458	146,603	.4	312.9	19.26
Savannah Electric & Power Co	15	146,994	2.2	275.0	16.98
Sierra Pacific Power Co	441	148,800	.8	275.8	17.23
Southern California Edison Co	3,138	145,628	.2	320.6	19.61
St Joseph Light & Power Co	66	153,415	2.6	211.6	13.64
Taunton City of	345	149,698	1.5	268.6	16.89
United Illuminating Co	6,377	150,878	1.0	276.5	17.52
Vineland City of	93	150,533	.9	298.1	18.85
Virginia Electric & Power Co	5,907	146,693	1.0	278.3	17.15
Western Massachusetts Elec Co	545	149,558	1.0	304.4	19.12
Total	**235,655**	**149,997**	**.96**	**284.26**	**17.91**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 12. Receipts of Petroleum Coke, 1989

Company	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 Elec Power Coop MO.	20	13,988	4.10	1.75	80.1	22.42
Northern Indiana Pub Serv Co	94	14,058	5.42	3.74	74.2	20.87
Northern States Power Co	117	14,080	5.17	.67	77.5	21.81
Pennsylvania Power & Light Co	264	13,968	5.72	1.10	93.9	26.24
Total	**495**	**14,012**	**5.46**	**1.53**	**85.7**	**24.02**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 13. The 20 Largest Companies Ranked by Total Receipts of Petroleum, 1989

Company	Quantity (thousand barrels)	Average Delivered Cost		Total Estimated Petroleum Bill (million dollars)
		(cents per million Btu)	(dollars per barrel)	
1. Florida Power & Light Co	25,397	276.1	17.52	445.0
2. Consolidated Edison Co-NY Inc	23,991	310.3	19.35	464.2
3. Long Island Lighting Co	18,126	287.5	18.23	330.4
4. Connecticut Light & Power Co	12,580	290.2	18.25	229.6
5. Florida Power Corp	11,544	262.3	16.64	192.1
6. Central Hudson Gas & Elec Corp	11,050	271.6	17.23	190.4
7. Hawaiian Electric Co Inc	10,306	329.1	20.55	211.8
8. Canal Electric Co	10,262	243.0	15.31	157.1
9. Boston Edison Co	9,763	265.2	16.78	163.8
10. Niagara Mohowk Power Corp	9,732	288.0	18.18	176.9
11. New England Power Co	8,366	284.8	18.02	150.7
12. Pennsylvania Power & Light Co	6,492	276.7	17.56	114.0
13. United Illuminating Co	6,384	276.7	17.53	111.9
14. Virginia Electric & Power Co	6,219	284.4	17.48	108.7
15. Orange and Rockland Utils Inc	6,012	316.7	19.71	118.5
16. Potomac Electric Power	5,553	293.0	18.23	101.3
17. Baltimore Gas & Electric Co	5,465	281.2	17.69	96.7
18. Public Service Co of NH	5,102	226.9	14.85	75.8
19. Philadelphia Electric	4,991	304.2	19.16	95.6
20. Central Maine Power Co	4,831	276.7	17.39	84.0

Note: • Data 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 14. Receipts of Gas by Type of Purchase, 1985-1989
(Billion Cubic Feet)

Type of Purchase	1989	1988	1987	1986	1985
Firm Gas	1,220,395	1,326,461	1,342,719	1,462,098	1,656,579
Interruptible Gas	1,227,384	1,009,097	1,230,042	900,896	1,123,085
Off-Peak Gas	24,727	27,162	32,431	24,628	29,257
Total	**2,472,506**	**2,362,721**	**2,605,191**	**2,387,622**	**2,808,921**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 15. Receipts of Gas by Census Division, 1985-1989
(Thousand Mcf)

Census Division	1989	1988	1987	1986	1985
New England	48,076	14,978	44,762	10,918	43,817
Middle Atlantic	211,669	176,698	218,018	156,460	216,673
East North Central	27,106	22,216	15,302	17,701	13,833
West North Central	21,058	22,480	19,343	15,999	21,009
South Atlantic	185,448	138,859	170,015	150,689	151,743
East South Central	38,538	29,958	37,609	45,660	52,013
West South Central	1,375,525	1,402,134	1,455,725	1,540,621	1,632,960
Mountain	80,436	46,002	40,891	40,075	53,440
Pacific	484,649	509,394	603,526	409,499	623,432
Pacific Noncontiguous	-	-	-	-	-
Total	**2,472,506**	**2,362,721**	**2,605,191**	**2,387,622**	**2,808,921**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 16. Average Delivered Cost of Receipts of Gas, 1985-1989
(Cents per Million Btu)

Type of Purchase	1989	1988	1987	1986	1985
Firm Gas	225.8	214.9	222.8	232.6	309.2
Interruptible Gas	245.5	241.9	225.3	240.0	395.3
Off-Peak Gas	226.0	212.2	222.3	208.3	370.9
Total	**235.5**	**226.3**	**224.0**	**235.1**	**344.4**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 17. The 20 Largest Companies Ranked by Total Receipts of Gas, 1989

Company	Quantity (thousand Mcf)	Average Delivered Cost		Total Estimated Gas Bill (million dollars)
		(cents per million Btu)	(dollars per Mcf)	
1. Texas Utilities Electric Co	352,438	253.3	2.63	927.9
2. Pacific Gas & Electric Co	226,309	284.4	2.94	664.8
3. Houston Lighting & Power Co	222,016	177.6	1.84	407.5
4. Gulf States Utilities Co	162,239	187.3	1.95	315.7
5. Southern California Edison Co	155,625	331.4	3.47	540.5
6. Louisiana Power & Light Co	111,678	146.7	1.53	171.1
7. Florida Power & Light Co	106,279	243.3	2.43	258.6
8. Central Power & Light Co	94,308	229.2	2.40	225.9
9. Oklahoma Gas & Electric Co	90,137	296.8	3.08	277.4
10. Consolidated Edison Co-NY Inc	75,876	221.9	2.29	173.5
11. Public Service Co of Oklahoma	58,092	290.2	3.05	177.2
12. Los Angeles City of	49,521	250.8	2.62	130.0
13. San Antonio City Pub Service	44,017	192.0	1.96	86.4
14. San Diego Gas & Electric Co	40,057	240.8	2.49	99.9
15. Boston Edison Co	36,873	234.1	2.47	90.9
16. Southwestern Public Service	35,389	203.1	2.07	73.4
17. Public Service Elec and Gas	31,998	238.9	2.47	79.0
18. West Texas Utilities Co	31,446	216.8	2.25	70.7
19. Arkansas Power & Light Co	29,473	165.4	1.69	49.7
20. Central Louisiana Elec Co Inc	29,242	218.8	2.28	66.7

Notes: • Data 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 18. Receipts of Coal by State of Origin, 1989

Coal Producing State	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	14,984	12,151	1.35	12.37	201.0	48.85
Arizona	11,907	11,041	.50	8.95	106.6	23.54
Colorado	14,149	10,667	.41	8.19	141.9	30.27
Illinois	53,818	11,162	2.63	9.55	157.1	35.07
Indiana	27,164	11,107	2.56	9.29	125.5	27.87
Iowa	46	10,213	3.66	10.17	152.9	31.24
Kansas	826	10,766	3.99	17.67	130.6	28.13
Kentucky	120,440	12,104	1.79	10.25	154.3	37.35
Louisiana	2,981	6,858	.54	12.18	127.4	17.48
Maryland	2,369	12,512	1.64	12.95	147.0	36.78
Missouri	3,071	10,487	4.50	13.01	133.5	28.01
Montana	36,082	8,973	.54	7.17	132.8	23.84
New Mexico	22,116	9,384	.70	19.08	142.4	26.72
North Dakota	23,423	6,541	.74	9.03	73.9	9.67
Ohio	30,413	11,688	3.27	11.31	156.2	36.52
Oklahoma	1,106	12,313	2.14	10.38	140.6	34.62
Pennsylvania	47,605	12,395	1.75	12.64	148.1	36.72
Tennessee	4,682	12,548	1.35	9.97	142.4	35.73
Texas	48,282	6,272	.97	16.74	104.6	13.13
Utah	14,683	11,438	.50	11.35	125.7	28.75
Virginia	17,999	12,896	1.14	9.41	166.8	43.01
Washington	4,924	8,106	.71	14.74	160.1	25.95
West Virginia	83,300	12,497	1.60	10.73	153.0	38.25
Wyoming	165,633	8,664	.38	5.62	136.5	23.66
Imported	1,215	12,165	.69	6.79	177.6	43.20
Total	**753,217**	**10,425**	**1.33**	**9.93**	**144.5**	**30.12**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. • Imported includes coal from Colombia S.A., and Venezuela.

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

Table 19. Receipts of Coal by Bureau of Mines District, 1989

Bureau of Mines District	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)
District 1	39,218	12,332	1.76	13.75	149.0	36.75
District 2	14,501	12,785	1.76	8.91	146.1	37.37
District 3	30,470	12,744	2.02	10.14	145.9	37.19
District 4	30,413	11,688	3.27	11.31	156.2	36.52
District 6	8,175	12,176	3.88	11.03	136.8	33.31
District 7	1,350	13,118	1.09	8.11	174.6	45.80
District 8	142,545	12,442	1.02	10.03	166.0	41.31
District 9	38,782	11,529	3.30	11.32	121.9	28.12
District 10	53,818	11,162	2.63	9.55	157.1	35.07
District 11	27,164	11,107	2.56	9.29	125.5	27.87
District 12	46	10,213	3.66	10.17	152.9	31.24
District 13	15,703	12,160	1.33	12.35	197.6	48.04
District 14	110	13,120	1.27	9.99	143.5	37.66
District 15	56,155	6,705	1.21	16.19	110.1	14.77
District 16	10	10,378	.24	7.92	105.2	21.83
District 17	14,327	10,686	.41	8.27	142.2	30.40
District 18	33,835	9,952	.63	15.54	128.3	25.53
District 19	165,633	8,664	.38	5.62	136.5	23.66
District 20	14,683	11,438	.50	11.35	125.7	28.75
District 21	23,423	6,541	.74	9.03	73.9	9.67
District 22	36,082	8,973	.54	7.17	132.8	23.84
District 23	4,924	8,106	.71	14.74	160.1	25.95
District 24	634	8,155	.63	32.15	95.9	15.64
Imported	1,215	12,165	.69	6.79	177.6	43.20
Total	**753,217**	**10,425**	**1.33**	**9.93**	**144.5**	**30.12**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. • Imported includes coal from Colombia S.A., and Venezuela.

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

Table 20. Receipts of Coal and Average Delivered Cost by Sulfur Content and State of Origin, 1989

Coal Producing State	1.0% or Less			More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%		
	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Quantity (thousand short tons)	(cents per million Btu)	(dollars per short ton)
Alabama	6,687	215.0	51.89	4,363	189.7	46.39	3,895	190.7	46.59	39	123.7	29.12
Arizona	11,907	106.6	23.54	-	-	-	-	-	-	-	-	-
Colorado	14,139	141.9	30.28	9	108.3	20.73	-	-	-	-	-	-
Illinois	2,213	164.7	35.93	9,808	170.6	39.09	22,023	155.8	35.40	19,773	150.6	32.60
Indiana	950	153.0	33.69	3,538	122.9	27.56	15,588	125.0	27.68	7,089	124.1	27.67
Iowa	-	-	-	-	-	-	-	-	-	46	152.9	31.24
Kansas	-	-	-	26	117.4	27.90	133	119.3	28.86	667	133.8	27.99
Kentucky	40,478	175.4	43.97	40,755	161.6	39.47	20,098	132.3	31.21	19,108	111.9	25.25
Louisiana	2,981	127.4	17.48	-	-	-	-	-	-	-	-	-
Maryland	86	142.7	35.56	2,145	149.4	37.54	137	109.5	25.71	-	-	-
Missouri	-	-	-	-	-	-	2	128.8	31.03	3,069	133.5	28.01
Montana	36,036	132.8	23.83	45	186.6	32.62	-	-	-	-	-	-
New Mexico	22,116	142.4	26.72	-	-	-	-	-	-	-	-	-
North Dakota	22,383	73.3	9.58	1,039	85.6	11.60	-	-	-	-	-	-
Ohio	75	134.3	31.42	1,032	139.6	33.86	9,695	159.0	37.26	19,611	155.9	36.31
Oklahoma	254	156.4	38.05	433	145.2	35.98	11	133.0	32.89	409	126.2	31.08
Pennsylvania	2,455	147.9	34.09	33,414	149.8	37.36	10,872	143.2	35.44	863	148.3	35.57
Tennessee	1,793	169.0	42.78	2,280	129.8	32.41	603	109.9	27.43	5	108.8	26.90
Texas	23,454	89.3	11.51	24,828	119.9	14.65	-	-	-	-	-	-
Utah	14,683	125.7	28.75	-	-	-	-	-	-	-	-	-
Virginia	7,365	175.3	45.17	10,389	161.2	41.67	245	144.9	35.37	-	-	-
Washington	4,924	160.1	25.95	-	-	-	-	-	-	-	-	-
West Virginia	38,969	165.1	41.07	18,591	148.9	37.17	13,909	143.1	36.46	11,831	131.8	32.77
Wyoming	165,079	136.6	23.67	554	114.7	22.01	-	-	-	-	-	-
Imported	1,215	177.6	43.20	-	-	-	-	-	-	-	-	-
Total	**420,243**	**142.9**	**27.49**	**153,250**	**152.5**	**34.32**	**97,213**	**144.2**	**34.01**	**82,510**	**136.9**	**31.19**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. • Imported includes coal from Colombia S.A., and Venezuela.

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

Table 21. Receipts of Coal by Coal Producing Region, 1985-1989
(Thousand Short Tons)

Coal Producing Region	1989	1988	1987	1986	1985
Appalachian Region	283,009	271,232	286,027	269,805	255,361
Interior Region	124,813	122,438	132,158	128,196	122,766
Western Region	269,258	259,684	235,315	223,071	227,694
Other	74,921	73,451	67,032	64,406	59,623
Total	**753,217**	**727,775**	**721,298**	**686,964**	**666,743**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 22. Receipts of Appalachian Region Coal, 1989

Company	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	886	11,730	1.28	13.15	171.4	40.21
Alabama Power Co	14,269	12,173	1.33	12.31	202.5	49.31
Appalachian Power Co	10,832	12,407	.76	11.21	153.0	37.97
Atlantic City Electric Co	703	13,071	2.53	8.67	177.3	46.36
Baltimore Gas & Electric Co	2,875	12,949	.97	8.31	157.4	40.76
Cajun Electric Power Coop Inc	195	13,003	.66	6.71	201.7	52.46
Cardinal Operating Co	4,445	11,730	2.22	13.64	144.0	33.78
Carolina Power & Light Co	9,330	12,558	.90	9.91	175.9	44.17
Cedar Falls City of	9	11,529	2.76	9.22	126.7	29.21
Central Hudson Gas & Elec Corp	855	13,096	.58	7.87	195.0	51.07
Central Illinois Light Co	1,092	13,307	.68	5.68	178.8	47.59
Central Operating Co	1,791	12,206	1.15	11.50	150.2	36.68
Cincinnati Gas & Electric Co	5,162	11,615	1.49	12.70	153.1	35.57
Cleveland Electric Illum Co	5,524	12,531	2.71	9.44	150.2	37.65
Columbia City of	1	14,020	.60	5.43	212.0	59.44
Columbus Southern Power Co	3,878	11,778	3.13	8.21	150.3	35.41
Columbus City of	61	12,476	.72	7.28	152.3	38.01
Consumers Power Co	6,358	12,395	.79	10.06	182.0	45.11
Dairyland Power Coop	71	12,815	1.25	6.63	146.1	37.46
Dayton Power & Light Co	8,626	11,744	1.22	13.14	145.1	34.08
Deepwater Operating Co	173	13,073	.81	8.19	175.5	45.88
Delmarva Power & Light Co	1,918	12,943	1.04	8.99	179.3	46.41
Detroit Edison Co	7,694	12,977	.97	7.76	191.2	49.62
Duke Power Co	9,572	12,489	.94	9.96	177.5	44.35
Duquesne Light Co	2,514	12,258	1.68	12.61	122.9	30.12
East Kentucky Power Coop	2,378	12,029	1.15	11.62	112.5	27.06
Florida Power Corp	5,664	12,628	.83	8.68	174.1	43.97
Gainesville Regional Utilities	516	13,067	.66	5.96	174.1	45.50
Georgia Power Co	17,446	12,360	1.34	10.59	174.5	43.14
Grand Haven City of	38	11,507	2.26	9.75	141.0	32.45
Gulf Power Co	57	12,963	2.68	7.96	166.0	43.05
Hamilton City of	118	12,361	.67	9.47	140.2	34.65
Holland City of	163	13,270	.85	6.32	169.0	44.85
Holyoke Water Power Co	418	13,049	1.28	6.56	172.4	44.99
Illinois Power Co	569	12,763	.71	7.84	145.1	37.05
Indiana Michigan Power Co	810	12,475	.70	8.79	221.8	55.34
Jacksonville Electric Auth	1,812	12,480	.99	10.43	175.4	43.79
Jamestown City of	103	12,737	1.55	10.86	131.5	33.49
Kentucky Power Co	2,636	11,906	1.20	12.04	118.2	28.14
Kentucky Utilities Co	2,991	12,430	1.26	10.23	130.4	32.41
Lakeland City of	724	12,299	1.29	11.01	211.7	52.06
Lansing City of	1,166	13,025	.86	7.68	184.2	47.97
Louisville Gas & Electric Co	2	11,315	2.23	8.30	125.3	28.36
Madison Gas & Electric Co	12	12,960	.75	7.56	188.3	48.81
Manitowoc City of	114	13,129	.85	7.32	178.0	46.73
Metropolitan Edison Co	1,086	13,209	1.65	7.61	167.4	44.21
Michigan South Central Pwr Agy	130	11,825	3.24	9.88	199.4	47.17
Minnesota Power & Light Co	1	12,754	.75	7.00	198.4	50.61
Mississippi Power Co	1,212	12,991	.73	6.84	176.9	45.95
Monongahela Power Co	11,694	12,670	2.55	10.12	127.7	32.35
Montaup Electric Co	524	13,170	1.14	7.06	173.4	45.67
New England Power Co	3,382	12,990	1.25	8.44	156.2	40.59
New York State Elec & Gas Corp	4,011	12,462	1.90	11.54	150.4	37.50
Niagara Mohawk Power Corp	3,467	13,089	1.83	7.13	146.3	38.29
Northern Indiana Pub Serv Co	348	12,854	.91	8.17	162.4	41.76
Ohio Edison Co	7,976	12,085	2.16	11.44	122.7	29.67
Ohio Power Co	13,445	11,485	3.33	13.21	178.9	41.09
Ohio Valley Electric Corp	3,182	11,980	3.81	9.96	104.1	24.95
Orange & Rockland Utils Inc	590	12,919	.58	7.54	215.5	55.68
Orlando Utilities Comm	1,074	12,723	.74	8.75	189.2	48.15
Painesville City of	61	12,741	2.77	9.78	133.0	33.89
Pennsylvania Electric Co	16,307	12,146	1.76	15.15	135.5	32.93
Pennsylvania Power & Light Co	9,370	12,173	1.69	14.84	164.7	40.10
Pennsylvania Power Co	6,330	12,111	3.69	11.59	149.3	36.17
Philadelphia Electric Co	1,223	13,048	1.50	7.69	163.1	42.55
Potomac Edison Co	238	12,910	.99	10.39	141.9	36.65
Potomac Electric Power Co	6,258	12,604	1.58	11.22	166.9	42.08
Public Service Co of NH	1,064	13,359	2.00	6.80	172.8	46.18
Public Service Electric&Gas Co	2,339	13,425	.83	6.95	174.5	46.85

See footnotes at end of table.

Table 22. Receipts of Appalachian Region Coal, 1989 (Continued)

Company	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)
Richmond City of	34	11,712	1.28	11.11	130.4	30.56
Rochester Gas & Electric Corp	853	13,118	2.06	7.24	157.4	41.31
S Mississippi Elec Pwr Assn	731	12,430	.93	8.93	199.2	49.52
Savannah Electric & Power Co	939	12,636	.99	8.89	175.5	44.35
Seminole Electric Coop Inc	3	12,605	1.92	10.20	166.1	41.87
South Carolina Electric&Gas Co	4,403	12,884	1.07	8.61	163.6	42.17
South Carolina Pub Serv Auth	4,913	12,415	1.17	9.54	177.7	44.12
Tampa Electric Co	3,210	12,890	1.30	6.45	200.5	51.68
Tennessee Valley Authority	14,177	12,029	1.43	10.96	147.9	35.58
Toledo Edison Co	1,239	13,085	1.21	6.98	190.6	49.87
United Illuminating Co	875	13,308	.53	6.13	213.7	56.88
Vineland City of	68	12,976	.77	7.61	203.5	52.80
Virginia Electric & Power Co	11,258	12,510	1.35	11.13	146.1	36.56
West Penn Power Co	5,935	12,625	2.12	10.39	134.1	33.86
Wisconsin Electric Power Co	2,232	13,035	1.42	7.72	152.6	39.79
Wisconsin Power & Light Co	45	13,926	.79	4.13	164.2	45.74
Wisconsin Public Service Corp	87	13,112	1.59	8.87	164.3	43.09
Wyandotte Municipal Serv Comm	119	13,421	.74	5.81	191.1	51.30
Total	**283,009**	**12,366**	**1.61**	**10.84**	**160.2**	**39.62**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator 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."

Railroads are an important mode of transportation for delivering coal to electric utilities.

Table 23. Receipts of Interior Region Coal, 1989

Company	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	264	12,153	1.92	10.46	137.7	33.46
Alabama Power Co	24	11,995	2.14	6.96	130.5	31.30
Associated Electric Coop Inc	5,028	10,682	3.61	10.11	136.1	29.07
Big Rivers Electric Corp	4,619	11,098	3.48	12.70	120.9	26.84
Cedar Falls City of	12	11,306	2.48	10.53	148.9	33.66
Central Electric Pwr Coop-MO	117	10,885	3.29	11.15	123.3	26.83
Central Illinois Light Co	1,148	10,503	3.33	8.91	174.4	36.64
Central Illinois Pub Serv Co	4,314	11,070	2.76	9.16	159.6	35.34
Central Iowa Power Coop	152	10,889	2.99	10.39	108.1	23.55
Cincinnati Gas & Electric Co	1,387	11,269	2.55	9.69	130.9	29.50
Columbia City of	40	10,766	3.69	11.35	155.3	33.44
Commonwealth Edison Co	2,029	10,205	3.44	9.83	148.7	30.36
Dairyland Power Coop	716	11,278	2.45	8.79	135.3	30.52
Dayton Power & Light Co	76	11,693	3.14	10.10	117.2	27.41
Electric Energy Inc	2,396	11,507	1.94	8.56	136.1	31.32
Empire District Electric Co	796	10,401	5.17	23.26	100.5	20.91
Georgia Power Co	6,784	11,468	2.69	9.28	176.8	40.55
Grand Haven City of	149	10,955	2.53	10.06	155.1	33.98
Grand River Dam Authority	117	12,863	3.74	9.64	103.0	26.51
Gulf Power Co	2,688	12,110	2.79	8.99	179.7	43.52
Hoosier Energy R E C Inc	3,228	10,984	3.41	11.51	109.3	24.01
Illinois Power Co	5,609	11,017	2.67	9.78	146.7	32.32
Independence City of	17	12,356	3.46	11.35	159.9	39.51
Indiana Michigan Power Co	1,706	10,972	3.24	10.16	134.5	29.52
Indiana-Kentucky Electric Corp	3,833	11,521	3.43	11.01	100.8	23.22
Indianapolis Power & Light Co	5,425	11,194	2.21	8.02	107.9	24.16
Interstate Power Co	723	11,109	2.80	9.59	131.9	29.31
Iowa Electric Light & Power Co	487	11,030	2.41	9.31	147.1	32.44
Iowa Southern Utilities Co	513	10,964	2.71	9.69	110.8	24.30
Iowa-Illinois Gas&Electric Co	204	11,876	1.99	8.69	113.2	26.90
Jacksonville Electric Auth	296	12,248	3.64	11.93	169.3	41.48
Kansas City City of	194	11,511	2.68	12.25	199.8	46.00
Kansas City Power & Light Co	1,014	10,555	3.89	15.92	129.3	27.30
Kentucky Utilities Co	2,090	11,428	2.48	8.86	95.7	21.88
Louisville Gas & Electric Co	4,372	11,477	2.99	10.30	114.2	26.21
Madison Gas & Electric Co	110	12,091	2.09	7.64	160.9	38.90
Mississippi Power Co	1,511	12,492	2.52	7.96	143.5	35.86
Missouri Public Service Comm	778	10,976	3.13	10.20	156.7	34.41
Monongahela Power Co	31	11,875	3.83	14.10	130.0	30.87
Muscatine City of	536	11,166	3.00	6.68	192.4	42.95
Northern Indiana Pub Serv Co	3,298	11,158	2.96	10.47	148.4	33.11
Oklahoma Gas & Electric Co	492	12,413	1.30	9.23	144.1	35.78
Owensboro City of	792	10,656	2.86	12.04	108.9	23.22
Public Service Co of IN Inc	10,814	10,873	2.35	10.08	148.5	32.30
Public Service Co of Oklahoma	122	11,695	.46	10.54	155.9	36.46
Richmond City of	190	11,094	2.71	11.34	167.6	37.20
Rochester City of	57	12,149	1.64	7.07	194.2	47.19
Seminole Electric Coop Inc	3,026	11,998	2.94	8.76	194.4	46.64
Sikeston City of	557	11,403	2.60	12.14	154.9	35.33
Southern Illinois Power Coop	516	10,329	3.27	19.98	80.8	16.69
Southern Indiana Gas & Elec Co	2,557	11,266	3.28	8.84	142.0	32.00
Springfield City of (MO)	750	11,727	2.59	9.43	126.4	29.64
Springfield City of (IL)	907	10,377	2.93	9.11	128.8	26.74
St Joseph Light & Power Co	175	12,302	3.30	12.90	136.4	33.57
Tampa Electric Co	3,463	11,902	2.88	8.83	145.2	34.57
Tennessee Valley Authority	19,296	11,423	3.40	11.66	113.6	25.96
Union Electric Co	9,347	11,232	2.16	9.41	157.7	35.42
Western Farmers Elec Coop Inc	73	12,631	.51	6.97	173.0	43.70
Wisconsin Electric Power Co	699	11,824	1.60	7.41	149.2	35.28
Wisconsin Power & Light Co	1,286	11,215	2.02	8.50	171.0	38.36
Wisconsin Public Service Corp	857	11,090	1.76	9.06	200.1	44.37
Total	**124,813**	**11,255**	**2.87**	**10.19**	**138.2**	**31.12**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator 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 24. Receipts of Western Region Coal, 1989

Company	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)
Ames City of	168	8,794	0.21	4.54	124.1	21.83
Arizona Electric Pwr Coop Inc	833	11,885	.43	15.88	171.0	40.66
Arizona Public Service Co	11,927	9,109	.68	19.55	119.8	21.82
Arkansas Power & Light Co	9,854	8,771	.34	5.35	163.7	28.71
Associated Electric Coop Inc	34	8,455	.23	5.28	123.5	20.88
Basin Electric Power Coop	6,314	8,411	.35	5.25	60.8	10.23
Cajun Electric Power Coop Inc	4,665	8,399	.40	5.28	156.5	26.28
Cedar Falls City of	3	9,047	.36	5.14	110.8	20.04
Central Illinois Pub Serv Co	79	11,520	.49	10.54	180.2	41.53
Central Louisiana Elec Co Inc	1,802	8,735	.50	5.83	184.4	32.21
Central Power & Light Co	1,756	10,851	.39	5.17	214.9	46.64
Century Power Corp	1,360	9,517	.68	15.09	186.5	35.50
Colorado Springs City of	1,431	10,630	.39	6.86	152.9	32.51
Colorado Ute Electric Assn Inc	5,934	10,331	.41	8.01	95.9	19.82
Commonwealth Edison Co	6,487	9,520	.41	6.45	289.4	55.10
Consumers Power Co	674	8,829	.34	5.14	128.2	22.63
Dairyland Power Coop	1,450	8,493	.32	4.72	127.3	21.62
Deseret Generation & Tran Coop	1,343	10,776	.44	8.71	239.8	51.68
Detroit Edison Co	10,634	9,493	.34	4.18	147.6	28.02
Electric Energy Inc	37	8,958	.48	5.13	123.2	22.08
Empire District Electric Co	351	8,788	.21	4.52	124.8	21.93
Fremont City of	121	11,104	.53	6.87	155.5	34.54
Georgia Power Co	242	8,872	.37	5.31	147.5	26.17
Grand Island City of	304	8,430	.35	5.19	67.6	11.40
Grand River Dam Authority	3,753	8,351	.36	5.00	96.2	16.07
Gulf States Utilities Co	1,951	8,723	.50	5.91	193.7	33.80
Hastings City of	231	8,779	.22	4.50	85.8	15.06
Houston Lighting & Power Co	9,329	8,431	.41	5.75	235.4	39.69
Illinois Power Co	61	10,244	.38	8.20	169.7	34.77
Indiana Michigan Power Co	5,402	8,426	.36	5.12	133.1	22.43
Interstate Power Co	732	8,398	.32	4.60	219.7	36.90
Iowa Power & Light Co	2,124	8,343	.32	4.56	109.3	18.24
Iowa Public Service Co	4,021	8,635	.41	5.78	105.1	18.15
Iowa Southern Utilities Co	2,309	8,375	.33	5.28	112.7	18.87
Iowa-Illinois Gas&Electric Co	2,390	8,364	.33	5.28	114.0	19.07
Kansas City City of	1,120	8,705	.36	5.55	105.6	18.38
Kansas City Power & Light Co	6,951	8,695	.33	5.03	94.3	16.41
Kansas Power & Light Co	9,072	8,752	.36	5.15	130.4	22.82
Kentucky Utilities Co	22	8,397	.31	5.40	124.2	20.86
Los Angeles City of	4,660	11,799	.53	8.08	145.4	34.31
Lower Colorado River Authority	5,772	8,720	.33	4.99	128.4	22.39
Marquette City of	143	8,848	.52	6.20	189.4	33.51
Minnesota Power & Light Co	3,949	8,682	.72	9.14	135.3	23.50
Missouri Public Service Comm	18	10,153	.39	8.20	147.7	30.00
Montana Power Co	9,989	8,555	.66	9.50	56.8	9.72
Nebraska Public Power District	4,176	8,816	.37	5.18	90.3	15.91
Nevada Power Co	1,503	11,868	.63	9.38	193.6	45.96
Northern Indiana Pub Serv Co	2,736	10,000	.44	5.54	169.0	33.80
Northern States Power Co	11,851	8,753	.43	6.46	113.9	19.94
Oklahoma Gas & Electric Co	6,025	8,818	.35	5.09	136.3	24.04
Omaha Public Power District	2,640	8,329	.35	5.06	66.9	11.15
Otter Tail Power Co	248	9,274	.39	4.39	124.6	23.11
PacifiCorp	28,472	9,353	.58	11.25	102.9	19.24
Plains Elec Gen&Trans Coop Inc	921	9,416	.68	15.70	137.2	25.85
Platte River Power Authority	1,157	8,784	.30	5.24	71.3	12.53
Public Service Co of Colorado	7,230	9,468	.36	6.32	110.6	20.94
Public Service Co of NM	5,972	9,636	.82	21.21	148.1	28.54
Public Service Co of Oklahoma	2,482	8,756	.49	5.74	165.9	29.05
Salt River Proj Ag I & P Dist	9,198	10,890	.49	9.34	115.8	25.21
San Antonio City of	3,148	8,344	.34	5.60	136.1	22.71
Sierra Pacific Power Co	1,427	10,672	.42	8.53	188.8	40.29
Southern California Edison Co	4,137	10,997	.52	9.89	123.4	27.15
Southwestern Electric Power Co	6,949	8,413	.34	4.65	196.6	33.07
Southwestern Public Service Co	8,148	8,753	.36	5.20	164.5	28.80
St Joseph Light & Power Co	5	10,337	1.01	7.46	141.2	29.18
Sunflower Electric Power Corp	1,150	8,343	.34	4.91	92.9	15.51
Tucson Electric Power Co	271	10,183	.47	13.11	273.3	55.67
Union Electric Co	1,996	8,619	.50	6.12	113.9	19.63
West Texas Utilities Co	2,459	8,317	.35	4.98	174.9	29.10

See footnotes at end of table.

Table 24. Receipts of Western Region Coal, 1989—Continued

Company	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)
Western Farmers Elec Coop Inc	1,571	8,273	0.45	5.29	177.0	29.29
Wisconsin Electric Power Co	6,034	8,554	.38	5.47	110.4	18.88
Wisconsin Power & Light Co	4,337	8,809	.49	6.63	161.4	28.43
Wisconsin Public Service Corp	1,211	8,807	.34	5.06	188.8	33.26
Total	**269,258**	**9,118**	**.45**	**7.69**	**134.9**	**24.61**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator 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 25. Receipts of Lignite, 1989

Company	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)
Basin Electric Power Coop	7,123	6,667	0.70	8.80	72.0	9.60
Central Louisiana Elec Co Inc	2,981	6,858	.54	12.18	127.4	17.48
Coop Power Assn	7,094	6,277	.65	10.57	70.5	8.85
Houston Lighting & Power Co	8,105	6,364	1.05	17.97	143.0	18.20
Lower Colorado River Authority	226	6,694	1.30	11.19	160.9	21.55
Minnkota Power Coop Inc	3,767	6,746	.75	7.43	48.6	6.56
Montana-Dakota Utilities Co	2,637	6,831	.95	8.53	80.7	11.03
Otter Tail Power Co	2,064	6,137	.89	7.74	124.2	15.24
San Miguel Electric Coop Inc	2,984	5,366	1.69	24.98	84.9	9.11
Southwestern Electric Power Co	2,804	6,708	1.52	11.30	117.5	15.77
Texas Municipal Power Agency	3,628	4,595	1.27	26.43	145.6	13.38
Texas Utilities Electric Co	30,535	6,493	.79	14.99	91.2	11.84
United Power Assn	973	6,830	.86	9.54	99.6	13.61
Total	**74,921**	**6,380**	**.88**	**14.12**	**95.8**	**12.22**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator 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 26. Origin and Destination of Coal Received by State, 1989

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	**21,311**	**12,023**	**1.64**	**11.87**	**186.5**	**44.84**
Alabama	14,725	12,152	1.34	12.38	201.9	49.06
Illinois	874	11,590	2.27	8.08	109.8	25.45
Indiana	374	11,609	3.42	7.94	105.9	24.58
Kentucky	2,125	11,785	2.78	10.94	123.3	29.06
Ohio	2,352	11,562	2.30	11.62	206.3	47.71
Tennessee	745	12,321	.77	11.95	126.2	31.10
West Virginia	117	11,971	.79	10.90	159.2	38.11
Arizona	**15,244**	**10,596**	**.49**	**11.22**	**136.0**	**28.81**
Arizona	7,769	11,064	.49	8.45	97.7	21.61
Colorado	648	11,979	.41	16.38	172.0	41.20
New Mexico	6,826	9,933	.50	13.88	180.3	35.83
Arkansas	**11,502**	**8,720**	**.34**	**5.26**	**163.1**	**28.45**
Wyoming	11,502	8,720	.34	5.26	163.1	28.45
Colorado	**15,752**	**9,848**	**.37**	**6.93**	**106.4**	**20.95**
Colorado	10,162	10,541	.40	8.06	109.2	23.02
New Mexico	32	12,455	.52	11.71	130.2	32.42
Wyoming	5,558	8,567	.32	4.83	99.9	17.11
Connecticut	**875**	**13,308**	**.53**	**6.13**	**213.7**	**56.88**
Kentucky	849	13,297	.53	6.12	214.6	57.07
West Virginia	26	13,661	.66	6.55	185.3	50.64
Delaware	**1,918**	**12,943**	**1.04**	**8.99**	**179.3**	**46.41**
Kentucky	24	12,424	.75	7.84	177.3	44.06
Maryland	7	12,945	1.50	10.50	138.8	35.94
Pennsylvania	456	12,754	1.50	9.92	163.0	41.58
Virginia	76	13,234	.87	8.03	200.1	52.95
West Virginia	1,354	13,000	.90	8.74	183.7	47.77
Florida	**23,375**	**12,383**	**1.75**	**8.58**	**178.7**	**44.26**
Alabama	13	11,802	3.01	13.94	114.3	26.98
Illinois	4,107	11,672	2.78	8.80	198.6	46.36
Indiana	508	11,357	3.40	9.55	130.2	29.58
Kentucky	14,980	12,592	1.61	8.31	172.0	43.31
Tennessee	90	12,733	1.02	6.79	216.1	55.03
Virginia	838	12,498	.72	8.96	232.8	58.18
West Virginia	1,999	12,615	1.21	10.40	181.8	45.86
Imported	841	12,043	.73	7.21	171.8	41.38
Georgia	**25,434**	**12,100**	**1.68**	**10.13**	**174.9**	**42.33**
Alabama	246	12,131	2.00	12.11	153.3	37.20
Illinois	5,188	11,366	2.61	9.07	182.0	41.37
Kentucky	13,963	12,196	1.56	10.62	165.6	40.38
Montana	54	9,348	.32	4.13	181.1	33.86
Tennessee	1,140	12,854	1.07	8.04	198.0	50.90
Virginia	3,277	12,836	1.40	10.00	171.6	44.06
West Virginia	1,355	12,054	.65	11.71	242.9	58.55
Wyoming	188	8,736	.38	5.64	137.3	23.98
Imported	23	13,189	.71	8.47	172.5	45.52
Illinois	**25,067**	**10,705**	**2.01**	**8.65**	**181.1**	**38.78**
Colorado	59	11,266	.47	9.66	179.5	40.45
Illinois	14,740	10,898	2.93	9.78	151.0	32.90
Indiana	2,014	10,980	1.51	8.84	126.5	27.77
Kentucky	1,533	12,911	.87	6.81	162.3	41.91
Montana	2,894	9,587	.36	4.24	283.0	54.27
New Mexico	20	12,292	.56	13.20	182.2	44.79
Virginia	6	13,169	.77	6.00	185.3	48.82
West Virginia	288	13,222	.69	6.55	169.9	44.94
Wyoming	3,514	9,469	.45	8.39	290.5	55.01
Indiana	**40,560**	**10,698**	**2.22**	**8.94**	**135.9**	**29.08**
Colorado	256	10,855	.43	9.83	301.3	65.41
Illinois	8,801	10,887	2.59	10.46	160.1	34.86
Indiana	18,942	11,090	2.72	9.47	121.1	26.85

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

Table 26. Origin and Destination of Coal Received by State, 1989—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)
Indiana						
Kentucky	4,212	11,848	2.84	10.54	127.3	30.16
Montana	341	9,480	.33	4.25	219.5	41.62
Ohio	13	11,527	2.10	12.07	129.3	29.80
West Virginia	276	12,365	.94	10.08	188.2	46.54
Wyoming	7,717	8,883	.38	5.13	140.5	24.97
Iowa	**14,316**	**8,940**	**.78**	**5.93**	**121.8**	**21.77**
Illinois	1,736	11,160	2.83	8.81	144.0	32.14
Indiana	711	11,043	2.39	9.17	131.4	29.03
Iowa	46	10,213	3.66	10.17	152.9	31.24
Kentucky	75	11,398	2.68	9.62	127.2	28.99
Wyoming	11,748	8,463	.35	5.27	116.5	19.72
Kansas	**14,725**	**8,876**	**.64**	**6.00**	**123.9**	**22.00**
Illinois	645	11,193	2.94	10.90	146.8	32.86
Kansas	692	10,504	4.11	18.70	130.9	27.50
Wyoming	13,388	8,680	.35	5.11	122.1	21.19
Kentucky	**30,733**	**11,493**	**2.74**	**12.47**	**113.7**	**26.13**
Illinois	9	11,200	1.93	8.60	115.7	25.92
Indiana	2,107	11,210	2.50	8.82	104.7	23.47
Kentucky	25,475	11,433	2.96	12.92	114.1	26.10
Ohio	124	11,280	2.51	12.01	129.4	29.20
Pennsylvania	19	12,322	2.51	13.24	128.1	31.57
Tennessee	541	12,433	2.60	11.56	105.2	26.15
West Virginia	2,435	12,191	.81	11.24	117.5	28.65
Wyoming	22	8,397	.31	5.40	124.2	20.86
Louisiana	**11,594**	**8,187**	**.48**	**7.27**	**162.7**	**26.64**
Louisiana	2,981	6,858	.54	12.18	127.4	17.48
West Virginia	195	13,003	.66	6.71	201.7	52.46
Wyoming	8,418	8,546	.45	5.54	171.4	29.29
Maryland	**8,494**	**12,698**	**1.43**	**10.46**	**161.1**	**40.92**
Kentucky	714	12,910	.76	7.81	165.4	42.71
Maryland	1,437	12,750	1.60	11.55	165.6	42.23
Pennsylvania	2,381	12,434	1.90	12.76	171.1	42.54
West Virginia	3,715	12,834	1.25	9.40	150.3	38.58
Imported	247	12,267	.58	5.62	194.6	47.75
Massachusetts	**4,387**	**13,009**	**1.23**	**8.07**	**160.2**	**41.68**
Kentucky	23	12,825	.89	9.12	137.6	35.30
Pennsylvania	954	13,056	1.39	8.20	164.2	42.88
Virginia	1,756	13,032	1.19	7.55	162.5	42.36
West Virginia	1,592	12,982	1.21	8.60	154.7	40.17
Imported	63	12,385	.62	6.59	183.2	45.38
Michigan	**28,996**	**11,278**	**.67**	**6.89**	**172.1**	**38.83**
Indiana	149	10,955	2.53	10.06	155.1	33.98
Kentucky	7,425	12,664	.83	8.50	194.1	49.17
Montana	11,425	9,451	.36	4.45	152.3	28.80
Ohio	217	11,804	2.93	9.73	179.0	42.27
Pennsylvania	1,759	12,984	1.34	7.54	172.2	44.72
Virginia	598	13,319	1.22	7.27	176.2	46.93
West Virginia	6,287	12,727	.76	9.36	179.6	45.71
Wyoming	1,135	8,815	.31	5.03	117.4	20.69
Minnesota	**16,176**	**8,767**	**.51**	**7.09**	**119.8**	**21.01**
Illinois	57	12,149	1.64	7.07	194.2	47.19
Indiana	68	11,458	1.88	8.35	138.1	31.65
Kentucky	1	12,754	.75	7.00	198.4	50.61
Montana	8,952	8,705	.68	8.89	126.3	22.00
North Dakota	1	6,819	.96	10.83	176.4	24.05
Wyoming	7,097	8,792	.27	4.81	110.5	19.43
Mississippi	**3,455**	**12,654**	**1.56**	**7.77**	**167.1**	**42.29**
Illinois	1,116	12,600	2.51	8.22	146.7	36.97

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

Table 26. Origin and Destination of Coal Received by State, 1989—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)
Mississippi						
Kentucky	2,311	12,686	1.10	7.54	177.2	44.95
West Virginia	27	12,132	1.57	9.16	143.4	34.79
Missouri	**24,788**	**10,368**	**2.09**	**8.92**	**135.0**	**28.00**
Colorado	62	10,823	.36	5.20	186.9	40.45
Illinois	13,633	11,144	2.40	9.72	151.5	33.77
Indiana	55	11,000	1.20	11.00	123.0	27.06
Kansas	134	12,122	3.32	12.32	129.4	31.38
Kentucky	285	11,232	3.07	11.09	126.1	28.32
Missouri	3,071	10,487	4.50	13.01	133.5	28.01
Oklahoma	302	12,110	3.96	13.30	135.9	32.92
Utah	48	11,350	.45	8.10	183.3	41.61
Wyoming	7,198	8,691	.38	5.36	95.5	16.60
Montana	**10,224**	**8,509**	**.66**	**9.46**	**57.7**	**9.81**
Montana	10,224	8,509	.66	9.46	57.7	9.81
Nebraska	**7,473**	**8,664**	**.36**	**5.15**	**82.7**	**14.32**
Colorado	80	12,319	.56	7.54	181.8	44.80
Montana	*	8,865	.32	7.00	22.6	4.01
Wyoming	7,393	8,625	.36	5.12	81.1	14.00
Nevada	**7,067**	**11,117**	**.52**	**9.51**	**152.0**	**33.80**
Arizona	4,137	10,997	.52	9.89	123.4	27.15
Utah	2,375	11,675	.54	9.04	189.7	44.30
Wyoming	555	9,615	.45	8.67	200.1	38.48
New Hampshire	**1,064**	**13,359**	**2.00**	**6.80**	**172.8**	**46.18**
Ohio	16	12,534	3.00	7.20	182.7	45.80
Pennsylvania	221	13,201	1.30	6.56	174.3	46.02
Virginia	42	14,014	1.19	5.27	216.9	60.79
West Virginia	785	13,386	2.21	6.95	169.8	45.45
New Jersey	**3,324**	**13,319**	**1.18**	**7.36**	**175.8**	**46.84**
Kentucky	64	12,988	.77	6.63	182.0	47.28
Ohio	7	12,521	2.14	9.00	196.4	49.18
Pennsylvania	51	13,026	1.63	7.35	184.3	48.01
Virginia	1,122	13,878	.85	5.30	172.7	47.94
West Virginia	2,040	13,036	1.38	8.57	177.0	46.14
Imported	41	13,139	.53	4.46	184.4	48.47
New Mexico	**15,238**	**9,129**	**.79**	**21.43**	**123.8**	**22.61**
New Mexico	15,238	9,129	.79	21.43	123.8	22.61
New York	**9,879**	**12,824**	**1.69**	**9.06**	**157.2**	**40.32**
Kentucky	542	13,193	.51	7.66	200.4	52.88
Ohio	35	12,365	2.15	9.70	155.2	38.39
Pennsylvania	5,952	12,628	1.70	9.90	149.1	37.67
West Virginia	3,351	13,116	1.87	7.78	164.0	43.03
North Carolina	**18,413**	**12,531**	**.92**	**9.93**	**177.0**	**44.35**
Kentucky	9,169	12,553	.94	8.81	180.5	45.31
Tennessee	166	12,511	1.35	9.60	186.8	46.74
Virginia	4,283	12,700	1.02	10.66	171.7	43.61
West Virginia	4,795	12,337	.77	11.42	174.7	43.10
North Dakota	**21,359**	**6,580**	**.73**	**9.16**	**69.4**	**9.13**
North Dakota	21,359	6,580	.73	9.16	69.4	9.13
Ohio	**49,505**	**11,835**	**2.46**	**11.49**	**148.7**	**35.21**
Indiana	86	10,870	2.85	10.43	100.4	21.83
Kentucky	9,384	11,704	1.27	12.49	153.4	35.90
Ohio	24,417	11,639	3.29	11.28	153.9	35.82
Pennsylvania	3,005	12,536	2.16	10.30	134.3	33.66
Virginia	33	13,012	1.37	7.94	183.9	47.86
West Virginia	12,580	12,147	1.80	11.44	139.7	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 26. Origin and Destination of Coal Received by State, 1989—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)
Oklahoma	**14,635**	**8,825**	**0.45**	**5.43**	**136.1**	**24.03**
Oklahoma	804	12,389	1.46	9.28	142.3	35.26
Wyoming	13,831	8,618	.39	5.20	135.6	23.37
Pennsylvania	**42,766**	**12,273**	**2.06**	**13.34**	**144.6**	**35.50**
Ohio	2,286	12,113	3.91	11.63	152.5	36.94
Pennsylvania	31,020	12,223	1.76	14.23	145.1	35.47
West Virginia	9,460	12,475	2.62	10.85	141.3	35.26
South Carolina	**9,805**	**12,618**	**1.12**	**9.16**	**170.7**	**43.08**
Kentucky	8,596	12,564	1.09	9.16	172.7	43.39
Tennessee	135	12,530	1.40	9.09	156.8	39.29
Virginia	1,047	13,074	1.30	9.09	156.8	41.00
West Virginia	27	12,482	1.26	11.58	171.7	42.87
South Dakota	**2,063**	**6,137**	**.89**	**7.74**	**124.1**	**15.24**
North Dakota	2,063	6,137	.89	7.74	124.1	15.24
Tennessee	**18,300**	**11,895**	**1.99**	**9.56**	**134.3**	**31.94**
Illinois	1,495	11,719	1.99	7.79	111.8	26.21
Indiana	6	11,601	1.60	7.60	129.1	29.95
Kentucky	13,638	11,735	2.08	9.73	140.5	32.97
Tennessee	1,866	12,481	1.40	10.15	115.9	28.93
Virginia	1,276	12,951	1.87	9.01	123.8	32.06
West Virginia	18	12,421	2.60	11.40	139.5	34.65
Texas	**84,195**	**7,287**	**.71**	**11.84**	**144.9**	**21.12**
Colorado	1,537	10,705	.37	4.98	221.8	47.50
Texas	48,282	6,272	.97	16.74	104.6	13.13
Utah	218	11,878	.54	6.56	170.8	40.59
Wyoming	34,157	8,538	.36	5.25	182.2	31.11
Utah	**13,385**	**11,322**	**.49**	**11.59**	**123.9**	**28.05**
Colorado	1,343	10,776	.44	8.71	239.8	51.68
Utah	12,042	11,383	.49	11.91	111.6	25.41
Virginia	**9,739**	**12,693**	**.94**	**9.44**	**154.8**	**39.29**
Kentucky	3,553	12,670	1.02	8.55	156.2	39.58
Virginia	3,601	12,729	.90	10.44	156.8	39.92
West Virginia	2,585	12,675	.87	9.27	150.0	38.03
Washington	**5,606**	**8,161**	**.66**	**13.57**	**155.6**	**25.40**
Montana	55	9,553	.33	4.10	130.8	24.99
Washington	4,924	8,106	.71	14.74	160.1	25.95
Wyoming	627	8,474	.34	5.21	124.6	21.12
West Virginia	**31,143**	**12,395**	**1.85**	**11.71**	**142.5**	**35.33**
Kentucky	1,109	12,143	1.06	10.20	165.5	40.20
Maryland	925	12,140	1.71	15.13	116.6	28.32
Ohio	935	12,203	4.04	10.94	102.3	24.97
Pennsylvania	308	12,885	1.60	8.19	119.8	30.87
West Virginia	27,866	12,415	1.82	11.72	144.1	35.77
Wisconsin	**17,535**	**9,705**	**.86**	**6.38**	**144.8**	**28.10**
Illinois	1,418	11,540	1.99	7.98	145.0	33.46
Indiana	2,145	11,167	1.91	8.73	182.5	40.77
Kentucky	390	12,676	1.50	8.86	158.7	40.23
Montana	2,137	8,820	.65	8.13	157.8	27.84
Ohio	9	12,612	1.41	9.90	163.6	41.28
Pennsylvania	1,479	13,226	1.70	6.76	153.1	40.50
Virginia	45	13,926	.79	4.13	164.2	45.74
West Virginia	125	12,982	1.73	8.82	167.1	43.39
Wyoming	9,786	8,598	.34	5.07	127.7	21.96
Wyoming	**21,798**	**8,788**	**.52**	**7.87**	**84.5**	**14.86**
Wyoming	21,798	8,788	.52	7.87	84.5	14.86
Total	**753,217**	**10,425**	**1.33**	**9.93**	**144.5**	**30.12**

* = Number less than 0.5 rounded to zero.

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 27. Quantity, Quality, and Average Delivered Cost of Imported Coal, 1985-1989.

Company 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)
1989	**1,215**	**12,165**	**0.69**	**6.8**	**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**	**48.47**
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	**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
1987	**765**	**12,127**	**.58**	**7.26**	**169.9**	**41.20**
Central Power & Light Co	**94**	**12,313**	**.54**	**9.71**	**164.5**	**40.52**
Australia	57	12,549	.54	11.80	149.5	37.52
Colombia	37	11,951	.53	6.50	188.8	45.13
Florida Power Corp	**379**	**12,269**	**.56**	**5.82**	**171.4**	**42.06**
Australia	26	12,345	.69	9.71	141.6	34.95
Colombia	333	12,236	.54	5.39	175.0	42.83
Venezuela	19	12,744	.68	7.90	150.0	38.23
Gulf Power Co	**79**	**11,650**	**.47**	**12.80**	**220.8**	**51.45**
South Africa	79	11,650	.47	12.80	220.8	51.45
Jacksonville Electric Auth	**94**	**11,646**	**.58**	**7.90**	**137.0**	**31.91**
Colombia	94	11,646	.58	7.90	137.0	31.91
Mississippi Power Co	**66**	**12,206**	**.49**	**4.27**	**173.5**	**42.35**
Colombia	66	12,206	.49	4.27	173.5	42.35
New England Power Co	**29**	**11,928**	**.72**	**7.15**	**132.5**	**31.61**
Colombia	29	11,928	.72	7.15	132.5	31.61
Public Service Co of NH	**25**	**12,627**	**1.38**	**8.05**	**163.5**	**41.29**
Canada	16	13,100	1.80	8.50	168.6	44.18
Colombia	9	11,825	.67	7.30	153.8	36.37
1986	**1,486**	**11,853**	**.53**	**10.51**	**198.5**	**47.06**
Florida Power Corp	**455**	**12,074**	**.51**	**6.11**	**158.2**	**38.19**
Canada	37	10,005	.63	13.50	133.4	26.70
Colombia	418	12,257	.50	5.45	159.9	39.21
Gulf Power Co	**1,030**	**11,755**	**.53**	**12.45**	**216.9**	**50.98**
South Africa	1,030	11,755	.53	12.45	216.9	50.98
1985	**1,299**	**11,989**	**.60**	**11.49**	**241.3**	**57.85**
Florida Power Corp	**362**	**12,483**	**.64**	**8.94**	**223.8**	**55.88**
Colombia	362	12,483	.64	8.94	223.8	55.88
Gulf Power Co	**865**	**11,757**	**.59**	**12.78**	**254.5**	**59.85**
South Africa	865	11,757	.59	12.78	254.5	59.85
New England Power Co	**43**	**12,622**	**.45**	**9.61**	**179.0**	**45.19**
Canada	43	12,622	.45	9.61	179.0	45.19
Virginia Electric & Power Co	**29**	**11,795**	**.73**	**7.70**	**175.4**	**41.38**
Colombia	29	11,795	.73	7.70	175.4	41.38

Notes: • Included in the average price of imported coal delivered to Florida Power Corporation in 1985 are coal delivered from Virginia, Kentucky, and West Virginia during the months of January through August. Prior to January 1986, the average cost of imported coal delivered to the Crystal River plant included transportation costs directly to the plant. However, beginning in 1986 the average delivered cost for imported coal to the Crystal River plant includeds 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. • Totals may not equal sum of components because of independent rounding. • Data 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 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1988

Utility Plant and Unit No.	Nameplate Capacity (megawatts)		Initial Start Up Date of FGD System	Design Coal Sulfur (Percent by Wt)	FGD Type	Sorbent	Designed SO2 Removal (Percent Efficiency)
	by Plant	by Unit with FGD System					
Alabama Electric Coop Inc							
Tombigbee 2	532	233	7903	1.90	Spray	Limestone	85.0
Tombigbee 3	-	233	8005	1.90	Spray	Limestone	85.0
Arizona Electric Power Coop Inc							
Apache 2	464	195	7901	.70	Packed	Limestone	85.0
Apache 3	464	195	7901	.70	Packed	Limestone	85.0
Arizona Public Service							
Cholla 1	1,105	114	7312	.60	Venturi	Limestone	85.0
Cholla 2	-	289	7806	.60	Packed	Limestone	99.0
Cholla 4	-	414	8106	.60	Packed	Limestone	90.0
Four Corners 1	2,270	190	7201	.80	Venturi	Lime	72.0
Four Corners 2	-	190	7201	.80	Venturi	Lime	72.0
Four Corners 3	-	253	7201	.80	Venturi	Lime	72.0
Four Corners 4	-	818	8501	.80	Tray	Lime	72.0
Four Corners 5	-	818	8501	.80	Tray	Lime	72.0
Associated Elec Coop-Missouri							
Thomas Hill 3	1,135	670	8207	4.80	Spray	Limestone	91.1
Basin Electric Power Coop							
Antelope Valley 1	876	438	8307	1.20	SprayDry	Lime/Alkaline Flyash	81.0
Antelope Valley 2	-	438	8511	1.20	SprayDry	Lime/Alkaline Flyash	89.0
Laramie River 1	1,710	570	8007	.80	Spray	Limestone	90.0
Laramie River 2	-	570	8107	.80	Spray	Limestone	90.0
Laramie River 3	-	570	8405	.50	SprayDry	Lime/Alkaline Flyash	85.0
Big Rivers Rural Electric Coop							
D. B. Wilson 1	500	500	8701	3.80	Spray	Limestone	90.0
R. D. Green 1	527	264	7912	4.00	Spray	Lime	90.0
R. D. Green 2	-	223	8101	4.00	Spray	Lime	90.0
Central Illinois Light							
Duck Creek 1	441	441	7607	3.40	Venturi	Limestone	86.0
Central Illinois Public Service							
Newton 1	1,235	617	7912	4.00	Spray	Sodium Carbonate	90.0
Central Louisanna Electric							
Dolet Hills 1	721	721	8604	.70	Spray	Limestone	76.0
Century Power Corp							
Springerville 1	794	397	8506	.70	SprayDry	Lime/Alkaline Flyash	61.3
Cincinnati Gas and Electric Co							
East Bend 2	669	669	8103	5.20	SprayDry	Lime	99.0
City Utilities of Springfield							
Southwest 1	194	194	7704	3.20	Tray	Limestone	87.0
Colorado-Ute Electric Assn							
Craig 1	1,339	446	8010	9.00	Spray	Limestone	85.0
Craig 2	-	446	8005	9.00	Spray	Limestone	85.0
Craig 3	-	446	8410	7.00	SprayDry	Lime	85.0
Columbus and Southern Ohio Elec							
Conesville 5	2,175	444	7705	7.90	Spray	Lime	89.7
Conesville 6	-	444	7708	7.90	Spray	Lime	89.7
Cooperative Power Association							
Coal Creek 1	1,012	506	7908	1.00	Spray	Lime/Alkaline Flyash	90.0
Coal Creek 2	-	506	8107	1.00	Spray	Lime/Alkaline Flyash	90.0
Deepwater Operating Co							
Deepwater 1	129	129	8603	4.00		Limestone	-

See footnotes at end of table.
Source: Energy Information Administration, Form EIA-767, "Steam-Electric Plant Operation and Design Report."

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1988 (Continued)

Utility Plant and Unit No.	Nameplate Capacity (megawatts) by Plant	Nameplate Capacity (megawatts) by Unit with FGD System	Initial Start Up Date of FGD System	Design Coal Sulfur (Percent by Wt)	FGD Type	Sorbent	Designed SO2 Removal (Percent Efficiency)
Delmarva Power and Light							
Delaware City 1	140	28	8001	-	Tray	Sodium Carbonate	92.0
Delaware City 2	-	28	8001	-	Tray	Sodium Carbonate	92.0
Delaware City 3	-	10	8001	-	Tray	Sodium Carbonate	92.0
Deseret Generating & Trans							
Bonanza 1	400	400	8605	0.50	Spray	Limestone	95.0
Duquesne Light							
Elrama 1-4	510	510	7609	2.50	Venturi	Lime	83.0
Philips 1-6	411	411	7406	2.50	Venturi	Lime	83.0
East Kentucky Power Coop							
Spurlock 2	814	508	8306	3.60	SprayDry	Lime	90.4
Grand Haven Light & Power							
J.B. Sims 3	78	58	8305	2.75	Tray	Lime	90.0
Grand River Dam Authority							
GRDA 2	1,010	520	8604	1.50	SprayDry	Lime/Alkaline Flyash	85.0
Hoosier Energy Div-Indiana Rec							
Merom 1	980	490	8309	3.00	Spray	Limestone	90.0
Merom 2	-	490	8202	3.00	Spray	Limestone	90.0
Houston Lighting and Power							
Limestone 1	1,627	813	8511	3.10	Spray	Limestone	90.0
Limestone 2	-	813	8611	3.10	Spray	Limestone	90.0
W.A. Parish 8	3,953	615	8212	.50	Spray	Limestone	85.0
Indianapolis Power and Light							
Petersburg 3	1,873	574	7711	4.50	Packed	Limestone	85.0
Petersburg 4	-	574	8604	4.50	Packed	Limestone	95.0
Jacksonville Electric Authority							
St Johns River 1	1,358	679	8702	2.20	Spray	Limestone	90.0
St Johns River 2	-	679	8810	2.20	Spray	Limestone	90.0
Kansas City Power and Light							
Lacygne 1	1,579	893	7306	5.40	Venturi	Limestone	80.0
Kansas Power and Light Co							
Jeffrey 1	2,160	720	7807	.30	Spray	Limestone	60.0
Jeffrey 2	-	720	8005	.30	Spray	Limestone	60.0
Jeffrey 3	-	720	8305	.30	Spray	Limestone	60.0
Lawrence 4	698	270	6906	.90	Venturi	Limestone	73.0
Lawrence 5	-	916	7105	.90	Venturi	Limestone	52.0
Kentucky Utilities							
Green River 1-3	264	38	7510	3.80	Venturi	Lime	80.0
Lakeland Dept of Elec Wtr Utils							
Mcintosh 3	550	334	8209	1.80	Spray	Limestone	85.0
Los Angeles Dept of Water & Pwr							
Intermountain 1	1,784	892	8607	.90	Spray	Limestone	90.0
Intermountain 2	-	892	8707	.90	Spray	Limestone	90.0
Louisville Gas and Electric							
Cane Run 4	792	163	7612	3.50	Packed	Other	85.0
Cane Run 5	-	209	7805	3.50	Spray	Other	85.0
Cane Run 6	-	272	7904	3.50	Tray	Other	95.0
Mill Creek 1	1,549	321	8112	6.00	Spray	Limestone	90.0
Mill Creek 2	-	321	8012	6.00	Spray	Limestone	90.0
Mill Creek 3	-	411	8510	5.00	Spray	Limestone	85.0
Mill Creek 4	-	496	8207	6.30	Spray	Limestone	85.0

See footnotes at end of table.
Source: Energy Information Administration, Form EIA-767, "Steam-Electric Plant Operation and Design Report."

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1988 (Continued)

Utility Plant and Unit No.	Nameplate Capacity (megawatts) by Plant	Nameplate Capacity (megawatts) by Unit with FGD System	Initial Start Up Date of FGD System	Design Coal Sulfur (Percent by Wt)	FGD Type	Sorbent	Designed SO2 Removal (Percent Efficiency)
Lower Colorado River Auth							
Sam Seymour 3	1,690	460	8804	1.70	Spray	Limestone	90.0
Marquette Board of Light & Pwr							
Shiras 3	40	40	8303	.30	SprayDry	Lime	80.0
Michigan So Central Pwr Agency							
Endicott 1	55	50	8305	2.25	Spray	Limestone	90.0
Minnesota Power and Light							
Clay Boswell 3	1,073	365	7302	1.00	Spray	Particulate Scrubber	25.4
Clay Boswell 4	-	558	8004	1.00	Spray	Lime/Alkaline Flyash	83.2
Syl Laskin 1	116	58	7105	1.00	Spray	Particulate Scrubber	-
Syl Laskin 2	-	58	7105	1.00	Spray	Particulate Scrubber	-
Minnkota Power Coop							
Milton R. Young 2	734	477	7806	1.20	Spray	Lime/Alkaline Flyash	77.9
Monongahela Power (APS)							
Pleasants 1	1,368	684	7903	4.50	Tray	Lime	90.0
Pleasants 2	-	684	8012	4.50	Tray	Lime	90.0
Montana Power Co							
Colstrip 1	2,273	358	7511	.80	Venturi	Lime/Alkaline Flyash	58.8
Colstrip 2	-	358	7608	.80	Venturi	Lime/Alkaline Flyash	58.8
Colstrip 3	-	778	8401	.80	Venturi	Lime/Alkaline Flyash	95.0
Colstrip 4	-	778	8604	.80	Venturi	Lime/Alkaline Flyash	95.0
Montana-Dakota Utilities							
Coyote 1	450	450	8105	.80	SprayDry	Sodium Carbonate	70.0
Muscatine Power and Water							
Muscatine 9	249	160	8306	3.20	Spray	Limestone	96.0
Nevada Power							
Reid Gardner 1	612	114	7404	.50	Spray	Sodium Carbonate	94.1
Reid Gardner 2	-	114	7404	.50	Spray	Sodium Carbonate	90.5
Reid Gardner 3	-	114	7607	.50	Spray	Sodium Carbonate	95.0
Reid Gardner 4	-	270	8307	.90	Spray	Sodium Carbonate	85.0
New York State Electric and Gas							
Somerset 1	655	655	8408	3.60	Spray	Limestone	90.0
Northern Indiana Public Service							
Schahfer 17	1,943	424	8304	3.20	Spray	Dual Alkali	90.0
Schahfer 18	-	424	8602	3.20	Spray	Dual Alkali	90.0
Northern States Power							
Riverside 6-7	376	137	8101	1.30	SprayDry	Lime/Alkaline Flyash	70.0
Sherburne 1	2,300	720	7605	.90	Venturi	Limestone/Alk Flyash	50.0
Sherburne 2	-	720	7704	.90	Spray	Limestone/Alk Flyash	50.0
Sherburne 3	-	860	8711	.90	SprayDry	Lime/Alkaline Flyash	72.3
Orlando Utilities Comm							
Stanton Energy 1	465	465	8707	3.50	Spray	Limestone	90.0
PacifiCorp							
Jim Bridger 2	2,034	509	8609	1.00	Tray	Sodium Carbonate	86.4
Jim Bridger 3	2,034	509	8809	1.00	Tray	Other	86.4
Jim Bridger 4	2,034	509	7911	1.00	Tray	Sodium Carbonate	91.0
Wyodak 1	-	327	7204	.50	SprayDry	Lime	58.3
Dave Johnston 4	332	332	8612	.80		Wet Injection	75.2
Hunter 1	1,340	446	7806	.60	Spray	Lime	80.0
Hunter 2	-	446	8006	.60	Spray	Lime	80.0
Hunter 3	-	447	8306	.60	Spray	Limestone	90.0
Huntington 1	893	446	7802	.60	Spray	Lime	80.0
Naughton 3	707	326	8110	.60	Tray	Sodium Carbonate	70.0

See footnotes at end of table.
Source: Energy Information Administration, Form EIA-767, "Steam-Electric Plant Operation and Design Report."

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1988 (Continued)

Utility Plant and Unit No.	Nameplate Capacity (megawatts) by Plant	Nameplate Capacity (megawatts) by Unit with FGD System	Initial Start Up Date of FGD System	Design Coal Sulfur (Percent by Wt)	FGD Type	Sorbent	Designed SO2 Removal (Percent Efficiency)
Pennsylvania Power							
Bruce Mansfield 1	2,741	914	7604	4.80	Venturi	Lime	92.1
Bruce Mansfield 2	-	914	7710	4.80	Venturi	Lime	92.1
Bruce Mansfield 3	-	914	8009	4.80	Spray	Lime	92.1
Philadelphia Electric							
Cromby 1	418	188	8212	2.60	Spray	Magnesium Oxide	95.0
Eddystone 1	1,489	354	8212	2.60	Spray	Magnesium Oxide	92.0
Eddystone 2	-	354	8212	2.60	Spray	Magnesium Oxide	92.0
Plains Elec Gen and Trans Coop							
Plains Escalante 1	233	233	8412	.80	Spray	Limestone	95.0
Platte River Authority							
Rawhide 1	255	255	8404	.30	SprayDry	Lime/Alkaline Flyash	80.0
Public Service Co of Indiana							
Gibson 5	3,340	668	8210	4.40	Spray	Limestone	86.0
Public Service Co of New Mexico							
San Juan 1	1,779	361	7804	1.30	Tray	Other	90.0
San Juan 2	-	350	7808	1.30	Tray	Other	90.0
San Juan 3	-	534	8203	1.30	Tray	Other	90.0
San Juan 4	-	534	8204	1.30	Tray	Other	90.0
Salt River Project							
Coronado 1	822	411	7912	1.00	Spray	Limestone	82.5
Coronado 2	-	411	8011	1.00	Spray	Limestone	82.5
San Miguel Electric							
San Miguel 1	410	410	8201	2.00	Spray	Limestone	86.0
Seminole Electric Coop							
Seminole 1	1,240	620	8402	3.00	Spray	Limestone	86.0
Seminole 2	-	620	8501	3.00	Spray	Limestone	86.0
Sierra Pacific Power							
Valmy 2	521	267	8507	.50	SprayDry	Lime	70.0
Sikeston Brd of Mun Utilities							
Sikeston 1	235	235	8111	2.80	Venturi	Limestone	75.5
South Carolina Public Serv Auth							
Cross 2	556	556	8312	1.60	Spray	Limestone	81.4
Winyah 2	1,260	315	7707	1.10	Venturi	Limestone	45.0
Winyah 3	-	315	8006	2.30	Spray	Limestone	90.0
Winyah 4	-	315	8111	1.70	Spray	Limestone	90.4
South Mississippi Elec Pwr Assn							
R. D. Morrow 1	400	200	7809	1.50	Spray	Limestone	85.0
R. D. Morrow 2	-	200	7906	1.50	Spray	Limestone	85.0
Southern Illinois Power Coop							
Marion 4	272	173	7904	4.40	Venturi	Limestone	89.4
Southern Indiana Gas and Elec							
A. B. Brown 1	530	265	7904	4.50	Spray	Sodium Carbonate	85.0
A. B. Brown 2	-	265	8602	4.50	Spray	Sodium Carbonate	90.0
Southwestern Electric Pwr (CSW)							
Pirkey 1	719	185	8501	1.50	Spray	Limestone	85.0
Springfield Wtr Lt and Pwr Dept							
Dallman 3	388	207	8012	3.30	Packed	Limestone	95.0

See footnotes at end of table.
Source: Energy Information Administration, Form EIA-767, "Steam-Electric Plant Operation and Design Report."

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1988 (Continued)

Utility Plant and Unit No.	Nameplate Capacity (megawatts)		Initial Start Up Date of FGD System	Design Coal Sulfur (Percent by Wt)	FGD Type	Sorbent	Designed SO2 Removal (Percent Efficiency)
	by Plant	by Unit with FGD System					
Sunflower Electric Coop Inc							
Holcomb 1	319	319	8308	1.00	SprayDry	Lime/Alkaline Flyash	80.0
Holcomb 2	-	319	8308	1.00	SprayDry	Lime/Alkaline Flyash	80.0
Holcomb 3	-	319	8308	1.00	SprayDry	Lime/Alkaline Flyash	80.0
Tampa Electric							
Big Bend 4	1,823	486	8502	3.50	Spray	Limestone	90.0
Tennessee Valley Authority							
Paradise 1	2,558	704	8309	3.20	Spray	Limestone	84.2
Paradise 2	-	704	8312	3.20	Spray	Limestone	84.2
Shawnee 9	-	-	8703	4.00		Lime	-
Widows Creek 7	1,969	575	8112	4.00	Spray	Limestone	83.4
Widows Creek 8	-	550	7801	4.50	Tray	Limestone	80.0
Texas Municipal Power							
Gibbons Creek 1	444	444	8310	2.30	Spray	Limestone	90.0
Texas Utilities Electric Co.							
Sandow 4	591	591	8105	1.60	Spray	Limestone	73.9
Martin Lake 1	2,380	793	7705	.90	Spray	Limestone	91.0
Martin Lake 2	-	793	7805	.90	Spray	Limestone	91.0
Martin Lake 3	-	793	7904	.90	Spray	Limestone	91.0
Monticello 3	1,980	793	7808	1.50	Spray	Limestone	74.0
United Power Association							
Stanton 1A	175	56	8207	.77	SprayDry	Lime	72.7
West Penn Power (APS)							
Mitchell 33	449	299	8208	3.00	Spray	Lime	95.0
West Texas Utilities							
Oklaunion 1	664	664	8612	.40	Spray	Limestone	86.8

Notes: • Data for 1989 are not available. • SO2 = Sulfur Dioxide.
Source: Energy Information Administration, Form EIA-767, "Steam-Electric Plant Operation and Design Report."

Table 29. Receipts of Coal by Type of Coal, Census Division and State, 1989
(Thousand Short Tons)

Census Division and State	Receipts by Type of Coal				
	Anthracite	Bituminous	Subbituminous	Lignite	Total
New England	**-**	**6,326**	**-**	**-**	**6,326**
Connecticut	-	875	-	-	875
Maine	-	-	-	-	-
Massachusetts	-	4,387	-	-	4,387
New Hampshire	-	1,064	-	-	1,064
Rhode Island	-	-	-	-	-
Vermont	-	-	-	-	-
Middle Atlantic	**633**	**55,336**	**-**	**-**	**55,969**
New Jersey	-	3,324	-	-	3,324
New York	-	9,879	-	-	9,879
Pennsylvania	633	42,133	-	-	42,766
East North Central	**-**	**124,016**	**37,647**	**-**	**161,663**
Illinois	-	18,720	6,347	-	25,067
Indiana	-	33,750	6,810	-	40,560
Michigan	-	16,435	12,560	-	28,996
Ohio	-	49,499	6	-	49,505
Wisconsin	-	5,612	11,923	-	17,535
West North Central	**-**	**23,760**	**53,717**	**23,423**	**100,899**
Iowa	-	2,802	11,515	-	14,316
Kansas	-	3,112	11,613	-	14,725
Minnesota	-	127	16,048	1	16,176
Missouri	-	17,612	7,176	-	24,788
Nebraska	-	108	7,365	-	7,473
North Dakota	-	-	-	21,359	21,359
South Dakota	-	-	-	2,063	2,063
South Atlantic	**-**	**128,133**	**188**	**-**	**128,322**
Delaware	-	1,918	-	-	1,918
District of Columbia	-	-	-	-	-
Florida	-	23,375	-	-	23,375
Georgia	-	25,246	188	-	25,434
Maryland	-	8,494	-	-	8,494
North Carolina	-	18,413	-	-	18,413
South Carolina	-	9,805	-	-	9,805
Virginia	-	9,739	-	-	9,739
West Virginia	-	31,143	-	-	31,143
East South Central	**-**	**73,776**	**22**	**-**	**73,798**
Alabama	-	21,311	-	-	21,311
Kentucky	-	30,710	22	-	30,733
Mississippi	-	3,455	-	-	3,455
Tennessee	-	18,300	-	-	18,300
West South Central	**-**	**2,754**	**67,908**	**51,263**	**121,925**
Arkansas	-	-	11,502	-	11,502
Louisiana	-	195	8,418	2,981	11,594
Oklahoma	-	804	13,831	-	14,635
Texas	-	1,756	34,157	48,282	84,195
Mountain	**-**	**37,237**	**61,237**	**235**	**98,709**
Arizona	-	11,662	3,582	-	15,244
Colorado	-	5,452	10,300	-	15,752
Idaho	-	-	-	-	-
Montana	-	-	9,989	235	10,224
Nevada	-	6,512	555	-	7,067
New Mexico	-	-	15,238	-	15,238
Utah	-	13,385	-	-	13,385
Wyoming	-	225	21,573	-	21,798
Pacific	**-**	**3**	**5,603**	**-**	**5,606**
California	-	-	-	-	-
Oregon	-	-	-	-	-
Washington	-	3	5,603	-	5,606
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**633**	**451,341**	**226,322**	**74,921**	**753,217**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 30. Receipts of Coal by Census Division and State, 1985-1989
(Thousand Short Tons)

Census Division and State	1989	1988	1987	1986	1985
New England	**6,326**	**6,377**	**5,774**	**5,718**	**6,052**
Connecticut	875	830	770	817	774
Maine	-	-	-	-	-
Massachusetts	4,387	4,285	3,889	3,948	3,845
New Hampshire	1,064	1,262	1,115	952	1,433
Rhode Island	-	-	-	-	-
Vermont	-	-	-	-	-
Middle Atlantic	**55,969**	**51,532**	**53,855**	**49,714**	**50,030**
New Jersey	3,324	2,477	2,691	2,579	3,207
New York	9,879	8,562	8,131	6,296	7,480
Pennsylvania	42,766	40,493	43,033	40,838	39,342
East North Central	**161,663**	**155,300**	**162,093**	**161,293**	**151,826**
Illinois	25,067	26,920	28,509	32,966	31,091
Indiana	40,560	36,414	38,682	36,890	36,842
Michigan	28,996	28,344	29,889	27,148	24,057
Ohio	49,505	46,008	48,385	47,473	44,511
Wisconsin	17,535	17,613	16,629	16,815	15,325
West North Central	**100,899**	**99,540**	**89,342**	**81,067**	**86,552**
Iowa	14,316	13,974	13,786	11,384	12,215
Kansas	14,725	14,798	15,033	13,903	14,261
Minnesota	16,176	15,451	12,793	9,324	11,004
Missouri	24,788	23,959	22,533	21,241	22,162
Nebraska	7,473	7,485	6,327	5,781	6,387
North Dakota	21,359	21,714	18,128	17,568	18,352
South Dakota	2,063	2,160	741	1,866	2,169
South Atlantic	**128,322**	**120,976**	**129,920**	**120,826**	**115,194**
Delaware	1,918	2,525	2,422	2,296	2,249
District of Columbia	-	-	-	-	-
Florida	23,375	23,770	22,553	18,311	17,492
Georgia	25,434	25,135	26,351	27,329	26,256
Maryland	8,494	8,854	8,187	7,807	6,610
North Carolina	18,413	16,795	17,829	19,145	19,658
South Carolina	9,805	9,002	9,354	7,609	8,274
Virginia	9,739	7,459	8,907	7,334	6,814
West Virginia	31,143	27,436	34,317	30,995	27,841
East South Central	**73,798**	**73,868**	**78,047**	**77,064**	**67,843**
Alabama	21,311	19,895	20,739	22,181	20,505
Kentucky	30,733	29,344	31,771	28,148	24,677
Mississippi	3,455	4,870	4,430	4,201	4,009
Tennessee	18,300	19,759	21,107	22,535	18,652
West South Central	**121,925**	**117,144**	**111,029**	**105,426**	**104,083**
Arkansas	11,502	11,907	11,709	11,856	11,884
Louisiana	11,594	12,078	10,627	10,093	8,309
Oklahoma	14,635	13,355	12,124	12,007	12,895
Texas	84,195	79,803	76,568	71,470	70,995
Mountain	**98,709**	**97,184**	**86,382**	**81,198**	**80,711**
Arizona	15,244	14,121	12,714	12,886	14,293
Colorado	15,752	14,949	13,367	13,421	14,171
Idaho	-	-	-	-	-
Montana	10,224	10,474	7,596	7,498	5,460
Nevada	7,067	7,886	6,893	7,614	5,604
New Mexico	15,238	14,522	14,176	13,764	14,133
Utah	13,385	12,256	11,801	7,378	6,696
Wyoming	21,798	22,976	19,834	18,636	20,354
Pacific	**5,606**	**5,856**	**4,856**	**4,659**	**4,453**
California	-	-	-	-	-
Oregon	-	235	377	-	53
Washington	5,606	5,621	4,479	4,659	4,400
Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**753,217**	**727,775**	**721,298**	**686,964**	**666,743**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 31. Receipts of Petroleum by Type of Petroleum, Census Division and State, 1989
(Thousand Barrels)

Census Division and State	Receipts by Type of Petroleum					
	No. 2 Fuel Oil	No. 4 Fuel Oil[1]	No. 5 Fuel Oil[1]	No. 6 Fuel Oil	Crude Oil[2]	Total
New England	**135**	**-**	**-**	**58,804**	**-**	**58,939**
Connecticut	32	-	-	18,932	-	18,964
Maine	11	-	-	4,927	-	4,938
Massachusetts	72	-	-	29,148	-	29,220
New Hampshire	20	-	-	5,082	-	5,102
Rhode Island	-	-	-	715	-	715
Vermont	-	-	-	-	-	-
Middle Atlantic	**919**	**8**	**-**	**88,850**	**-**	**89,777**
New Jersey	119	1	-	12,156	-	12,276
New York	92	7	-	65,476	-	65,575
Pennsylvania	708	-	-	11,218	-	11,926
East North Central	**1,699**	**-**	**-**	**4,309**	**-**	**6,009**
Illinois	407	-	-	1,932	-	2,339
Indiana	405	-	-	-	-	405
Michigan	351	-	-	1,989	-	2,339
Ohio	432	-	-	388	-	821
Wisconsin	105	-	-	-	-	105
West North Central	**312**	**-**	**-**	**131**	**-**	**443**
Iowa	59	-	-	-	-	59
Kansas	72	-	-	-	-	72
Minnesota	21	-	-	-	-	21
Missouri	67	-	-	66	-	133
Nebraska	12	-	-	60	-	71
North Dakota	71	-	-	6	-	77
South Dakota	10	-	-	-	-	10
South Atlantic	**2,503**	**1,246**	**-**	**59,636**	**-**	**63,386**
Delaware	207	-	-	3,570	-	3,776
District of Columbia	51	1,246	-	-	-	1,297
Florida	621	-	-	39,811	-	40,432
Georgia	199	-	-	31	-	230
Maryland	331	-	-	10,318	-	10,649
North Carolina	203	-	-	-	-	203
South Carolina	83	-	-	-	-	83
Virginia	325	-	-	5,907	-	6,233
West Virginia	483	-	-	-	-	483
East South Central	**539**	**-**	**-**	**1,209**	**-**	**1,748**
Alabama	129	-	-	-	-	129
Kentucky	206	-	-	-	-	206
Mississippi	97	-	-	1,209	-	1,307
Tennessee	106	-	-	-	-	106
West South Central	**2,056**	**211**	**519**	**595**	**-**	**3,381**
Arkansas	100	-	-	135	-	235
Louisiana	264	-	-	313	-	578
Oklahoma	37	-	-	-	-	37
Texas	1,655	211	519	147	-	2,532
Mountain	**533**	**-**	**29**	**702**	**-**	**1,264**
Arizona	216	-	-	74	-	290
Colorado	34	-	-	-	-	34
Idaho	-	-	-	-	-	-
Montana	41	-	-	-	-	41
Nevada	36	-	-	628	-	664
New Mexico	36	-	29	-	-	65
Utah	40	-	-	-	-	40
Wyoming	131	-	-	-	-	131
Pacific	**44**	**-**	**-**	**11,125**	**-**	**11,170**
California	9	-	-	11,095	-	11,104
Oregon	12	-	-	-	-	12
Washington	23	-	-	30	-	53
Pacific Noncontiguous	**14**	**-**	**-**	**10,292**	**-**	**10,306**
Alaska	-	-	-	-	-	-
Hawaii	14	-	-	10,292	-	10,306
Total	**8,754**	**1,465**	**548**	**235,655**	**-**	**246,422**

[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 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 32. Receipts of Petroleum by Census Division and State, 1985-1989
(Thousand Barrels)

Census Division and State	1989	1988	1987	1986	1985
New England	**58,939**	**60,107**	**50,712**	**61,565**	**45,658**
Connecticut	18,964	18,510	15,100	18,062	16,618
Maine	4,938	5,120	4,061	4,595	3,000
Massachusetts	29,220	29,931	27,335	32,802	23,223
New Hampshire	5,102	5,130	3,385	4,663	2,262
Rhode Island	715	1,416	832	1,442	554
Vermont	-	-	-	-	-
Middle Atlantic	**89,777**	**87,220**	**72,696**	**80,386**	**64,678**
New Jersey	12,276	13,664	8,574	12,300	10,594
New York	65,575	63,074	52,077	53,181	40,774
Pennsylvania	11,926	10,483	12,046	14,905	13,311
East North Central	**6,009**	**5,455**	**6,105**	**5,495**	**5,633**
Illinois	2,339	1,803	3,951	2,628	3,436
Indiana	405	324	277	335	427
Michigan	2,339	2,389	1,361	1,951	984
Ohio	821	823	432	418	573
Wisconsin	105	116	84	163	213
West North Central	**443**	**724**	**602**	**582**	**666**
Iowa	59	77	69	60	109
Kansas	72	133	73	109	100
Minnesota	21	16	30	18	19
Missouri	133	350	349	305	339
Nebraska	71	101	25	21	2
North Dakota	77	38	47	46	80
South Dakota	10	9	8	22	17
South Atlantic	**63,386**	**53,894**	**48,333**	**58,180**	**32,716**
Delaware	3,776	4,016	2,760	3,603	2,677
District of Columbia	1,297	959	542	431	257
Florida	40,432	39,073	33,526	44,415	21,574
Georgia	230	374	400	539	524
Maryland	10,649	5,635	4,742	4,801	5,152
North Carolina	203	229	265	189	206
South Carolina	83	112	116	101	119
Virginia	6,233	3,183	5,536	3,689	1,836
West Virginia	483	312	445	411	372
East South Central	**1,748**	**1,569**	**747**	**2,517**	**823**
Alabama	129	140	191	219	245
Kentucky	206	224	239	241	273
Mississippi	1,307	1,087	186	1,920	182
Tennessee	106	118	132	137	122
West South Central	**3,381**	**1,472**	**748**	**1,879**	**1,426**
Arkansas	235	240	144	132	122
Louisiana	578	510	91	419	172
Oklahoma	37	173	35	80	56
Texas	2,532	549	478	1,247	1,077
Mountain	**1,264**	**1,500**	**1,051**	**961**	**634**
Arizona	290	204	296	269	182
Colorado	34	13	31	39	34
Idaho	-	-	-	-	-
Montana	41	37	24	43	86
Nevada	664	986	467	319	44
New Mexico	65	97	70	86	82
Utah	40	34	47	73	55
Wyoming	131	128	117	131	151
Pacific	**11,170**	**14,983**	**3,209**	**7,542**	**3,524**
California	11,104	14,966	3,193	7,520	3,494
Oregon	12	-	-	*	15
Washington	53	17	16	22	14
Noncontiguous	**10,306**	**10,000**	**10,374**	**9,415**	**9,189**
Alaska	-	-	-	-	-
Hawaii	10,306	10,000	10,374	9,415	9,189
Total	**246,422**	**236,924**	**194,578**	**228,522**	**164,947**

* = Number less than 0.5

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 33. Receipts of Gas by Type of Gas, Census Division and State, 1989
(Thousand Mcf)

Census Division and State	Receipts by Type of Gas			
	Natural Gas	LNG and SNG[1]	Other[2]	Total
New England	**48,076**	-	-	**48,076**
Connecticut	3,297	-	-	3,297
Maine	-	-	-	-
Massachusetts	42,540	-	-	42,540
New Hampshire	-	-	-	-
Rhode Island	2,239	-	-	2,239
Vermont	-	-	-	-
Middle Atlantic	**211,669**	-	-	**211,669**
New Jersey	39,338	-	-	39,338
New York	172,068	-	-	172,068
Pennsylvania	264	-	-	264
East North Central	**11,247**	-	**15,859**	**27,106**
Illinois	5,111	-	-	5,111
Indiana	3,863	-	-	3,863
Michigan	388	-	15,859	16,247
Ohio	590	-	-	590
Wisconsin	1,295	-	-	1,295
West North Central	**21,058**	-	-	**21,058**
Iowa	2,009	-	-	2,009
Kansas	14,254	-	-	14,254
Minnesota	1,964	-	-	1,964
Missouri	606	-	-	606
Nebraska	2,224	-	-	2,224
North Dakota	*	-	-	*
South Dakota	-	-	-	-
South Atlantic	**183,434**	-	**2,014**	**185,448**
Delaware	4,244	-	1,842	6,087
District of Columbia	-	-	-	-
Florida	155,902	-	-	155,902
Georgia	626	-	-	626
Maryland	17,307	-	-	17,307
North Carolina	-	-	-	-
South Carolina	1,881	-	-	1,881
Virginia	3,345	-	172	3,517
West Virginia	129	-	-	129
East South Central	**38,538**	-	-	**38,538**
Alabama	1,556	-	-	1,556
Kentucky	320	-	-	320
Mississippi	36,663	-	-	36,663
Tennessee	-	-	-	-
West South Central	**1,375,525**	-	-	**1,375,525**
Arkansas	29,473	-	-	29,473
Louisiana	212,443	-	-	212,443
Oklahoma	150,296	-	-	150,296
Texas	983,314	-	-	983,314
Mountain	**80,436**	-	-	**80,436**
Arizona	28,420	-	-	28,420
Colorado	4,754	-	-	4,754
Idaho	-	-	-	-
Montana	330	-	-	330
Nevada	20,859	-	-	20,859
New Mexico	25,986	-	-	25,986
Utah	-	-	-	-
Wyoming	87	-	-	87
Pacific	**484,649**	-	-	**484,649**
California	484,649	-	-	484,649
Oregon	-	-	-	-
Washington	-	-	-	-
Pacific Noncontiguous	-	-	-	-
Alaska	-	-	-	-
Hawaii	-	-	-	-
Total	**2,454,633**	-	**17,873**	**2,472,506**

[1] Liquified 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 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 34. Receipts of Gas by Census Division and State, 1985-1989
(Thousand Mcf)

Census Division and State	1989	1988	1987	1986	1985
New England	**48,076**	**14,978**	**44,762**	**10,918**	**43,817**
Connecticut	3,297	1,260	7,370	740	1,562
Maine	-	-	-	-	-
Massachusetts	42,540	13,552	31,682	10,178	39,656
New Hampshire	-	-	-	-	-
Rhode Island	2,239	166	5,710	-	2,599
Vermont	-	-	-	-	-
Middle Atlantic	**211,669**	**176,698**	**218,018**	**156,460**	**216,673**
New Jersey	39,338	34,051	52,672	24,271	45,908
New York	172,068	142,255	165,095	131,959	170,715
Pennsylvania	264	392	251	231	49
East North Central	**27,106**	**22,216**	**15,302**	**17,701**	**13,833**
Illinois	5,111	4,521	2,419	5,487	4,959
Indiana	3,863	3,074	1,089	891	901
Michigan	16,247	13,141	10,400	10,019	6,805
Ohio	590	478	530	276	311
Wisconsin	1,295	1,003	864	1,027	857
West North Central	**21,058**	**22,480**	**19,343**	**15,999**	**21,009**
Iowa	2,009	3,844	2,638	1,241	1,666
Kansas	14,254	12,923	10,835	11,349	16,539
Minnesota	1,964	3,370	3,570	1,309	868
Missouri	606	702	858	749	949
Nebraska	2,224	1,640	1,438	1,351	987
North Dakota	*	1	4	-	-
South Dakota	-	-	-	-	-
South Atlantic	**185,448**	**138,859**	**170,015**	**150,689**	**151,743**
Delaware	6,087	1,304	7,856	1,667	7,325
District of Columbia	-	-	-	-	-
Florida	155,902	129,897	149,938	140,541	141,862
Georgia	626	1,334	805	5,787	792
Maryland	17,307	3,874	8,687	799	-
North Carolina	-	-	-	-	-
South Carolina	1,881	1,664	236	994	290
Virginia	3,517	700	2,404	743	1,333
West Virginia	129	86	88	157	141
East South Central	**38,538**	**29,958**	**37,609**	**45,660**	**52,013**
Alabama	1,556	1,080	858	687	976
Kentucky	320	400	319	414	1,081
Mississippi	36,663	28,478	36,431	44,559	49,955
Tennessee	-	-	-	-	-
West South Central	**1,375,525**	**1,402,134**	**1,455,725**	**1,540,621**	**1,632,960**
Arkansas	29,473	21,976	32,066	28,445	12,101
Louisiana	212,443	237,906	238,150	261,720	275,502
Oklahoma	150,296	151,747	155,820	175,574	177,199
Texas	983,314	990,506	1,029,689	1,074,882	1,168,158
Mountain	**80,436**	**46,002**	**40,891**	**40,075**	**53,440**
Arizona	28,420	11,179	13,931	15,654	21,250
Colorado	4,754	5,205	5,022	2,095	1,706
Idaho	-	-	-	-	-
Montana	330	281	477	407	447
Nevada	20,859	9,150	6,166	5,967	7,687
New Mexico	25,986	20,002	15,201	15,806	22,096
Utah	-	-	5	10	97
Wyoming	87	185	90	137	157
Pacific	**484,649**	**509,394**	**603,526**	**409,499**	**623,432**
California	484,649	509,394	603,526	409,499	623,432
Oregon	-	-	-	-	-
Washington	-	-	-	-	-
Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**2,472,506**	**2,362,721**	**2,605,191**	**2,387,622**	**2,808,921**

* = Number less than 0.5

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 35. Monthly Statistics of Coal by Census Division, 1989

Census Division	January	February	March	April	May	June
New England						
Receipts Purchased, 1,000 Short Tons	451	464	429	593	608	627
Total Heating Val, Billion Btu	11,781.8	12,214.9	11,254.2	15,504.5	15,794.7	16,380.5
Sulfur Content, % by Weight	1.3	1.3	1.2	1.2	1.3	1.2
Avg. Cost, Cents per Million Btu	172.4	169.5	169.2	164.4	160.7	165.0
Total Est. Coal Bill, $1,000	20,316.6	20,708.8	19,043.3	25,489.7	25,388.1	27,033.1
Middle Atlantic						
Receipts Purchased, 1,000 Short Tons	4,976	4,493	4,832	4,791	4,836	4,137
Total Heating Val, Billion Btu	124,214.9	111,931.0	120,288.4	119,399.0	120,651.8	102,930.0
Sulfur Content, % by Weight	1.9	2.0	2.0	1.9	2.0	2.0
Avg. Cost, Cents per Million Btu	146.2	148.8	144.3	145.1	146.4	154.3
Total Est. Coal Bill, $1,000	181,576.2	166,497.8	173,531.5	173,241.6	176,638.2	158,802.2
East North Central						
Receipts Purchased, 1,000 Short Tons	11,960	11,268	13,120	13,576	14,030	12,596
Total Heating Val, Billion Btu	266,801.0	253,927.4	292,358.5	301,065.7	310,494.7	278,704.3
Sulfur Content, % by Weight	2.0	2.1	2.0	1.8	1.8	1.8
Avg. Cost, Cents per Million Btu	155.8	155.0	155.3	152.7	154.5	154.5
Total Est. Coal Bill, $1,000	415,568.6	393,636.4	454,092.4	459,732.6	479,735.6	430,677.5
West North Central						
Receipts Purchased, 1,000 Short Tons	8,985	6,958	8,499	8,256	8,418	8,664
Total Heating Val, Billion Btu	154,262.7	118,953.3	147,474.5	143,439.8	148,484.5	151,603.4
Sulfur Content, % by Weight	1.0	1.0	1.0	1.0	1.1	1.1
Avg. Cost, Cents per Million Btu	110.7	114.0	114.8	117.3	119.3	118.0
Total Est. Coal Bill, $1,000	170,715.6	135,665.0	169,342.6	168,186.2	177,190.9	178,863.5
South Atlantic						
Receipts Purchased, 1,000 Short Tons	10,602	10,525	11,023	10,496	11,410	10,560
Total Heating Val, Billion Btu	263,245.0	261,338.8	274,064.3	261,841.1	283,860.4	262,180.8
Sulfur Content, % by Weight	1.5	1.5	1.5	1.5	1.5	1.5
Avg. Cost, Cents per Million Btu	162.8	162.9	163.4	163.5	164.7	163.9
Total Est. Coal Bill, $1,000	428,687.5	425,836.9	447,850.3	428,062.3	467,425.8	429,749.6
East South Central						
Receipts Purchased, 1,000 Short Tons	6,391	5,946	6,657	6,310	6,789	5,817
Total Heating Val, Billion Btu	151,490.9	140,535.4	157,461.9	149,131.8	160,373.2	137,577.2
Sulfur Content, % by Weight	2.1	2.0	2.1	2.2	2.2	2.2
Avg. Cost, Cents per Million Btu	144.0	144.1	143.2	141.6	141.8	141.9
Total Est. Coal Bill, $1,000	218,120.1	202,568.4	225,481.7	211,158.4	227,375.3	195,177.5
West South Central						
Receipts Purchased, 1,000 Short Tons	10,492	9,029	9,838	9,783	10,251	10,517
Total Heating Val, Billion Btu	161,846.9	138,151.9	150,432.1	151,642.8	158,405.6	161,577.0
Sulfur Content, % by Weight	.6	.6	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	147.6	149.0	150.3	142.8	149.1	148.4
Total Est. Coal Bill, $1,000	238,889.5	205,897.8	226,137.2	216,497.7	236,203.7	239,718.1
Mountain						
Receipts Purchased, 1,000 Short Tons	8,099	7,481	8,331	7,739	8,009	7,908
Total Heating Val, Billion Btu	155,622.9	145,709.5	162,895.5	149,999.9	156,321.2	156,304.2
Sulfur Content, % by Weight	.5	.5	.5	.5	.6	.5
Avg. Cost, Cents per Million Btu	105.6	112.1	112.9	114.6	112.9	116.7
Total Est. Coal Bill, $1,000	164,396.7	163,281.6	183,968.4	171,913.1	176,509.5	182,475.7
Pacific						
Receipts Purchased, 1,000 Short Tons	486	470	488	532	444	445
Total Heating Val, Billion Btu	7,927.4	7,638.9	7,963.4	8,672.0	7,227.9	7,248.0
Sulfur Content, % by Weight	.6	.7	.6	.6	.8	.7
Avg. Cost, Cents per Million Btu	153.9	156.4	154.7	148.5	156.4	155.8
Total Est. Coal Bill, $1,000	12,197.4	11,947.8	12,321.2	12,877.1	11,307.6	11,291.9
Pacific Noncontiguous						
Receipts Purchased, 1,000 Short Tons	-	-	-	-	-	-
Total Heating Val, Billion Btu	-	-	-	-	-	-
Sulfur Content, % by Weight	-	-	-	-	-	-
Avg. Cost, Cents per Million Btu	-	-	-	-	-	-
Total Est. Coal Bill, $1,000	-	-	-	-	-	-
Total						
Receipts Purchased, 1,000 Short Tons	62,443	56,634	63,218	62,076	64,796	61,272
Total Heating Val, Billion Btu	1,297,193.4	1,190,400.9	1,324,193.0	1,300,696.6	1,361,613.9	1,274,505.4
Sulfur Content, % by Weight	1.3	1.4	1.3	1.3	1.4	1.3
Avg. Cost, Cents per Million Btu	142.7	145.0	144.4	143.6	145.3	145.5
Total Est. Coal Bill, $1,000	1,850,468.2	1,726,040.5	1,911,768.6	1,867,158.7	1,977,774.8	1,853,789.0

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 35. Monthly Statistics of Coal by Census Division, 1989 (Continued)

Census Division	July	August	September	October	November	December	12-Month Total
New England							
Receipts Purchased, 1,000 Short Tons	498	409	475	674	552	545	6,326
Total Heating Val, Billion Btu	13,089.6	10,783.4	12,456.9	17,687.5	14,593.5	14,326.9	165,868.5
Sulfur Content, % by Weight	1.2	1.3	1.3	1.3	1.3	1.2	1.3
Avg. Cost, Cents per Million Btu	172.5	176.9	173.6	171.7	174.9	172.0	169.9
Total Est. Coal Bill, $1,000	22,581.3	19,075.1	21,626.5	30,374.3	25,521.0	24,639.6	281,797.5
Middle Atlantic							
Receipts Purchased, 1,000 Short Tons	3,359	5,221	4,600	5,256	4,984	4,483	55,969
Total Heating Val, Billion Btu	83,314.2	129,704.3	113,905.9	130,176.9	123,651.0	111,446.5	1,391,614.0
Sulfur Content, % by Weight	2.0	1.9	1.9	1.9	1.9	1.9	1.9
Avg. Cost, Cents per Million Btu	151.8	149.4	149.4	149.9	150.4	153.0	148.9
Total Est. Coal Bill, $1,000	126,481.0	193,814.6	170,204.3	195,113.1	185,932.8	170,531.0	2,072,364.3
East North Central							
Receipts Purchased, 1,000 Short Tons	11,357	15,858	14,906	15,166	14,627	13,199	161,663
Total Heating Val, Billion Btu	246,845.5	347,467.3	328,851.6	331,348.1	321,103.9	291,736.3	3,570,704.2
Sulfur Content, % by Weight	1.7	1.8	1.8	1.7	1.8	1.8	1.8
Avg. Cost, Cents per Million Btu	155.6	155.2	154.1	153.2	153.4	154.0	154.4
Total Est. Coal Bill, $1,000	384,193.4	539,313.1	506,648.7	507,469.1	492,686.7	449,264.5	5,513,018.5
West North Central							
Receipts Purchased, 1,000 Short Tons	8,157	9,193	8,374	8,470	8,940	7,985	100,899
Total Heating Val, Billion Btu	140,175.5	160,915.2	147,068.2	149,751.8	154,498.0	134,235.3	1,750,862.0
Sulfur Content, % by Weight	.9	1.0	1.0	1.0	1.1	.9	1.0
Avg. Cost, Cents per Million Btu	115.9	115.6	115.2	114.5	110.7	106.3	114.4
Total Est. Coal Bill, $1,000	162,469.1	185,961.5	169,437.6	171,413.6	171,073.0	142,659.7	2,002,978.3
South Atlantic							
Receipts Purchased, 1,000 Short Tons	8,233	11,778	10,911	11,960	11,295	9,526	128,322
Total Heating Val, Billion Btu	204,531.2	292,618.5	270,009.6	297,186.6	280,666.6	236,383.6	3,187,926.4
Sulfur Content, % by Weight	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Avg. Cost, Cents per Million Btu	165.9	168.2	168.8	166.4	166.1	166.9	165.3
Total Est. Coal Bill, $1,000	339,225.9	492,169.6	455,903.0	494,427.5	466,261.4	394,588.0	5,270,187.9
East South Central							
Receipts Purchased, 1,000 Short Tons	4,738	6,308	6,063	6,612	6,421	5,744	73,798
Total Heating Val, Billion Btu	111,892.0	148,759.2	143,032.8	154,586.1	151,497.5	135,288.0	1,741,625.9
Sulfur Content, % by Weight	2.2	2.3	2.3	2.3	2.2	2.2	2.2
Avg. Cost, Cents per Million Btu	147.7	141.4	142.6	139.8	145.2	143.3	142.9
Total Est. Coal Bill, $1,000	165,216.7	210,313.5	204,001.1	216,101.7	219,992.0	193,834.7	2,489,341.2
West South Central							
Receipts Purchased, 1,000 Short Tons	10,923	11,465	10,522	9,405	9,832	9,867	121,925
Total Heating Val, Billion Btu	167,123.5	176,284.5	161,355.4	146,785.5	151,215.2	150,894.7	1,875,715.0
Sulfur Content, % by Weight	.6	.6	.6	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	145.7	145.8	150.0	154.4	145.2	141.8	147.5
Total Est. Coal Bill, $1,000	243,499.6	257,054.4	242,026.5	226,589.9	219,595.4	213,980.4	2,766,090.2
Mountain							
Receipts Purchased, 1,000 Short Tons	7,719	9,479	8,241	8,575	8,447	8,681	98,709
Total Heating Val, Billion Btu	151,500.2	186,296.2	163,312.6	167,810.9	164,503.2	168,607.8	1,928,884.3
Sulfur Content, % by Weight	.6	.6	.5	.6	.5	.6	.5
Avg. Cost, Cents per Million Btu	110.4	109.5	113.9	111.3	110.6	109.1	111.6
Total Est. Coal Bill, $1,000	167,209.8	203,917.8	185,970.8	186,788.3	181,940.6	183,900.7	2,152,272.9
Pacific							
Receipts Purchased, 1,000 Short Tons	445	435	446	459	472	484	5,606
Total Heating Val, Billion Btu	7,245.7	7,068.7	7,254.4	7,611.9	7,706.0	7,938.6	91,503.1
Sulfur Content, % by Weight	.7	.7	.6	.7	.6	.7	.7
Avg. Cost, Cents per Million Btu	155.9	155.6	158.5	157.4	159.9	155.6	155.6
Total Est. Coal Bill, $1,000	11,295.9	10,997.0	11,497.7	11,982.4	12,318.8	12,355.5	142,390.3
Pacific Noncontiguous							
Receipts Purchased, 1,000 Short Tons	-	-	-	-	-	-	-
Total Heating Val, Billion Btu	-	-	-	-	-	-	-
Sulfur Content, % by Weight	-	-	-	-	-	-	-
Avg. Cost, Cents per Million Btu	-	-	-	-	-	-	-
Total Est. Coal Bill, $1,000	-	-	-	-	-	-	-
Total							
Receipts Purchased, 1,000 Short Tons	55,429	70,147	64,539	66,578	65,570	60,515	753,217
Total Heating Val, Billion Btu	1,125,717.5	1,459,897.4	1,347,247.4	1,402,945.2	1,369,435.0	1,250,857.8	15,704,703.4
Sulfur Content, % by Weight	1.2	1.3	1.3	1.4	1.3	1.3	1.3
Avg. Cost, Cents per Million Btu	144.1	144.7	146.0	145.4	144.2	142.8	144.5
Total Est. Coal Bill, $1,000	1,622,172.6	2,112,616.7	1,967,316.3	2,040,259.9	1,975,321.8	1,785,754.1	22,690,441.1

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 36. Monthly Statistics of Petroleum by Census Division, 1989

Census Division	January	February	March	April	May	June
New England						
Receipts Purchased, 1,000 Bbls	6,764	5,852	7,124	5,082	4,534	3,987
Total Heating Val, Billion Btu	42,507.7	36,823.3	44,987.8	32,159.0	28,822.2	25,250.9
Sulfur Content, % by Weight	1.3	1.3	1.3	1.3	1.4	1.5
Avg. Cost, Cents per Million Btu	248.6	229.2	256.8	297.4	290.9	268.3
Total Est. Oil Bill, $1,000	105,677.6	84,388.6	115,507.8	95,640.4	83,852.1	67,760.3
Middle Atlantic						
Receipts Purchased, 1,000 Bbls	11,548	9,022	7,743	6,436	6,045	6,524
Total Heating Val, Billion Btu	72,414.6	56,476.9	48,526.5	40,626.7	38,190.4	41,096.8
Sulfur Content, % by Weight	.6	.6	.6	.7	.8	.7
Avg. Cost, Cents per Million Btu	282.2	264.8	288.6	314.3	308.1	277.8
Total Est. Oil Bill, $1,000	204,374.7	149,559.9	140,031.8	127,692.7	117,675.9	114,152.4
East North Central						
Receipts Purchased, 1,000 Bbls	856	226	360	425	623	457
Total Heating Val, Billion Btu	5,274.8	1,384.3	2,205.0	2,634.3	3,795.5	2,805.0
Sulfur Content, % by Weight	.7	.7	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	295.4	290.7	326.6	343.3	355.7	337.5
Total Est. Oil Bill, $1,000	15,584.0	4,024.5	7,201.7	9,042.1	13,498.9	9,466.5
West North Central						
Receipts Purchased, 1,000 Bbls	17	32	27	46	57	38
Total Heating Val, Billion Btu	98.4	188.1	164.0	275.6	348.1	228.3
Sulfur Content, % by Weight	.2	.2	1.6	.7	.7	.6
Avg. Cost, Cents per Million Btu	395.5	376.4	308.5	350.4	302.9	327.8
Total Est. Oil Bill, $1,000	389.1	708.0	505.8	965.7	1,054.6	748.6
South Atlantic						
Receipts Purchased, 1,000 Bbls	5,941	3,095	4,909	6,553	7,563	6,919
Total Heating Val, Billion Btu	37,258.5	19,526.5	30,881.3	41,328.0	47,512.3	43,606.2
Sulfur Content, % by Weight	1.2	1.2	1.1	1.2	1.1	1.2
Avg. Cost, Cents per Million Btu	253.1	246.1	257.1	295.5	302.8	277.1
Total Est. Oil Bill, $1,000	94,296.0	48,048.8	79,402.6	122,107.4	143,849.3	120,840.1
East South Central						
Receipts Purchased, 1,000 Bbls	114	366	194	207	192	106
Total Heating Val, Billion Btu	694.0	2,298.1	1,205.6	1,298.0	1,198.1	646.6
Sulfur Content, % by Weight	1.7	2.6	2.3	2.5	2.3	1.7
Avg. Cost, Cents per Million Btu	337.9	264.6	281.3	278.9	288.2	316.5
Total Est. Oil Bill, $1,000	2,345.0	6,080.1	3,391.4	3,620.3	3,452.6	2,046.4
West South Central						
Receipts Purchased, 1,000 Bbls	36	590	328	44	71	35
Total Heating Val, Billion Btu	212.0	3,568.1	1,949.5	259.0	411.2	202.3
Sulfur Content, % by Weight	.4	.4	.4	.3	.4	.4
Avg. Cost, Cents per Million Btu	366.5	332.9	396.9	373.4	392.1	368.2
Total Est. Oil Bill, $1,000	776.9	11,878.3	7,737.4	967.3	1,612.4	744.8
Mountain						
Receipts Purchased, 1,000 Bbls	158	139	111	85	87	115
Total Heating Val, Billion Btu	969.2	848.3	675.2	519.4	525.0	675.6
Sulfur Content, % by Weight	.6	.6	.6	.7	.5	.3
Avg. Cost, Cents per Million Btu	251.1	298.6	304.3	314.9	366.8	402.3
Total Est. Oil Bill, $1,000	2,433.8	2,532.6	2,054.2	1,635.3	1,926.1	2,718.0
Pacific						
Receipts Purchased, 1,000 Bbls	349	962	1,773	462	1,224	164
Total Heating Val, Billion Btu	2,197.9	5,899.1	10,803.9	2,788.6	7,471.1	1,022.0
Sulfur Content, % by Weight	.8	.5	.3	.1	.2	.3
Avg. Cost, Cents per Million Btu	241.8	263.8	304.9	354.0	376.5	361.6
Total Est. Oil Bill, $1,000	5,313.5	15,563.8	32,936.7	9,872.5	28,127.3	3,695.9
Pacific Noncontiguous						
Receipts Purchased, 1,000 Bbls	731	893	630	952	815	1,009
Total Heating Val, Billion Btu	4,534.1	5,578.8	3,944.0	5,937.7	5,073.8	6,311.0
Sulfur Content, % by Weight	.5	.5	.5	.5	.5	.4
Avg. Cost, Cents per Million Btu	287.9	298.4	314.0	321.6	365.1	368.1
Total Est. Oil Bill, $1,000	13,055.2	16,648.7	12,383.8	19,098.5	18,525.7	23,234.0
Total						
Receipts Purchased, 1,000 Bbls	26,516	21,179	23,199	20,292	21,211	19,354
Total Heating Val, Billion Btu	166,161.1	132,591.5	145,342.7	127,826.3	133,347.9	121,844.7
Sulfur Content, % by Weight	.9	.9	.9	1.0	1.0	1.0
Avg. Cost, Cents per Million Btu	267.4	256.0	276.0	305.6	310.1	283.5
Total Est. Oil Bill, $1,000	444,245.8	339,433.2	401,153.2	390,642.1	413,574.9	345,407.0

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 36. Monthly Statistics of Petroleum by Census Division, 1989 (Continued)

Census Division	July	August	September	October	November	December	12-Month Total
New England							
Receipts Purchased, 1,000 Bbls	4,207	4,123	3,275	2,888	4,637	6,467	58,939
Total Heating Val, Billion Btu	26,742.2	26,166.6	20,817.2	18,362.9	29,435.8	40,931.8	373,007.4
Sulfur Content, % by Weight	1.3	1.5	1.5	1.6	1.3	1.3	1.3
Avg. Cost, Cents per Million Btu	266.9	254.1	249.0	268.1	277.1	320.1	269.2
Total Est. Oil Bill, $1,000	71,371.4	66,477.9	51,835.9	49,230.5	81,559.3	131,014.9	1,004,316.6
Middle Atlantic							
Receipts Purchased, 1,000 Bbls	7,538	7,796	4,894	5,782	6,588	9,859	89,777
Total Heating Val, Billion Btu	47,467.3	49,191.9	30,885.9	36,360.0	41,439.9	61,611.1	564,288.0
Sulfur Content, % by Weight	.7	.7	.9	.8	.7	.5	.7
Avg. Cost, Cents per Million Btu	278.9	265.4	267.5	297.3	299.7	389.1	296.1
Total Est. Oil Bill, $1,000	132,380.8	130,540.5	82,630.2	108,107.7	124,200.6	239,749.6	1,671,096.8
East North Central							
Receipts Purchased, 1,000 Bbls	704	720	358	362	444	474	6,009
Total Heating Val, Billion Btu	4,330.2	4,397.2	2,207.3	2,208.8	2,700.7	2,874.0	36,816.9
Sulfur Content, % by Weight	.7	.7	.6	.6	.5	.6	.6
Avg. Cost, Cents per Million Btu	337.4	338.9	363.7	364.2	375.8	403.2	342.6
Total Est. Oil Bill, $1,000	14,609.9	14,902.2	8,027.0	8,044.2	10,149.7	11,587.6	126,138.2
West North Central							
Receipts Purchased, 1,000 Bbls	32	32	24	37	33	66	443
Total Heating Val, Billion Btu	193.9	194.4	145.3	216.8	200.8	394.1	2,647.8
Sulfur Content, % by Weight	.8	.8	.7	.5	1.1	.6	.7
Avg. Cost, Cents per Million Btu	402.4	341.1	357.2	463.6	326.2	450.8	369.0
Total Est. Oil Bill, $1,000	780.2	663.0	519.0	1,005.0	654.9	1,776.7	9,770.8
South Atlantic							
Receipts Purchased, 1,000 Bbls	6,749	6,099	4,649	4,909	3,447	2,552	63,386
Total Heating Val, Billion Btu	42,462.9	38,339.6	29,379.0	31,097.9	21,796.4	15,976.5	399,165.0
Sulfur Content, % by Weight	1.1	1.1	1.2	1.0	1.2	1.0	1.1
Avg. Cost, Cents per Million Btu	266.0	261.8	256.9	288.1	287.6	361.6	277.4
Total Est. Oil Bill, $1,000	112,959.8	100,388.4	75,466.6	89,589.7	62,684.1	57,778.2	1,107,411.0
East South Central							
Receipts Purchased, 1,000 Bbls	73	75	38	50	130	202	1,748
Total Heating Val, Billion Btu	439.7	456.9	223.7	291.3	811.3	1,250.7	10,813.9
Sulfur Content, % by Weight	1.4	1.4	.4	.3	2.2	2.1	2.1
Avg. Cost, Cents per Million Btu	337.0	337.7	468.2	488.1	310.7	348.7	308.0
Total Est. Oil Bill, $1,000	1,481.8	1,542.6	1,047.3	1,421.8	2,520.4	4,360.5	33,310.2
West South Central							
Receipts Purchased, 1,000 Bbls	33	154	264	266	514	1,046	3,381
Total Heating Val, Billion Btu	192.9	897.5	1,560.6	1,591.3	3,206.2	6,270.0	20,320.3
Sulfur Content, % by Weight	.4	.4	.5	.5	.5	.5	.5
Avg. Cost, Cents per Million Btu	370.1	375.8	358.0	369.6	335.8	417.2	375.0
Total Est. Oil Bill, $1,000	713.9	3,372.7	5,586.8	5,880.5	10,767.5	26,160.5	76,199.0
Mountain							
Receipts Purchased, 1,000 Bbls	94	74	62	114	88	137	1,264
Total Heating Val, Billion Btu	565.0	449.2	373.2	693.5	537.5	840.2	7,671.2
Sulfur Content, % by Weight	.5	.6	.5	.6	.6	.7	.6
Avg. Cost, Cents per Million Btu	346.6	346.2	412.8	398.0	399.9	358.8	342.6
Total Est. Oil Bill, $1,000	1,958.2	1,555.4	1,540.3	2,760.0	2,149.6	3,014.7	26,278.0
Pacific							
Receipts Purchased, 1,000 Bbls	6	701	899	1,268	1,027	2,335	11,170
Total Heating Val, Billion Btu	36.1	4,351.0	5,534.7	7,774.2	6,333.7	14,455.2	68,667.6
Sulfur Content, % by Weight	.3	.4	.2	.2	.5	.5	.4
Avg. Cost, Cents per Million Btu	394.5	277.6	299.9	315.4	282.7	309.1	307.9
Total Est. Oil Bill, $1,000	142.3	12,079.9	16,598.1	24,519.9	17,908.4	44,680.0	211,438.4
Pacific Noncontiguous							
Receipts Purchased, 1,000 Bbls	927	787	1,147	818	693	902	10,306
Total Heating Val, Billion Btu	5,828.9	4,953.4	7,176.3	5,062.5	4,316.1	5,649.8	64,366.5
Sulfur Content, % by Weight	.5	.5	.5	.4	.5	.4	.5
Avg. Cost, Cents per Million Btu	359.7	331.0	317.6	313.4	315.6	340.1	329.1
Total Est. Oil Bill, $1,000	20,967.9	16,397.1	22,789.8	15,864.2	13,621.8	19,217.7	211,804.4
Total							
Receipts Purchased, 1,000 Bbls	20,364	20,563	15,609	16,495	17,602	24,040	246,422
Total Heating Val, Billion Btu	128,259.0	129,397.5	98,303.1	103,659.1	110,778.4	150,253.4	1,547,764.8
Sulfur Content, % by Weight	.9	1.0	1.0	.9	.9	.8	.9
Avg. Cost, Cents per Million Btu	278.6	268.9	270.6	295.6	294.5	359.0	289.3
Total Est. Oil Bill, $1,000	357,366.3	347,919.8	266,041.2	306,423.4	326,216.2	539,340.4	4,477,763.5

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 37. Monthly Statistics of Gas by Census Division, 1989

Census Division	January	February	March	April	May	June
New England						
Qnty Purchased: Firm 1,000 Mcf	12	4	1,265	4,028	2,756	86
Interruptible 1,000 Mcf[1]	3	23	325	1,313	2,629	5,676
Total 1,000 Mcf	15	27	1,590	5,340	5,385	5,762
Total Heating Val, Billion Btu	15.2	27.1	1,683.5	5,572.4	5,559.9	6,008.9
Avg. Cost, Cents per Million Btu	494.8	315.0	243.0	232.8	266.1	250.1
Total Est. Gas Bill, $1,000	75.2	85.4	4,090.4	12,972.9	14,793.0	15,030.2
Middle Atlantic						
Qnty Purchased: Firm 1,000 Mcf	232	1,136	6,651	8,164	10,057	8,141
Interruptible 1,000 Mcf[1]	1,888	2,501	10,252	16,978	16,311	19,888
Total 1,000 Mcf	2,120	3,637	16,903	25,142	26,368	28,029
Total Heating Val, Billion Btu	2,160.0	3,695.8	17,358.4	25,814.5	27,057.5	28,796.3
Avg. Cost, Cents per Million Btu	294.5	276.7	246.8	234.8	240.8	240.3
Total Est. Gas Bill, $1,000	6,360.2	10,225.8	42,834.8	60,613.1	65,167.8	69,195.7
East North Central						
Qnty Purchased: Firm 1,000 Mcf	504	600	512	550	742	241
Interruptible 1,000 Mcf[1]	2,157	2,110	1,818	2,125	2,055	2,409
Total 1,000 Mcf	2,661	2,710	2,329	2,676	2,797	2,649
Total Heating Val, Billion Btu	1,084.4	1,095.9	1,075.4	1,103.9	1,402.6	1,311.6
Avg. Cost, Cents per Million Btu	293.8	302.4	273.8	262.2	298.1	324.5
Total Est. Gas Bill, $1,000	3,185.7	3,313.8	2,944.4	2,894.3	4,181.7	4,255.8
West North Central						
Qnty Purchased: Firm 1,000 Mcf	83	78	76	69	81	84
Interruptible 1,000 Mcf[1]	797	965	1,058	1,460	1,141	2,203
Total 1,000 Mcf	880	1,043	1,134	1,529	1,222	2,287
Total Heating Val, Billion Btu	867.3	1,024.2	1,121.5	1,486.7	1,202.0	2,200.4
Avg. Cost, Cents per Million Btu	267.7	251.0	229.0	234.3	231.4	193.9
Total Est. Gas Bill, $1,000	2,321.4	2,570.4	2,568.7	3,483.1	2,781.8	4,267.0
South Atlantic						
Qnty Purchased: Firm 1,000 Mcf	8,881	7,413	8,573	9,193	9,340	8,907
Interruptible 1,000 Mcf[1]	1,747	2,541	6,104	9,682	9,009	9,434
Total 1,000 Mcf	10,627	9,954	14,678	18,875	18,348	18,341
Total Heating Val, Billion Btu	10,711.3	10,060.9	14,906.2	19,183.3	18,688.3	18,752.6
Avg. Cost, Cents per Million Btu	237.3	235.1	228.3	258.5	274.9	250.3
Total Est. Gas Bill, $1,000	25,417.0	23,650.3	34,033.2	49,597.1	51,374.6	46,944.2
East South Central						
Qnty Purchased: Firm 1,000 Mcf	480	396	393	487	745	754
Interruptible 1,000 Mcf[1]	288	491	1,839	2,334	4,938	4,061
Total 1,000 Mcf	768	887	2,232	2,821	5,683	4,814
Total Heating Val, Billion Btu	791.4	906.3	2,291.1	2,891.3	5,807.2	4,931.4
Avg. Cost, Cents per Million Btu	220.6	203.8	166.2	166.8	181.3	190.7
Total Est. Gas Bill, $1,000	1,745.6	1,847.3	3,808.1	4,821.3	10,530.2	9,405.6
West South Central						
Qnty Purchased: Firm 1,000 Mcf	62,896	78,868	74,750	75,713	106,120	97,198
Interruptible 1,000 Mcf[1]	13,332	17,520	27,946	33,876	28,169	27,899
Total 1,000 Mcf	76,228	96,388	102,696	109,590	134,289	125,097
Total Heating Val, Billion Btu	78,974.9	99,513.5	106,134.2	113,254.2	138,815.0	129,810.7
Avg. Cost, Cents per Million Btu	238.5	221.2	205.7	207.0	211.0	212.5
Total Est. Gas Bill, $1,000	188,364.9	220,167.1	218,286.8	234,464.4	292,916.0	275,871.7
Mountain						
Qnty Purchased: Firm 1,000 Mcf	2,238	1,298	617	913	1,127	2,649
Interruptible 1,000 Mcf[1]	2,662	2,303	4,116	7,470	5,515	4,400
Total 1,000 Mcf	4,901	3,602	4,732	8,383	6,642	7,048
Total Heating Val, Billion Btu	4,957.6	3,661.8	4,857.8	8,579.1	6,789.9	7,287.8
Avg. Cost, Cents per Million Btu	232.9	210.7	200.6	194.7	215.7	218.3
Total Est. Gas Bill, $1,000	11,544.2	7,715.9	9,745.5	16,699.9	14,645.4	15,906.1
Pacific						
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	26,372	32,702	34,374	33,045	26,124	39,983
Total 1,000 Mcf	26,372	32,702	34,374	33,045	26,124	39,983
Total Heating Val, Billion Btu	27,352.2	33,964.9	35,660.6	34,239.4	27,103.4	41,611.7
Avg. Cost, Cents per Million Btu	321.1	281.2	279.0	265.6	305.8	283.0
Total Est. Gas Bill, $1,000	87,823.5	95,520.6	99,495.3	90,946.7	82,872.7	117,758.9
Pacific Noncontiguous						
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	-	-	-	-	-	-
Total 1,000 Mcf	-	-	-	-	-	-
Total Heating Val, Billion Btu	-	-	-	-	-	-
Avg. Cost, Cents per Million Btu	-	-	-	-	-	-
Total Est. Gas Bill, $1,000	-	-	-	-	-	-
Total						
Qnty Purchased: Firm 1,000 Mcf	75,325	89,792	92,837	99,117	130,967	118,058
Interruptible 1,000 Mcf[1]	49,246	61,158	87,832	108,283	95,892	115,952
Total 1,000 Mcf	124,572	150,950	180,668	207,401	226,859	234,010
Total Heating Val, Billion Btu	126,914.2	153,950.5	185,088.6	212,124.8	232,425.8	240,711.5
Avg. Cost, Cents per Million Btu	257.5	237.2	225.7	224.6	232.0	232.1
Total Est. Gas Bill, $1,000	326,837.7	365,096.6	417,807.1	476,492.8	539,263.2	558,635.3

[1] Includes Off-Peak Gas.

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 37. Monthly Statistics of Gas by Census Division, 1989 (Continued)

Census Division	July	August	September	October	November	December	12-Month Total
New England							
Qnty Purchased: Firm 1,000 Mcf	120	119	59	142	47	1	8,638
Interruptible 1,000 Mcf[1]	6,664	5,752	7,039	8,867	1,140	6	39,437
Total 1,000 Mcf	6,784	5,871	7,098	9,009	1,187	7	48,076
Total Heating Val, Billion Btu	7,087.4	6,030.2	7,505.3	9,518.4	1,281.6	7.3	50,297.1
Avg. Cost, Cents per Million Btu	235.4	235.5	220.2	233.2	255.1	575.8	238.5
Total Est. Gas Bill, $1,000	16,686.8	14,202.6	16,525.5	22,198.4	3,269.1	42.3	119,971.7
Middle Atlantic							
Qnty Purchased: Firm 1,000 Mcf	10,159	10,530	8,583	8,692	3,523	153	76,021
Interruptible 1,000 Mcf[1]	18,194	16,031	13,377	10,614	6,688	2,928	135,648
Total 1,000 Mcf	28,353	26,561	21,960	19,306	10,211	3,081	211,669
Total Heating Val, Billion Btu	29,180.4	27,438.9	22,644.1	19,981.0	10,555.3	3,186.3	217,868.5
Avg. Cost, Cents per Million Btu	234.0	226.4	216.6	230.5	262.0	303.3	237.4
Total Est. Gas Bill, $1,000	68,267.5	62,121.7	49,036.3	46,047.7	27,655.3	9,664.3	517,190.3
East North Central							
Qnty Purchased: Firm 1,000 Mcf	427	238	281	266	433	560	5,354
Interruptible 1,000 Mcf[1]	2,186	1,512	1,686	1,092	1,261	1,341	21,752
Total 1,000 Mcf	2,613	1,751	1,967	1,358	1,694	1,901	27,106
Total Heating Val, Billion Btu	1,235.3	824.9	782.8	733.9	901.8	1,163.9	12,716.5
Avg. Cost, Cents per Million Btu	258.5	286.2	267.8	252.9	265.3	315.0	285.8
Total Est. Gas Bill, $1,000	3,193.2	2,360.6	2,096.6	1,856.4	2,392.2	3,665.8	36,340.4
West North Central							
Qnty Purchased: Firm 1,000 Mcf	110	129	112	73	68	94	1,056
Interruptible 1,000 Mcf[1]	4,043	3,948	1,267	1,088	1,141	888	20,001
Total 1,000 Mcf	4,153	4,077	1,379	1,162	1,210	982	21,058
Total Heating Val, Billion Btu	4,013.5	3,991.8	1,365.6	1,146.3	1,187.0	974.0	20,580.4
Avg. Cost, Cents per Million Btu	186.4	181.8	211.4	212.2	235.2	276.5	211.5
Total Est. Gas Bill, $1,000	7,481.0	7,255.9	2,886.3	2,432.1	2,792.3	2,692.9	43,532.9
South Atlantic							
Qnty Purchased: Firm 1,000 Mcf	2,383	952	1,526	917	199	94	58,377
Interruptible 1,000 Mcf[1]	17,072	18,755	16,723	16,417	11,387	8,201	127,071
Total 1,000 Mcf	19,455	19,707	18,249	17,335	11,586	8,295	185,448
Total Heating Val, Billion Btu	19,833.4	20,076.7	18,519.9	17,637.7	11,688.8	8,413.1	188,472.2
Avg. Cost, Cents per Million Btu	257.8	232.4	221.7	249.5	242.9	298.1	248.0
Total Est. Gas Bill, $1,000	51,138.7	46,655.8	41,058.3	44,008.1	28,396.0	25,077.7	467,351.0
East South Central							
Qnty Purchased: Firm 1,000 Mcf	706	1,172	695	750	763	692	8,032
Interruptible 1,000 Mcf[1]	5,146	4,685	2,837	2,496	548	843	30,507
Total 1,000 Mcf	5,852	5,857	3,532	3,246	1,310	1,535	38,538
Total Heating Val, Billion Btu	5,995.8	6,007.9	3,610.7	3,329.6	1,346.5	1,581.4	39,490.6
Avg. Cost, Cents per Million Btu	188.4	184.6	174.2	177.9	201.5	240.7	185.6
Total Est. Gas Bill, $1,000	11,295.6	11,089.9	6,290.4	5,921.8	2,713.4	3,807.1	73,276.3
West South Central							
Qnty Purchased: Firm 1,000 Mcf	110,480	118,010	94,362	81,425	62,093	80,622	1,042,538
Interruptible 1,000 Mcf[1]	38,812	39,248	28,291	30,230	25,300	22,363	332,988
Total 1,000 Mcf	149,292	157,259	122,653	111,655	87,393	102,986	1,375,525
Total Heating Val, Billion Btu	154,760.5	163,293.1	127,519.6	115,964.6	90,691.6	106,794.1	1,425,526.0
Avg. Cost, Cents per Million Btu	217.5	215.4	200.3	207.3	216.5	247.5	215.7
Total Est. Gas Bill, $1,000	336,530.1	351,724.1	255,451.9	240,381.2	196,353.8	264,347.5	3,074,859.6
Mountain							
Qnty Purchased: Firm 1,000 Mcf	3,516	2,342	2,058	1,399	1,130	1,091	20,378
Interruptible 1,000 Mcf[1]	6,429	6,648	6,366	5,283	5,051	3,814	60,057
Total 1,000 Mcf	9,946	8,991	8,424	6,682	6,181	4,905	80,436
Total Heating Val, Billion Btu	10,351.5	9,300.5	8,665.2	6,919.4	6,396.0	5,070.4	82,837.1
Avg. Cost, Cents per Million Btu	215.3	213.0	210.1	215.3	233.7	267.0	217.2
Total Est. Gas Bill, $1,000	22,285.5	19,808.4	18,206.4	14,898.2	14,947.9	13,538.6	179,942.0
Pacific							
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	58,669	52,409	54,433	60,876	41,590	24,070	484,649
Total 1,000 Mcf	58,669	52,409	54,433	60,876	41,590	24,070	484,649
Total Heating Val, Billion Btu	61,070.8	54,530.3	56,745.8	63,299.6	43,208.6	25,006.6	503,793.8
Avg. Cost, Cents per Million Btu	275.1	287.9	292.6	276.0	315.9	385.5	292.4
Total Est. Gas Bill, $1,000	168,013.4	157,013.3	166,034.5	174,703.2	136,495.8	96,390.2	1,473,068.0
Pacific Noncontiguous							
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	-	-	-	-	-	-	-
Total 1,000 Mcf	-	-	-	-	-	-	-
Total Heating Val, Billion Btu	-	-	-	-	-	-	-
Avg. Cost, Cents per Million Btu	-	-	-	-	-	-	-
Total Est. Gas Bill, $1,000	-	-	-	-	-	-	-
Total							
Qnty Purchased: Firm 1,000 Mcf	127,902	133,493	107,676	93,664	68,255	83,308	1,220,395
Interruptible 1,000 Mcf[1]	157,215	148,988	132,020	136,965	94,105	64,455	1,252,111
Total 1,000 Mcf	285,117	282,481	239,696	230,629	162,361	147,763	2,472,506
Total Heating Val, Billion Btu	293,528.5	291,494.5	247,358.9	238,530.5	167,257.1	152,197.2	2,541,582.1
Avg. Cost, Cents per Million Btu	233.3	230.6	225.4	231.6	248.1	275.4	235.5
Total Est. Gas Bill, $1,000	684,891.8	672,232.3	557,586.3	552,447.0	415,015.7	419,226.4	5,985,532.1

[1] Includes Off-Peak Gas.

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 38. Primary Energy Purchase Data by Census Division and State, 1989

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	**589,173**	**165,868**	**373,007**	**50,297**	**28.2**	**63.3**	**8.5**	**169.9**	**269.2**	**238.5**
Connecticut	146,245	23,289	119,560	3,397	15.9	81.8	2.3	213.7	285.6	251.1
Maine	31,028	-	31,028	-	-	100.0	-	-	278.2	-
Massachusetts	343,270	114,152	184,525	44,593	33.3	53.8	13.0	160.2	264.8	237.4
New Hampshire	61,822	28,428	33,394	-	46.0	54.0	-	172.8	226.9	-
Rhode Island	6,808	-	4,501	2,307	-	66.1	33.9	-	270.3	241.2
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**[1] 2,181,213**	**1,391,614**	**564,288**	**217,868**	**[1] 63.8**	**[1] 25.9**	**[1] 10.0**	**148.9**	**296.1**	**237.4**
New Jersey	205,773	88,545	76,590	40,638	43.0	37.2	19.7	175.8	303.5	245.5
New York	[1] 842,879	253,371	412,482	176,959	[1] 30.1	[1] 48.9	[1] 21.0	157.2	295.3	235.3
Pennsylvania	[1] 1,132,561	1,049,699	75,216	272	[1] 92.7	[1] 6.6	[1] .0	144.6	293.1	348.2
East North Central	**[1] 3,622,892**	**3,570,704**	**36,817**	**12,716**	**[1] 98.6**	**[1] 1.0**	**[1] .4**	**154.4**	**342.6**	**285.8**
Illinois	556,504	536,708	14,597	5,200	96.4	2.6	.9	181.1	353.0	326.2
Indiana	[1] 876,708	867,851	2,331	3,872	[1] 99.0	[1] .3	[1] .4	135.9	421.8	269.5
Michigan	670,077	654,044	14,282	1,750	97.6	2.1	.3	172.1	315.0	174.8
Ohio	1,177,337	1,171,745	4,998	594	99.5	.4	.1	148.7	345.8	313.2
Wisconsin	342,266	340,357	609	1,300	99.4	.2	.4	144.8	410.0	309.5
West North Central	**[1] 1,778,422**	**1,750,862**	**2,648**	**20,580**	**[1] 98.5**	**[1] .1**	**[1] 1.2**	**114.4**	**369.0**	**211.5**
Iowa	258,335	255,969	343	2,023	99.1	.1	.8	121.8	445.1	267.4
Kansas	275,640	261,382	422	13,836	94.8	.2	5.0	123.9	432.8	197.6
Minnesota	[1] 289,504	283,635	124	1,973	[1] 98.0	[1] .0	[1] .7	119.8	441.6	214.6
Missouri	[1] 515,970	513,982	813	615	[1] 99.6	[1] .2	[1] .1	135.0	323.5	245.8
Nebraska	132,072	129,496	443	2,132	98.1	.3	1.6	82.7	248.9	236.1
North Dakota	281,526	281,078	447	*	99.8	.2	*	69.4	421.9	439.1
South Dakota	25,376	25,320	56	-	99.8	.2	-	124.1	450.2	-
South Atlantic	**3,775,564**	**3,187,926**	**399,165**	**188,472**	**84.4**	**10.6**	**5.0**	**165.3**	**277.4**	**248.0**
Delaware	80,057	49,645	23,871	6,540	62.0	29.8	8.2	179.3	277.4	254.4
District of Columbia	7,798	-	7,798	-	-	100.0	-	-	345.6	-
Florida	992,725	578,904	256,325	157,496	58.3	25.8	15.9	178.7	271.1	246.2
Georgia	617,486	615,501	1,345	641	99.7	.2	.1	174.9	426.7	315.6
Maryland	300,829	215,709	67,041	18,080	71.7	22.3	6.0	161.1	276.2	260.1
North Carolina	462,622	461,440	1,182	-	99.7	.3	-	177.0	398.9	-
South Carolina	249,835	247,432	480	1,924	99.0	.2	.8	170.7	426.3	222.1
Virginia	289,203	247,236	38,304	3,663	85.5	13.2	1.3	154.8	284.4	247.9
West Virginia	775,008	772,059	2,820	129	99.6	.4	*	142.5	450.5	458.8
East South Central	**1,791,930**	**1,741,626**	**10,814**	**39,491**	**97.2**	**.6**	**2.2**	**142.9**	**308.0**	**185.6**
Alabama	514,776	512,433	741	1,602	99.5	.1	.3	186.5	414.3	220.5
Kentucky	707,953	706,423	1,203	327	99.8	.2	*	113.7	475.2	267.3
Mississippi	133,244	87,430	8,253	37,562	65.6	6.2	28.2	167.1	267.6	183.4
Tennessee	435,958	435,340	618	-	99.9	.1	-	134.3	394.7	-
West South Central	**3,321,561**	**1,875,715**	**20,320**	**1,425,526**	**56.5**	**.6**	**42.9**	**147.5**	**375.0**	**215.7**
Arkansas	232,038	200,578	1,423	30,036	86.4	.6	12.9	163.1	370.6	165.4
Louisiana	415,156	189,831	3,632	221,692	45.7	.9	53.4	162.7	379.4	170.2
Oklahoma	415,230	258,303	212	156,715	62.2	.1	37.7	136.1	415.0	292.5
Texas	2,259,138	1,227,003	15,053	1,017,083	54.3	.7	45.0	144.9	373.8	215.3
Mountain	**2,019,393**	**1,928,884**	**7,671**	**82,837**	**95.5**	**.4**	**4.1**	**111.6**	**342.6**	**217.2**
Arizona	354,204	323,065	1,720	29,419	91.2	.5	8.3	136.0	403.1	224.4
Colorado	315,109	310,270	194	4,646	98.5	.1	1.5	106.4	409.9	228.3
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	174,635	173,992	243	400	99.6	.1	.2	57.7	430.9	113.8
Nevada	182,695	157,128	4,137	21,430	86.0	2.3	11.7	152.0	286.5	211.3
New Mexico	305,434	278,203	379	26,852	91.1	.1	8.8	123.8	378.3	213.3
Utah	303,331	303,095	235	-	99.9	.1	-	123.9	445.2	-
Wyoming	383,983	383,130	763	90	99.8	.2	*	84.5	415.4	348.1
Pacific	**663,965**	**91,503**	**68,668**	**503,794**	**13.8**	**10.3**	**75.9**	**155.6**	**307.9**	**292.4**
California	572,064	-	68,270	503,794	-	11.9	88.1	-	307.6	292.4
Oregon	72	-	72	-	-	100.0	-	-	452.8	-
Washington	91,829	91,503	326	-	99.6	.4	-	155.6	336.7	-
Pacific Noncontiguous	**64,367**	**-**	**64,367**	**-**	**-**	**100.0**	**-**	**-**	**329.1**	**-**
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	64,367	-	64,367	-	-	100.0	-	-	329.1	-
Total	**[1] 19,808,479**	**15,704,703**	**1,547,765**	**2,541,582**	**[1] 79.3**	**[1] 7.8**	**[1] 12.8**	**144.5**	**289.3**	**235.5**

[1] Also includes Petroleum Coke, Refuse, Wood Waste, and Coke Breeze.

* = Number less than 0.5

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 39. Receipts and Average Delivered Cost of Coal by Census Division and State, 1989

Census Division and State	Average Cost by Type of Purchase						Average Cost by Type of Mining Method					
	Contract Purchases			Spot Purchases			Strip and Auger			Underground		
	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)
New England	**4,354**	**169.9**	**44.47**	**1,972**	**169.8**	**44.71**	**537**	**159.4**	**41.03**	**5,790**	**170.9**	**44.87**
Connecticut	790	217.4	57.82	85	180.0	48.13	-	-	-	875	213.7	56.88
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	3,377	158.5	41.26	1,010	165.8	43.10	537	159.4	41.03	3,851	160.3	41.78
New Hampshire	187	170.6	46.00	877	173.3	46.22	-	-	-	1,064	172.8	46.18
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**40,675**	**154.1**	**38.41**	**15,294**	**135.0**	**33.35**	**22,081**	**141.4**	**34.79**	**33,888**	**153.8**	**38.48**
New Jersey	2,523	176.0	46.87	801	175.4	46.74	857	177.8	46.53	2,467	175.1	46.94
New York	6,305	162.5	42.45	3,574	147.4	36.57	4,347	148.4	36.90	5,531	163.8	43.01
Pennsylvania	31,847	150.5	36.94	10,919	127.6	31.32	16,877	137.5	33.65	25,889	149.3	36.71
East North Central	**127,221**	**163.5**	**35.92**	**34,442**	**121.7**	**27.40**	**108,585**	**149.4**	**31.93**	**53,078**	**163.7**	**38.55**
Illinois	22,971	186.3	39.70	2,096	127.3	28.67	13,717	205.6	42.89	11,351	153.1	33.80
Indiana	32,128	142.6	30.67	8,432	109.9	23.03	29,907	126.4	26.66	10,653	161.0	35.86
Michigan	23,587	177.5	39.98	5,409	148.9	33.80	20,511	163.0	34.50	8,484	190.2	49.29
Ohio	33,106	165.2	39.13	16,399	115.4	27.30	29,484	141.2	33.25	20,021	159.8	38.09
Wisconsin	15,429	144.9	28.10	2,106	143.8	28.10	14,965	142.8	26.25	2,570	152.9	38.88
West North Central	**88,898**	**115.9**	**19.90**	**12,001**	**104.4**	**19.51**	**93,054**	**108.8**	**18.38**	**7,846**	**163.3**	**37.29**
Iowa	10,345	130.0	23.02	3,971	101.1	18.52	13,485	121.2	21.33	831	128.8	28.92
Kansas	13,050	126.1	22.04	1,675	109.0	21.67	14,459	122.5	21.63	266	181.9	41.98
Minnesota	15,187	120.1	21.01	989	115.4	20.86	16,118	119.4	20.91	58	194.3	47.26
Missouri	21,107	138.0	28.81	3,681	117.5	23.36	18,177	122.1	24.37	6,610	166.3	37.98
Nebraska	6,105	85.9	14.95	1,368	67.9	11.54	7,393	81.1	14.00	80	181.8	44.80
North Dakota	21,042	69.7	9.17	316	47.8	6.00	21,359	69.4	9.13	-	-	-
South Dakota	2,063	124.1	15.24	-	-	-	2,063	124.1	15.24	-	-	-
South Atlantic	**94,200**	**173.9**	**43.22**	**34,121**	**141.6**	**35.13**	**48,530**	**164.3**	**40.67**	**79,792**	**166.0**	**41.31**
Delaware	1,695	181.6	47.06	222	161.4	41.53	340	173.0	43.26	1,578	180.6	47.09
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	18,029	189.2	46.87	5,346	143.5	35.49	8,001	172.6	42.72	15,374	181.9	45.07
Georgia	19,048	182.3	44.06	6,387	153.0	37.20	11,026	167.4	40.81	14,409	180.8	43.50
Maryland	5,810	163.4	41.42	2,684	156.2	39.84	5,403	166.9	41.85	3,091	151.4	39.30
North Carolina	15,424	181.5	45.47	2,989	153.6	38.59	7,887	175.8	43.92	10,526	177.9	44.68
South Carolina	6,240	178.9	45.26	3,565	156.4	39.27	3,726	177.6	44.61	6,079	166.5	42.14
Virginia	5,036	153.9	39.09	4,703	155.8	39.51	3,840	153.3	38.74	5,899	155.7	39.66
West Virginia	22,918	155.2	38.68	8,225	106.5	26.02	8,308	137.7	33.68	22,835	144.2	35.94
East South Central	**54,198**	**154.9**	**36.50**	**19,600**	**110.1**	**26.08**	**37,847**	**148.5**	**34.96**	**35,951**	**137.1**	**32.44**
Alabama	17,050	201.9	48.73	4,261	123.6	29.26	11,520	196.5	47.46	9,791	174.5	41.74
Kentucky	19,306	120.7	27.36	11,427	102.3	24.06	17,101	114.5	26.56	13,631	112.7	25.60
Mississippi	2,789	174.2	44.35	666	136.5	33.67	1,359	145.4	36.40	2,095	181.0	46.12
Tennessee	15,054	138.8	32.90	3,245	113.7	27.49	7,866	149.9	34.65	10,434	123.1	29.90
West South Central	**113,127**	**145.7**	**22.31**	**8,798**	**169.1**	**27.50**	**121,480**	**147.2**	**22.60**	**445**	**185.3**	**45.51**
Arkansas	11,502	163.1	28.45	-	-	-	11,502	163.1	28.45	-	-	-
Louisiana	11,346	163.3	26.83	248	131.1	18.13	11,399	161.7	26.20	195	201.7	52.46
Oklahoma	13,226	137.9	23.92	1,409	122.0	25.00	14,635	136.1	24.03	-	-	-
Texas	77,053	141.2	20.45	7,142	182.6	28.32	83,945	144.8	21.07	250	171.1	40.10
Mountain	**93,443**	**113.0**	**21.99**	**5,266**	**88.7**	**18.55**	**79,167**	**105.6**	**19.86**	**19,542**	**131.7**	**29.69**
Arizona	15,244	136.0	28.81	-	-	-	15,174	135.8	28.75	71	172.6	41.08
Colorado	13,683	107.7	20.89	2,070	98.5	21.37	12,041	101.5	19.39	3,711	120.3	26.03
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	10,224	57.7	9.81	-	-	-	10,224	57.7	9.81	-	-	-
Nevada	7,067	152.0	33.80	-	-	-	4,692	131.5	28.49	2,375	189.7	44.30
New Mexico	15,238	123.8	22.61	-	-	-	15,238	123.8	22.61	-	-	-
Utah	12,125	126.1	28.33	1,260	104.0	25.36	-	-	-	13,385	123.9	28.05
Wyoming	19,862	86.7	15.22	1,936	62.4	11.11	21,798	84.5	14.86	-	-	-
Pacific	**4,812**	**161.7**	**26.19**	**794**	**120.8**	**20.61**	**5,606**	**155.6**	**25.40**	**-**	**-**	**-**
California	-	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	4,812	161.7	26.19	794	120.8	20.61	5,606	155.6	25.40	-	-	-
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Total	**620,927**	**148.4**	**30.35**	**132,289**	**127.8**	**29.04**	**516,886**	**137.4**	**26.55**	**236,331**	**156.8**	**37.94**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 40. Average Delivered Cost of Coal by Census Division and State, 1985-1989

Census Division and State	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985
	(cents per million Btu)					(dollars per short ton)				
New England	**169.9**	**173.2**	**178.1**	**188.4**	**202.8**	**44.54**	**45.59**	**46.95**	**49.92**	**53.98**
Connecticut	213.7	228.6	242.0	227.1	234.9	56.88	60.07	63.56	59.83	61.81
Maine	-	-	-	-	-	-	-	-	-	-
Massachusetts	160.2	161.2	161.4	177.8	197.2	41.68	42.25	42.37	47.00	52.37
New Hampshire	172.8	177.7	191.8	199.0	200.9	46.18	47.38	51.47	53.51	54.05
Rhode Island	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**148.9**	**148.8**	**147.6**	**153.1**	**161.1**	**37.03**	**36.92**	**36.61**	**37.90**	**39.83**
New Jersey	175.8	171.7	176.8	180.8	192.1	46.84	45.75	46.80	47.84	50.87
New York	157.2	158.1	154.3	164.9	172.0	40.32	40.52	39.46	41.96	43.35
Pennsylvania	144.6	145.3	144.3	149.3	156.2	35.50	35.62	35.43	36.65	38.26
East North Central	**154.4**	**160.4**	**164.2**	**174.6**	**180.7**	**34.10**	**35.70**	**36.62**	**38.69**	**39.89**
Illinois	181.1	190.6	200.0	212.2	217.5	38.78	40.53	42.80	44.71	45.60
Indiana	135.9	143.2	146.7	157.8	164.2	29.08	31.03	31.93	33.70	35.00
Michigan	172.1	175.7	175.3	181.2	187.9	38.83	40.80	40.55	42.48	43.96
Ohio	148.7	152.2	156.0	162.9	169.4	35.21	36.22	37.15	38.80	40.02
Wisconsin	144.8	146.4	147.2	162.4	170.6	28.10	28.39	28.35	31.37	33.35
West North Central	**114.4**	**115.4**	**120.5**	**127.7**	**133.9**	**19.85**	**20.11**	**21.23**	**22.41**	**23.44**
Iowa	121.8	123.5	124.6	137.2	147.5	21.77	22.74	22.81	25.20	26.85
Kansas	123.9	123.9	126.7	131.9	140.1	22.00	22.25	22.22	23.02	24.58
Minnesota	119.8	119.6	120.6	136.0	142.8	21.01	20.91	21.09	23.74	24.92
Missouri	135.0	138.2	141.3	146.6	150.2	28.00	28.75	29.96	31.35	31.98
Nebraska	82.7	84.1	94.5	104.0	111.4	14.32	14.49	16.26	18.12	19.27
North Dakota	69.4	70.3	79.3	82.1	88.1	9.13	9.26	10.46	10.81	11.59
South Dakota	124.1	121.4	123.4	124.1	118.4	15.24	15.39	14.95	15.10	14.45
South Atlantic	**165.3**	**166.5**	**166.5**	**174.0**	**185.5**	**41.07**	**41.54**	**41.50**	**43.28**	**45.98**
Delaware	179.3	180.6	181.1	191.4	191.0	46.41	46.60	47.33	49.75	49.52
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	178.7	177.7	181.4	192.9	212.1	44.26	44.16	44.98	47.36	51.86
Georgia	174.9	174.7	178.9	180.9	187.8	42.33	42.53	43.56	43.95	45.53
Maryland	161.1	157.6	157.7	166.6	174.6	40.92	40.12	39.97	42.28	44.21
North Carolina	177.0	177.5	179.0	184.8	197.6	44.35	44.65	44.92	46.40	49.34
South Carolina	170.7	176.0	174.0	182.5	190.9	43.08	44.63	44.01	46.23	47.98
Virginia	154.8	155.1	158.1	170.6	180.2	39.29	39.72	40.52	43.86	46.18
West Virginia	142.5	144.1	142.2	149.7	160.3	35.33	35.95	35.38	37.25	39.81
East South Central	**142.9**	**148.4**	**151.2**	**158.4**	**170.3**	**33.73**	**35.36**	**35.95**	**37.59**	**40.04**
Alabama	186.5	194.7	192.4	191.0	202.0	44.84	47.37	47.04	46.51	48.71
Kentucky	113.7	119.8	125.8	133.8	141.1	26.13	27.61	28.94	30.84	32.14
Mississippi	167.1	181.2	195.5	229.4	253.6	42.29	45.88	49.56	56.11	61.52
Tennessee	134.3	133.5	136.7	141.9	153.6	31.94	32.17	32.74	33.79	36.34
West South Central	**147.5**	**149.5**	**156.2**	**158.7**	**165.5**	**22.69**	**23.08**	**23.92**	**24.38**	**25.72**
Arkansas	163.1	158.5	155.2	156.3	157.8	28.45	27.47	26.94	27.10	27.15
Louisiana	162.7	155.5	164.4	179.4	218.9	26.64	25.48	26.84	29.14	37.00
Oklahoma	136.1	148.2	155.7	163.7	167.9	24.03	26.42	27.56	28.36	28.82
Texas	144.9	147.2	155.2	154.9	159.3	21.12	21.50	22.48	22.59	23.59
Mountain	**111.6**	**109.5**	**112.1**	**115.7**	**115.2**	**21.80**	**21.32**	**22.01**	**22.47**	**22.44**
Arizona	136.0	140.5	129.9	136.4	130.6	28.81	29.92	27.56	28.70	27.41
Colorado	106.4	106.6	111.8	117.5	115.3	20.95	20.84	22.01	22.96	22.49
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	57.7	54.5	64.8	67.4	70.7	9.81	9.29	11.12	11.53	12.23
Nevada	152.0	136.3	139.9	139.1	161.8	33.80	30.21	31.28	31.23	36.84
New Mexico	123.8	117.5	120.8	113.3	109.2	22.61	21.24	21.87	20.64	20.06
Utah	123.9	126.5	125.2	140.7	137.0	28.05	29.07	29.09	32.32	32.34
Wyoming	84.5	84.0	87.0	92.2	91.9	14.86	14.71	15.27	16.06	16.10
Pacific	**155.6**	**154.5**	**164.9**	**168.6**	**165.7**	**25.40**	**25.41**	**26.82**	**27.31**	**26.85**
California	-	-	-	-	-	-	-	-	-	-
Oregon	-	139.0	140.2	-	199.7	-	23.70	23.78	-	33.12
Washington	155.6	155.2	167.1	168.6	165.3	25.40	25.48	27.08	27.31	26.78
Noncontiguous	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-
Total	**144.5**	**146.6**	**150.6**	**157.9**	**164.8**	**30.12**	**30.64**	**31.83**	**33.30**	**34.53**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 41. Receipts and Average Delivered Cost of Petroleum by Census Division and State, 1989

Census Division and State	Cost of No. 6 Fuel Oil by Type of Purchase						Average Cost of Petroleum Products					
	Contract Purchases			Spot Purchases			No. 2 Fuel Oil		No. 4, No. 5 Fuel Oil		No. 6 Fuel Oil	
	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (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	**45,184**	**271.3**	**17.18**	**13,620**	**261.1**	**16.49**	**422.8**	**24.61**	**-**	**-**	**268.9**	**17.02**
Connecticut	16,761	286.8	18.08	2,171	274.5	17.34	425.9	24.78	-	-	285.4	18.00
Maine	4,927	277.9	17.47	-	-	-	414.1	23.95	-	-	277.9	17.47
Massachusetts	18,503	268.0	16.92	10,644	258.2	16.32	421.7	24.59	-	-	264.4	16.70
New Hampshire	4,993	226.7	14.84	89	198.4	13.19	426.4	24.74	-	-	226.2	14.81
Rhode Island	-	-	-	715	270.3	17.00	-	-	-	-	270.3	17.00
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**64,766**	**295.3**	**18.58**	**24,084**	**294.4**	**18.50**	**411.6**	**24.06**	**340.4**	**20.66**	**295.0**	**18.56**
New Jersey	10,117	306.9	19.15	2,039	280.5	17.56	408.2	24.15	337.4	20.57	302.5	18.88
New York	45,980	295.4	18.60	19,497	294.6	18.49	448.1	26.05	340.9	20.67	295.1	18.57
Pennsylvania	8,670	281.4	17.82	2,548	303.9	19.30	407.4	23.78	-	-	286.5	18.15
East North Central	**1,739**	**339.7**	**21.49**	**2,571**	**293.3**	**18.22**	**426.0**	**24.68**	**-**	**-**	**312.2**	**19.54**
Illinois	1,739	339.7	21.49	194	307.6	19.59	439.1	25.49	-	-	336.4	21.30
Indiana	-	-	-	-	-	-	421.8	24.27	-	-	-	-
Michigan	-	-	-	1,989	297.4	18.31	420.6	24.48	-	-	297.4	18.31
Ohio	-	-	-	388	265.7	17.07	425.7	24.65	-	-	265.7	17.07
Wisconsin	-	-	-	-	-	-	410.0	23.84	-	-	-	-
West North Central	**-**	**-**	**-**	**131**	**212.5**	**13.53**	**441.0**	**25.62**	**-**	**-**	**212.5**	**13.53**
Iowa	-	-	-	-	-	-	445.1	25.87	-	-	-	-
Kansas	-	-	-	-	-	-	432.8	25.24	-	-	-	-
Minnesota	-	-	-	-	-	-	441.6	25.50	-	-	-	-
Missouri	-	-	-	66	211.6	13.64	445.3	25.89	-	-	211.6	13.64
Nebraska	-	-	-	60	215.3	13.56	435.4	25.17	-	-	215.3	13.56
North Dakota	-	-	-	6	193.3	11.93	441.4	25.54	-	-	193.3	11.93
South Dakota	-	-	-	-	-	-	450.2	26.47	-	-	-	-
South Atlantic	**45,415**	**269.2**	**17.03**	**14,221**	**274.6**	**17.35**	**422.4**	**24.58**	**343.1**	**20.66**	**270.5**	**17.11**
Delaware	3,191	273.6	17.39	378	254.9	16.19	389.7	22.19	-	-	271.6	17.27
District of Columbia	-	-	-	-	-	-	407.9	23.73	343.1	20.66	-	-
Florida	28,768	267.7	16.99	11,043	272.0	17.28	427.1	24.92	-	-	268.9	17.07
Georgia	-	-	-	31	276.5	17.07	451.9	26.19	-	-	276.5	17.07
Maryland	9,948	272.6	17.20	370	261.7	16.61	411.7	23.94	-	-	272.2	17.18
North Carolina	-	-	-	-	-	-	398.9	23.17	-	-	-	-
South Carolina	-	-	-	-	-	-	426.3	24.71	-	-	-	-
Virginia	3,508	268.6	16.57	2,399	292.6	17.99	400.9	23.52	-	-	278.3	17.15
West Virginia	-	-	-	-	-	-	450.5	26.33	-	-	-	-
East South Central	**1,199**	**246.8**	**15.69**	**10**	**402.0**	**24.86**	**455.3**	**26.46**	**-**	**-**	**248.1**	**15.76**
Alabama	-	-	-	-	-	-	414.3	23.87	-	-	-	-
Kentucky	-	-	-	-	-	-	475.2	27.71	-	-	-	-
Mississippi	1,199	246.8	15.69	10	402.0	24.86	532.4	31.09	-	-	248.1	15.76
Tennessee	-	-	-	-	-	-	394.7	22.92	-	-	-	-
West South Central	**307**	**312.2**	**19.69**	**288**	**270.3**	**17.87**	**431.0**	**25.11**	**297.2**	**18.31**	**291.4**	**18.81**
Arkansas	135	326.1	20.48	-	-	-	435.9	25.05	-	-	326.1	20.48
Louisiana	173	301.4	19.07	141	266.4	18.05	501.1	30.08	-	-	285.1	18.61
Oklahoma	-	-	-	-	-	-	415.0	23.92	-	-	-	-
Texas	-	-	-	147	274.3	17.70	419.5	24.35	297.2	18.31	274.3	17.70
Mountain	**-**	**-**	**-**	**702**	**274.4**	**17.15**	**444.7**	**25.91**	**241.1**	**14.68**	**274.4**	**17.15**
Arizona	-	-	-	74	276.6	17.29	449.5	26.19	-	-	276.6	17.29
Colorado	-	-	-	-	-	-	409.9	23.60	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	430.9	25.52	-	-	-	-
Nevada	-	-	-	628	274.1	17.14	519.2	30.22	-	-	274.1	17.14
New Mexico	-	-	-	-	-	-	497.6	28.23	241.1	14.68	-	-
Utah	-	-	-	-	-	-	445.2	26.18	-	-	-	-
Wyoming	-	-	-	-	-	-	415.4	24.27	-	-	-	-
Pacific	**5,572**	**326.4**	**19.99**	**5,553**	**288.6**	**17.81**	**434.3**	**25.63**	**-**	**-**	**307.4**	**18.90**
California	5,572	326.4	19.99	5,523	288.8	17.82	363.8	21.43	-	-	307.6	18.91
Oregon	-	-	-	-	-	-	452.8	26.59	-	-	-	-
Washington	-	-	-	30	253.6	15.98	452.3	26.78	-	-	253.6	15.98
Pacific Noncontiguous	**10,292**	**329.0**	**20.55**	**-**	**-**	**-**	**360.9**	**20.90**	**-**	**-**	**329.0**	**20.55**
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	10,292	329.0	20.55	-	-	-	360.9	20.90	-	-	329.0	20.55
Total	**174,475**	**285.3**	**17.99**	**61,181**	**281.2**	**17.68**	**428.0**	**24.90**	**324.7**	**19.72**	**284.3**	**17.91**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 42. Average Delivered Cost of Petroleum by Census Division and State, 1985-1989

Census Division and State	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985
	(cents per million Btu)					(dollars per barrel)				
New England	**269.2**	**227.5**	**278.9**	**230.6**	**404.1**	**17.04**	**14.37**	**17.72**	**14.59**	**25.58**
Connecticut	285.6	239.7	293.6	250.8	424.2	18.01	15.11	18.50	15.75	26.68
Maine	278.2	235.3	293.7	239.3	422.4	17.48	14.74	18.58	15.06	26.71
Massachusetts	264.8	225.9	271.5	223.8	391.6	16.72	14.25	17.28	14.16	24.83
New Hampshire	226.9	186.9	258.7	191.7	363.6	14.85	12.13	16.93	12.46	23.82
Rhode Island	270.3	224.6	267.8	237.1	403.3	17.00	14.24	17.00	15.04	25.56
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**296.1**	**248.9**	**306.7**	**246.2**	**431.6**	**18.61**	**15.63**	**19.25**	**15.39**	**27.00**
New Jersey	303.5	251.2	312.2	238.0	441.6	18.93	15.63	19.44	14.73	27.35
New York	295.3	248.9	306.1	247.0	426.1	18.58	15.66	19.23	15.48	26.74
Pennsylvania	293.1	245.8	305.5	250.0	440.9	18.49	15.48	19.17	15.63	27.53
East North Central	**342.6**	**301.8**	**361.2**	**402.3**	**582.6**	**20.99**	**18.47**	**22.31**	**24.70**	**35.84**
Illinois	353.0	312.0	361.6	504.2	602.9	22.03	19.42	22.75	31.60	38.09
Indiana	421.8	363.4	412.2	389.0	586.9	24.27	20.93	23.77	22.48	33.84
Michigan	315.0	279.9	337.5	277.4	524.9	19.23	17.14	20.42	16.96	31.17
Ohio	345.8	311.7	395.7	353.0	561.6	21.06	18.90	23.18	20.73	33.36
Wisconsin	410.0	364.5	396.8	359.6	548.1	23.84	21.07	23.01	20.86	31.88
West North Central	**369.0**	**276.9**	**322.8**	**299.7**	**499.3**	**22.04**	**16.90**	**19.63**	**18.09**	**30.13**
Iowa	445.1	372.1	405.7	362.5	593.0	25.87	21.51	23.63	21.11	34.49
Kansas	432.8	318.6	387.0	335.7	554.8	25.24	19.01	22.46	19.54	32.30
Minnesota	441.6	369.2	446.6	391.2	597.4	25.50	21.29	25.84	22.56	34.65
Missouri	323.5	237.0	279.6	259.9	435.8	19.82	14.77	17.45	16.12	27.22
Nebraska	248.9	241.7	250.2	259.1	588.7	15.47	15.14	15.60	16.10	34.15
North Dakota	421.9	362.1	388.1	364.5	548.8	24.53	21.07	22.69	21.21	31.84
South Dakota	450.2	401.7	434.3	368.0	580.9	26.47	23.62	25.54	21.64	34.16
South Atlantic	**277.4**	**227.7**	**298.1**	**221.7**	**408.2**	**17.47**	**14.40**	**19.22**	**13.98**	**25.70**
Delaware	277.4	232.1	278.7	233.2	417.7	17.54	14.71	17.60	14.64	26.30
District of Columbia	345.6	278.9	354.8	273.4	494.5	20.78	16.82	21.28	16.46	29.66
Florida	271.1	221.3	292.2	216.9	391.6	17.19	14.07	19.16	13.74	24.82
Georgia	426.7	283.8	344.9	231.8	548.2	24.95	17.02	20.68	14.12	31.92
Maryland	276.2	236.1	311.4	237.8	418.2	17.39	14.90	19.43	14.83	26.23
North Carolina	398.9	348.5	390.8	348.3	568.1	23.17	20.25	22.67	20.24	33.01
South Carolina	426.3	373.6	400.0	363.7	573.4	24.71	21.72	23.29	21.14	33.39
Virginia	284.4	236.3	309.3	215.6	452.1	17.48	14.61	19.13	13.37	28.04
West Virginia	450.5	395.8	436.1	370.7	600.0	26.33	23.23	25.53	21.70	35.19
East South Central	**308.0**	**340.3**	**359.5**	**242.8**	**561.6**	**19.06**	**20.93**	**21.26**	**15.01**	**33.10**
Alabama	414.3	366.8	403.1	349.1	599.6	23.87	21.01	23.38	20.27	34.88
Kentucky	475.2	384.6	407.3	350.3	580.2	27.71	22.46	23.78	20.42	33.83
Mississippi	267.6	327.7	237.6	213.0	472.1	16.91	20.67	14.72	13.40	29.04
Tennessee	394.7	350.9	392.8	336.8	585.1	22.92	20.39	22.82	19.57	33.95
West South Central	**375.0**	**345.5**	**366.3**	**256.6**	**531.3**	**22.54**	**21.14**	**21.56**	**15.45**	**31.58**
Arkansas	370.6	435.4	386.0	406.7	571.0	22.44	26.44	22.20	23.65	33.14
Louisiana	379.4	347.6	340.5	161.9	512.5	23.86	21.48	20.45	10.16	31.18
Oklahoma	415.0	268.2	391.2	289.6	553.5	23.92	16.88	22.56	16.75	31.79
Texas	373.8	329.1	363.7	272.5	528.8	22.22	19.83	21.50	16.28	31.45
Mountain	**342.6**	**289.4**	**334.5**	**308.6**	**595.0**	**20.79**	**17.68**	**20.10**	**18.50**	**34.92**
Arizona	403.1	407.0	426.2	362.3	621.7	23.92	24.01	24.82	21.41	36.61
Colorado	409.9	384.8	386.3	336.8	591.0	23.60	22.14	22.18	19.43	33.94
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	430.9	403.3	410.7	428.3	610.6	25.52	23.88	24.32	25.37	36.16
Nevada	286.5	244.8	245.0	210.9	612.1	17.85	15.25	15.25	13.10	35.49
New Mexico	378.3	308.0	357.0	286.1	521.7	22.17	18.10	20.89	16.90	30.83
Utah	445.2	398.4	411.9	361.9	566.8	26.18	23.43	24.26	21.33	33.33
Wyoming	415.4	379.7	409.5	386.9	600.0	24.27	22.22	23.95	22.62	35.06
Pacific	**307.9**	**266.0**	**282.6**	**316.5**	**531.6**	**18.93**	**16.35**	**17.70**	**19.52**	**32.88**
California	307.6	265.8	282.0	316.6	531.3	18.91	16.34	17.66	19.53	32.87
Oregon	452.8	-	-	324.2	566.5	26.59	-	-	18.90	33.03
Washington	336.7	403.2	409.8	276.1	571.9	20.66	23.87	24.27	16.35	33.87
Noncontiguous	**329.1**	**286.7**	**344.6**	**286.7**	**485.9**	**20.55**	**17.96**	**21.60**	**17.94**	**30.44**
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	329.1	286.7	344.6	286.7	485.9	20.55	17.96	21.60	17.94	30.44
Total	**289.3**	**243.9**	**301.1**	**243.7**	**431.7**	**18.17**	**15.33**	**19.06**	**15.30**	**27.08**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 43. Receipts and Average Delivered Cost of Gas by Census Division and State, 1989

Census Division and State	Receipts and Cost by Type of Purchase											
	Firm Gas			Interruptible Gas			Off-Peak Gas			Total Gas		
	Quantity (1,000 Mcf)	(cents per 10^6 Btu)	($ per Mcf)	Quantity (1,000 Mcf)	(cents per 10^6 Btu)	($ per Mcf)	Quantity (1,000 Mcf)	(cents per 10^6 Btu)	($ per Mcf)	Quantity (1,000 Mcf)	(cents per 10^6 Btu)	($ per Mcf)
New England	**8,638**	**243.4**	**2.55**	**38,433**	**237.0**	**2.48**	**1,004**	**253.5**	**2.61**	**48,076**	**238.5**	**2.50**
Connecticut	-	-	-	2,293	250.1	2.58	1,004	253.5	2.61	3,297	251.1	2.59
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	8,638	243.4	2.55	33,902	235.9	2.47	-	-	-	42,540	237.4	2.49
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	2,239	241.2	2.49	-	-	-	2,239	241.2	2.49
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**76,021**	**222.5**	**2.29**	**112,790**	**250.0**	**2.57**	**22,858**	**224.9**	**2.32**	**211,669**	**237.4**	**2.44**
New Jersey	-	-	-	39,338	245.5	2.54	-	-	-	39,338	245.5	2.54
New York	76,021	222.5	2.29	73,189	252.0	2.59	22,858	224.9	2.32	172,068	235.3	2.42
Pennsylvania	-	-	-	264	348.2	3.58	-	-	-	264	348.2	3.58
East North Central	**5,354**	**308.7**	**3.10**	**21,752**	**269.0**	**.91**	-	-	-	**27,106**	**285.8**	**1.34**
Illinois	1,141	450.1	4.58	3,970	290.6	2.96	-	-	-	5,111	326.2	3.32
Indiana	3,812	269.5	2.70	52	271.4	2.78	-	-	-	3,863	269.5	2.70
Michigan	2	370.0	3.70	16,245	174.6	.19	-	-	-	16,247	174.8	.19
Ohio	400	272.4	2.73	190	397.2	4.05	-	-	-	590	313.2	3.15
Wisconsin	-	-	-	1,295	309.5	3.11	-	-	-	1,295	309.5	3.11
West North Central	**1,056**	**242.1**	**2.47**	**19,411**	**210.0**	**2.05**	**591**	**205.6**	**2.07**	**21,058**	**211.5**	**2.07**
Iowa	294	340.2	3.48	1,715	254.7	2.56	-	-	-	2,009	267.4	2.69
Kansas	537	207.8	2.14	13,717	197.2	1.91	-	-	-	14,254	197.6	1.92
Minnesota	-	-	-	1,373	218.5	2.19	591	205.6	2.07	1,964	214.6	2.16
Missouri	-	-	-	606	245.8	2.50	-	-	-	606	245.8	2.50
Nebraska	226	195.2	1.95	1,999	241.0	2.30	-	-	-	2,224	236.1	2.26
North Dakota	-	-	-	*	439.1	4.61	-	-	-	*	439.1	4.61
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	**58,377**	**247.3**	**2.48**	**127,071**	**248.3**	**2.54**	-	-	-	**185,448**	**248.0**	**2.52**
Delaware	2,753	232.8	2.42	3,333	271.2	2.99	-	-	-	6,087	254.4	2.73
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	54,798	247.7	2.48	101,104	245.4	2.49	-	-	-	155,902	246.2	2.49
Georgia	222	316.3	3.25	403	315.2	3.22	-	-	-	626	315.6	3.23
Maryland	604	253.1	2.65	16,703	260.4	2.72	-	-	-	17,307	260.1	2.72
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	1,881	222.1	2.27	-	-	-	1,881	222.1	2.27
Virginia	-	-	-	3,517	247.9	2.58	-	-	-	3,517	247.9	2.58
West Virginia	-	-	-	129	458.8	4.59	-	-	-	129	458.8	4.59
East South Central	**8,032**	**193.5**	**2.00**	**30,232**	**182.8**	**1.87**	**275**	**259.7**	**2.66**	**38,538**	**185.6**	**1.90**
Alabama	-	-	-	1,556	220.5	2.27	-	-	-	1,556	220.5	2.27
Kentucky	46	314.3	3.14	-	-	-	275	259.7	2.66	320	267.3	2.73
Mississippi	7,986	192.8	1.99	28,676	180.7	1.85	-	-	-	36,663	183.4	1.88
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-
West South Central	**1,042,538**	**224.4**	**2.33**	**332,988**	**188.5**	**1.95**	-	-	-	**1,375,525**	**215.7**	**2.24**
Arkansas	3,323	93.1	1.05	26,149	175.7	1.77	-	-	-	29,473	165.4	1.69
Louisiana	112,501	146.6	1.53	99,942	196.9	2.05	-	-	-	212,443	170.2	1.78
Oklahoma	148,824	293.9	3.06	1,471	155.6	1.66	-	-	-	150,296	292.5	3.05
Texas	777,889	223.0	2.31	205,425	186.2	1.92	-	-	-	983,314	215.3	2.23
Mountain	**20,378**	**234.5**	**2.41**	**60,057**	**211.4**	**2.18**	-	-	-	**80,436**	**217.2**	**2.24**
Arizona	7,071	226.9	2.34	21,349	223.6	2.32	-	-	-	28,420	224.4	2.32
Colorado	2,570	231.5	2.26	2,184	224.5	2.20	-	-	-	4,754	228.3	2.23
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	326	110.8	1.34	4	371.3	4.21	-	-	-	330	113.8	1.38
Nevada	-	-	-	20,859	211.3	2.17	-	-	-	20,859	211.3	2.17
New Mexico	10,411	244.9	2.53	15,574	192.1	1.98	-	-	-	25,986	213.3	2.20
Utah	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	87	348.1	3.61	-	-	-	87	348.1	3.61
Pacific	-	-	-	**484,649**	**292.4**	**3.04**	-	-	-	**484,649**	**292.4**	**3.04**
California	-	-	-	484,649	292.4	3.04	-	-	-	484,649	292.4	3.04
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Total	**1,220,395**	**225.8**	**2.34**	**1,227,384**	**245.5**	**2.51**	**24,727**	**226.0**	**2.33**	**2,472,506**	**235.5**	**2.42**

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 44. Average Delivered Cost of Gas by Census Division and State, 1985-1989

Census Division and State	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985
	(cents per million Btu)					(dollars per Mcf)				
New England	**238.5**	**221.6**	**238.3**	**225.7**	**340.8**	**2.50**	**2.28**	**2.45**	**2.32**	**3.54**
Connecticut	251.1	217.4	236.6	208.9	338.7	2.59	2.24	2.44	2.16	3.49
Maine	-	-	-	-	-	-	-	-	-	-
Massachusetts	237.4	222.2	239.9	226.9	341.2	2.49	2.29	2.46	2.33	3.54
New Hampshire	-	-	-	-	-	-	-	-	-	-
Rhode Island	241.2	208.6	231.8	-	336.8	2.49	2.15	2.39	-	3.48
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**237.4**	**224.0**	**246.8**	**228.3**	**358.6**	**2.44**	**2.31**	**2.54**	**2.36**	**3.72**
New Jersey	245.5	224.5	255.0	250.9	396.5	2.54	2.32	2.63	2.60	4.15
New York	235.3	223.6	244.1	223.9	348.2	2.42	2.30	2.51	2.32	3.61
Pennsylvania	348.2	333.0	334.9	360.6	508.4	3.58	3.45	3.45	3.70	5.08
East North Central	**285.8**	**295.7**	**313.6**	**423.3**	**477.4**	**1.34**	**1.50**	**1.88**	**2.70**	**3.56**
Illinois	326.2	326.9	365.6	462.1	519.0	3.32	3.34	3.75	4.74	5.33
Indiana	269.5	259.1	282.2	453.6	415.2	2.70	2.60	2.84	4.56	4.17
Michigan	174.8	255.5	276.3	363.7	442.8	.19	.41	1.12	1.26	2.04
Ohio	313.2	346.5	304.4	466.9	508.6	3.15	3.51	3.07	4.75	5.16
Wisconsin	309.5	325.2	392.0	373.5	411.1	3.11	3.26	3.89	3.75	4.11
West North Central	**211.5**	**210.9**	**221.7**	**269.2**	**303.1**	**2.07**	**2.10**	**2.20**	**2.63**	**2.95**
Iowa	267.4	202.7	215.4	341.8	361.0	2.69	2.04	2.17	3.48	3.69
Kansas	197.6	206.0	217.5	250.0	288.4	1.92	2.05	2.15	2.42	2.79
Minnesota	214.6	198.4	207.5	295.4	369.3	2.16	1.99	2.07	2.95	3.70
Missouri	245.8	277.0	296.1	292.3	330.9	2.50	2.75	2.93	2.87	3.28
Nebraska	236.1	268.6	256.3	320.9	358.4	2.26	2.56	2.50	3.11	3.43
North Dakota	439.1	428.6	443.4	-	-	4.61	4.56	4.75	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-
South Atlantic	**248.0**	**212.2**	**271.6**	**208.3**	**329.2**	**2.52**	**2.14**	**2.75**	**2.10**	**3.33**
Delaware	254.4	242.1	274.5	253.2	388.0	2.73	2.59	2.84	2.65	4.03
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	246.2	210.1	271.4	207.6	324.9	2.49	2.12	2.73	2.09	3.29
Georgia	315.6	273.4	371.5	200.4	430.5	3.23	2.80	3.80	2.05	4.41
Maryland	260.1	259.7	268.1	274.0	-	2.72	2.71	2.80	2.90	-
North Carolina	-	-	-	-	-	-	-	-	-	-
South Carolina	222.1	180.6	334.5	203.1	454.4	2.27	1.86	3.44	2.08	4.68
Virginia	247.9	204.9	242.3	192.9	343.8	2.58	2.16	2.52	2.03	3.57
West Virginia	458.8	389.2	393.6	402.6	477.5	4.59	3.89	3.94	4.03	4.77
East South Central	**185.6**	**186.3**	**186.5**	**232.4**	**281.8**	**1.90**	**1.91**	**1.92**	**2.41**	**2.93**
Alabama	220.5	207.1	210.2	247.0	317.2	2.27	2.15	2.22	2.69	3.48
Kentucky	267.3	246.0	278.1	296.6	354.0	2.73	2.52	2.84	3.03	3.63
Mississippi	183.4	184.7	185.1	231.5	279.5	1.88	1.90	1.90	2.40	2.90
Tennessee	-	-	-	-	-	-	-	-	-	-
West South Central	**215.7**	**207.8**	**204.1**	**223.3**	**305.4**	**2.24**	**2.15**	**2.12**	**2.32**	**3.17**
Arkansas	165.4	135.0	152.2	155.9	282.3	1.69	1.39	1.57	1.64	2.98
Louisiana	170.2	163.1	160.0	185.5	273.2	1.78	1.70	1.67	1.94	2.86
Oklahoma	292.5	281.3	267.4	268.3	295.1	3.05	2.92	2.78	2.79	3.08
Texas	215.3	209.0	206.3	227.0	314.9	2.23	2.16	2.14	2.35	3.26
Mountain	**217.2**	**229.4**	**231.3**	**285.3**	**365.0**	**2.24**	**2.35**	**2.38**	**2.98**	**3.79**
Arizona	224.4	224.1	220.3	235.3	374.4	2.32	2.32	2.28	2.46	3.97
Colorado	228.3	228.7	228.6	300.2	353.0	2.23	2.25	2.26	2.98	3.49
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	113.8	126.3	91.9	85.6	59.2	1.38	1.53	1.11	1.03	.71
Nevada	211.3	271.8	258.0	303.6	407.1	2.17	2.79	2.67	3.20	4.33
New Mexico	213.3	213.6	235.8	331.0	347.7	2.20	2.19	2.42	3.45	3.52
Utah	-	-	507.4	509.9	412.2	-	-	5.47	5.54	4.43
Wyoming	348.1	367.9	326.1	380.4	433.3	3.61	3.78	3.32	3.89	4.54
Pacific	**292.4**	**283.1**	**250.1**	**281.0**	**447.0**	**3.04**	**2.93**	**2.59**	**2.94**	**4.70**
California	292.4	283.1	250.1	281.0	447.0	3.04	2.93	2.59	2.94	4.70
Oregon	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-
Noncontiguous	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-
Total	**235.5**	**226.3**	**224.0**	**235.1**	**344.4**	**2.42**	**2.33**	**2.31**	**2.43**	**3.58**

Notes: • Totals may not equal sum of • Totals may not equal sum of components because of independent rounding. • Data 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 45. Receipts and Average Delivered Cost of Coal by Sulfur Content, by Census Division and State, 1989

Census Division and State	0.5% or Less			More than 0.5% up to 1.0%			More than 1.0% up to 1.5%		
	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)
New England	**259**	**219.9**	**57.58**	**945**	**199.0**	**52.73**	**3,972**	**161.0**	**41.97**
Connecticut	254	220.9	57.88	621	210.8	56.47	-	-	-
Maine	-	-	-	-	-	-	-	-	-
Massachusetts	5	171.7	43.31	263	168.3	43.15	3,702	160.1	41.70
New Hampshire	-	-	-	61	205.6	55.86	269	173.2	45.71
Rhode Island	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Middle Atlantic	**341**	**186.7**	**44.91**	**5,850**	**172.2**	**43.48**	**7,860**	**147.6**	**36.62**
New Jersey	6	188.1	49.71	2,421	175.6	47.03	194	172.8	46.08
New York	245	206.9	54.24	1,521	192.9	48.65	1,199	150.0	37.38
Pennsylvania	90	106.6	19.17	1,908	149.6	34.87	6,467	146.3	36.20
East North Central	**34,817**	**164.2**	**29.80**	**30,963**	**175.2**	**41.96**	**13,992**	**160.7**	**37.93**
Illinois	5,847	271.8	52.48	3,400	199.4	46.67	289	132.1	30.14
Indiana	6,923	145.0	24.93	2,667	183.1	42.43	3,176	160.9	34.92
Michigan	11,958	148.6	28.06	14,306	187.0	46.83	2,187	173.0	45.07
Ohio	5	130.8	29.37	8,381	144.0	34.43	7,391	158.4	37.49
Wisconsin	10,085	127.9	22.05	2,210	166.7	31.13	948	155.2	37.39
West North Central	**45,918**	**107.9**	**18.58**	**34,188**	**99.2**	**14.74**	**3,399**	**184.3**	**37.76**
Iowa	11,298	115.8	19.53	450	132.2	24.49	60	113.0	26.86
Kansas	12,798	121.7	20.91	590	129.0	27.42	-	-	-
Minnesota	7,272	111.0	19.54	8,761	126.2	21.94	40	198.3	42.28
Missouri	7,175	95.9	16.71	1,908	165.0	34.75	2,259	212.1	50.00
Nebraska	7,367	81.1	14.00	106	164.6	37.14	-	-	-
North Dakota	9	46.5	6.38	20,478	68.9	9.05	872	79.2	10.90
South Dakota	-	-	-	1,896	124.3	15.23	167	122.5	15.29
South Atlantic	**298**	**150.4**	**30.41**	**48,302**	**171.7**	**43.05**	**35,959**	**170.4**	**42.56**
Delaware	-	-	-	1,250	187.6	48.62	265	171.4	43.19
District of Columbia	-	-	-	-	-	-	-	-	-
Florida	37	141.0	37.96	7,950	179.4	45.27	5,127	189.0	47.69
Georgia	207	151.0	26.87	4,269	208.5	52.14	10,436	165.8	40.76
Maryland	15	164.7	43.13	2,779	158.6	40.63	800	153.0	39.03
North Carolina	9	146.2	37.38	12,527	178.5	44.41	5,823	173.9	44.25
South Carolina	15	161.2	37.77	2,885	164.4	41.83	6,108	173.3	43.63
Virginia	14	146.4	36.55	6,661	154.5	39.15	2,937	155.2	39.55
West Virginia	-	-	-	9,981	156.5	38.60	4,463	164.1	39.80
East South Central	**210**	**205.3**	**48.57**	**17,847**	**174.9**	**42.44**	**8,076**	**140.0**	**33.95**
Alabama	148	233.7	58.59	7,698	202.1	48.82	2,051	189.4	46.03
Kentucky	62	121.2	24.54	5,580	127.5	31.25	3,405	123.5	29.29
Mississippi	-	-	-	1,809	184.6	47.30	122	195.8	48.61
Tennessee	-	-	-	2,760	190.2	44.11	2,498	119.2	29.68
West South Central	**70,174**	**166.8**	**28.53**	**26,373**	**106.4**	**14.48**	**20,298**	**124.8**	**15.64**
Arkansas	11,502	163.1	28.45	-	-	-	-	-	-
Louisiana	7,685	162.6	27.09	3,909	162.9	25.77	-	-	-
Oklahoma	13,153	134.0	23.16	932	164.3	30.42	343	146.2	36.30
Texas	37,835	180.4	30.71	21,532	90.4	11.74	19,955	124.0	15.29
Mountain	**48,934**	**114.0**	**22.78**	**49,215**	**109.0**	**20.83**	**550**	**114.6**	**21.96**
Arizona	10,920	139.4	29.55	4,324	127.2	26.94	-	-	-
Colorado	15,152	106.3	20.84	591	106.9	23.73	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Montana	99	100.4	13.21	10,125	57.3	9.78	-	-	-
Nevada	1,937	176.6	38.68	5,130	143.0	31.96	-	-	-
New Mexico	-	-	-	15,238	123.8	22.61	-	-	-
Utah	10,218	124.9	27.97	3,167	120.7	28.31	-	-	-
Wyoming	10,608	64.6	10.77	10,640	101.0	18.57	550	114.6	21.96
Pacific	**682**	**125.1**	**21.43**	**4,924**	**160.1**	**25.95**	**-**	**-**	**-**
California	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-
Washington	682	125.1	21.43	4,924	160.1	25.95	-	-	-
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-
Total	**201,635**	**139.4**	**25.15**	**218,608**	**145.8**	**29.64**	**94,106**	**157.9**	**34.51**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 45. Receipts and Average Delivered Cost of Coal by Sulfur Content, by Census Division and State, 1989 (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 Purchases	
	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	(cents per 10^6 Btu)	($ per short ton)
New England	**476**	**160.2**	**41.79**	**674**	**168.3**	**45.15**	**-**	**-**	**-**	**169.9**	**44.54**
Connecticut	-	-	-	-	-	-	-	-	-	213.7	56.88
Maine	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	417	156.1	40.62	-	-	-	-	-	-	160.2	41.68
New Hampshire	60	188.8	50.01	674	168.3	45.15	-	-	-	172.8	46.18
Rhode Island	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**20,564**	**145.9**	**36.23**	**15,625**	**142.7**	**35.77**	**5,728**	**152.5**	**36.81**	**148.9**	**37.03**
New Jersey	29	186.8	48.51	674	176.9	46.26	-	-	-	175.8	46.84
New York	3,719	150.9	38.81	3,134	147.0	38.21	60	137.0	34.70	157.2	40.32
Pennsylvania	16,816	144.7	35.63	11,817	139.4	34.53	5,668	152.7	36.84	144.6	35.50
East North Central	**8,897**	**138.7**	**33.38**	**32,548**	**137.3**	**31.12**	**40,444**	**145.9**	**33.02**	**154.4**	**34.10**
Illinois	1,613	131.7	29.67	7,307	146.1	32.22	6,612	153.1	32.44	181.1	38.78
Indiana	1,405	115.9	26.15	12,689	121.1	26.85	13,700	132.9	29.59	135.9	29.08
Michigan	-	-	-	424	164.7	38.84	122	180.8	43.75	172.1	38.83
Ohio	3,689	139.5	34.31	10,191	142.5	33.85	19,848	152.3	35.55	148.7	35.21
Wisconsin	2,191	155.1	39.17	1,938	173.8	38.99	162	132.0	28.86	144.8	28.10
West North Central	**527**	**129.1**	**30.06**	**6,682**	**140.5**	**31.39**	**10,185**	**132.0**	**28.66**	**114.4**	**19.85**
Iowa	58	114.7	26.80	1,905	131.5	29.10	545	176.4	39.36	121.8	21.77
Kansas	37	122.6	28.89	367	162.6	38.07	933	129.1	26.99	123.9	22.00
Minnesota	90	159.0	37.10	13	146.3	34.28	-	-	-	119.8	21.01
Missouri	342	124.4	28.88	4,397	142.4	31.81	8,707	129.5	28.16	135.0	28.00
Nebraska	-	-	-	-	-	-	-	-	-	82.7	14.32
North Dakota	-	-	-	-	-	-	-	-	-	69.4	9.13
South Dakota	-	-	-	-	-	-	-	-	-	124.1	15.24
South Atlantic	**15,146**	**155.4**	**38.51**	**17,213**	**162.7**	**39 83**	**11,403**	**138.5**	**33.55**	**165.3**	**41.07**
Delaware	402	158.9	41.69	-	-	-	-	-	-	179.3	46.41
District of Columbia	-	-	-	-	-	-	-	-	-	-	-
Florida	111	195.4	49.68	8,607	177.9	43.06	1,543	143.3	34.17	178.7	44.26
Georgia	4,174	172.8	42.25	3,232	167.6	39.97	3,116	169.6	37.79	174.9	42.33
Maryland	3,938	163.3	41.14	928	167.1	42.50	35	151.4	39.48	161.1	40.92
North Carolina	47	178.7	44.48	6	171.4	41.31	-	-	-	177.0	44.35
South Carolina	736	175.6	43.80	61	156.9	40.12	-	-	-	170.7	43.08
Virginia	127	161.8	41.23	-	-	-	-	-	-	154.8	39.29
West Virginia	5,612	132.9	32.65	4,379	129.8	32.79	6,709	124.6	31.41	142.5	35.33
East South Central	**8,561**	**139.4**	**33.73**	**24,470**	**140.7**	**33.06**	**14,635**	**107.4**	**23.91**	**142.9**	**33.73**
Alabama	2,669	182.7	44.66	7,284	184.6	44.03	1,462	108.0	25.11	186.5	44.84
Kentucky	1,064	118.5	27.60	7,457	108.2	24.85	13,164	107.3	23.77	113.7	26.13
Mississippi	-	-	-	1,524	143.5	35.85	-	-	-	167.1	42.29
Tennessee	4,828	119.8	29.03	8,205	129.3	30.26	9	129.4	30.62	134.3	31.94
West South Central	**4,963**	**103.7**	**12.45**	**2**	**100.4**	**26.47**	**115**	**103.1**	**26.51**	**147.5**	**22.69**
Arkansas	-	-	-	-	-	-	-	-	-	163.1	28.45
Louisiana	-	-	-	-	-	-	-	-	-	162.7	26.64
Oklahoma	90	141.1	34.75	2	100.4	26.47	115	103.1	26.51	136.1	24.03
Texas	4,874	102.2	12.03	-	-	-	-	-	-	144.9	21.12
Mountain	**9**	**108.3**	**20.73**	**-**	**-**	**-**	**-**	**-**	**-**	**111.6**	**21.80**
Arizona	-	-	-	-	-	-	-	-	-	136.0	28.81
Colorado	9	108.3	20.73	-	-	-	-	-	-	106.4	20.95
Idaho	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	57.7	9.81
Nevada	-	-	-	-	-	-	-	-	-	152.0	33.80
New Mexico	-	-	-	-	-	-	-	-	-	123.8	22.61
Utah	-	-	-	-	-	-	-	-	-	123.9	28.05
Wyoming	-	-	-	-	-	-	-	-	-	84.5	14.86
Pacific	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**155.6**	**25.40**
California	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	155.6	25.40
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-
Total	**59,144**	**144.6**	**34.01**	**97,213**	**144.2**	**34.01**	**82,510**	**136.9**	**31.19**	**144.5**	**30.12**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 46. Receipts and Average Delivered Cost of Petroleum by Sulfur Content, Census Division and State, 1989

Census Division and State	0.3% or Less			More than 0.3% up to 0.5%			More than 0.5% up to 1.0%		
	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)
New England	**99**	**297.5**	**18.82**	**4,660**	**305.8**	**19.17**	**29,950**	**276.0**	**17.43**
Connecticut	99	297.5	18.82	4,212	306.7	19.22	14,606	279.1	17.63
Maine	-	-	-	47	237.8	14.87	4,229	284.1	17.85
Massachusetts	-	-	-	401	304.2	19.14	10,400	268.8	17.00
New Hampshire	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-	715	270.3	17.00
Vermont	-	-	-	-	-	-	-	-	-
Middle Atlantic	**33,664**	**312.2**	**19.43**	**10,114**	**308.5**	**19.28**	**30,870**	**285.0**	**18.09**
New Jersey	9,599	306.3	19.05	748	293.0	18.33	1,810	286.5	18.20
New York	24,000	314.5	19.58	5,524	309.4	19.28	21,748	288.7	18.29
Pennsylvania	65	339.0	21.00	3,841	310.1	19.46	7,312	273.8	17.44
East North Central	**-**	**-**	**-**	**10**	**279.1**	**17.89**	**3,947**	**316.5**	**19.76**
Illinois	-	-	-	-	-	-	1,932	336.4	21.30
Indiana	-	-	-	-	-	-	-	-	-
Michigan	-	-	-	-	-	-	1,989	297.4	18.31
Ohio	-	-	-	10	279.1	17.89	26	253.2	16.21
Wisconsin	-	-	-	-	-	-	-	-	-
West North Central	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Iowa	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-	-	-	-
Missouri	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-
South Atlantic	**84**	**279.4**	**17.42**	**-**	**-**	**-**	**43,326**	**280.2**	**17.70**
Delaware	-	-	-	-	-	-	2,800	275.5	17.51
District of Columbia	-	-	-	-	-	-	1,246	343.1	20.66
Florida	-	-	-	-	-	-	29,274	276.5	17.55
Georgia	-	-	-	-	-	-	-	-	-
Maryland	84	279.4	17.42	-	-	-	6,660	285.4	18.00
North Carolina	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	3,346	283.7	17.40
West Virginia	-	-	-	-	-	-	-	-	-
East South Central	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Alabama	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	-	-	-	-	-	-
Tennessee	-	-	-	-	-	-	-	-	-
West South Central	**215**	**285.8**	**18.08**	**531**	**287.3**	**17.90**	**400**	**307.4**	**19.48**
Arkansas	-	-	-	135	326.1	20.48	-	-	-
Louisiana	-	-	-	-	-	-	135	269.9	18.30
Oklahoma	-	-	-	-	-	-	-	-	-
Texas	215	285.8	18.08	397	273.9	17.03	266	328.6	20.07
Mountain	**-**	**-**	**-**	**1**	**272.0**	**16.29**	**702**	**272.7**	**17.03**
Arizona	-	-	-	1	272.0	16.29	44	273.0	17.01
Colorado	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	628	274.1	17.14
New Mexico	-	-	-	-	-	-	29	241.1	14.68
Utah	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-
Pacific	**8,960**	**319.9**	**19.54**	**593**	**299.1**	**18.74**	**-**	**-**	**-**
California	8,930	320.1	19.55	593	299.1	18.74	-	-	-
Oregon	-	-	-	-	-	-	-	-	-
Washington	30	253.6	15.98	-	-	-	-	-	-
Pacific Noncontiguous	**-**	**-**	**-**	**10,292**	**329.0**	**20.55**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	10,292	329.0	20.55	-	-	-
Total	**43,022**	**313.5**	**19.44**	**26,201**	**315.4**	**19.72**	**109,194**	**281.8**	**17.81**

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

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator 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 46. Receipts and Average Delivered Cost of Petroleum by Sulfur Content, Census Divison and State, 1989 (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%			All Purchases	
	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	(cents per 10^6 Btu)	($ per bbl)
New England	**9,230**	**246.8**	**15.93**	**14,865**	**257.0**	**16.20**	**-**	**-**	**-**	**268.9**	**17.02**
Connecticut	16	383.5	24.15	-	-	-	-	-	-	285.4	18.00
Maine	76	228.9	14.38	575	242.5	15.33	-	-	-	277.9	17.47
Massachusetts	4,057	273.3	17.33	14,290	257.6	16.24	-	-	-	264.4	16.70
New Hampshire	5,082	226.2	14.81	-	-	-	-	-	-	226.2	14.81
Rhode Island	-	-	-	-	-	-	-	-	-	270.3	17.00
Vermont	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**14,211**	**267.5**	**16.99**	**-**	**-**	**-**	**-**	**-**	**-**	**295.0**	**18.56**
New Jersey	-	-	-	-	-	-	-	-	-	302.5	18.88
New York	14,211	267.5	16.99	-	-	-	-	-	-	295.1	18.57
Pennsylvania	-	-	-	-	-	-	-	-	-	286.5	18.15
East North Central	**353**	**266.2**	**17.11**	**-**	**-**	**-**	**-**	**-**	**-**	**312.2**	**19.54**
Illinois	-	-	-	-	-	-	-	-	-	336.4	21.30
Indiana	-	-	-	-	-	-	-	-	-	-	-
Michigan	-	-	-	-	-	-	-	-	-	297.4	18.31
Ohio	353	266.2	17.11	-	-	-	-	-	-	265.7	17.07
Wisconsin	-	-	-	-	-	-	-	-	-	-	-
West North Central	**73**	**208.1**	**13.15**	**40**	**243.7**	**15.69**	**18**	**160.4**	**10.26**	**212.5**	**13.53**
Iowa	-	-	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-	-	-	-	-	-
Missouri	13	176.8	11.33	34	251.7	16.32	18	160.4	10.26	211.6	13.64
Nebraska	60	215.3	13.56	-	-	-	-	-	-	215.3	13.56
North Dakota	-	-	-	6	193.3	11.93	-	-	-	193.3	11.93
South Dakota	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	**11,702**	**255.7**	**16.12**	**5,699**	**243.1**	**15.43**	**71**	**254.3**	**16.02**	**271.9**	**17.18**
Delaware	369	261.6	16.68	401	253.5	16.15	-	-	-	271.6	17.27
District of Columbia	-	-	-	-	-	-	-	-	-	343.1	20.66
Florida	5,198	253.4	16.07	5,268	242.1	15.36	71	254.3	16.02	268.9	17.07
Georgia	-	-	-	31	276.5	17.07	-	-	-	276.5	17.07
Maryland	3,574	247.4	15.64	-	-	-	-	-	-	272.2	17.18
North Carolina	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-	-	-
Virginia	2,561	271.3	16.82	-	-	-	-	-	-	278.3	17.15
West Virginia	-	-	-	-	-	-	-	-	-	-	-
East South Central	**-**	**-**	**-**	**1,209**	**248.1**	**15.76**	**-**	**-**	**-**	**248.1**	**15.76**
Alabama	-	-	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	1,209	248.1	15.76	-	-	-	248.1	15.76
Tennessee	-	-	-	-	-	-	-	-	-	-	-
West South Central	**179**	**297.3**	**18.84**	**-**	**-**	**-**	**-**	**-**	**-**	**294.5**	**18.53**
Arkansas	-	-	-	-	-	-	-	-	-	326.1	20.48
Louisiana	179	297.3	18.84	-	-	-	-	-	-	285.1	18.61
Oklahoma	-	-	-	-	-	-	-	-	-	-	-
Texas	-	-	-	-	-	-	-	-	-	293.2	18.21
Mountain	**28**	**282.3**	**17.77**	**-**	**-**	**-**	**-**	**-**	**-**	**273.1**	**17.06**
Arizona	28	282.3	17.77	-	-	-	-	-	-	276.6	17.29
Colorado	-	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	274.1	17.14
New Mexico	-	-	-	-	-	-	-	-	-	241.1	14.68
Utah	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-
Pacific	**1,572**	**242.2**	**15.33**	**-**	**-**	**-**	**-**	**-**	**-**	**307.4**	**18.90**
California	1,572	242.2	15.33	-	-	-	-	-	-	307.6	18.91
Oregon	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	253.6	15.98
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**329.0**	**20.55**
Alaska	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	329.0	20.55
Total	**37,349**	**257.6**	**16.39**	**21,814**	**252.8**	**15.97**	**89**	**235.0**	**14.85**	**284.6**	**17.92**

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

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator 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."

Coal Origin-by-Destination Data

This section includes data on the origin and destination of coal delivered to steam-electric plants. The origin of coal by Bureau of Mines (BOM) District is contained in Table 47. (See Table A1 in Appendix A for a complete listing of the Bureau of Mines (BOM) Districts.) Listed under each district are the origin States (shown in boldface) that make up the district, and the amount of coal originated in each State. Directly below each origin State is a list of States of destination showing how much coal was delivered to steam-electric plants from that particular origin State. It should be noted that in some cases, an origin State can be located in more than one BOM District. West Virginia, for example, is in Districts 3, 5, 7, and 8.

Data by Census division and destination State are contained in Table 48. Each Census division lists the destination States (shown in boldface) and the amount of coal delivered to steam-electric plants in that particular State. Shown for each destination State is the BOM District and the States from which the coal originated. The percentages shown under the heading "Percent of Receipts," Surface and Spot, represent the percent of total coal shipments surface-mined (versus coal mined underground) and the percent purchased in the spot market (versus coal purchased under contract).

Table 49 contains data on the origin of coal delivered to each steam-electric plant reporting coal receipts. The utilities are in alphabetical order, and next to each utility is the name of the plant that it operates. Under each plant is the State and county from which the coal originated and the corresponding quantity, quality, and cost information. On some occasions, the county of origin of the coal delivered could not be determined by the utility. Therefore, the receipt data are shown under the State of origin as "Unknown."

It is not uncommon for a utility to report a tipple (an apparatus at a central facility used in loading coal for transportation by rail or truck) as the source of the coal and list the county that the tipple is located in as the county-of-origin. In some cases the coal delivered to the tipple comes from various surrounding counties. No adjustment to the data are made to compensate for this.

The following holding companies are covered in this chapter.

AEP - American Electric Power

APS - Allegheny Power System

ACE - Atlantic City Electric

CSW - Central & South West Coop.

DMV - Delmarva

GPU - General Public Utilities

MSU - Middle South Utilities

NEES - New England Electric System

NEGA - New England Gas & Electric Assoc.

NU - Northeast Utilities

SC - Southern Company

TU - Texas Utilities

Table 47. Origin and Destination of Coal Received by Bureau of Mines District and State, 1989

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
District 1	**39,218**	**52.7**	**31.1**	**12,332**	**1.76**	**13.8**	**149.0**	**36.75**
Maryland	**2,369**	**57.3**	**48.4**	**12,512**	**1.64**	**12.9**	**147.0**	**36.78**
Delaware	7	-	-	12,945	1.50	10.5	138.8	35.94
Maryland	1,437	60.1	45.5	12,750	1.60	11.6	165.6	42.23
West Virginia	925	53.3	53.3	12,140	1.71	15.1	116.6	28.32
Pennsylvania	**32,470**	**56.5**	**30.5**	**12,303**	**1.77**	**13.9**	**149.7**	**36.84**
Delaware	456	39.7	28.0	12,754	1.50	9.9	163.0	41.58
Maryland	2,360	100.0	3.3	12,431	1.89	12.8	171.1	42.54
Massachusetts	373	19.0	79.1	13,088	1.42	9.2	159.7	41.80
Michigan	132	100.0	42.4	12,757	2.83	9.2	170.8	43.58
New Jersey	22	100.0	100.0	13,107	1.10	8.1	180.3	47.27
New York	3,353	94.0	63.7	12,251	1.72	12.3	148.4	36.35
Ohio	517	100.0	90.7	12,668	2.59	9.5	129.4	32.79
Pennsylvania	25,229	47.1	26.5	12,268	1.75	14.5	147.8	36.26
West Virginia	27	100.0	100.0	12,274	1.76	14.8	122.3	30.03
West Virginia	**4,379**	**21.9**	**26.6**	**12,445**	**1.75**	**12.9**	**145.0**	**36.08**
Maryland	398	1.8	100.0	12,865	1.66	10.7	157.3	40.48
Massachusetts	158	-	-	13,065	1.44	9.3	150.9	39.43
West Virginia	3,823	24.9	20.1	12,376	1.77	13.3	143.4	35.48
District 2	**14,501**	**41.4**	**42.5**	**12,785**	**1.76**	**8.9**	**146.1**	**37.37**
Pennsylvania	**14,501**	**41.4**	**42.5**	**12,785**	**1.76**	**8.9**	**146.1**	**37.37**
Kentucky	19	100.0	46.9	12,322	2.51	13.2	128.1	31.57
Maryland	21	33.3	100.0	12,847	1.97	8.8	163.5	42.02
Massachusetts	581	1.4	75.4	13,035	1.37	7.5	167.1	43.57
Michigan	1,627	1.4	27.1	13,002	1.21	7.4	172.3	44.81
New Hampshire	221	-	70.5	13,201	1.30	6.6	174.3	46.02
New Jersey	29	100.0	100.0	12,965	2.03	6.8	187.3	48.56
New York	2,598	43.2	46.1	13,115	1.67	6.8	150.1	39.37
Ohio	2,488	77.4	36.2	12,509	2.07	10.5	135.3	33.85
Pennsylvania	5,157	54.5	53.0	12,502	1.92	10.6	136.1	34.04
West Virginia	281	19.1	87.0	12,944	1.58	7.6	119.5	30.95
Wisconsin	1,479	-	-	13,226	1.70	6.8	153.1	40.50
District 3	**30,470**	**18.8**	**20.4**	**12,744**	**2.02**	**10.1**	**145.9**	**37.19**
West Virginia	**30,470**	**18.8**	**20.4**	**12,744**	**2.02**	**10.1**	**145.9**	**37.19**
Delaware	1,023	8.9	.7	13,134	.95	8.5	187.6	49.29
Florida	608	-	8.7	13,194	2.16	7.7	183.8	48.49
Illinois	7	100.0	100.0	12,392	.66	6.7	167.2	41.44
Indiana	23	100.0	100.0	12,815	3.72	11.8	127.0	32.56
Maryland	2,882	39.9	35.1	12,853	1.28	9.2	148.4	38.15
Massachusetts	1,199	12.6	4.6	12,995	1.24	8.4	155.0	40.28
Michigan	38	52.6	100.0	12,500	2.66	11.8	154.8	38.70
New Hampshire	626	-	80.6	13,417	2.25	7.0	169.0	45.35
New Jersey	1,687	36.3	9.4	13,036	1.50	8.6	177.4	46.25
New York	2,447	.4	7.3	13,188	2.34	7.8	149.2	39.35
Ohio	1,035	50.8	47.8	12,697	1.92	10.0	137.0	34.79
Pennsylvania	6,663	16.0	15.6	12,639	2.03	10.5	137.1	34.64
Tennessee	18	-	-	12,421	2.60	11.4	139.5	34.65
Virginia	60	11.2	100.0	12,370	1.11	12.6	167.6	41.46
West Virginia	12,104	17.0	21.0	12,535	2.35	11.5	137.6	34.49
Wisconsin	48	.6	100.0	13,567	2.38	7.4	168.3	45.67
District 4	**30,413**	**61.9**	**26.7**	**11,688**	**3.27**	**11.3**	**156.2**	**36.52**
Ohio	**30,413**	**61.9**	**26.7**	**11,688**	**3.27**	**11.3**	**156.2**	**36.52**
Alabama	2,352	100.0	-	11,562	2.30	11.6	206.3	47.71
Indiana	13	100.0	100.0	11,527	2.10	12.1	129.3	29.80
Kentucky	124	100.0	48.6	11,280	2.51	12.0	129.4	29.20
Michigan	217	88.2	32.4	11,804	2.93	9.7	179.0	42.27
New Hampshire	16	-	100.0	12,534	3.00	7.2	182.7	45.80
New Jersey	7	100.0	100.0	12,521	2.14	9.0	196.4	49.18
New York	35	100.0	100.0	12,365	2.15	9.7	155.2	38.39
Ohio	24,417	63.6	29.6	11,639	3.29	11.3	153.9	35.82
Pennsylvania	2,286	20.3	4.6	12,113	3.91	11.6	152.5	36.94
West Virginia	935	10.4	61.6	12,203	4.04	10.9	102.3	24.97
Wisconsin	9	-	-	12,612	1.41	9.9	163.6	41.28

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

Table 47: Origin and Destination of Coal Received by Bureau of Mines District and State, 1989 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
District 6	**8,175**	**2.0**	**4.6**	**12,176**	**3.88**	**11.0**	**136.8**	**33.31**
West Virginia	**8,175**	**2.0**	**4.6**	**12,176**	**3.88**	**11.0**	**136.8**	**33.31**
New Hampshire	119	-	100.0	13,336	2.51	6.4	163.8	43.68
Ohio	3,617	4.2	3.7	12,246	3.65	9.7	127.4	31.21
Pennsylvania	2,788	.6	-	12,082	4.04	11.8	151.8	36.68
West Virginia	1,651	-	7.4	12,099	4.20	13.1	130.0	31.46
District 7	**1,350**	**36.1**	**9.9**	**13,118**	**1.09**	**8.1**	**174.6**	**45.80**
Virginia	**1,315**	**36.0**	**7.5**	**13,128**	**1.10**	**8.0**	**174.9**	**45.91**
Massachusetts	38	100.0	-	12,846	1.23	8.0	155.3	39.89
Michigan	598	22.3	-	13,319	1.22	7.3	176.2	46.93
New Hampshire	7	-	100.0	14,125	.75	4.8	215.3	60.82
Virginia	626	48.3	7.3	12,893	1.00	9.1	175.1	45.14
Wisconsin	45	-	100.0	13,926	.79	4.1	164.2	45.74
West Virginia	**35**	**39.7**	**100.0**	**12,757**	**.89**	**10.7**	**163.6**	**41.73**
Alabama	6	100.0	100.0	11,831	.85	11.7	121.5	28.74
Massachusetts	6	-	100.0	12,508	.70	15.9	170.2	42.57
New Jersey	6	-	100.0	13,353	.66	9.9	180.6	48.23
North Carolina	10	-	100.0	13,271	1.26	7.4	164.5	43.66
Virginia	5	100.0	100.0	12,060	.80	12.9	164.0	39.56
Wisconsin	3	100.0	100.0	13,371	.66	8.1	188.2	50.34
District 8	**142,545**	**45.1**	**28.9**	**12,442**	**1.02**	**10.0**	**166.0**	**41.31**
Kentucky	**81,658**	**50.2**	**29.9**	**12,377**	**1.07**	**9.7**	**168.6**	**41.73**
Alabama	591	53.9	43.9	11,837	1.66	11.3	136.9	32.41
Connecticut	849	-	6.9	13,297	.53	6.1	214.6	57.07
Delaware	24	-	25.0	12,424	.75	7.8	177.3	44.06
Florida	10,121	43.8	18.5	12,709	.96	8.0	180.4	45.85
Georgia	12,367	62.4	34.8	12,247	1.39	10.7	166.2	40.70
Illinois	1,367	37.0	25.7	13,099	.69	6.4	167.0	43.76
Indiana	902	22.3	26.1	12,640	.71	8.2	206.6	52.23
Iowa	9	100.0	100.0	11,529	2.76	9.2	126.7	29.21
Kentucky	7,638	69.6	43.0	12,038	1.12	11.3	127.8	30.77
Maryland	714	74.5	15.3	12,910	.76	7.8	165.4	42.71
Massachusetts	23	96.9	100.0	12,825	.89	9.1	137.6	35.30
Michigan	7,425	41.7	17.0	12,664	.83	8.5	194.1	49.17
Minnesota	1	-	100.0	12,754	.75	7.0	198.4	50.61
Mississippi	1,917	1.4	4.2	12,789	.80	7.6	185.6	47.47
Missouri	1	-	100.0	14,020	.60	5.4	212.0	59.44
New Jersey	64	11.0	100.0	12,988	.77	6.6	182.0	47.28
New York	542	-	-	13,193	.51	7.7	200.4	52.88
North Carolina	9,169	44.6	18.9	12,553	.94	8.8	180.5	45.31
Ohio	8,552	66.9	46.1	11,737	1.15	12.8	155.1	36.42
South Carolina	8,596	34.6	37.8	12,564	1.09	9.2	172.7	43.39
Tennessee	5,870	50.9	13.4	11,814	1.25	11.5	154.0	36.40
Virginia	3,553	52.1	59.5	12,670	1.02	8.5	156.2	39.58
West Virginia	1,079	85.4	47.0	12,151	.98	10.1	166.5	40.46
Wisconsin	284	85.6	55.3	12,850	1.07	8.7	169.7	43.61
Tennessee	**3,963**	**5.7**	**34.2**	**12,587**	**1.45**	**9.6**	**145.2**	**36.55**
Alabama	26	-	26.1	11,952	1.03	12.5	117.1	28.00
Florida	90	100.0	-	12,733	1.02	6.8	216.1	55.03
Georgia	1,140	4.8	24.1	12,854	1.07	8.0	198.0	50.90
Kentucky	541	3.8	67.4	12,433	2.60	11.6	105.2	26.15
North Carolina	166	-	-	12,511	1.35	9.6	186.8	46.74
South Carolina	135	.2	99.9	12,530	1.40	9.1	156.8	39.29
Tennessee	1,866	3.3	30.9	12,481	1.40	10.2	115.9	28.93
Virginia	**16,684**	**33.7**	**17.6**	**12,878**	**1.15**	**9.5**	**166.1**	**42.79**
Delaware	76	-	-	13,234	.87	8.0	200.1	52.95
Florida	838	-	2.0	12,498	.72	9.0	232.8	58.18
Georgia	3,277	43.2	29.2	12,836	1.40	10.0	171.6	44.06
Illinois	6	-	100.0	13,169	.77	6.0	185.3	48.82
Massachusetts	1,718	-	-	13,036	1.19	7.5	162.7	42.42
New Hampshire	35	-	100.0	13,991	1.29	5.4	217.2	60.78
New Jersey	1,122	6.7	19.0	13,878	.85	5.3	172.7	47.94
North Carolina	4,283	59.2	7.8	12,700	1.02	10.7	171.7	43.61
Ohio	33	33.3	100.0	13,012	1.37	7.9	183.9	47.86
South Carolina	1,047	71.5	15.2	13,074	1.30	9.1	156.8	41.00

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 47. Origin and Destination of Coal Received by Bureau of Mines District and State, 1989 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
District 8								
Virginia								
Tennessee	1,276	0.5	15.2	12,951	1.87	9.0	123.8	32.06
Virginia	2,975	27.8	33.1	12,694	.88	10.7	152.9	38.82
West Virginia	**40,241**	**43.3**	**30.9**	**12,380**	**.81**	**10.9**	**162.7**	**40.29**
Alabama	112	32.5	67.5	11,978	.78	10.9	161.1	38.60
Connecticut	26	-	100.0	13,661	.66	6.5	185.3	50.64
Delaware	331	20.3	24.5	12,589	.73	9.5	171.2	43.10
Florida	1,391	64.4	9.4	12,362	.80	11.6	180.8	44.71
Georgia	1,355	-	-	12,054	.65	11.7	242.9	58.55
Illinois	281	-	43.4	13,242	.69	6.6	170.0	45.02
Indiana	254	59.8	40.2	12,325	.69	9.9	193.9	47.79
Kentucky	2,435	54.2	54.5	12,191	.81	11.2	117.5	28.65
Louisiana	195	-	-	13,003	.66	6.7	201.7	52.46
Maryland	435	54.0	38.2	12,675	.70	9.6	156.5	39.67
Massachusetts	230	80.2	56.9	12,869	.91	8.7	155.6	40.05
Michigan	6,249	67.3	27.7	12,728	.74	9.3	179.7	45.75
Mississippi	27	61.4	100.0	12,132	1.57	9.2	143.4	34.79
New Hampshire	40	-	100.0	13,043	.76	7.2	200.6	52.33
New Jersey	348	18.2	75.2	13,030	.77	8.2	174.9	45.57
New York	903	3.2	3.2	12,923	.62	7.8	205.0	52.99
North Carolina	4,785	26.4	19.0	12,335	.77	11.4	174.7	43.10
Ohio	7,928	54.4	35.2	12,031	.94	12.5	145.7	35.06
Pennsylvania	8	-	100.0	13,237	.84	7.5	213.2	56.44
South Carolina	27	16.4	84.7	12,482	1.26	11.6	171.7	42.87
Virginia	2,520	33.5	59.2	12,684	.87	9.2	149.6	37.95
West Virginia	10,288	36.1	28.7	12,339	.83	11.2	154.3	38.07
Wisconsin	74	100.0	8.1	12,582	1.35	9.7	165.3	41.61
District 9	**38,782**	**50.9**	**29.0**	**11,529**	**3.30**	**11.3**	**121.9**	**28.12**
Kentucky	**38,782**	**50.9**	**29.0**	**11,529**	**3.30**	**11.3**	**121.9**	**28.12**
Alabama	1,534	31.1	70.4	11,765	3.21	10.8	118.0	27.77
Florida	4,859	26.9	55.4	12,349	2.94	9.0	153.9	38.02
Georgia	1,596	89.6	16.2	11,798	2.94	10.0	160.6	37.88
Illinois	166	91.7	93.4	11,358	2.37	10.3	117.4	26.67
Indiana	3,310	62.8	17.8	11,633	3.42	11.2	103.8	24.14
Iowa	66	100.0	100.0	11,379	2.67	9.7	127.2	28.96
Kentucky	17,837	45.8	29.5	11,174	3.74	13.6	107.8	24.10
Mississippi	395	66.4	100.0	12,187	2.56	7.2	134.2	32.71
Missouri	283	66.0	2.1	11,217	3.09	11.1	125.5	28.16
Ohio	832	84.6	37.6	11,368	2.50	9.5	134.5	30.57
Tennessee	7,769	61.9	4.0	11,675	2.71	8.4	130.1	30.39
West Virginia	31	-	-	11,875	3.83	14.1	130.0	30.87
Wisconsin	105	100.0	100.0	12,206	2.67	9.3	127.4	31.10
District 10	**53,818**	**31.4**	**12.8**	**11,162**	**2.63**	**9.5**	**157.1**	**35.07**
Illinois	**53,818**	**31.4**	**12.8**	**11,162**	**2.63**	**9.5**	**157.1**	**35.07**
Alabama	874	-	97.1	11,590	2.27	8.1	109.8	25.45
Florida	4,107	.6	.9	11,672	2.78	8.8	198.6	46.36
Georgia	5,188	-	1.5	11,366	2.61	9.1	182.0	41.37
Illinois	14,740	31.3	4.3	10,898	2.93	9.8	151.0	32.90
Indiana	8,801	25.5	12.2	10,887	2.59	10.5	160.1	34.86
Iowa	1,736	52.1	38.5	11,160	2.83	8.8	144.0	32.14
Kansas	645	58.7	69.8	11,193	2.94	10.9	146.8	32.86
Kentucky	9	100.0	100.0	11,200	1.93	8.6	115.7	25.92
Minnesota	57	-	-	12,149	1.64	7.1	194.2	47.19
Mississippi	1,116	94.5	14.7	12,600	2.51	8.2	146.7	36.97
Missouri	13,633	52.7	10.4	11,144	2.40	9.7	151.5	33.77
Tennessee	1,495	-	91.4	11,719	1.99	7.8	111.8	26.21
Wisconsin	1,418	34.7	9.2	11,540	1.99	8.0	145.0	33.46
District 11	**27,164**	**97.3**	**26.6**	**11,107**	**2.56**	**9.3**	**125.5**	**27.87**
Indiana	**27,164**	**97.3**	**26.6**	**11,107**	**2.56**	**9.3**	**125.5**	**27.87**
Alabama	374	100.0	100.0	11,609	3.42	7.9	105.9	24.58
Florida	508	80.0	84.9	11,357	3.40	9.5	130.2	29.58
Illinois	2,014	100.0	32.1	10,980	1.51	8.8	126.5	27.77
Indiana	18,942	97.1	20.9	11,090	2.72	9.5	121.1	26.85

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

Table 47. Origin and Destination of Coal Received by Bureau of Mines District and State, 1989 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
District 11								
Indiana								
Iowa	711	100.0	57.1	11,043	2.39	9.2	131.4	29.03
Kentucky	2,107	100.0	51.2	11,210	2.50	8.8	104.7	23.47
Michigan	149	100.0	41.4	10,955	2.53	10.1	155.1	33.98
Minnesota	68	100.0	100.0	11,458	1.88	8.4	138.1	31.65
Missouri	55	-	50.9	11,000	1.20	11.0	123.0	27.06
Ohio	86	100.0	100.0	10,870	2.85	10.4	100.4	21.83
Tennessee	6	-	100.0	11,601	1.60	7.6	129.1	29.95
Wisconsin	2,145	99.0	2.9	11,167	1.91	8.7	182.5	40.77
District 12	**46**	**100.0**	**-**	**10,213**	**3.66**	**10.2**	**152.9**	**31.24**
Iowa	**46**	**100.0**	**-**	**10,213**	**3.66**	**10.2**	**152.9**	**31.24**
Iowa	46	100.0	-	10,213	3.66	10.2	152.9	31.24
District 13	**15,703**	**51.6**	**11.9**	**12,160**	**1.33**	**12.4**	**197.6**	**48.04**
Alabama	**14,984**	**52.5**	**8.8**	**12,151**	**1.35**	**12.4**	**201.0**	**48.85**
Alabama	14,725	52.4	7.2	12,152	1.34	12.4	201.9	49.06
Florida	13	-	100.0	11,802	3.01	13.9	114.3	26.98
Georgia	246	60.8	100.0	12,131	2.00	12.1	153.3	37.20
Tennessee	**719**	**32.7**	**76.6**	**12,334**	**.76**	**11.9**	**126.5**	**31.21**
Alabama	719	32.7	76.6	12,334	.76	11.9	126.5	31.21
District 14	**110**	**100.0**	**100.0**	**13,120**	**1.27**	**10.0**	**143.5**	**37.66**
Oklahoma	**110**	**100.0**	**100.0**	**13,120**	**1.27**	**10.0**	**143.5**	**37.66**
Oklahoma	110	100.0	100.0	13,120	1.27	10.0	143.5	37.66
District 15	**56,155**	**100.0**	**7.1**	**6,705**	**1.21**	**16.2**	**110.1**	**14.77**
Kansas	**826**	**100.0**	**46.2**	**10,766**	**3.99**	**17.7**	**130.6**	**28.13**
Kansas	692	100.0	40.0	10,504	4.11	18.7	130.9	27.50
Missouri	134	100.0	78.0	12,122	3.32	12.3	129.4	31.38
Louisiana	**2,981**	**100.0**	**8.3**	**6,858**	**.54**	**12.2**	**127.4**	**17.48**
Louisiana	2,981	100.0	8.3	6,858	.54	12.2	127.4	17.48
Missouri	**3,071**	**100.0**	**1.1**	**10,487**	**4.50**	**13.0**	**133.5**	**28.01**
Missouri	3,071	100.0	1.1	10,487	4.50	13.0	133.5	28.01
Oklahoma	**996**	**100.0**	**65.6**	**12,223**	**2.24**	**10.4**	**140.2**	**34.28**
Missouri	302	100.0	37.1	12,110	3.96	13.3	135.9	32.92
Oklahoma	693	100.0	78.0	12,273	1.49	9.2	142.1	34.87
Texas	**48,282**	**100.0**	**5.5**	**6,272**	**.97**	**16.7**	**104.6**	**13.13**
Texas	48,282	100.0	5.5	6,272	.97	16.7	104.6	13.13
District 16	**10**	**100.0**	**100.0**	**10,378**	**.24**	**7.9**	**105.2**	**21.83**
Colorado	**10**	**100.0**	**100.0**	**10,378**	**.24**	**7.9**	**105.2**	**21.83**
Colorado	10	100.0	100.0	10,378	.24	7.9	105.2	21.83
District 17	**14,327**	**61.1**	**14.2**	**10,686**	**.41**	**8.3**	**142.2**	**30.40**
Colorado	**14,139**	**60.9**	**14.0**	**10,667**	**.41**	**8.2**	**141.9**	**30.28**
Arizona	648	89.1	-	11,979	.41	16.4	172.0	41.20
Colorado	10,152	63.8	17.9	10,541	.40	8.1	109.2	23.02
Illinois	59	-	100.0	11,266	.47	9.7	179.5	40.45
Indiana	256	-	18.6	10,855	.43	9.8	301.3	65.41
Missouri	62	85.5	85.5	10,823	.36	5.2	186.9	40.45
Nebraska	80	-	-	12,319	.56	7.5	181.8	44.80
Texas	1,537	97.9	-	10,705	.37	5.0	221.8	47.50
Utah	1,343	-	-	10,776	.44	8.7	239.8	51.68
New Mexico	**189**	**79.5**	**27.4**	**12,103**	**.55**	**14.3**	**163.3**	**39.53**
Arizona	137	100.0	-	11,993	.55	15.0	168.6	40.45
Colorado	32	-	100.0	12,455	.52	11.7	130.2	32.42
Illinois	20	66.7	100.0	12,292	.56	13.2	182.2	44.79
District 18	**33,835**	**100.0**	**-**	**9,952**	**.63**	**15.5**	**128.3**	**25.53**
Arizona	**11,907**	**100.0**	**-**	**11,041**	**.50**	**9.0**	**106.6**	**23.54**
Arizona	7,769	100.0	-	11,064	.49	8.5	97.7	21.61
Nevada	4,137	100.0	-	10,997	.52	9.9	123.4	27.15
New Mexico	**21,928**	**100.0**	**-**	**9,361**	**.70**	**19.1**	**142.1**	**26.61**
Arizona	6,690	100.0	-	9,891	.49	13.9	180.6	35.73
New Mexico	15,238	100.0	-	9,129	.79	21.4	123.8	22.61

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

Table 47. Origin and Destination of Coal Received by Bureau of Mines District and State, 1989 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
District 19	**165,633**	**99.2**	**12.0**	**8,664**	**0.38**	**5.6**	**136.5**	**23.66**
Wyoming	**165,633**	**99.2**	**12.0**	**8,664**	**.38**	**5.6**	**136.5**	**23.66**
Arkansas	11,502	100.0	-	8,720	.34	5.3	163.1	28.45
Colorado	5,558	100.0	3.8	8,567	.32	4.8	99.9	17.11
Georgia	188	100.0	100.0	8,736	.38	5.6	137.3	23.98
Illinois	3,514	100.0	2.4	9,469	.45	8.4	290.5	55.01
Indiana	7,717	83.8	28.8	8,883	.38	5.1	140.5	24.97
Iowa	11,748	100.0	24.0	8,463	.35	5.3	116.5	19.72
Kansas	13,388	100.0	7.1	8,680	.35	5.1	122.1	21.19
Kentucky	22	100.0	100.0	8,397	.31	5.4	124.2	20.86
Louisiana	8,418	100.0	-	8,546	.45	5.5	171.4	29.29
Michigan	1,135	100.0	100.0	8,815	.31	5.0	117.4	20.69
Minnesota	7,097	100.0	.4	8,792	.27	4.8	110.5	19.43
Missouri	7,198	100.0	26.1	8,691	.38	5.4	95.5	16.60
Nebraska	7,393	100.0	18.5	8,625	.36	5.1	81.1	14.00
Nevada	555	100.0	-	9,615	.45	8.7	200.1	38.48
Oklahoma	13,831	100.0	5.5	8,618	.39	5.2	135.6	23.37
Texas	34,157	100.0	12.9	8,538	.36	5.2	182.2	31.11
Washington	627	100.0	100.0	8,474	.34	5.2	124.6	21.12
Wisconsin	9,786	100.0	12.7	8,598	.34	5.1	127.7	21.96
Wyoming	21,798	100.0	8.9	8,788	.52	7.9	84.5	14.86
District 20	**14,683**	**.3**	**9.5**	**11,438**	**.50**	**11.4**	**125.7**	**28.75**
Utah	**14,683**	**.3**	**9.5**	**11,438**	**.50**	**11.4**	**125.7**	**28.75**
Missouri	48	100.0	100.0	11,350	.45	8.1	183.3	41.61
Nevada	2,375	-	-	11,675	.54	9.0	189.7	44.30
Texas	218	-	40.1	11,878	.54	6.6	170.8	40.59
Utah	12,042	-	10.5	11,383	.49	11.9	111.6	25.41
District 21	**23,423**	**100.0**	**1.4**	**6,541**	**.74**	**9.0**	**73.9**	**9.67**
North Dakota	**23,423**	**100.0**	**1.4**	**6,541**	**.74**	**9.0**	**73.9**	**9.67**
Minnesota	1	100.0	-	6,819	.96	10.8	176.4	24.05
North Dakota	21,359	100.0	1.5	6,580	.73	9.2	69.4	9.13
South Dakota	2,063	100.0	-	6,137	.89	7.7	124.1	15.24
District 22	**36,082**	**100.0**	**5.8**	**8,973**	**.54**	**7.2**	**132.8**	**23.84**
Montana	**36,082**	**100.0**	**5.8**	**8,973**	**.54**	**7.2**	**132.8**	**23.84**
Georgia	54	100.0	100.0	9,348	.32	4.1	181.1	33.86
Illinois	2,894	100.0	.4	9,587	.36	4.2	283.0	54.27
Indiana	341	100.0	48.1	9,480	.33	4.2	219.5	41.62
Michigan	11,425	100.0	5.4	9,451	.36	4.5	152.3	28.80
Minnesota	8,952	100.0	10.0	8,705	.68	8.9	126.3	22.00
Montana	10,224	100.0	-	8,509	.66	9.5	57.7	9.81
Nebraska	0	100.0	100.0	8,865	.32	7.0	22.6	4.01
Washington	55	100.0	100.0	9,553	.33	4.1	130.8	24.99
Wisconsin	2,137	100.0	14.4	8,820	.65	8.1	157.8	27.84
District 23	**4,924**	**100.0**	**2.3**	**8,106**	**.71**	**14.7**	**160.1**	**25.95**
Washington	**4,924**	**100.0**	**2.3**	**8,106**	**.71**	**14.7**	**160.1**	**25.95**
Washington	4,924	100.0	2.3	8,106	.71	14.7	160.1	25.95
Anthracite Coal	**634**	**98.1**	**55.7**	**8,155**	**.63**	**32.1**	**95.9**	**15.64**
Pennsylvania	**634**	**98.1**	**55.7**	**8,155**	**.63**	**32.1**	**95.9**	**15.64**
Pennsylvania	634	98.1	55.7	8,155	.63	32.1	95.9	15.64
Imported Coal	**1,215**	**99.2**	**39.4**	**12,165**	**.69**	**6.8**	**177.6**	**43.20**
Colombia	**1,149**	**99.1**	**35.9**	**12,099**	**.70**	**6.9**	**178.6**	**43.22**
Florida	803	100.0	8.3	11,978	.74	7.4	173.4	41.54
Georgia	23	56.6	100.0	13,189	.71	8.5	172.5	45.52
Maryland	247	100.0	100.0	12,267	.58	5.6	194.6	47.75
Massachusetts	63	100.0	100.0	12,385	.62	6.6	183.2	45.38
New Jersey	12	100.0	100.0	13,116	.57	4.2	175.8	46.12
Venezuela	**66**	**100.0**	**100.0**	**13,325**	**.49**	**4.2**	**161.3**	**42.97**
Florida	37	100.0	100.0	13,461	.48	4.0	141.0	37.96
New Jersey	29	100.0	100.0	13,149	.51	4.6	188.2	49.49
Total	**753,217**	**68.6**	**17.6**	**10,425**	**1.33**	**9.9**	**144.5**	**30.12**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1989

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
New England	**6,326**	**8.5**	**31.2**	**13,109**	**1.26**	**7.6**	**169.9**	**44.54**
Connecticut	**875**	**-**	**9.7**	**13,308**	**.53**	**6.1**	**213.7**	**56.88**
District No 8 Kentucky	849	-	6.9	13,297	.53	6.1	214.6	57.07
District No 8 West Virginia	26	-	100.0	13,661	.66	6.5	185.3	50.64
Massachusetts	**4,387**	**12.2**	**23.0**	**13,009**	**1.23**	**8.1**	**160.2**	**41.68**
District No 1 Pennsylvania	373	19.0	79.1	13,088	1.42	9.2	159.7	41.80
District No 1 West Virginia	158	-	-	13,065	1.44	9.3	150.9	39.43
District No 2 Pennsylvania	581	1.4	75.4	13,035	1.37	7.5	167.1	43.57
District No 3 West Virginia	1,199	12.6	4.6	12,995	1.24	8.4	155.0	40.28
District No 7 Virginia	38	100.0	-	12,846	1.23	8.0	155.3	39.89
District No 7 West Virginia	6	-	100.0	12,508	.70	15.9	170.2	42.57
District No 8 Kentucky	23	96.9	100.0	12,825	.89	9.1	137.6	35.30
District No 8 Virginia	1,718	-	-	13,036	1.19	7.5	162.7	42.42
District No 8 West Virginia	230	80.2	56.9	12,869	.91	8.7	155.6	40.05
Imported Coal Columbia S.A.	63	100.0	100.0	12,385	.62	6.6	183.2	45.38
New Hampshire	**1,064**	**-**	**82.5**	**13,359**	**2.00**	**6.8**	**172.8**	**46.18**
District No 2 Pennsylvania	221	-	70.5	13,201	1.30	6.6	174.3	46.02
District No 3 West Virginia	626	-	80.6	13,417	2.25	7.0	169.0	45.35
District No 4 Ohio	16	-	100.0	12,534	3.00	7.2	182.7	45.80
District No 6 West Virginia	119	-	100.0	13,336	2.51	6.4	163.8	43.68
District No 7 Virginia	7	-	100.0	14,125	.75	4.8	215.3	60.82
District No 8 Virginia	35	-	100.0	13,991	1.29	5.4	217.2	60.78
District No 8 West Virginia	40	-	100.0	13,043	.76	7.2	200.6	52.33
Mid Atlantic	**55,969**	**39.5**	**27.3**	**12,432**	**1.95**	**12.2**	**148.9**	**37.03**
New Jersey	**3,324**	**25.8**	**24.1**	**13,319**	**1.18**	**7.4**	**175.8**	**46.84**
District No 1 Pennsylvania	22	100.0	100.0	13,107	1.10	8.1	180.3	47.27
District No 2 Pennsylvania	29	100.0	100.0	12,965	2.03	6.8	187.3	48.56
District No 3 West Virginia	1,687	36.3	9.4	13,036	1.50	8.6	177.4	46.25
District No 4 Ohio	7	100.0	100.0	12,521	2.14	9.0	196.4	49.18
District No 7 West Virginia	6	-	100.0	13,353	.66	9.9	180.6	48.23
District No 8 Kentucky	64	11.0	100.0	12,988	.77	6.6	182.0	47.28
District No 8 Virginia	1,122	6.7	19.0	13,878	.85	5.3	172.7	47.94
District No 8 West Virginia	348	18.2	75.2	13,030	.77	8.2	174.9	45.57
Imported Coal Columbia S.A.	12	100.0	100.0	13,116	.57	4.2	175.8	46.12
Imported Coal Venezuela S.A.	29	100.0	100.0	13,149	.51	4.6	188.2	49.49
New York	**9,879**	**44.0**	**36.2**	**12,824**	**1.69**	**9.1**	**157.2**	**40.32**
District No 1 Pennsylvania	3,353	94.0	63.7	12,251	1.72	12.3	148.4	36.35
District No 2 Pennsylvania	2,598	43.2	46.1	13,115	1.67	6.8	150.1	39.37
District No 3 West Virginia	2,447	.4	7.3	13,188	2.34	7.8	149.2	39.35
District No 4 Ohio	35	100.0	100.0	12,365	2.15	9.7	155.2	38.39
District No 8 Kentucky	542	-	-	13,193	.51	7.7	200.4	52.88
District No 8 West Virginia	903	3.2	3.2	12,923	.62	7.8	205.0	52.99
Pennsylvania	**42,766**	**39.5**	**25.5**	**12,273**	**2.06**	**13.3**	**144.6**	**35.50**
District No 1 Pennsylvania	25,229	47.1	26.5	12,268	1.75	14.5	147.8	36.26
District No 2 Pennsylvania	5,157	54.5	53.0	12,502	1.92	10.6	136.1	34.04
District No 3 West Virginia	6,663	16.0	15.6	12,639	2.03	10.5	137.1	34.64
District No 4 Ohio	2,286	20.3	4.6	12,113	3.91	11.6	152.5	36.94
District No 6 West Virginia	2,788	.6	-	12,082	4.04	11.8	151.8	36.68
District No 8 West Virginia	8	-	100.0	13,237	.84	7.5	213.2	56.44
Anthracite Coal Pennsylvania	634	98.1	55.7	8,155	.63	32.1	95.9	15.64
East North Central	**161,663**	**67.2**	**21.3**	**11,044**	**1.83**	**9.0**	**154.4**	**34.10**
Illinois	**25,067**	**54.7**	**8.4**	**10,705**	**2.01**	**8.7**	**181.1**	**38.78**
District No 3 West Virginia	7	100.0	100.0	12,392	.66	6.7	167.2	41.44
District No 8 Kentucky	1,367	37.0	25.7	13,099	.69	6.4	167.0	43.76
District No 8 Virginia	6	-	100.0	13,169	.77	6.0	185.3	48.82
District No 8 West Virginia	281	-	43.4	13,242	.69	6.6	170.0	45.02
District No 9 Kentucky	166	91.7	93.4	11,358	2.37	10.3	117.4	26.67
District No 10 Illinois	14,740	31.3	4.3	10,898	2.93	9.8	151.0	32.90
District No 11 Indiana	2,014	100.0	32.1	10,980	1.51	8.8	126.5	27.77
District No 17 Colorado	59	-	100.0	11,266	.47	9.7	179.5	40.45
District No 17 New Mexico	20	66.7	100.0	12,292	.56	13.2	182.2	44.79
District No 19 Wyoming	3,514	100.0	2.4	9,469	.45	8.4	290.5	55.01
District No 22 Montana	2,894	100.0	.4	9,587	.36	4.2	283.0	54.27
Indiana	**40,560**	**73.7**	**20.8**	**10,698**	**2.22**	**8.9**	**135.9**	**29.08**
District No 3 West Virginia	23	100.0	100.0	12,815	3.72	11.8	127.0	32.56
District No 4 Ohio	13	100.0	100.0	11,527	2.10	12.1	129.3	29.80

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

Table 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1989 (Continued)

Census Division State of Destination BOM District and State of Origin		Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
			Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
East North Central									
Indiana									
District No 8	Kentucky	902	22.3	26.1	12,640	0.71	8.2	206.6	52.23
District No 8	West Virginia	254	59.8	40.2	12,325	.69	9.9	193.9	47.79
District No 9	Kentucky	3,310	62.8	17.8	11,633	3.42	11.2	103.8	24.14
District No 10	Illinois	8,801	25.5	12.2	10,887	2.59	10.5	160.1	34.86
District No 11	Indiana	18,942	97.1	20.9	11,090	2.72	9.5	121.1	26.85
District No 17	Colorado	256	-	18.6	10,855	.43	9.8	301.3	65.41
District No 19	Wyoming	7,717	83.8	28.8	8,883	.38	5.1	140.5	24.97
District No 22	Montana	341	100.0	48.1	9,480	.33	4.2	219.5	41.62
Michigan		**28,996**	**70.7**	**18.7**	**11,278**	**.67**	**6.9**	**172.1**	**38.83**
District No 1	Pennsylvania	132	100.0	42.4	12,757	2.83	9.2	170.8	43.58
District No 2	Pennsylvania	1,627	1.4	27.1	13,002	1.21	7.4	172.3	44.81
District No 3	West Virginia	38	52.6	100.0	12,500	2.66	11.8	154.8	38.70
District No 4	Ohio	217	88.2	32.4	11,804	2.93	9.7	179.0	42.27
District No 7	Virginia	598	22.3	-	13,319	1.22	7.3	176.2	46.93
District No 8	Kentucky	7,425	41.7	17.0	12,664	.83	8.5	194.1	49.17
District No 8	West Virginia	6,249	67.3	27.7	12,728	.74	9.3	179.7	45.75
District No 11	Indiana	149	100.0	41.4	10,955	2.53	10.1	155.1	33.98
District No 19	Wyoming	1,135	100.0	100.0	8,815	.31	5.0	117.4	20.69
District No 22	Montana	11,425	100.0	5.4	9,451	.36	4.5	152.3	28.80
Ohio		**49,505**	**59.6**	**33.1**	**11,835**	**2.46**	**11.5**	**148.7**	**35.21**
District No 1	Pennsylvania	517	100.0	90.7	12,668	2.59	9.5	129.4	32.79
District No 2	Pennsylvania	2,488	77.4	36.2	12,509	2.07	10.5	135.3	33.85
District No 3	West Virginia	1,035	50.8	47.8	12,697	1.92	10.0	137.0	34.79
District No 4	Ohio	24,417	63.6	29.6	11,639	3.29	11.3	153.9	35.82
District No 6	West Virginia	3,617	4.2	3.7	12,246	3.65	9.7	127.4	31.21
District No 8	Kentucky	8,552	66.9	46.1	11,737	1.15	12.8	155.1	36.42
District No 8	Virginia	33	33.3	100.0	13,012	1.37	7.9	183.9	47.86
District No 8	West Virginia	7,928	54.4	35.2	12,031	.94	12.5	145.7	35.06
District No 9	Kentucky	832	84.6	37.6	11,368	2.50	9.5	134.5	30.57
District No 11	Indiana	86	100.0	100.0	10,870	2.85	10.4	100.4	21.83
Wisconsin		**17,535**	**85.3**	**12.0**	**9,705**	**.86**	**6.4**	**144.8**	**28.10**
District No 2	Pennsylvania	1,479	-	-	13,226	1.70	6.8	153.1	40.50
District No 3	West Virginia	48	.6	100.0	13,567	2.38	7.4	168.3	45.67
District No 4	Ohio	9	-	-	12,612	1.41	9.9	163.6	41.28
District No 7	Virginia	45	-	100.0	13,926	.79	4.1	164.2	45.74
District No 7	West Virginia	3	100.0	100.0	13,371	.66	8.1	188.2	50.34
District No 8	Kentucky	284	85.6	55.3	12,850	1.07	8.7	169.7	43.61
District No 8	West Virginia	74	100.0	8.1	12,582	1.35	9.7	165.3	41.61
District No 9	Kentucky	105	100.0	100.0	12,206	2.67	9.3	127.4	31.10
District No 10	Illinois	1,418	34.7	9.2	11,540	1.99	8.0	145.0	33.46
District No 11	Indiana	2,145	99.0	2.9	11,167	1.91	8.7	182.5	40.77
District No 19	Wyoming	9,786	100.0	12.7	8,598	.34	5.1	127.7	21.96
District No 22	Montana	2,137	100.0	14.4	8,820	.65	8.1	157.8	27.84
West North Central		**100,899**	**92.2**	**11.9**	**8,676**	**1.00**	**7.5**	**114.4**	**19.85**
Iowa		**14,316**	**94.2**	**27.7**	**8,940**	**.78**	**5.9**	**121.8**	**21.77**
District No 8	Kentucky	9	100.0	100.0	11,529	2.76	9.2	126.7	29.21
District No 9	Kentucky	66	100.0	100.0	11,379	2.67	9.7	127.2	28.96
District No 10	Illinois	1,736	52.1	38.5	11,160	2.83	8.8	144.0	32.14
District No 11	Indiana	711	100.0	57.1	11,043	2.39	9.2	131.4	29.03
District No 12	Iowa	46	100.0	-	10,213	3.66	10.2	152.9	31.24
District No 19	Wyoming	11,748	100.0	24.0	8,463	.35	5.3	116.5	19.72
Kansas		**14,725**	**98.2**	**11.4**	**8,876**	**.64**	**6.0**	**123.9**	**22.00**
District No 10	Illinois	645	58.7	69.8	11,193	2.94	10.9	146.8	32.86
District No 15	Kansas	692	100.0	40.0	10,504	4.11	18.7	130.9	27.50
District No 19	Wyoming	13,388	100.0	7.1	8,680	.35	5.1	122.1	21.19
Minnesota		**16,176**	**99.6**	**6.1**	**8,767**	**.51**	**7.1**	**119.8**	**21.01**
District No 8	Kentucky	1	-	100.0	12,754	.75	7.0	198.4	50.61
District No 10	Illinois	57	-	-	12,149	1.64	7.1	194.2	47.19
District No 11	Indiana	68	100.0	100.0	11,458	1.88	8.4	138.1	31.65
District No 19	Wyoming	7,097	100.0	.4	8,792	.27	4.8	110.5	19.43
District No 21	North Dakota	1	100.0	-	6,819	.96	10.8	176.4	24.05
District No 22	Montana	8,952	100.0	10.0	8,705	.68	8.9	126.3	22.00

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 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1989 (Continued)

Census Division / State of Destination / BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
West North Central								
Missouri	**24,788**	**73.3**	**14.9**	**10,368**	**2.09**	**8.9**	**135.0**	**28.00**
District No 8 Kentucky	1	-	100.0	14,020	.60	5.4	212.0	59.44
District No 9 Kentucky	283	66.0	2.1	11,217	3.09	11.1	125.5	28.16
District No 10 Illinois	13,633	52.7	10.4	11,144	2.40	9.7	151.5	33.77
District No 11 Indiana	55	-	50.9	11,000	1.20	11.0	123.0	27.06
District No 15 Kansas	134	100.0	78.0	12,122	3.32	12.3	129.4	31.38
District No 15 Missouri	3,071	100.0	1.1	10,487	4.50	13.0	133.5	28.01
District No 15 Oklahoma	302	100.0	37.1	12,110	3.96	13.3	135.9	32.92
District No 17 Colorado	62	85.5	85.5	10,823	.36	5.2	186.9	40.45
District No 19 Wyoming	7,198	100.0	26.1	8,691	.38	5.4	95.5	16.60
District No 20 Utah	48	100.0	100.0	11,350	.45	8.1	183.3	41.61
Nebraska	**7,473**	**98.9**	**18.3**	**8,664**	**.36**	**5.1**	**82.7**	**14.32**
District No 17 Colorado	80	-	-	12,319	.56	7.5	181.8	44.80
District No 19 Wyoming	7,393	100.0	18.5	8,625	.36	5.1	81.1	14.00
District No 22 Montana	0	100.0	100.0	8,865	.32	7.0	22.6	4.01
North Dakota	**21,359**	**100.0**	**1.5**	**6,580**	**.73**	**9.2**	**69.4**	**9.13**
District No 21 North Dakota	21,359	100.0	1.5	6,580	.73	9.2	69.4	9.13
South Dakota	**2,063**	**100.0**	**-**	**6,137**	**.89**	**7.7**	**124.1**	**15.24**
District No 21 North Dakota	2,063	100.0	-	6,137	.89	7.7	124.1	15.24
South Atlantic	**128,322**	**37.8**	**26.6**	**12,422**	**1.50**	**10.1**	**165.3**	**41.07**
Delaware	**1,918**	**17.7**	**11.6**	**12,943**	**1.04**	**9.0**	**179.3**	**46.41**
District No 1 Maryland	7	-	-	12,945	1.50	10.5	138.8	35.94
District No 1 Pennsylvania	456	39.7	28.0	12,754	1.50	9.9	163.0	41.58
District No 3 West Virginia	1,023	8.9	.7	13,134	.95	8.5	187.6	49.29
District No 8 Kentucky	24	-	25.0	12,424	.75	7.8	177.3	44.06
District No 8 Virginia	76	-	-	13,234	.87	8.0	200.1	52.95
District No 8 West Virginia	331	20.3	24.5	12,589	.73	9.5	171.2	43.10
Florida	**23,375**	**34.2**	**22.9**	**12,383**	**1.75**	**8.6**	**178.7**	**44.26**
District No 3 West Virginia	608	-	8.7	13,194	2.16	7.7	183.8	48.49
District No 8 Kentucky	10,121	43.8	18.5	12,709	.96	8.0	180.4	45.85
District No 8 Tennessee	90	100.0	-	12,733	1.02	6.8	216.1	55.03
District No 8 Virginia	838	-	2.0	12,498	.72	9.0	232.8	58.18
District No 8 West Virginia	1,391	64.4	9.4	12,362	.80	11.6	180.8	44.71
District No 9 Kentucky	4,859	26.9	55.4	12,349	2.94	9.0	153.9	38.02
District No 10 Illinois	4,107	.6	.9	11,672	2.78	8.8	198.6	46.36
District No 11 Indiana	508	80.0	84.9	11,357	3.40	9.5	130.2	29.58
District No 13 Alabama	13	-	100.0	11,802	3.01	13.9	114.3	26.98
Imported Coal Columbia S.A.	803	100.0	8.3	11,978	.74	7.4	173.4	41.54
Imported Coal Venezuela S.A.	37	100.0	100.0	13,461	.48	4.0	141.0	37.96
Georgia	**25,434**	**43.3**	**25.1**	**12,100**	**1.68**	**10.1**	**174.9**	**42.33**
District No 8 Kentucky	12,367	62.4	34.8	12,247	1.39	10.7	166.2	40.70
District No 8 Tennessee	1,140	4.8	24.1	12,854	1.07	8.0	198.0	50.90
District No 8 Virginia	3,277	43.2	29.2	12,836	1.40	10.0	171.6	44.06
District No 8 West Virginia	1,355	-	-	12,054	.65	11.7	242.9	58.55
District No 9 Kentucky	1,596	89.6	16.2	11,798	2.94	10.0	160.6	37.88
District No 10 Illinois	5,188	-	1.5	11,366	2.61	9.1	182.0	41.37
District No 13 Alabama	246	60.8	100.0	12,131	2.00	12.1	153.3	37.20
District No 19 Wyoming	188	100.0	100.0	8,736	.38	5.6	137.3	23.98
District No 22 Montana	54	100.0	100.0	9,348	.32	4.1	181.1	33.86
Imported Coal Columbia S.A.	23	56.6	100.0	13,189	.71	8.5	172.5	45.52
Maryland	**8,494**	**63.6**	**31.6**	**12,698**	**1.43**	**10.5**	**161.1**	**40.92**
District No 1 Maryland	1,437	60.1	45.5	12,750	1.60	11.6	165.6	42.23
District No 1 Pennsylvania	2,360	100.0	3.3	12,431	1.89	12.8	171.1	42.54
District No 1 West Virginia	398	1.8	100.0	12,865	1.66	10.7	157.3	40.48
District No 2 Pennsylvania	21	33.3	100.0	12,847	1.97	8.8	163.5	42.02
District No 3 West Virginia	2,882	39.9	35.1	12,853	1.28	9.2	148.4	38.15
District No 8 Kentucky	714	74.5	15.3	12,910	.76	7.8	165.4	42.71
District No 8 West Virginia	435	54.0	38.2	12,675	.70	9.6	156.5	39.67
Imported Coal Columbia S.A.	247	100.0	100.0	12,267	.58	5.6	194.6	47.75
North Carolina	**18,413**	**42.8**	**16.2**	**12,531**	**.92**	**9.9**	**177.0**	**44.35**
District No 7 West Virginia	10	-	100.0	13,271	1.26	7.4	164.5	43.66
District No 8 Kentucky	9,169	44.6	18.9	12,553	.94	8.8	180.5	45.31
District No 8 Tennessee	166	-	-	12,511	1.35	9.6	186.8	46.74
District No 8 Virginia	4,283	59.2	7.8	12,700	1.02	10.7	171.7	43.61
District No 8 West Virginia	4,785	26.4	19.0	12,335	.77	11.4	174.7	43.10

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 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1989 (Continued)

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
South Atlantic								
South Carolina	**9,805**	**38.0**	**36.4**	**12,618**	**1.12**	**9.2**	**170.7**	**43.08**
District No 8 Kentucky	8,596	34.6	37.8	12,564	1.09	9.2	172.7	43.39
District No 8 Tennessee	135	.2	99.9	12,530	1.40	9.1	156.8	39.29
District No 8 Virginia	1,047	71.5	15.2	13,074	1.30	9.1	156.8	41.00
District No 8 West Virginia	27	16.4	84.7	12,482	1.26	11.6	171.7	42.87
Virginia	**9,739**	**39.4**	**48.3**	**12,693**	**.94**	**9.4**	**154.8**	**39.29**
District No 3 West Virginia	60	11.2	100.0	12,370	1.11	12.6	167.6	41.46
District No 7 Virginia	626	48.3	7.3	12,893	1.00	9.1	175.1	45.14
District No 7 West Virginia	5	100.0	100.0	12,060	.80	12.9	164.0	39.56
District No 8 Kentucky	3,553	52.1	59.5	12,670	1.02	8.5	156.2	39.58
District No 8 Virginia	2,975	27.8	33.1	12,694	.88	10.7	152.9	38.82
District No 8 West Virginia	2,520	33.5	59.2	12,684	.87	9.2	149.6	37.95
West Virginia	**31,143**	**26.7**	**26.4**	**12,395**	**1.85**	**11.7**	**142.5**	**35.33**
District No 1 Maryland	925	53.3	53.3	12,140	1.71	15.1	116.6	28.32
District No 1 Pennsylvania	27	100.0	100.0	12,274	1.76	14.8	122.3	30.03
District No 1 West Virginia	3,823	24.9	20.1	12,376	1.77	13.3	143.4	35.48
District No 2 Pennsylvania	281	19.1	87.0	12,944	1.58	7.6	119.5	30.95
District No 3 West Virginia	12,104	17.0	21.0	12,535	2.35	11.5	137.6	34.49
District No 4 Ohio	935	10.4	61.6	12,203	4.04	10.9	102.3	24.97
District No 6 West Virginia	1,651	-	7.4	12,099	4.20	13.1	130.0	31.46
District No 8 Kentucky	1,079	85.4	47.0	12,151	.98	10.1	166.5	40.46
District No 8 West Virginia	10,288	36.1	28.7	12,339	.83	11.2	154.3	38.07
District No 9 Kentucky	31	-	-	11,875	3.83	14.1	130.0	30.87
East South Central	**73,798**	**51.3**	**26.6**	**11,800**	**2.18**	**11.4**	**142.9**	**33.73**
Alabama	**21,311**	**54.1**	**20.0**	**12,023**	**1.64**	**11.9**	**186.5**	**44.84**
District No 4 Ohio	2,352	100.0	-	11,562	2.30	11.6	206.3	47.71
District No 7 West Virginia	6	100.0	100.0	11,831	.85	11.7	121.5	28.74
District No 8 Kentucky	591	53.9	43.9	11,837	1.66	11.3	136.9	32.41
District No 8 Tennessee	26	-	26.1	11,952	1.03	12.5	117.1	28.00
District No 8 West Virginia	112	32.5	67.5	11,978	.78	10.9	161.1	38.60
District No 9 Kentucky	1,534	31.1	70.4	11,765	3.21	10.8	118.0	27.77
District No 10 Illinois	874	-	97.1	11,590	2.27	8.1	109.8	25.45
District No 11 Indiana	374	100.0	100.0	11,609	3.42	7.9	105.9	24.58
District No 13 Alabama	14,725	52.4	7.2	12,152	1.34	12.4	201.9	49.06
District No 13 Tennessee	719	32.7	76.6	12,334	.76	11.9	126.5	31.21
Kentucky	**30,733**	**55.6**	**37.2**	**11,493**	**2.74**	**12.5**	**113.7**	**26.13**
District No 2 Pennsylvania	19	100.0	46.9	12,322	2.51	13.2	128.1	31.57
District No 4 Ohio	124	100.0	48.6	11,280	2.51	12.0	129.4	29.20
District No 8 Kentucky	7,638	69.6	43.0	12,038	1.12	11.3	127.8	30.77
District No 8 Tennessee	541	3.8	67.4	12,433	2.60	11.6	105.2	26.15
District No 8 West Virginia	2,435	54.2	54.5	12,191	.81	11.2	117.5	28.65
District No 9 Kentucky	17,837	45.8	29.5	11,174	3.74	13.6	107.8	24.10
District No 10 Illinois	9	100.0	100.0	11,200	1.93	8.6	115.7	25.92
District No 11 Indiana	2,107	100.0	51.2	11,210	2.50	8.8	104.7	23.47
District No 19 Wyoming	22	100.0	100.0	8,397	.31	5.4	124.2	20.86
Mississippi	**3,455**	**39.4**	**19.3**	**12,654**	**1.56**	**7.8**	**167.1**	**42.29**
District No 8 Kentucky	1,917	1.4	4.2	12,789	.80	7.6	185.6	47.47
District No 8 West Virginia	27	61.4	100.0	12,132	1.57	9.2	143.4	34.79
District No 9 Kentucky	395	66.4	100.0	12,187	2.56	7.2	134.2	32.71
District No 10 Illinois	1,116	94.5	14.7	12,600	2.51	8.2	146.7	36.97
Tennessee	**18,300**	**43.0**	**17.7**	**11,895**	**1.99**	**9.6**	**134.3**	**31.94**
District No 3 West Virginia	18	-	-	12,421	2.60	11.4	139.5	34.65
District No 8 Kentucky	5,870	50.9	13.4	11,814	1.25	11.5	154.0	36.40
District No 8 Tennessee	1,866	3.3	30.9	12,481	1.40	10.2	115.9	28.93
District No 8 Virginia	1,276	.5	15.2	12,951	1.87	9.0	123.8	32.06
District No 9 Kentucky	7,769	61.9	4.0	11,675	2.71	8.4	130.1	30.39
District No 10 Illinois	1,495	-	91.4	11,719	1.99	7.8	111.8	26.21
District No 11 Indiana	6	-	100.0	11,601	1.60	7.6	129.1	29.95
West South Central	**121,925**	**99.6**	**7.2**	**7,692**	**.62**	**10.0**	**147.5**	**22.69**
Arkansas	**11,502**	**100.0**	**-**	**8,720**	**.34**	**5.3**	**163.1**	**28.45**
District No 19 Wyoming	11,502	100.0	-	8,720	.34	5.3	163.1	28.45
Louisiana	**11,594**	**98.3**	**2.1**	**8,187**	**.48**	**7.3**	**162.7**	**26.64**
District No 8 West Virginia	195	-	-	13,003	.66	6.7	201.7	52.46
District No 15 Louisiana	2,981	100.0	8.3	6,858	.54	12.2	127.4	17.48
District No 19 Wyoming	8,418	100.0	-	8,546	.45	5.5	171.4	29.29

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

Table 48. Destination and Origin of Coal Received by Bureau of Mines District and State, 1989 (Continued)

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
West South Central								
Oklahoma	**14,635**	**100.0**	**9.6**	**8,825**	**0.45**	**5.4**	**136.1**	**24.03**
District No 14 Oklahoma	110	100.0	100.0	13,120	1.27	10.0	143.5	37.66
District No 15 Oklahoma	693	100.0	78.0	12,273	1.49	9.2	142.1	34.87
District No 19 Wyoming	13,831	100.0	5.5	8,618	.39	5.2	135.6	23.37
Texas	**84,195**	**99.7**	**8.5**	**7,287**	**.71**	**11.8**	**144.9**	**21.12**
District No 15 Texas	48,282	100.0	5.5	6,272	.97	16.7	104.6	13.13
District No 17 Colorado	1,537	97.9	-	10,705	.37	5.0	221.8	47.50
District No 19 Wyoming	34,157	100.0	12.9	8,538	.36	5.2	182.2	31.11
District No 20 Utah	218	-	40.1	11,878	.54	6.6	170.8	40.59
Mountain	**98,709**	**80.2**	**5.3**	**9,771**	**.55**	**11.1**	**111.6**	**21.80**
Arizona	**15,244**	**99.5**	**-**	**10,596**	**.49**	**11.2**	**136.0**	**28.81**
District No 17 Colorado	648	89.1	-	11,979	.41	16.4	172.0	41.20
District No 17 New Mexico	137	100.0	-	11,993	.55	15.0	168.6	40.45
District No 18 Arizona	7,769	100.0	-	11,064	.49	8.5	97.7	21.61
District No 18 New Mexico	6,690	100.0	-	9,891	.49	13.9	180.6	35.73
Colorado	**15,752**	**76.4**	**13.1**	**9,848**	**.37**	**6.9**	**106.4**	**20.95**
District No 16 Colorado	10	100.0	100.0	10,378	.24	7.9	105.2	21.83
District No 17 Colorado	10,152	63.8	17.9	10,541	.40	8.1	109.2	23.02
District No 17 New Mexico	32	-	100.0	12,455	.52	11.7	130.2	32.42
District No 19 Wyoming	5,558	100.0	3.8	8,567	.32	4.8	99.9	17.11
Montana	**10,224**	**100.0**	**-**	**8,509**	**.66**	**9.5**	**57.7**	**9.81**
District No 22 Montana	10,224	100.0	-	8,509	.66	9.5	57.7	9.81
Nevada	**7,067**	**66.4**	**-**	**11,117**	**.52**	**9.5**	**152.0**	**33.80**
District No 18 Arizona	4,137	100.0	-	10,997	.52	9.9	123.4	27.15
District No 19 Wyoming	555	100.0	-	9,615	.45	8.7	200.1	38.48
District No 20 Utah	2,375	-	-	11,675	.54	9.0	189.7	44.30
New Mexico	**15,238**	**100.0**	**-**	**9,129**	**.79**	**21.4**	**123.8**	**22.61**
District No 18 New Mexico	15,238	100.0	-	9,129	.79	21.4	123.8	22.61
Utah	**13,385**	**-**	**9.4**	**11,322**	**.49**	**11.6**	**123.9**	**28.05**
District No 17 Colorado	1,343	-	-	10,776	.44	8.7	239.8	51.68
District No 20 Utah	12,042	-	10.5	11,383	.49	11.9	111.6	25.41
Wyoming	**21,798**	**100.0**	**8.9**	**8,788**	**.52**	**7.9**	**84.5**	**14.86**
District No 19 Wyoming	21,798	100.0	8.9	8,788	.52	7.9	84.5	14.86
Pacific	**5,606**	**100.0**	**14.2**	**8,161**	**.66**	**13.6**	**155.6**	**25.40**
Washington	**5,606**	**100.0**	**14.2**	**8,161**	**.66**	**13.6**	**155.6**	**25.40**
District No 19 Wyoming	627	100.0	100.0	8,474	.34	5.2	124.6	21.12
District No 22 Montana	55	100.0	100.0	9,553	.33	4.1	130.8	24.99
District No 23 Washington	4,924	100.0	2.3	8,106	.71	14.7	160.1	25.95
Total	***753,217***	***68.6***	***17.6***	***10,425***	***1.33***	***9.9***	***144.5***	***30.12***

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 49. Origin of Coal Received by Company and Plant, 1989

Company 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	**1,150**	**11,827**	**1.43**	**12.53**	**163.5**	**38.67**
Alabama	762	11,777	1.29	13.14	170.4	40.14
Fayette	76	12,056	1.75	12.33	145.4	35.05
Jefferson	81	11,918	1.63	12.66	155.4	37.04
Marion	482	11,703	1.14	13.57	185.1	43.32
Tuscaloosa	75	11,992	1.38	12.33	131.7	31.58
Walker	48	11,511	1.34	12.15	151.6	34.90
Kentucky	388	11,924	1.70	11.34	150.0	35.77
Union	264	12,153	1.92	10.46	137.7	33.46
Whitley	125	11,438	1.24	13.20	177.8	40.66
Alabama Power Co Barry	**880**	**12,470**	**.87**	**11.34**	**196.3**	**48.95**
Alabama	653	12,556	.88	11.32	211.7	53.17
Tuscaloosa	489	12,750	.90	10.81	229.4	58.50
Walker	164	11,979	.82	12.85	155.7	37.30
Kentucky	91	12,110	.90	10.61	147.0	35.61
Lawrence	91	12,110	.90	10.61	147.0	35.61
Tennessee	124	12,364	.77	11.66	152.1	37.61
Marion	124	12,364	.77	11.66	152.1	37.61
West Virginia	13	11,645	.83	14.30	161.5	37.61
Kanawha	13	11,645	.83	14.30	161.5	37.61
Alabama Power Co Gadsden	**55**	**12,637**	**2.02**	**11.74**	**196.5**	**49.66**
Alabama	55	12,637	2.02	11.74	196.5	49.66
Jefferson	55	12,637	2.02	11.74	196.5	49.66
Alabama Power Co Gaston	**4,012**	**12,240**	**2.03**	**11.97**	**187.8**	**45.96**
Alabama	3,934	12,241	2.05	12.00	188.0	46.02
Fayette	1,760	12,073	2.07	12.45	188.0	45.39
Jefferson	1,310	12,499	2.09	11.17	196.4	49.09
Tuscaloosa	171	12,093	1.99	12.32	128.2	31.00
Walker	693	12,214	1.93	12.35	186.4	45.53
Kentucky	9	12,579	1.18	8.94	162.8	40.97
Whitley	9	12,579	1.18	8.94	162.8	40.97
Tennessee	7	12,757	1.68	8.75	144.9	36.98
Anderson	7	12,757	1.68	8.75	144.9	36.98
West Virginia	63	12,056	.81	10.66	182.3	43.95
Boone	63	12,056	.81	10.66	182.3	43.95
Alabama Power Co Gorgas 2 and 3	**5,372**	**11,889**	**1.25**	**13.48**	**181.9**	**43.25**
Alabama	5,372	11,889	1.25	13.48	181.9	43.25
Jefferson	853	12,243	1.79	12.22	186.7	45.72
Lamar	203	11,993	1.36	12.65	236.7	56.78
Marion	91	11,823	2.29	14.06	143.2	33.87
Tuscaloosa	296	11,903	1.75	14.79	220.3	52.45
Walker	3,903	11,805	1.06	13.69	176.2	41.60
Winston	26	12,019	1.45	12.31	133.6	32.12
Alabama Power Co Greene	**1,098**	**12,491**	**1.55**	**10.82**	**200.7**	**50.13**
Alabama	1,073	12,502	1.53	10.91	202.2	50.55
Jefferson	95	12,018	1.06	11.84	158.5	38.11
Tuscaloosa	919	12,594	1.59	10.76	210.1	52.92
Walker	60	11,847	1.42	11.82	143.3	33.95
Kentucky	24	11,995	2.14	6.96	130.5	31.30
Hopkins	24	11,995	2.14	6.96	130.5	31.30
Alabama Power Co James Miller	**2,876**	**12,389**	**.58**	**11.44**	**262.1**	**64.95**
Alabama	2,876	12,389	.58	11.44	262.1	64.95
Jefferson	1,500	12,431	.54	11.66	235.8	58.62
Tuscaloosa	423	12,489	.64	11.26	236.3	59.03
Walker	953	12,279	.63	11.16	315.7	77.54
Ames City of Ames	**168**	**8,794**	**.21**	**4.54**	**124.1**	**21.83**
Wyoming	168	8,794	.21	4.54	124.1	21.83
Campbell	168	8,794	.21	4.54	124.1	21.83
Appalachian Power Co Amos	**5,391**	**12,315**	**.77**	**11.25**	**152.4**	**37.53**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Amos						
West Virginia	5,391	12,315	0.77	11.25	152.4	37.53
Boone	4,980	12,334	.78	11.15	149.9	36.98
Logan	411	12,083	.76	12.51	182.9	44.21
Appalachian Power Co Clinch River	**1,622**	**12,550**	**.76**	**12.36**	**136.0**	**34.12**
Kentucky	29	12,626	.77	9.88	127.1	32.09
Letcher	2	10,309	.71	17.00	131.6	27.14
Pike	27	12,813	.77	9.30	126.8	32.49
Virginia	1,518	12,553	.76	12.58	137.4	34.51
Buchanan	21	11,525	1.00	14.26	135.9	31.32
Dickenson	21	11,525	1.00	14.26	135.9	31.32
Lee	34	12,286	.92	10.17	115.6	28.40
Russell	1,308	12,577	.74	12.80	139.0	34.96
Wise	135	12,703	.90	10.47	128.2	32.57
West Virginia	74	12,460	.79	8.86	108.9	27.13
Mingo	74	12,460	.79	8.86	108.9	27.13
Appalachian Power Co Glen Lyn	**569**	**12,772**	**.81**	**9.35**	**163.4**	**41.75**
Kentucky	21	12,938	.85	9.34	139.3	36.05
Pike	21	12,938	.85	9.34	139.3	36.05
Virginia	374	12,774	.84	9.77	184.9	47.24
Buchanan	277	12,727	.82	9.76	199.6	50.81
Wise	98	12,909	.89	9.82	143.7	37.11
West Virginia	173	12,747	.75	8.43	120.0	30.60
Mingo	125	12,628	.76	8.77	119.5	30.19
Wyoming	48	13,056	.74	7.54	121.3	31.68
Appalachian Power Co Kanawha River	**591**	**12,487**	**.80**	**11.05**	**125.1**	**31.23**
West Virginia	591	12,487	.80	11.05	125.1	31.23
Clay	150	12,199	.84	11.91	96.1	23.44
Fayette	250	12,888	.76	9.85	160.7	41.41
Kanawha	42	12,162	.81	12.05	108.3	26.34
Nicholas	150	12,199	.84	11.91	96.1	23.44
Appalachian Power Co Mountaineer	**2,659**	**12,410**	**.70**	**10.86**	**168.9**	**41.92**
Kentucky	210	12,156	.68	10.35	145.5	35.38
Boyd	69	11,843	.66	11.81	152.0	35.99
Floyd	23	11,796	.71	11.56	134.9	31.82
Letcher	60	12,722	.72	8.06	143.1	36.42
Magoffin	8	12,365	.71	9.47	182.5	45.12
Martin	3	11,937	.61	9.60	132.1	31.54
Perry	7	12,788	.71	10.30	136.7	34.96
Pike	42	11,946	.66	10.76	139.7	33.38
West Virginia	2,449	12,432	.70	10.90	170.9	42.48
Boone	2,196	12,462	.70	10.80	176.7	44.04
Clay	50	12,141	.67	12.23	112.9	27.41
Fayette	34	12,325	.65	10.79	127.4	31.40
Kanawha	64	12,117	.66	12.20	116.2	28.15
Logan	35	12,095	.66	11.19	123.2	29.81
Nicholas	69	12,198	.68	11.75	118.9	29.01
Arizona Electric Pwr Coop Inc Apache	**833**	**11,885**	**.43**	**15.88**	**171.0**	**40.66**
Colorado	648	11,979	.41	16.38	172.0	41.20
Las Animas	648	11,979	.41	16.38	172.0	41.20
New Mexico	184	11,556	.53	14.12	167.7	38.75
Colfax	137	11,993	.55	15.02	168.6	40.45
Mckinley	47	10,292	.46	11.50	164.4	33.84
Arizona Public Service Co Cholla	**3,582**	**9,984**	**.44**	**13.34**	**153.9**	**30.73**
New Mexico	3,582	9,984	.44	13.34	153.9	30.73
Mckinley	3,582	9,984	.44	13.34	153.9	30.73
Arizona Public Service Co Four Corners	**8,345**	**8,734**	**.78**	**22.21**	**103.1**	**18.00**
New Mexico	8,345	8,734	.78	22.21	103.1	18.00
San Juan	8,345	8,734	.78	22.21	103.1	18.00
Arkansas Power & Light Co Independence	**4,908**	**8,808**	**.20**	**4.88**	**152.2**	**26.82**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Arkansas Power & Light Co Independence						
Wyoming	4,908	8,808	0.20	4.88	152.2	26.82
Campbell	4,908	8,808	.20	4.88	152.2	26.82
Arkansas Power & Light Co Whitebluff	**4,946**	**8,733**	**.48**	**5.82**	**175.2**	**30.60**
Wyoming	4,946	8,733	.48	5.82	175.2	30.60
Campbell	4,946	8,733	.48	5.82	175.2	30.60
Associated Electric Coop Inc Hill	**2,417**	**10,626**	**4.13**	**9.52**	**142.9**	**30.38**
Missouri	2,417	10,626	4.13	9.52	142.9	30.38
Randolph	2,417	10,626	4.13	9.52	142.9	30.38
Associated Electric Coop Inc Madrid	**2,644**	**10,705**	**3.09**	**10.58**	**129.7**	**27.77**
Illinois	2,333	10,676	3.14	10.60	130.4	27.85
Randolph	2,333	10,676	3.14	10.60	130.4	27.85
Kentucky	277	11,218	3.09	11.12	124.7	27.99
Muhlenberg	277	11,218	3.09	11.12	124.7	27.99
Wyoming	34	8,455	.23	5.28	123.5	20.88
Campbell	34	8,455	.23	5.28	123.5	20.88
Atlantic City Electric Co England	**703**	**13,071**	**2.53**	**8.67**	**177.3**	**46.36**
Ohio	7	12,521	2.14	9.00	196.4	49.18
Columbiana	7	12,521	2.14	9.00	196.4	49.18
Pennsylvania	36	12,885	1.98	7.06	188.7	48.62
Butler	7	12,464	2.71	10.90	196.8	49.06
Clarion	7	12,554	1.80	8.10	194.6	48.86
Mercer	22	13,125	1.81	5.50	184.4	48.40
West Virginia	660	13,087	2.56	8.76	176.5	46.20
Barbour	412	13,061	2.59	9.04	178.4	46.61
Harrison	53	12,891	2.64	10.05	177.3	45.72
Marion	111	13,048	2.62	8.47	177.5	46.31
Monongalia	84	13,390	2.29	6.93	165.7	44.38
Baltimore Gas & Electric Co Crane	**465**	**13,254**	**2.08**	**6.89**	**163.8**	**43.42**
Kentucky	70	13,078	1.12	5.02	224.1	58.61
Knox	70	13,078	1.12	5.02	224.1	58.61
Pennsylvania	36	12,911	2.05	8.36	159.3	41.13
Clarion	15	13,000	2.15	7.79	153.4	39.87
Fayette	7	12,313	2.29	11.10	169.6	41.77
Greene	14	13,114	1.81	7.60	160.7	42.15
West Virginia	359	13,323	2.27	7.10	152.7	40.69
Barbour	70	13,151	1.66	7.18	151.4	39.81
Marion	139	13,439	2.28	7.65	153.0	41.12
Monongalia	150	13,296	2.54	6.56	153.1	40.71
Baltimore Gas & Electric Co Brandon Shores	**1,787**	**12,808**	**.71**	**8.39**	**158.7**	**40.65**
Kentucky	608	12,888	.71	8.10	158.5	40.86
Letcher	337	12,886	.71	8.25	160.4	41.34
Pike	271	12,891	.71	7.91	156.1	40.25
West Virginia	1,047	12,819	.73	8.95	154.6	39.63
Boone	107	12,785	.70	9.77	154.6	39.54
Logan	286	12,589	.69	9.64	155.8	39.22
Mingo	28	12,974	.70	8.37	159.9	41.48
Nicholas	352	12,918	.76	8.12	151.4	39.12
Randolph	28	13,339	.74	8.90	159.3	42.48
Webster	246	12,881	.74	9.04	156.5	40.33
Imported	132	12,361	.57	5.30	193.3	47.79
Imported Coal	132	12,361	.57	5.30	193.3	47.79
Baltimore Gas & Electric Co Wagner	**870**	**12,879**	**.81**	**8.16**	**161.3**	**41.56**
Kentucky	36	12,959	.79	8.29	166.7	43.20
Floyd	14	12,791	.80	9.10	174.1	44.54
Letcher	22	13,065	.78	7.77	162.1	42.35
West Virginia	719	12,991	.85	8.49	155.8	40.49
Boone	14	12,974	.89	8.80	178.7	46.37
Nicholas	510	12,973	.86	8.42	155.5	40.34
Randolph	56	13,244	.92	8.43	155.8	41.27
Webster	139	12,954	.76	8.76	154.9	40.13

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Baltimore Gas & Electric Co Wagner						
Imported	115	12,159	0.60	6.00	196.2	47.71
Imported Coal	115	12,159	.60	6.00	196.2	47.71
Basin Electric Power Coop Laramie River	**6,314**	**8,411**	**.35**	**5.25**	**60.8**	**10.23**
Wyoming	6,314	8,411	.35	5.25	60.8	10.23
Campbell	6,314	8,411	.35	5.25	60.8	10.23
Basin Electric Power Coop Antelope Valley	**5,283**	**6,677**	**.67**	**8.85**	**64.8**	**8.65**
North Dakota	5,283	6,677	.67	8.85	64.8	8.65
Mercer	5,283	6,677	.67	8.85	64.8	8.65
Basin Electric Power Coop Leland Olds	**1,840**	**6,637**	**.77**	**8.65**	**92.8**	**12.32**
North Dakota	1,840	6,637	.77	8.65	92.8	12.32
Mercer	1,840	6,637	.77	8.65	92.8	12.32
Big Rivers Electric Corp D B Wilson	**1,163**	**11,182**	**4.14**	**15.28**	**142.9**	**31.96**
Kentucky	1,163	11,182	4.14	15.28	142.9	31.96
Hopkins	1,133	11,178	4.14	15.28	143.7	32.13
Webster	31	11,314	4.20	15.06	114.1	25.83
Big Rivers Electric Corp R D Green	**1,525**	**10,475**	**4.25**	**16.16**	**111.5**	**23.35**
Kentucky	1,525	10,475	4.25	16.16	111.5	23.35
Henderson	1,169	10,109	4.35	17.19	104.6	21.16
Webster	355	11,679	3.95	12.75	130.9	30.58
Big Rivers Electric Corp Coleman	**1,146**	**11,232**	**2.39**	**8.55**	**111.9**	**25.15**
Indiana	594	11,314	2.49	8.11	117.7	26.63
Daviess	564	11,340	2.50	8.05	119.2	27.04
Gibson	30	10,829	2.30	9.20	87.4	18.93
Kentucky	552	11,144	2.28	9.02	105.7	23.56
Daviess	502	11,145	2.28	9.05	107.5	23.97
Henderson	50	11,131	2.35	8.76	87.3	19.44
Big Rivers Electric Corp Reid-Henderson II	**785**	**11,989**	**2.62**	**8.22**	**118.8**	**28.49**
Indiana	301	11,339	2.34	8.15	109.7	24.87
Daviess	149	11,101	2.08	8.67	125.9	27.95
Spencer	153	11,571	2.60	7.64	94.5	21.87
Kentucky	483	12,394	2.79	8.26	124.1	30.76
Daviess	3	10,894	2.18	9.10	116.3	25.34
Webster	480	12,404	2.79	8.26	124.1	30.79
Cajun Electric Power Coop Inc Big Cajun No.2	**4,860**	**8,583**	**.41**	**5.34**	**159.2**	**27.33**
West Virginia	195	13,003	.66	6.71	201.7	52.46
Mingo	195	13,003	.66	6.71	201.7	52.46
Wyoming	4,665	8,399	.40	5.28	156.5	26.28
Campbell	4,665	8,399	.40	5.28	156.5	26.28
Cardinal Operating Co Cardinal	**4,445**	**11,730**	**2.22**	**13.64**	**144.0**	**33.78**
Ohio	1,545	12,014	3.12	11.89	132.0	31.72
Belmont	483	11,620	2.97	13.15	142.5	33.12
Columbiana	78	12,076	2.96	9.26	119.3	28.82
Harrison	549	12,175	3.06	11.51	133.4	32.48
Jefferson	434	12,236	3.39	11.45	121.5	29.74
West Virginia	2,900	11,578	1.75	14.56	150.6	34.88
Brooke	1,069	12,191	3.23	10.28	167.0	40.72
Clay	75	12,079	3.26	14.02	123.2	29.75
Kanawha	1,718	11,172	.73	17.29	140.9	31.48
Ohio	38	11,696	3.25	12.96	147.9	34.60
Carolina Power & Light Co Lee	**315**	**12,685**	**1.02**	**8.98**	**189.1**	**47.98**
Kentucky	220	12,737	1.05	8.34	199.4	50.79
Martin	203	12,703	1.05	8.36	202.5	51.45
Pike	18	13,131	1.04	8.03	165.0	43.34
Tennessee	15	12,334	1.38	11.03	182.1	44.92
Claiborne	15	12,334	1.38	11.03	182.1	44.92
West Virginia	79	12,606	.88	10.38	161.6	40.74
Boone	50	12,518	.77	10.74	160.3	40.14
Mcdowell	1	12,708	1.05	10.40	173.5	44.10
Mingo	29	12,755	1.06	9.76	163.4	41.68

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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	**188**	**12,145**	**1.23**	**10.62**	**170.9**	**41.50**
Kentucky	160	12,087	1.22	10.46	170.7	41.27
Breathitt	78	12,017	1.13	9.67	164.7	39.58
Clay	5	11,856	1.12	9.91	165.7	39.30
Floyd	3	11,869	1.22	13.66	161.7	38.38
Harlan	41	12,277	1.46	11.18	172.5	42.35
Knox	7	11,485	1.18	12.75	171.3	39.35
Lee	1	12,165	1.66	10.40	168.8	41.07
Martin	9	12,730	1.08	9.00	232.4	59.17
Perry	15	11,917	1.16	11.76	160.3	38.21
Unknown	1	12,472	1.59	11.40	166.0	41.41
Tennessee	*	12,749	1.31	7.90	193.0	49.21
Claiborne	*	12,749	1.31	7.90	193.0	49.21
West Virginia	27	12,482	1.26	11.58	171.7	42.87
Boone	4	12,326	1.10	13.00	198.1	48.84
Logan	9	12,693	.89	10.33	168.6	42.79
Mcdowell	14	12,395	1.55	11.96	166.0	41.16
Carolina Power & Light Co Mayo	**1,732**	**12,095**	**.64**	**11.61**	**181.0**	**43.77**
Kentucky	49	12,911	.60	7.49	150.0	38.73
Martin	10	12,533	.76	7.90	162.4	40.71
Pike	39	13,010	.56	7.38	146.9	38.21
West Virginia	1,683	12,071	.64	11.73	181.9	43.92
Mingo	1,683	12,071	.64	11.73	181.9	43.92
Carolina Power & Light Co Cape Fear	**401**	**12,608**	**1.15**	**9.69**	**184.0**	**46.39**
Kentucky	170	12,709	1.05	8.79	193.4	49.16
Breathitt	22	12,117	1.06	9.40	157.6	38.19
Floyd	31	12,662	1.04	10.37	158.5	40.13
Martin	112	12,846	1.05	8.26	210.7	54.13
Pike	5	12,553	.99	8.30	164.8	41.37
Tennessee	127	12,520	1.34	9.43	186.6	46.72
Claiborne	127	12,520	1.34	9.43	186.6	46.72
Virginia	20	12,452	.93	10.40	165.4	41.19
Wise	20	12,452	.93	10.40	165.4	41.19
West Virginia	84	12,574	1.11	11.74	165.4	41.59
Boone	17	12,866	.92	11.74	184.9	47.59
Fayette	10	12,325	.95	13.32	160.1	39.46
Mcdowell	1	12,496	1.17	11.80	170.2	42.54
Mingo	57	12,530	1.20	11.48	160.3	40.17
Carolina Power & Light Co Weatherspoon	**152**	**12,513**	**1.06**	**10.87**	**172.2**	**43.10**
Kentucky	124	12,510	1.10	10.61	169.8	42.49
Breathitt	7	11,977	.84	6.20	170.8	40.91
Floyd	97	12,518	1.15	11.08	163.8	41.00
Harlan	1	12,465	1.22	11.00	163.3	40.71
Martin	9	12,722	.99	8.60	237.3	60.38
Pike	10	12,602	.95	10.98	163.9	41.31
Virginia	1	12,422	1.03	12.90	167.0	41.49
Dickenson	1	12,422	1.03	12.90	167.0	41.49
West Virginia	27	12,528	.89	11.96	183.3	45.93
Boone	24	12,508	.90	12.06	184.5	46.16
Logan	3	12,680	.79	11.15	174.2	44.18
Carolina Power & Light Co Roxboro	**5,086**	**12,588**	**.89**	**9.50**	**179.0**	**45.08**
Kentucky	2,881	12,684	.95	8.07	184.1	46.70
Martin	2,833	12,678	.95	8.07	184.6	46.80
Pike	48	13,033	1.01	7.93	155.7	40.57
Tennessee	3	12,632	1.36	9.50	213.8	54.01
Claiborne	3	12,632	1.36	9.50	213.8	54.01
Virginia	36	13,154	.72	7.48	156.3	41.13
Wise	36	13,154	.72	7.48	156.3	41.13
West Virginia	2,166	12,451	.80	11.43	172.6	42.98
Boone	1,177	12,624	.90	11.81	172.1	43.46
Mingo	989	12,244	.69	10.97	173.2	42.41
Carolina Power & Light Co Sutton	**657**	**12,590**	**1.03**	**10.70**	**180.0**	**45.32**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Sutton						
Kentucky	363	12,567	1.09	9.54	175.7	44.17
Breathitt	51	12,152	1.00	9.03	169.9	41.30
Floyd	52	12,475	1.00	10.70	167.4	41.76
Harlan	172	12,673	1.17	9.32	175.4	44.45
Letcher	64	12,683	1.05	9.67	170.5	43.24
Martin	19	12,848	.99	8.00	237.3	60.98
Pike	5	11,589	.96	14.58	163.1	37.80
West Virginia	294	12,619	.95	12.13	185.2	46.75
Boone	294	12,619	.95	12.13	185.2	46.75
Carolina Power & Light Co Asheville	**798**	**13,376**	**1.12**	**8.39**	**136.6**	**36.55**
Tennessee	21	12,566	1.38	9.64	187.8	47.20
Claiborne	21	12,566	1.38	9.64	187.8	47.20
Virginia	747	13,429	1.12	8.34	134.6	36.15
Wise	747	13,429	1.12	8.34	134.6	36.15
West Virginia	29	12,634	1.00	8.87	154.6	39.06
Mingo	29	12,634	1.00	8.87	154.6	39.06
Cedar Falls City of Streeter	**24**	**11,087**	**2.30**	**9.29**	**135.7**	**30.09**
Indiana	12	11,306	2.48	10.53	148.9	33.66
Pike	12	11,306	2.48	10.53	148.9	33.66
Kentucky	9	11,529	2.76	9.22	126.7	29.21
Laurel	9	11,465	2.85	9.40	123.6	28.34
Unknown	*	13,000	.72	5.00	188.7	49.06
Wyoming	3	9,047	.36	5.14	110.8	20.04
Carbon	3	9,047	.36	5.14	110.8	20.04
Central Electric Pwr Coop-MO Chamois	**117**	**10,885**	**3.29**	**11.15**	**123.3**	**26.83**
Illinois	90	11,038	2.79	9.99	124.6	27.50
Franklin	16	11,280	1.67	10.43	124.2	28.02
Perry	48	10,998	3.17	10.17	127.4	28.01
Randolph	26	10,961	2.77	9.38	119.6	26.23
Missouri	27	10,375	4.97	15.04	118.6	24.61
Ralls	27	10,375	4.97	15.04	118.6	24.61
Central Hudson Gas & Elec Corp Danskammer	**855**	**13,096**	**.58**	**7.87**	**195.0**	**51.07**
Kentucky	401	13,238	.52	7.88	196.2	51.96
Pike	401	13,238	.52	7.88	196.2	51.96
West Virginia	453	12,971	.63	7.85	193.8	50.28
Mingo	453	12,971	.63	7.85	193.8	50.28
Central Illinois Light Co Duck Creek	**986**	**10,501**	**3.47**	**8.62**	**181.2**	**38.06**
Illinois	986	10,501	3.47	8.62	181.2	38.06
Macoupin	986	10,501	3.47	8.62	181.2	38.06
Central Illinois Light Co Edwards	**1,254**	**12,946**	**.92**	**6.33**	**174.1**	**45.07**
Illinois	162	10,510	2.51	10.72	133.3	28.02
Fulton	162	10,510	2.51	10.72	133.3	28.02
Kentucky	862	13,289	.67	5.61	178.9	47.56
Clay	3	13,601	.79	5.13	175.1	47.62
Harlan	26	13,048	.71	6.59	159.2	41.55
Letcher	19	13,057	.77	6.36	173.5	45.30
Perry	541	13,266	.71	5.57	179.3	47.58
Pike	273	13,371	.60	5.54	180.4	48.25
Virginia	6	13,169	.77	6.00	185.3	48.82
Lee	6	13,169	.77	6.00	185.3	48.82
West Virginia	224	13,379	.71	5.94	178.3	47.70
Boone	217	13,372	.71	5.96	178.4	47.71
Nicholas	7	13,609	.71	5.20	174.1	47.39
Central Illinois Pub Serv Co Grand Tower	**111**	**11,660**	**2.98**	**11.32**	**158.5**	**36.96**
Illinois	111	11,660	2.98	11.32	158.5	36.96
Williamson	111	11,660	2.98	11.32	158.5	36.96
Central Illinois Pub Serv Co Hutsonville	**206**	**11,449**	**2.48**	**8.75**	**135.9**	**31.12**
Indiana	206	11,449	2.48	8.75	135.9	31.12
Daviess	156	11,547	2.48	8.42	137.0	31.64
Greene	50	11,144	2.49	9.78	132.3	29.49

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Pub Serv Co Coffeen	**1,707**	**10,553**	**3.63**	**9.04**	**158.0**	**33.35**
Illinois	1,707	10,553	3.63	9.04	158.0	33.35
Macoupin	1,707	10,553	3.63	9.04	158.0	33.35
Central Illinois Pub Serv Co Newton	**1,945**	**11,386**	**1.97**	**10.11**	**164.3**	**37.42**
Colorado	59	11,266	.47	9.66	179.5	40.45
Gunnison	20	11,412	.48	7.96	179.8	41.04
Routt	39	11,191	.46	10.53	179.4	40.15
Illinois	1,188	11,634	2.91	11.28	171.4	39.88
Williamson	1,188	11,634	2.91	11.28	171.4	39.88
Indiana	678	10,937	.50	8.02	149.2	32.63
Daviess	4	11,920	.62	4.73	150.4	35.85
Greene	127	11,142	.59	7.71	147.7	32.90
Knox	80	11,034	.51	7.24	150.2	33.15
Sullivan	467	10,857	.47	8.26	149.4	32.45
New Mexico	20	12,292	.56	13.20	182.2	44.79
Colfax	20	12,292	.56	13.20	182.2	44.79
Central Illinois Pub Serv Co Meredosia	**425**	**11,442**	**2.59**	**5.13**	**159.9**	**36.59**
Illinois	425	11,442	2.59	5.13	159.9	36.59
Schuyler	425	11,442	2.59	5.13	159.9	36.59
Central Iowa Power Coop Fair	**152**	**10,889**	**2.99**	**10.39**	**108.1**	**23.55**
Illinois	141	10,843	2.98	10.60	108.8	23.59
Randolph	141	10,843	2.98	10.60	108.8	23.59
Indiana	11	11,485	3.11	7.69	100.3	23.04
Spencer	11	11,485	3.11	7.69	100.3	23.04
Central Louisiana Elec Co Inc Dolet Hills	**2,981**	**6,858**	**.54**	**12.18**	**127.4**	**17.48**
Louisiana	2,981	6,858	.54	12.18	127.4	17.48
De Soto	2,878	6,850	.54	12.21	126.4	17.32
Red River	103	7,096	.70	11.24	154.0	21.86
Central Louisiana Elec Co Inc Rodemacher	**1,802**	**8,735**	**.50**	**5.83**	**184.4**	**32.21**
Wyoming	1,802	8,735	.50	5.83	184.4	32.21
Campbell	1,802	8,735	.50	5.83	184.4	32.21
Central Operating Co Sporn	**1,791**	**12,206**	**1.15**	**11.50**	**150.2**	**36.68**
Kentucky	356	11,850	1.28	11.56	142.5	33.78
Boyd	145	11,908	1.24	11.25	142.6	33.97
Elliott	20	11,605	1.22	12.72	126.7	29.41
Floyd	128	11,708	1.34	12.34	138.2	32.37
Lawrence	1	12,000	1.92	13.00	109.1	26.18
Magoffin	6	12,144	1.04	9.11	162.3	39.43
Martin	1	12,000	1.92	13.00	109.1	26.18
Perry	1	12,335	1.55	12.70	127.3	31.40
Pike	54	12,071	1.25	10.31	156.8	37.85
West Virginia	1,436	12,294	1.12	11.49	152.1	37.39
Boone	376	12,541	.83	10.07	187.5	47.02
Clay	160	12,110	1.15	12.27	143.0	34.63
Fayette	413	12,364	1.34	11.82	153.6	37.98
Harrison	2	12,016	2.24	13.50	136.3	32.76
Kanawha	258	12,132	1.12	11.88	115.6	28.06
Monongalia	7	12,016	2.24	13.50	136.3	32.76
Nicholas	166	12,105	1.15	12.30	142.3	34.44
Raleigh	4	13,482	.88	6.90	177.3	47.81
Wayne	50	11,849	1.13	12.26	113.9	26.99
Central Power & Light Co Coleto Creek	**1,756**	**10,851**	**.39**	**5.17**	**214.9**	**46.64**
Colorado	1,537	10,705	.37	4.98	221.8	47.50
Moffat	1,537	10,705	.37	4.98	221.8	47.50
Utah	218	11,878	.54	6.56	170.8	40.59
Carbon	218	11,878	.54	6.56	170.8	40.59
Century Power Corp Springerville	**1,360**	**9,517**	**.68**	**15.09**	**186.5**	**35.50**
New Mexico	1,360	9,517	.68	15.09	186.5	35.50
Mckinley	1,360	9,517	.68	15.09	186.5	35.50
Cincinnati Gas & Electric Co East Bend	**1,523**	**11,423**	**1.85**	**12.32**	**144.2**	**32.94**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 East Bend						
Indiana	114	10,883	2.76	10.04	94.8	20.64
Pike	46	10,887	2.31	9.17	91.8	19.99
Spencer	27	10,832	3.28	12.21	92.6	20.06
Warrick	41	10,910	2.93	9.61	99.6	21.74
Kentucky	1,222	11,485	1.71	12.40	148.1	34.01
Bell	2	12,313	2.18	11.00	87.3	21.50
Daviess	235	11,160	2.62	10.81	162.5	36.27
Floyd	3	12,078	.68	9.85	121.9	29.46
Henderson	5	11,588	2.89	8.73	93.4	21.65
Letcher	11	10,967	.93	16.72	99.3	21.77
Magoffin	674	11,667	1.23	13.41	162.6	37.95
Martin	6	11,553	.83	12.85	166.9	38.56
Muhlenberg	98	11,482	2.87	9.45	108.5	24.91
Ohio	45	11,458	2.14	8.01	113.3	25.96
Perry	94	10,898	1.19	16.51	98.6	21.48
Union	48	11,759	2.55	7.50	96.3	22.66
Ohio	87	11,258	2.42	12.52	146.7	33.02
Belmont	5	12,182	2.97	10.50	94.9	23.12
Hocking	2	10,827	3.19	11.90	86.8	18.80
Jackson	8	11,045	2.97	14.27	90.7	20.04
Jefferson	15	11,317	2.39	14.33	141.3	31.99
Lawrence	53	11,162	2.30	12.14	166.1	37.07
Meigs	3	12,011	2.32	10.54	125.9	30.24
Vinton	2	11,219	2.09	9.90	94.3	21.16
Pennsylvania	10	11,228	2.65	19.01	154.2	34.63
Greene	10	11,228	2.65	19.01	154.2	34.63
West Virginia	89	11,439	1.93	13.26	147.8	33.80
Fayette	45	11,345	2.38	13.60	164.7	37.37
Kanawha	29	11,303	1.68	13.60	138.6	31.33
Lincoln	9	11,475	1.05	13.45	101.2	23.22
Mason	2	12,354	2.48	10.60	93.8	23.18
Mingo	5	12,763	.74	8.50	149.4	38.14
Cincinnati Gas & Electric Co Miami Fort	**3,010**	**11,689**	**1.66**	**11.19**	**148.9**	**34.81**
Indiana	62	10,879	2.75	9.96	99.0	21.53
Pike	19	10,916	2.22	8.88	94.6	20.65
Spencer	9	10,819	3.32	12.85	95.3	20.61
Warrick	35	10,874	2.89	9.81	102.2	22.23
Kentucky	1,220	11,590	1.74	10.26	135.1	31.31
Daviess	283	11,176	2.59	10.93	165.2	36.92
Floyd	226	12,060	.66	9.74	120.4	29.04
Henderson	3	11,561	2.82	8.70	95.5	22.08
Letcher	21	12,027	.78	11.27	132.1	31.77
Magoffin	201	11,706	1.12	13.19	153.9	36.04
Martin	8	11,804	.72	12.78	147.6	34.85
Muhlenberg	115	11,466	2.79	9.32	113.9	26.12
Ohio	263	11,416	2.06	8.08	117.2	26.76
Perry	71	12,044	.74	11.19	130.5	31.43
Union	28	11,745	2.54	7.50	95.9	22.52
Ohio	636	11,258	2.45	12.59	149.5	33.66
Belmont	40	11,809	2.96	11.46	98.4	23.24
Hocking	14	11,027	2.68	11.20	91.9	20.27
Jackson	45	11,033	2.95	12.03	90.5	19.97
Jefferson	106	11,275	2.41	14.92	143.2	32.30
Lawrence	421	11,231	2.34	12.25	165.0	37.05
Meigs	3	11,807	2.30	10.97	124.2	29.33
Vinton	5	11,091	3.20	11.07	108.1	23.98
Pennsylvania	40	11,532	2.92	18.43	147.7	34.07
Greene	40	11,532	2.92	18.43	147.7	34.07
West Virginia	1,052	12,117	.98	11.23	166.6	40.37
Boone	251	12,136	.62	12.02	183.3	44.49
Fayette	139	11,341	2.32	13.95	163.5	37.08
Kanawha	541	12,240	.82	10.63	167.3	40.95
Lincoln	20	11,876	.69	12.28	114.0	27.07
Logan	5	12,006	.66	9.75	111.7	26.83
Mason	14	12,143	2.22	9.55	90.1	21.87
Mingo	82	12,635	.72	8.15	145.5	36.76
Monongalia	1	12,055	2.03	15.60	126.7	30.55

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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	**2,016**	**11,412**	**1.68**	**13.15**	**151.2**	**34.52**
Indiana	23	10,845	3.13	11.70	104.3	22.63
Spencer	15	10,779	3.29	12.76	100.1	21.57
Warrick	8	10,973	2.83	9.64	112.5	24.70
Kentucky	1,196	11,530	1.10	13.41	160.6	37.04
Daviess	42	11,192	2.74	10.59	166.5	37.27
Knott	6	11,458	1.17	14.20	114.9	26.33
Letcher	6	11,431	1.71	15.15	116.8	26.70
Magoffin	475	11,657	1.22	13.40	160.4	37.39
Martin	637	11,460	.83	13.73	163.3	37.42
Muhlenberg	6	11,496	2.80	9.35	117.1	26.92
Ohio	15	11,417	2.16	8.39	121.4	27.72
Perry	6	11,710	2.28	13.75	109.6	25.67
Pike	2	12,267	1.84	14.00	123.9	30.40
Ohio	564	11,199	2.66	12.24	132.1	29.60
Belmont	36	11,950	3.15	12.03	100.2	23.94
Hocking	25	10,970	2.75	11.81	85.0	18.64
Jackson	146	11,058	2.94	11.30	91.1	20.15
Jefferson	113	11,236	2.44	15.01	145.0	32.59
Lawrence	229	11,161	2.47	11.61	163.5	36.51
Meigs	5	11,917	3.03	11.77	121.8	29.03
Vinton	9	11,202	3.02	11.10	102.6	22.99
Pennsylvania	61	11,398	2.43	18.01	148.1	33.76
Greene	56	11,374	2.43	18.29	151.4	34.45
Washington	5	11,685	2.40	14.70	108.9	25.45
West Virginia	172	11,364	2.08	12.82	154.1	35.03
Boone	3	12,092	.57	11.80	187.7	45.39
Fayette	68	11,259	2.36	12.15	162.1	36.51
Kanawha	91	11,351	1.94	13.30	152.3	34.57
Lincoln	3	11,555	.93	13.79	104.1	24.05
Mason	3	12,330	2.53	10.43	90.5	22.32
Monongalia	3	12,055	2.03	15.60	125.7	30.31
Cleveland Electric Illum Co Avon Lake	**1,787**	**12,427**	**2.40**	**9.69**	**144.3**	**35.87**
Ohio	1,717	12,392	2.42	9.79	144.0	35.68
Belmont	194	11,957	3.21	11.91	188.9	45.17
Columbiana	70	12,088	2.53	10.20	137.6	33.28
Harrison	1,452	12,465	2.31	9.49	138.5	34.53
Pennsylvania	19	13,589	2.44	6.70	134.4	36.53
Allegheny	19	13,589	2.44	6.70	134.4	36.53
West Virginia	51	13,164	1.92	7.34	158.9	41.85
Monongalia	51	13,164	1.92	7.34	158.9	41.85
Cleveland Electric Illum Co Ashtabula	**1,101**	**12,476**	**3.10**	**9.27**	**150.1**	**37.46**
Ohio	560	12,161	3.95	10.58	172.7	42.01
Belmont	551	12,178	3.95	10.55	173.6	42.27
Tuscarawas	9	11,050	3.79	12.60	113.1	25.00
Pennsylvania	542	12,801	2.22	7.91	128.0	32.76
Venango	542	12,801	2.22	7.91	128.0	32.76
Cleveland Electric Illum Co Lake Shore	**349**	**12,970**	**.67**	**6.03**	**189.6**	**49.18**
Kentucky	213	12,871	.62	5.84	212.9	54.80
Martin	184	12,855	.62	5.66	220.8	56.77
Pike	29	12,974	.60	6.95	162.3	42.11
West Virginia	136	13,125	.74	6.34	153.9	40.41
Boone	63	13,139	.71	6.46	153.8	40.41
Nicholas	73	13,114	.77	6.24	154.1	40.41
Cleveland Electric Illum Co Eastlake	**2,286**	**12,571**	**3.07**	**9.84**	**148.6**	**37.37**
Ohio	1,248	12,312	3.61	10.54	162.6	40.04
Belmont	928	12,274	3.89	10.79	174.8	42.90
Columbiana	142	12,350	2.83	9.74	129.0	31.86
Harrison	164	12,480	2.83	9.84	127.1	31.72
Jefferson	15	12,493	2.57	9.80	121.5	30.36
Pennsylvania	593	12,794	2.53	9.07	129.0	33.02
Allegheny	20	12,875	2.78	9.15	127.1	32.72
Butler	7	12,895	1.03	10.00	164.4	42.40
Clarion	424	12,730	2.63	9.29	128.2	32.64
Greene	97	13,450	2.40	6.86	128.1	34.47
Jefferson	45	11,939	1.97	11.58	134.4	32.08

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Cleveland Electric Illum Co Eastlake						
West Virginia	445	13,003	2.27	8.91	137.2	35.69
Harrison	52	12,065	2.61	12.75	127.5	30.76
Marion	38	13,317	2.36	7.50	155.0	41.29
Monongalia	239	13,248	2.27	7.72	138.0	36.58
Nicholas	116	12,814	2.11	10.11	133.6	34.23
Colorado Springs City of Drake	**729**	**10,674**	**.37**	**6.08**	**160.9**	**34.34**
Colorado	729	10,674	.37	6.08	160.9	34.34
Delta	64	11,255	.40	6.65	99.9	22.49
Moffat	664	10,618	.37	6.03	167.1	35.49
Colorado Springs City of Nixon	**702**	**10,585**	**.40**	**7.66**	**144.6**	**30.60**
Colorado	659	10,705	.42	7.87	148.1	31.70
Delta	27	11,164	.42	7.86	98.0	21.88
Moffat	472	10,538	.36	7.58	171.7	36.18
Routt	160	11,121	.58	8.74	90.6	20.15
Wyoming	43	8,760	.22	4.53	79.5	13.93
Campbell	43	8,760	.22	4.53	79.5	13.93
Colorado-Ute Electric Assn Hayden	**1,597**	**10,664**	**.45**	**10.54**	**77.6**	**16.56**
Colorado	1,597	10,664	.45	10.54	77.6	16.56
Routt	1,597	10,664	.45	10.54	77.6	16.56
Colorado-Ute Electric Assn Craig	**4,165**	**10,206**	**.38**	**6.63**	**102.1**	**20.85**
Colorado	4,165	10,206	.38	6.63	102.1	20.85
Moffat	4,165	10,206	.38	6.63	102.1	20.85
Columbia City of Columbia	**42**	**10,878**	**3.59**	**11.15**	**157.8**	**34.33**
Illinois	40	10,766	3.69	11.35	155.3	33.44
St Clair	40	10,766	3.69	11.35	155.3	33.44
Kentucky	1	14,020	.60	5.43	212.0	59.44
Pike	1	14,020	.60	5.43	212.0	59.44
Columbus Southern Power Co Picway	**179**	**11,495**	**2.87**	**10.08**	**110.1**	**25.30**
Ohio	179	11,495	2.87	10.08	110.1	25.30
Athens	28	11,642	2.59	9.82	114.6	26.67
Hocking	19	11,363	3.21	9.92	91.7	20.85
Perry	9	11,395	3.93	10.81	95.1	21.67
Vinton	123	11,490	2.80	10.12	112.9	25.95
Columbus Southern Power Co Conesville	**3,700**	**11,792**	**3.15**	**8.11**	**152.2**	**35.90**
Ohio	3,700	11,792	3.15	8.11	152.2	35.90
Coshocton	2,064	11,945	3.22	7.05	160.2	38.28
Guernsey	136	11,277	4.19	11.08	103.5	23.34
Hocking	1	11,345	4.23	11.27	101.2	22.96
Holmes	213	11,252	3.92	10.54	101.1	22.76
Muskingum	129	12,087	3.22	7.42	146.1	35.33
Perry	734	11,345	2.59	10.51	151.4	34.35
Tuscarawas	423	12,172	3.03	7.17	155.4	37.82
Columbus City of Refuse & Coal	**61**	**12,476**	**.72**	**7.28**	**152.3**	**38.01**
Kentucky	38	12,991	.77	7.45	148.2	38.50
Pike	38	12,991	.77	7.45	148.2	38.50
Ohio	23	11,601	.63	6.98	160.2	37.17
Jackson	23	11,601	.63	6.98	160.2	37.17
Commonwealth Edison Co Waukegan	**673**	**9,467**	**.46**	**8.43**	**276.6**	**52.37**
Montana	11	9,605	.37	3.80	299.1	57.46
Big Horn	11	9,605	.37	3.80	299.1	57.46
Wyoming	662	9,464	.46	8.51	276.2	52.28
Sweetwater	662	9,464	.46	8.51	276.2	52.28
Commonwealth Edison Co Crawford	**352**	**9,450**	**.43**	**8.30**	**308.1**	**58.23**
Montana	8	9,594	.35	4.02	308.7	59.24
Big Horn	8	9,594	.35	4.02	308.7	59.24
Wyoming	344	9,446	.44	8.40	308.1	58.21
Sweetwater	344	9,446	.44	8.40	308.1	58.21
Commonwealth Edison Co Fisk	**247**	**9,498**	**.47**	**8.23**	**312.2**	**59.30**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Fisk						
Montana	14	9,594	0.37	3.94	309.8	59.44
Big Horn	14	9,594	.37	3.94	309.8	59.44
Wyoming	233	9,492	.47	8.49	312.3	59.29
Sweetwater	233	9,492	.47	8.49	312.3	59.29
Commonwealth Edison Co Joliet	**1,805**	**9,479**	**.43**	**7.82**	**289.4**	**54.86**
Montana	256	9,585	.36	4.28	297.9	57.10
Big Horn	256	9,585	.36	4.28	297.9	57.10
Wyoming	1,549	9,461	.45	8.41	288.0	54.49
Sweetwater	1,549	9,461	.45	8.41	288.0	54.49
Commonwealth Edison Co Kincaid	**2,029**	**10,205**	**3.44**	**9.83**	**148.7**	**30.36**
Illinois	2,029	10,205	3.44	9.83	148.7	30.36
Christian	2,029	10,205	3.44	9.83	148.7	30.36
Commonwealth Edison Co Powerton	**2,421**	**9,589**	**.36**	**4.22**	**280.3**	**53.76**
Montana	2,421	9,589	.36	4.22	280.3	53.76
Big Horn	2,421	9,589	.36	4.22	280.3	53.76
Commonwealth Edison Co State Line	**177**	**9,574**	**.36**	**4.33**	**295.6**	**56.60**
Montana	177	9,574	.36	4.33	295.6	56.60
Big Horn	177	9,574	.36	4.33	295.6	56.60
Commonwealth Edison Co Will County	**812**	**9,478**	**.43**	**7.50**	**311.0**	**58.95**
Montana	171	9,562	.35	4.40	306.3	58.58
Big Horn	171	9,562	.35	4.40	306.3	58.58
Wyoming	641	9,455	.45	8.32	312.3	59.05
Sheridan	23	9,456	.45	4.80	296.3	56.04
Sweetwater	617	9,455	.45	8.46	312.9	59.17
Consumers Power Co Karn-Weadock	**1,064**	**12,152**	**.79**	**9.91**	**171.8**	**41.75**
Kentucky	577	12,375	.82	9.31	182.3	45.13
Floyd	28	12,149	.93	9.33	178.0	43.26
Harlan	57	12,023	.87	11.68	186.4	44.82
Martin	111	12,225	.82	8.81	151.9	37.14
Perry	196	12,541	.81	8.73	178.2	44.69
Pike	160	12,493	.83	9.24	201.4	50.31
Whitley	25	12,057	.72	11.00	221.5	53.41
Pennsylvania	49	12,530	.99	10.01	151.6	37.99
Allegheny	49	12,530	.99	10.01	151.6	37.99
West Virginia	392	12,175	.78	11.38	162.4	39.55
Boone	300	12,066	.78	11.68	163.4	39.43
Logan	61	12,324	.78	11.88	164.9	40.63
Mingo	10	12,740	.68	7.10	148.2	37.76
Nicholas	21	13,034	.87	7.62	149.3	38.93
Wyoming	46	8,780	.30	4.85	127.1	22.33
Campbell	46	8,780	.30	4.85	127.1	22.33
Consumers Power Co Campbell	**3,350**	**12,239**	**.72**	**9.77**	**184.4**	**45.14**
Kentucky	1,643	12,615	.75	8.75	190.2	47.98
Floyd	54	12,416	.85	10.34	188.0	46.69
Harlan	9	12,173	.72	11.00	164.8	40.12
Letcher	127	12,695	.74	8.71	163.8	41.59
Perry	240	12,478	.86	9.12	179.4	44.78
Pike	1,136	12,663	.74	8.52	193.3	48.95
Whitley	77	12,401	.56	9.58	225.8	56.01
West Virginia	1,522	12,252	.74	11.41	182.6	44.75
Boone	1,446	12,254	.74	11.39	183.5	44.98
Logan	76	12,229	.73	11.85	165.2	40.40
Wyoming	185	8,799	.36	5.31	131.6	23.16
Campbell	185	8,799	.36	5.31	131.6	23.16
Consumers Power Co Cobb-Sandusky Sg	**1,049**	**11,294**	**.68**	**8.03**	**173.4**	**39.17**
Kentucky	457	12,478	.76	9.09	206.2	51.47
Floyd	7	12,785	.93	7.81	187.4	47.92
Letcher	9	12,884	.93	9.50	173.5	44.71
Perry	113	12,523	.83	8.40	180.8	45.28
Pike	200	12,638	.82	8.70	211.3	53.41
Whitley	128	12,143	.56	10.36	224.6	54.55

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Cobb-Sandusky Sg						
Pennsylvania	223	12,497	1.00	9.73	154.2	38.54
Allegheny	223	12,497	1.00	9.73	154.2	38.54
West Virginia	29	12,348	.87	11.71	182.1	44.98
Boone	18	12,214	.98	12.00	181.3	44.29
Logan	11	12,580	.70	11.20	183.5	46.17
Wyoming	340	8,824	.34	5.19	127.7	22.54
Campbell	224	8,833	.37	5.19	128.6	22.71
Converse	116	8,806	.30	5.18	126.0	22.20
Consumers Power Co Weadock-Sandusky	**704**	**11,622**	**.76**	**9.42**	**161.5**	**38.18**
Kentucky	265	12,348	.84	9.24	178.8	44.16
Harlan	10	11,913	.79	10.63	185.0	44.07
Martin	61	12,125	.90	8.96	149.1	36.15
Perry	76	12,409	.83	8.78	177.7	44.10
Pike	100	12,555	.86	9.14	189.9	47.68
Whitley	17	11,936	.63	11.97	220.0	52.52
Pennsylvania	114	12,567	1.02	9.64	151.7	38.13
Allegheny	114	12,567	1.02	9.64	151.7	38.13
West Virginia	222	12,146	.74	11.63	158.3	38.45
Boone	191	12,074	.75	11.84	157.0	37.92
Logan	21	12,566	.65	11.50	174.1	43.77
Mingo	10	12,618	.72	7.80	148.2	37.40
Wyoming	102	8,920	.29	4.82	124.2	22.15
Campbell	102	8,920	.29	4.82	124.2	22.15
Consumers Power Co Whiting	**864**	**12,318**	**.83**	**10.51**	**180.4**	**44.44**
Kentucky	587	12,314	.84	10.15	191.4	47.15
Bell	9	12,814	1.00	8.30	167.5	42.93
Floyd	10	12,200	1.00	12.00	162.5	39.65
Harlan	26	12,000	.96	12.00	171.3	41.12
Letcher	30	12,537	.83	10.02	144.4	36.20
Pike	365	12,408	.84	9.50	192.8	47.84
Whitley	147	12,066	.79	11.44	205.3	49.54
West Virginia	277	12,327	.81	11.26	157.1	38.72
Boone	183	12,221	.78	11.22	158.4	38.73
Logan	73	12,445	.81	11.88	158.2	39.39
Nicholas	21	12,851	1.00	9.49	141.6	36.39
Coop Power Assn Coal Creek	**7,094**	**6,277**	**.65**	**10.57**	**70.5**	**8.85**
North Dakota	7,094	6,277	.65	10.57	70.5	8.85
Mclean	7,094	6,277	.65	10.57	70.5	8.85
Dairyland Power Coop Alma-Madgett	**1,390**	**9,069**	**.51**	**5.10**	**134.4**	**24.37**
Illinois	191	11,596	1.39	6.50	143.6	33.30
Jefferson	191	11,596	1.39	6.50	143.6	33.30
Pennsylvania	53	12,691	1.22	6.53	146.9	37.28
Greene	53	12,691	1.22	6.53	146.9	37.28
Wyoming	1,145	8,479	.33	4.80	131.4	22.28
Campbell	1,145	8,479	.33	4.80	131.4	22.28
Dairyland Power Coop Stoneman	**33**	**12,711**	**1.22**	**6.16**	**144.5**	**36.73**
Illinois	15	12,149	1.07	5.27	145.2	35.27
Jefferson	15	12,149	1.07	5.27	145.2	35.27
Kentucky	2	12,969	.82	9.40	136.7	35.46
Letcher	2	12,969	.82	9.40	136.7	35.46
Pennsylvania	16	13,206	1.41	6.68	144.6	38.20
Greene	16	13,206	1.41	6.68	144.6	38.20
Dairyland Power Coop Genoa No.3	**814**	**10,165**	**1.92**	**7.77**	**125.6**	**25.52**
Illinois	404	10,854	2.95	9.88	133.0	28.88
Randolph	404	10,854	2.95	9.88	133.0	28.88
Kentucky	105	12,206	2.67	9.27	127.4	31.10
Hopkins	105	12,206	2.67	9.27	127.4	31.10
Wyoming	304	8,544	.30	4.44	112.0	19.14
Campbell	304	8,544	.30	4.44	112.0	19.14
Dayton Power & Light Co Stuart	**6,824**	**11,552**	**1.38**	**13.86**	**145.1**	**33.52**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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						
Kentucky	5,394	11,516	1.29	13.94	154.1	35.50
Bell	241	12,285	1.27	9.97	182.7	44.88
Boyd	47	11,084	1.26	14.78	125.2	27.76
Breathitt	133	11,030	1.22	14.42	112.4	24.80
Elliott	102	11,273	1.41	15.00	122.2	27.54
Floyd	815	11,168	1.29	14.79	108.6	24.25
Johnson	178	11,194	1.37	14.55	113.5	25.40
Knott	8	10,994	1.53	16.42	106.3	23.36
Lawrence	254	11,255	1.30	15.29	108.7	24.48
Letcher	39	11,250	1.49	14.96	106.2	23.90
Martin	262	11,449	1.39	13.86	115.8	26.51
Morgan	6	11,091	1.36	15.25	110.6	24.54
Perry	2,125	11,454	1.19	14.61	181.3	41.54
Pike	1,182	11,938	1.41	12.36	163.7	39.08
Ohio	363	11,238	3.26	12.58	101.6	22.83
Belmont	54	11,751	3.05	12.29	101.0	23.73
Hocking	30	11,113	3.64	13.14	104.1	23.13
Jackson	158	11,055	3.34	12.50	102.2	22.59
Jefferson	40	11,845	3.40	12.94	102.2	24.21
Lawrence	21	10,313	3.48	15.11	88.9	18.33
Vinton	59	11,243	2.88	11.62	103.0	23.16
Pennsylvania	2	11,982	1.17	13.40	100.2	24.01
Fayette	2	11,982	1.17	13.40	100.2	24.01
West Virginia	1,065	11,836	1.19	13.92	114.8	27.18
Boone	53	11,544	1.15	14.27	114.8	26.50
Clay	253	11,935	1.24	13.57	104.0	24.82
Fayette	220	11,778	1.27	14.53	107.7	25.37
Kanawha	142	11,994	1.20	13.85	124.3	29.82
Logan	171	11,763	1.22	13.97	148.5	34.95
Mason	2	11,671	4.07	12.90	121.4	28.34
Mingo	23	11,286	1.20	14.97	115.9	26.17
Nicholas	132	11,887	1.03	13.31	100.7	23.95
Webster	70	11,825	.94	13.86	101.7	24.04
Dayton Power & Light Co Hutchings	**142**	**12,115**	**.76**	**11.19**	**152.9**	**37.05**
Kentucky	114	12,092	.76	11.16	152.4	36.85
Floyd	7	12,482	.79	9.71	155.4	38.78
Knott	11	12,706	.73	9.60	172.3	43.78
Lee	2	11,768	.87	9.23	153.0	36.02
Letcher	2	12,543	.77	9.00	166.0	41.64
Perry	52	12,043	.78	10.50	144.2	34.72
Pike	39	11,900	.73	13.01	155.8	37.08
West Virginia	28	12,207	.74	11.33	155.0	37.83
Boone	4	12,043	.76	12.40	138.7	33.41
Logan	8	11,914	.62	14.00	197.1	46.96
Nicholas	17	12,369	.79	9.95	140.8	34.82
Dayton Power & Light Co Killen	**1,736**	**12,466**	**.75**	**10.30**	**143.4**	**35.74**
Kentucky	457	12,315	1.08	9.62	127.7	31.45
Breathitt	3	12,277	.70	9.80	145.5	35.73
Elliott	8	12,335	.67	10.70	130.9	32.30
Floyd	90	12,312	.65	10.57	131.0	32.26
Knott	62	12,750	.70	8.75	128.6	32.78
Lawrence	18	12,414	.62	7.68	126.9	31.52
Leslie	45	12,332	.66	9.70	121.1	29.87
Letcher	33	12,924	.71	7.30	118.4	30.61
Martin	35	12,711	.70	7.98	128.8	32.74
Muhlenberg	76	11,693	3.14	10.10	117.2	27.41
Pike	87	12,132	.64	10.63	138.4	33.59
West Virginia	1,279	12,519	.63	10.54	148.9	37.27
Boone	105	12,526	.64	11.09	129.1	32.34
Fayette	104	12,785	.65	9.49	123.1	31.47
Kanawha	118	12,427	.64	11.46	129.4	32.17
Lincoln	13	12,737	.67	8.93	117.3	29.88
Logan	780	12,470	.62	10.76	163.8	40.85
Mingo	159	12,632	.68	9.22	123.4	31.17
Deepwater Operating Co Deepwater	**173**	**13,073**	**.81**	**8.19**	**175.5**	**45.88**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Deepwater Operating Co Deepwater						
West Virginia	173	13,073	0.81	8.19	175.5	45.88
Barbour	7	12,985	.84	8.40	167.1	43.40
Braxton	91	13,117	.83	7.69	177.5	46.58
Nicholas	14	12,760	.79	10.50	171.1	43.66
Webster	61	13,090	.78	8.37	174.3	45.63
Delmarva Power & Light Co Edgemoor	**600**	**13,165**	**.81**	**8.06**	**196.1**	**51.63**
Virginia	69	13,209	.84	7.99	199.7	52.75
Wise	69	13,209	.84	7.99	199.7	52.75
West Virginia	532	13,159	.80	8.07	195.6	51.49
Mingo	56	12,762	.76	9.26	156.3	39.90
Nicholas	13	13,193	.75	8.35	166.0	43.79
Webster	463	13,206	.81	7.92	201.0	53.10
Delmarva Power & Light Co Indian River	**1,318**	**12,843**	**1.15**	**9.41**	**171.4**	**44.04**
Kentucky	24	12,424	.75	7.84	177.3	44.06
Pike	24	12,424	.75	7.84	177.3	44.06
Maryland	7	12,945	1.50	10.50	138.8	35.94
Garrett	7	12,945	1.50	10.50	138.8	35.94
Pennsylvania	456	12,754	1.50	9.92	163.0	41.58
Cambria	181	12,322	1.34	11.15	177.1	43.63
Jefferson	275	13,038	1.60	9.11	154.3	40.23
Virginia	7	13,465	1.14	8.40	203.7	54.86
Wise	7	13,465	1.14	8.40	203.7	54.86
West Virginia	823	12,898	.96	9.17	175.9	45.37
Boone	7	13,026	.72	8.30	174.3	45.41
Kanawha	61	12,351	.70	10.46	164.1	40.53
Mingo	207	12,597	.74	9.25	177.1	44.62
Nicholas	78	12,930	.76	7.66	169.2	43.75
Preston	182	13,277	1.64	9.65	161.5	42.89
Webster	287	12,978	.81	8.97	188.6	48.97
Deseret Generation & Tran Coop Bonanza	**1,343**	**10,776**	**.44**	**8.71**	**239.8**	**51.68**
Colorado	1,343	10,776	.44	8.71	239.8	51.68
Rio Blanco	1,343	10,776	.44	8.71	239.8	51.68
Detroit Edison Co Harbor Beach	**98**	**13,385**	**.82**	**6.91**	**222.1**	**59.47**
Kentucky	37	12,709	.90	8.93	252.6	64.21
Floyd	14	12,523	.93	8.90	252.1	63.14
Perry	9	12,871	1.02	8.00	242.9	62.53
Pike	14	12,791	.79	9.55	259.4	66.36
West Virginia	61	13,795	.76	5.69	205.1	56.59
Nicholas	10	13,267	.97	7.50	186.8	49.57
Wyoming	51	13,899	.72	5.34	208.5	57.97
Detroit Edison Co Belle River	**4,162**	**9,524**	**.34**	**4.15**	**149.0**	**28.38**
Montana	4,162	9,524	.34	4.15	149.0	28.38
Big Horn	4,162	9,524	.34	4.15	149.0	28.38
Detroit Edison Co Trenton Channel	**1,265**	**12,276**	**.72**	**7.21**	**206.8**	**50.77**
Kentucky	325	12,786	.83	8.03	235.6	60.24
Floyd	126	12,691	.87	6.82	237.5	60.28
Letcher	10	12,687	.98	8.80	169.1	42.91
Perry	20	13,143	.77	6.80	196.9	51.76
Pike	169	12,820	.79	9.02	242.8	62.25
Montana	246	9,503	.34	4.15	159.4	30.30
Big Horn	246	9,503	.34	4.15	159.4	30.30
West Virginia	694	13,021	.80	7.91	205.8	53.59
Boone	385	13,019	.90	8.49	226.7	59.04
Logan	31	12,977	.57	5.89	235.2	61.05
Nicholas	278	13,028	.69	7.32	173.5	45.21
Detroit Edison Co Monroe	**7,131**	**12,144**	**.81**	**6.47**	**179.4**	**43.58**
Kentucky	1,687	12,741	.91	8.05	206.5	52.61
Floyd	244	12,681	.82	7.08	246.5	62.52
Knott	14	12,603	.92	8.90	153.5	38.69
Letcher	29	12,722	1.06	9.36	148.4	37.76
Martin	592	12,553	.87	8.21	185.8	46.64
Perry	185	12,985	.98	7.22	221.8	57.60
Pike	623	12,875	.94	8.43	209.4	53.93

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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						
Montana	1,366	9,528	0.34	4.15	152.0	28.96
Big Horn	1,366	9,528	.34	4.15	152.0	28.96
Pennsylvania	1,232	13,159	1.27	6.64	178.3	46.91
Greene	1,216	13,160	1.27	6.66	178.7	47.05
Washington	16	13,063	1.40	5.50	141.6	36.99
Virginia	598	13,319	1.22	7.27	176.2	46.93
Buchanan	598	13,319	1.22	7.27	176.2	46.93
West Virginia	1,811	13,290	.75	6.76	184.5	49.03
Boone	881	13,516	.81	5.91	201.9	54.56
Logan	162	12,551	.67	10.91	190.0	47.70
Mingo	21	12,957	.74	7.37	152.3	39.48
Nicholas	635	13,080	.68	7.14	158.2	41.40
Wayne	9	12,503	.73	7.30	139.0	34.76
Wyoming	103	13,952	.72	4.95	193.8	54.08
Wyoming	437	8,796	.26	4.88	101.3	17.82
Campbell	212	8,798	.21	4.49	101.6	17.88
Converse	225	8,795	.31	5.24	101.0	17.77
Detroit Edison Co River Rouge	**1,045**	**12,397**	**.73**	**10.00**	**181.0**	**44.88**
Kentucky	447	12,577	.86	8.49	196.9	49.52
Floyd	9	12,666	.84	6.70	255.1	64.62
Martin	375	12,550	.87	8.36	187.3	47.02
Pike	63	12,725	.80	9.53	244.5	62.22
West Virginia	574	12,408	.65	11.39	170.8	42.38
Logan	574	12,408	.65	11.39	170.8	42.38
Wyoming	24	8,758	.27	4.75	104.0	18.21
Campbell	24	8,758	.27	4.75	104.0	18.21
Detroit Edison Co St Clair	**4,627**	**9,672**	**.46**	**4.42**	**149.6**	**28.94**
Montana	4,399	9,524	.34	4.15	148.7	28.32
Big Horn	4,399	9,524	.34	4.15	148.7	28.32
Ohio	49	11,981	2.62	9.31	154.2	36.94
Columbiana	26	12,393	2.56	8.55	145.9	36.17
Coshocton	6	11,318	3.51	11.00	144.5	32.71
Perry	17	11,585	2.39	9.86	171.0	39.62
Pennsylvania	141	12,719	2.78	9.39	168.8	42.95
Clarion	132	12,757	2.83	9.20	170.8	43.58
Washington	9	12,157	2.04	12.10	138.9	33.77
West Virginia	38	12,500	2.66	11.75	154.8	38.70
Marion	20	12,362	2.87	12.70	154.5	38.20
Monongalia	18	12,653	2.43	10.70	155.1	39.25
Duke Power Co Cliffside	**666**	**12,573**	**.96**	**9.45**	**163.4**	**41.09**
Kentucky	606	12,561	.96	9.34	164.8	41.41
Bell	9	11,874	.95	9.60	172.0	40.85
Floyd	8	12,709	.89	7.10	149.0	37.87
Harlan	358	12,653	1.01	8.88	178.9	45.27
Laurel	54	12,148	.72	10.55	140.9	34.25
Letcher	17	12,559	.69	9.01	147.4	37.04
Perry	27	11,894	.73	10.30	149.5	35.55
Pike	133	12,652	.99	10.06	141.9	35.91
Virginia	53	12,651	1.06	10.64	145.9	36.91
Dickenson	31	12,323	.97	11.95	151.5	37.34
Wise	22	13,113	1.17	8.80	138.4	36.30
West Virginia	7	13,054	.76	10.06	173.7	45.35
Logan	7	13,054	.76	10.06	173.7	45.35
Duke Power Co Allen	**802**	**12,522**	**.95**	**11.28**	**183.5**	**45.95**
Kentucky	19	12,510	.81	7.82	169.5	42.42
Bell	19	12,510	.81	7.82	169.5	42.42
Virginia	783	12,522	.95	11.37	183.8	46.03
Wise	783	12,522	.95	11.37	183.8	46.03
Duke Power Co Belews Creek	**4,392**	**12,484**	**.92**	**9.48**	**180.7**	**45.12**
Kentucky	3,312	12,439	.87	9.09	182.4	45.38
Bell	210	12,459	.84	8.40	163.8	40.82
Martin	3,023	12,424	.87	9.19	184.3	45.78
Pike	79	12,966	1.12	7.07	162.3	42.09

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company / Plant / Origin State / County	Quantity (thousand short tons)	Average Quality: Btu (per pound)	Average Quality: Sulfur (percent by weight)	Average Quality: Ash (percent by weight)	Average Delivered Cost: (cents per million Btu)	Average Delivered Cost: (dollars per short ton)
Duke Power Co — Belews Creek						
Virginia	930	12,688	1.09	10.65	178.0	45.17
Wise	930	12,688	1.09	10.65	178.0	45.17
West Virginia	150	12,215	.85	10.88	159.6	38.98
Mingo	150	12,215	.85	10.88	159.6	38.98
Duke Power Co — Buck	**95**	**12,643**	**.87**	**8.79**	**166.0**	**41.98**
Kentucky	66	12,770	.78	7.52	162.3	41.46
Martin	24	12,495	.68	7.25	163.2	40.78
Pike	33	13,083	.83	6.89	159.0	41.62
Whitley	9	12,355	.83	10.57	172.9	42.72
Virginia	10	12,588	1.05	11.80	201.6	50.75
Wise	10	12,588	1.05	11.80	201.6	50.75
West Virginia	19	12,229	1.09	11.60	160.0	39.14
Mingo	19	12,229	1.09	11.60	160.0	39.14
Duke Power Co — Lee	**301**	**12,319**	**.93**	**10.17**	**163.9**	**40.38**
Kentucky	278	12,336	.92	10.03	165.0	40.70
Floyd	22	12,551	.89	8.41	165.2	41.48
Harlan	109	12,433	.99	9.77	172.6	42.93
Johnson	4	12,383	.75	10.75	157.0	38.90
Knott	4	11,889	.65	10.45	157.8	37.52
Knox	2	11,270	2.18	12.10	175.7	39.60
Laurel	4	11,943	1.38	10.25	164.3	39.24
Magoffin	7	12,656	.76	6.26	157.0	39.74
Martin	2	12,028	1.40	12.50	157.6	37.91
Pike	124	12,243	.85	10.64	159.0	38.94
Virginia	23	12,104	.99	11.87	150.7	36.49
Dickenson	19	11,920	1.01	12.39	150.4	35.86
Wise	4	12,983	.88	9.35	152.0	39.47
Duke Power Co — Dan River	**132**	**12,624**	**.85**	**8.81**	**163.1**	**41.19**
Kentucky	74	12,785	.79	7.52	163.4	41.79
Harlan	3	11,781	.97	13.50	153.2	36.10
Martin	31	12,478	.73	7.79	161.6	40.33
Pike	40	13,099	.83	6.86	165.4	43.34
Virginia	27	12,403	.97	10.79	172.4	42.76
Lee	2	12,415	1.21	10.95	150.3	37.32
Wise	25	12,402	.95	10.78	174.1	43.19
West Virginia	31	12,434	.90	10.15	154.4	38.40
Logan	1	12,007	1.06	12.90	146.5	35.18
Mingo	30	12,448	.89	10.06	154.7	38.50
Duke Power Co — Riverbend	**88**	**12,391**	**1.00**	**9.99**	**176.7**	**43.80**
Kentucky	88	12,391	1.00	9.99	176.7	43.80
Floyd	7	11,732	1.04	13.50	169.5	39.77
Harlan	56	12,626	1.03	9.07	192.9	48.70
Laurel	17	12,120	.81	10.80	141.3	34.25
Perry	8	11,901	1.10	11.70	140.0	33.32
Duke Power Co — Marshall	**3,096**	**12,479**	**.98**	**10.48**	**176.9**	**44.15**
Kentucky	1,196	12,463	1.01	9.37	175.3	43.71
Breathitt	8	11,747	.82	9.70	149.7	35.17
Clay	19	11,890	1.10	11.98	158.4	37.68
Floyd	16	12,269	.81	7.42	156.7	38.46
Harlan	708	12,511	1.03	9.40	187.5	46.92
Laurel	44	12,492	.99	9.60	140.6	35.12
Letcher	45	12,442	1.01	9.92	150.2	37.39
Martin	161	12,471	.83	8.71	155.4	38.76
Perry	36	11,698	1.06	10.77	152.4	35.66
Pike	150	12,586	1.09	9.25	168.8	42.48
Unknown	9	11,736	.92	8.70	149.9	35.18
Virginia	1,675	12,466	.98	11.43	181.4	45.22
Wise	1,675	12,466	.98	11.43	181.4	45.22
West Virginia	225	12,664	.81	9.28	152.3	38.57
Boone	44	12,867	.85	8.42	179.8	46.26
Mcdowell	10	13,271	1.26	7.40	164.5	43.66
Mingo	171	12,576	.78	9.61	144.3	36.30
Duquesne Light Co — Cheswick	**1,456**	**12,317**	**1.54**	**12.32**	**131.0**	**32.27**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Duquesne Light Co Cheswick						
Pennsylvania	837	12,306	1.43	12.00	133.8	32.94
Allegheny	633	12,274	1.38	12.14	139.8	34.31
Butler	8	12,373	.86	10.68	139.6	34.55
Indiana	32	12,583	1.56	12.00	120.0	30.20
Washington	164	12,373	1.63	11.56	113.6	28.11
West Virginia	619	12,331	1.69	12.75	127.1	31.35
Monongalia	619	12,331	1.69	12.75	127.1	31.35
Duquesne Light Co Elrama	**1,058**	**12,178**	**1.88**	**13.00**	**111.6**	**27.18**
Pennsylvania	614	12,242	1.84	12.45	115.5	28.28
Allegheny	221	12,531	1.82	11.37	129.1	32.34
Beaver	58	12,278	2.01	12.72	104.3	25.60
Greene	29	12,766	1.58	9.37	107.4	27.43
Washington	306	11,977	1.85	13.47	108.3	25.93
West Virginia	444	12,089	1.94	13.76	106.1	25.66
Monongalia	256	12,129	1.95	13.10	110.9	26.91
Preston	188	12,034	1.93	14.67	99.5	23.95
East Kentucky Power Coop Spurlock	**1,574**	**11,993**	**1.07**	**12.03**	**111.6**	**26.76**
Kentucky	767	11,779	1.11	11.69	114.6	27.00
Boyd	205	12,322	.72	10.51	120.8	29.76
Floyd	118	11,721	1.55	13.01	114.4	26.81
Greenup	207	11,293	1.83	11.39	110.1	24.87
Harlan	5	12,266	.61	11.78	134.8	33.06
Lawrence	15	11,813	.59	11.70	107.5	25.40
Magoffin	11	12,002	.59	13.10	104.9	25.18
Perry	21	12,397	.64	9.79	130.9	32.46
Pike	66	12,154	.64	11.63	127.3	30.93
Unknown	119	11,383	.60	13.20	101.5	23.11
Ohio	37	11,332	2.71	10.81	89.0	20.16
Hocking	8	11,216	2.51	10.55	79.9	17.92
Jackson	29	11,364	2.77	10.89	91.4	20.78
Pennsylvania	9	13,561	2.34	6.70	103.6	28.10
Greene	9	13,561	2.34	6.70	103.6	28.10
West Virginia	761	12,221	.94	12.48	109.7	26.82
Fayette	336	12,302	1.32	13.24	108.8	26.76
Kanawha	3	12,137	.70	10.80	133.1	32.31
Logan	337	12,160	.65	11.96	110.8	26.95
Mingo	56	12,013	.57	11.63	109.2	26.23
Nicholas	29	12,414	.58	11.60	107.1	26.58
East Kentucky Power Coop Cooper	**605**	**12,068**	**1.45**	**11.17**	**114.7**	**27.68**
Kentucky	584	12,063	1.44	11.15	115.1	27.77
Clay	127	12,601	1.29	8.59	109.5	27.61
Laurel	21	11,904	2.11	11.84	102.2	24.33
Leslie	3	11,849	1.41	12.20	98.3	23.30
Perry	1	11,772	1.24	11.20	129.5	30.49
Pulaski	432	11,916	1.46	11.87	117.6	28.02
Tennessee	21	12,187	1.69	11.54	102.5	24.99
Fentress	14	11,925	1.87	13.09	100.0	23.84
Scott	6	12,787	1.29	8.00	108.0	27.61
East Kentucky Power Coop Dale	**200**	**12,203**	**.78**	**9.75**	**113.1**	**27.60**
Kentucky	200	12,203	.78	9.75	113.1	27.60
Breathitt	10	12,021	.91	9.72	126.7	30.47
Clay	3	12,752	1.29	7.30	132.7	33.84
Jackson	1	11,769	.98	7.60	111.5	26.24
Knott	13	12,550	.75	9.38	109.0	27.36
Owsley	2	11,098	1.08	12.70	115.9	25.73
Perry	171	12,193	.77	9.80	112.2	27.37
Electric Energy Inc Joppa	**2,433**	**11,468**	**1.92**	**8.51**	**135.9**	**31.17**
Illinois	1,358	11,880	1.94	8.09	154.6	36.73
Franklin	816	11,701	1.89	8.24	148.4	34.73
Gallatin	10	12,133	3.27	12.30	104.7	25.41
Jefferson	29	11,704	1.57	7.77	138.4	32.40
Saline	504	12,174	2.02	7.79	166.1	40.43

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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						
Indiana	879	10,968	1.86	8.95	109.0	23.91
Daviess	40	10,861	2.79	11.96	101.9	22.13
Dubois	179	11,075	1.87	8.82	114.4	25.34
Gibson	387	10,865	1.78	8.88	103.9	22.59
Pike	273	11,058	1.84	8.70	113.6	25.12
Kentucky	158	11,301	2.42	10.39	114.9	25.97
Daviess	49	11,037	2.99	12.05	102.6	22.65
Hopkins	12	11,999	3.13	10.67	115.9	27.81
Ohio	83	11,205	1.81	9.23	122.9	27.54
Union	14	12,210	3.46	11.20	109.5	26.74
Montana	13	9,529	.54	4.82	127.4	24.28
Big Horn	13	9,529	.54	4.82	127.4	24.28
Wyoming	24	8,658	.44	5.29	120.8	20.91
Campbell	24	8,658	.44	5.29	120.8	20.91
Empire District Electric Co Riverton	**297**	**10,189**	**1.05**	**7.44**	**116.6**	**23.77**
Kansas	128	12,040	2.16	11.29	116.2	27.99
Crawford	128	12,040	2.16	11.29	116.2	27.99
Wyoming	169	8,787	.21	4.52	117.1	20.57
Campbell	169	8,787	.21	4.52	117.1	20.57
Empire District Electric Co Asbury	**850**	**9,810**	**4.57**	**21.06**	**103.6**	**20.33**
Kansas	48	12,080	3.36	12.43	115.4	27.89
Crawford	48	12,080	3.36	12.43	115.4	27.89
Missouri	620	9,932	5.94	26.57	95.2	18.90
Barton	620	9,932	5.94	26.57	95.2	18.90
Wyoming	182	8,790	.21	4.52	132.0	23.20
Campbell	182	8,790	.21	4.52	132.0	23.20
Florida Power Corp Crystal River	**5,664**	**12,628**	**.83**	**8.68**	**174.1**	**43.97**
Kentucky	4,059	12,670	.88	8.24	162.1	41.09
Boyd	18	12,002	.68	10.32	168.5	40.44
Breathitt	495	12,145	.99	8.42	132.2	32.11
Clay	9	12,640	1.17	9.00	173.2	43.78
Floyd	18	12,574	.70	8.38	171.6	43.15
Harlan	1,006	12,490	1.07	9.41	170.5	42.60
Knott	103	12,660	.73	8.89	171.2	43.34
Leslie	34	12,656	1.11	8.70	163.6	41.41
Letcher	1,700	13,012	.77	6.92	166.3	43.27
Magoffin	8	11,940	.71	10.88	171.5	40.95
Perry	309	12,263	.94	10.31	160.6	39.38
Pike	359	12,681	.71	8.77	155.9	39.53
Virginia	821	12,480	.72	8.99	233.7	58.33
Lee	821	12,480	.72	8.99	233.7	58.33
West Virginia	784	12,569	.69	10.62	174.4	43.84
Boone	759	12,566	.68	10.63	174.9	43.96
Fayette	6	12,755	.72	10.27	156.8	40.01
Kanawha	13	12,592	1.01	11.60	158.3	39.86
Logan	5	12,799	.96	8.33	162.4	41.56
Fremont City of Wright	**121**	**11,104**	**.53**	**6.87**	**155.5**	**34.54**
Colorado	80	12,319	.56	7.54	181.8	44.80
Gunnison	80	12,319	.56	7.54	181.8	44.80
Montana	*	8,865	.32	7.00	22.6	4.01
Big Horn	*	8,865	.32	7.00	22.6	4.01
Wyoming	41	8,782	.47	5.60	85.2	14.97
Campbell	41	8,782	.47	5.60	85.2	14.97
Gainesville Regional Util Deerhaven	**516**	**13,067**	**.66**	**5.96**	**174.1**	**45.50**
Kentucky	500	13,057	.66	5.92	173.5	45.32
Letcher	71	13,033	.74	6.23	179.3	46.72
Pike	429	13,061	.65	5.87	172.6	45.08
Virginia	17	13,385	.82	7.15	191.0	51.13
Dickenson	17	13,385	.82	7.15	191.0	51.13
Georgia Power Co Harllee Branch	**4,218**	**12,386**	**1.31**	**9.99**	**171.5**	**42.49**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Harllee Branch						
Kentucky	3,029	12,175	1.44	10.60	157.0	38.23
Bell	27	12,159	1.41	10.92	190.3	46.28
Breathitt	720	12,023	1.41	9.70	145.8	35.06
Clay	121	12,074	1.50	11.45	146.6	35.40
Floyd	22	12,099	1.50	11.04	156.2	37.79
Harlan	675	12,284	1.46	10.04	152.2	37.40
Knott	75	12,131	1.39	11.48	158.3	38.42
Knox	38	12,133	1.41	11.22	139.3	33.80
Leslie	331	12,290	1.38	10.84	165.3	40.63
Letcher	349	12,266	1.55	11.70	170.4	41.81
Owsley	76	11,819	1.15	12.84	159.6	37.72
Perry	453	12,147	1.42	10.96	156.2	37.93
Pike	141	12,351	1.55	10.74	190.5	47.06
Tennessee	851	13,004	.83	7.34	212.1	55.16
Claiborne	851	13,004	.83	7.34	212.1	55.16
Virginia	326	12,756	1.42	11.14	189.3	48.30
Lee	302	12,736	1.42	11.33	190.4	48.50
Wise	24	13,007	1.36	8.73	175.7	45.71
West Virginia	12	11,898	.73	11.60	260.8	62.06
Mingo	12	11,898	.73	11.60	260.8	62.06
Georgia Power Co Arkwright	**219**	**12,563**	**2.00**	**10.88**	**156.8**	**39.40**
Kentucky	152	12,502	2.16	11.24	157.3	39.33
Bell	2	12,468	2.43	9.85	159.0	39.65
Harlan	150	12,503	2.15	11.26	157.3	39.33
Tennessee	11	12,639	1.99	10.16	162.2	41.00
Anderson	11	12,639	1.99	10.16	162.2	41.00
Virginia	55	12,715	1.58	10.03	154.4	39.25
Wise	55	12,715	1.58	10.03	154.4	39.25
Georgia Power Co Atkinson-Mcdonoug	**1,125**	**11,844**	**2.57**	**10.04**	**165.9**	**39.31**
Illinois	179	11,441	2.60	8.85	177.5	40.62
Franklin	111	11,724	2.18	7.92	188.0	44.08
Perry	65	10,956	3.30	10.29	161.2	35.32
Saline	3	11,449	2.68	11.85	120.8	27.66
Kentucky	944	11,927	2.57	10.28	163.9	39.10
Bell	36	12,665	1.21	9.68	145.8	36.93
Harlan	1	12,946	1.06	6.84	134.6	34.85
Hopkins	712	11,760	2.93	10.28	167.2	39.33
Knott	8	12,113	1.29	11.95	171.3	41.50
Leslie	58	12,427	1.42	10.81	167.2	41.56
Perry	105	12,455	1.32	10.11	150.3	37.43
Union	25	12,157	2.63	10.18	148.3	36.06
Wyoming	2	8,788	.33	5.48	124.4	21.86
Converse	2	8,788	.33	5.48	124.4	21.86
Georgia Power Co Bowen	**7,842**	**12,210**	**1.40**	**10.85**	**168.5**	**41.15**
Kentucky	7,842	12,210	1.40	10.85	168.5	41.15
Bell	1,948	12,225	1.37	10.74	163.3	39.94
Clay	463	12,149	1.48	11.07	163.4	39.70
Harlan	53	12,808	1.25	9.04	148.3	37.99
Hopkins	268	11,774	3.03	10.17	161.7	38.08
Knott	483	12,135	1.42	11.45	171.2	41.56
Knox	76	12,090	1.45	11.31	168.0	40.61
Leslie	2,154	12,297	1.40	10.90	164.3	40.40
Perry	2,397	12,184	1.23	10.84	178.2	43.43
Georgia Power Co Hammond	**1,860**	**12,589**	**1.83**	**10.51**	**162.9**	**41.02**
Alabama	145	12,115	2.01	12.04	155.1	37.57
Fayette	72	12,105	1.96	11.96	153.1	37.06
Tuscaloosa	73	12,125	2.05	12.12	157.0	38.07
Kentucky	328	12,360	2.17	11.16	152.2	37.63
Harlan	311	12,392	2.12	11.21	147.3	36.51
Hopkins	18	11,797	3.04	10.20	243.4	57.43
Tennessee	211	12,376	1.68	10.06	152.8	37.81
Anderson	72	12,688	1.81	9.62	154.5	39.21
Campbell	59	11,794	1.67	11.12	150.4	35.48
Claiborne	74	12,503	1.58	9.69	152.8	38.21
Morgan	6	12,854	1.51	9.42	152.8	39.28

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company / Plant / Origin State / County	Quantity (thousand short tons)	Average Quality: Btu (per pound)	Average Quality: Sulfur (percent by weight)	Average Quality: Ash (percent by weight)	Average Delivered Cost: (cents per million Btu)	Average Delivered Cost: (dollars per short ton)
Georgia Power Co — Hammond						
Virginia	1,176	12,749	1.74	10.22	168.5	42.96
Lee	302	12,066	2.03	11.76	147.4	35.57
Wise	874	12,985	1.64	9.68	175.3	45.52
Georgia Power Co — Yates	**2,315**	**11,971**	**2.16**	**10.05**	**172.7**	**41.34**
Alabama	101	12,153	1.99	12.21	150.9	36.68
Fayette	24	12,157	1.96	12.19	152.6	37.10
Tuscaloosa	77	12,152	2.00	12.21	150.4	36.55
Illinois	1,057	11,380	2.64	9.04	179.8	40.93
Franklin	545	11,729	2.07	7.87	191.6	44.96
Perry	497	10,997	3.25	10.22	167.8	36.90
Saline	15	11,402	2.72	12.09	120.8	27.55
Kentucky	304	12,107	2.40	10.42	153.5	37.16
Bell	18	11,929	1.56	13.45	147.8	35.27
Harlan	107	12,407	2.08	11.12	150.5	37.35
Hopkins	118	11,732	3.01	10.13	157.5	36.96
Leslie	24	12,743	1.40	9.95	195.4	49.79
Perry	5	12,416	.92	10.51	164.8	40.91
Union	26	11,966	2.64	7.69	116.1	27.78
Webster	5	12,474	2.82	7.70	116.0	28.94
Tennessee	59	12,443	2.15	10.55	155.3	38.66
Anderson	19	12,450	1.96	10.55	160.9	40.06
Campbell	11	11,789	1.77	11.89	159.7	37.65
Claiborne	21	12,594	2.65	10.10	148.8	37.47
Morgan	8	12,890	1.85	9.92	153.9	39.69
Virginia	780	12,709	1.48	11.04	175.6	44.64
Lee	611	12,671	1.44	11.39	179.2	45.40
Wise	169	12,845	1.61	9.79	163.0	41.89
Wyoming	12	8,749	.38	5.53	124.9	21.86
Campbell	3	8,716	.53	5.93	126.6	22.07
Converse	9	8,759	.34	5.41	124.4	21.79
Georgia Power Co — Mitchell	**308**	**12,523**	**1.39**	**10.05**	**204.4**	**51.20**
Kentucky	308	12,523	1.39	10.05	204.4	51.20
Clay	17	12,221	1.36	11.05	225.0	54.99
Harlan	87	12,548	1.39	9.48	169.7	42.59
Knott	1	12,225	1.36	11.02	225.0	55.01
Leslie	196	12,582	1.40	10.03	217.9	54.83
Pike	7	11,374	1.31	15.04	204.2	46.46
Georgia Power Co — Scherer	**1,898**	**12,308**	**.67**	**10.49**	**218.7**	**53.84**
Montana	54	9,348	.32	4.13	181.1	33.86
Big Horn	54	9,348	.32	4.13	181.1	33.86
Virginia	501	13,304	.76	7.91	163.3	43.44
Wise	501	13,304	.76	7.91	163.3	43.44
West Virginia	1,343	12,055	.64	11.71	242.7	58.52
Mingo	1,343	12,055	.64	11.71	242.7	58.52
Georgia Power Co — Wansley	**4,687**	**11,343**	**2.51**	**9.03**	**178.1**	**40.40**
Illinois	3,951	11,359	2.60	9.09	182.7	41.52
Franklin	1,996	11,724	2.02	8.00	195.8	45.92
Perry	1,894	10,974	3.21	10.14	170.1	37.33
Saline	61	11,380	2.74	12.20	120.8	27.49
Kentucky	489	11,942	2.69	9.47	156.1	37.29
Harlan	7	12,946	1.06	6.84	134.6	34.85
Hopkins	306	11,739	3.00	10.04	162.7	38.21
Perry	29	12,416	.92	10.51	164.7	40.91
Union	87	12,049	2.65	7.76	120.2	28.98
Webster	31	12,474	2.82	7.70	116.0	28.94
Wolfe	28	12,483	1.55	10.09	235.9	58.90
Virginia	72	12,674	1.19	10.74	156.0	39.55
Lee	9	12,630	1.37	11.54	179.0	45.22
Wise	63	12,680	1.17	10.63	152.9	38.78
Wyoming	174	8,735	.38	5.65	138.3	24.16
Campbell	32	8,716	.53	5.93	126.6	22.07
Converse	142	8,739	.35	5.59	140.9	24.63
Grand Haven City of — J B Simms	**187**	**11,068**	**2.48**	**10.00**	**152.1**	**33.67**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Grand Haven City of J B Simms						
Indiana	149	10,955	2.53	10.06	155.1	33.98
Greene	149	10,955	2.53	10.06	155.1	33.98
Ohio	38	11,507	2.26	9.75	141.0	32.45
Perry	38	11,507	2.26	9.75	141.0	32.45
Grand Island City of Platte	**304**	**8,430**	**.35**	**5.19**	**67.6**	**11.40**
Wyoming	304	8,430	.35	5.19	67.6	11.40
Campbell	304	8,430	.35	5.19	67.6	11.40
Grand River Dam Authority GRDA 1	**3,870**	**8,487**	**.46**	**5.14**	**96.5**	**16.39**
Oklahoma	117	12,863	3.74	9.64	103.0	26.51
Craig	32	12,825	3.29	10.95	103.5	26.56
Haskell	8	12,906	3.18	11.95	107.0	27.63
Nowata	39	13,031	4.21	8.72	100.9	26.31
Rogers	37	12,709	3.74	9.00	104.0	26.44
Wyoming	3,753	8,351	.36	5.00	96.2	16.07
Campbell	3,753	8,351	.36	5.00	96.2	16.07
Gulf Power Co Crist	**1,808**	**12,087**	**2.80**	**9.02**	**181.5**	**43.89**
Alabama	13	11,802	3.01	13.94	114.3	26.98
Walker	13	11,802	3.01	13.94	114.3	26.98
Illinois	1,274	12,021	2.73	9.29	203.3	48.89
Gallatin	1,003	11,982	2.74	9.68	203.9	48.86
Randolph	271	12,163	2.69	7.86	201.3	48.98
Kentucky	476	12,160	2.98	8.40	125.9	30.62
Hopkins	220	11,989	2.98	7.98	119.7	28.71
Union	138	12,477	3.01	9.39	125.2	31.24
Webster	118	12,109	2.96	8.04	138.1	33.44
West Virginia	45	13,298	2.59	6.24	179.3	47.69
Monongalia	45	13,298	2.59	6.24	179.3	47.69
Gulf Power Co Smith	**597**	**12,079**	**2.76**	**9.12**	**192.1**	**46.40**
Illinois	496	12,005	2.71	9.04	205.3	49.29
Gallatin	356	11,979	2.71	9.47	206.2	49.40
Randolph	140	12,073	2.69	7.94	203.0	49.02
Kentucky	100	12,445	3.03	9.52	128.9	32.07
Union	96	12,464	3.03	9.59	128.3	31.98
Webster	5	12,058	2.94	8.10	140.7	33.93
Gulf Power Co Scholtz	**341**	**12,428**	**2.79**	**8.45**	**146.6**	**36.44**
Kentucky	341	12,428	2.79	8.45	146.6	36.44
Hopkins	56	12,150	2.92	7.58	152.2	36.98
Union	16	12,437	3.01	9.75	146.4	36.41
Webster	268	12,485	2.75	8.55	145.5	36.33
Gulf States Utilities Co Nelson	**1,951**	**8,723**	**.50**	**5.91**	**193.7**	**33.80**
Wyoming	1,951	8,723	.50	5.91	193.7	33.80
Campbell	1,951	8,723	.50	5.91	193.7	33.80
Hamilton City of Hamilton	**118**	**12,361**	**.67**	**9.47**	**140.2**	**34.65**
Kentucky	11	12,265	.68	8.36	136.0	33.37
Martin	11	12,265	.68	8.36	136.0	33.37
West Virginia	107	12,372	.67	9.59	140.6	34.79
Fayette	107	12,372	.67	9.59	140.6	34.79
Hastings City of Hastings	**231**	**8,779**	**.22**	**4.50**	**85.8**	**15.06**
Wyoming	231	8,779	.22	4.50	85.8	15.06
Campbell	231	8,779	.22	4.50	85.8	15.06
Holland City of James De Young	**163**	**13,270**	**.85**	**6.32**	**169.0**	**44.85**
Kentucky	163	13,270	.85	6.32	169.0	44.85
Magoffin	163	13,270	.85	6.32	169.0	44.85
Holyoke Water Power Co Mount Tom	**418**	**13,049**	**1.28**	**6.56**	**172.4**	**44.99**
Pennsylvania	418	13,049	1.28	6.56	172.4	44.99
Clearfield	39	13,142	1.04	7.98	189.6	49.84
Greene	364	13,041	1.29	6.43	169.8	44.29
Washington	14	13,001	1.70	6.10	189.8	49.36

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Hoosier Energy R E C Inc Merom	**2,548**	**10,960**	**3.54**	**11.87**	**101.1**	**22.16**
Indiana	2,548	10,960	3.54	11.87	101.1	22.16
Clay	918	10,993	3.86	11.23	137.3	30.18
Daviess	152	10,893	3.04	11.21	81.3	17.71
Greene	440	10,962	2.91	11.62	76.3	16.72
Knox	195	10,846	3.45	12.30	81.1	17.60
Pike	657	10,996	3.94	13.10	81.9	18.02
Sullivan	81	10,784	2.44	11.05	82.6	17.81
Vigo	103	10,873	2.59	11.50	87.8	19.09
Warrick	2	10,962	2.46	9.60	79.6	17.45
Hoosier Energy R E C Inc Frank E Ratts	**680**	**11,075**	**2.92**	**10.19**	**139.7**	**30.94**
Indiana	680	11,075	2.92	10.19	139.7	30.94
Pike	680	11,075	2.92	10.19	139.7	30.94
Houston Lighting & Power Co Limestone	**8,105**	**6,364**	**1.05**	**17.97**	**143.0**	**18.20**
Texas	8,105	6,364	1.05	17.97	143.0	18.20
Freestone	8,105	6,364	1.05	17.97	143.0	18.20
Houston Lighting & Power Co Parish	**9,329**	**8,431**	**.41**	**5.75**	**235.4**	**39.69**
Wyoming	9,329	8,431	.41	5.75	235.4	39.69
Campbell	9,329	8,431	.41	5.75	235.4	39.69
Illinois Power Co Baldwin	**4,082**	**10,931**	**2.90**	**10.15**	**147.7**	**32.28**
Illinois	4,082	10,931	2.90	10.15	147.7	32.28
Perry	1,717	11,018	3.00	10.01	150.5	33.16
Randolph	1,518	10,868	2.83	10.26	145.6	31.65
Washington	847	10,868	2.82	10.25	145.6	31.65
Illinois Power Co Hennepin	**584**	**10,793**	**2.84**	**10.43**	**143.2**	**30.91**
Illinois	584	10,793	2.84	10.43	143.2	30.91
Randolph	376	10,794	2.84	10.43	143.0	30.87
Washington	208	10,793	2.83	10.43	143.5	30.98
Illinois Power Co Havana	**521**	**12,754**	**.68**	**7.84**	**144.2**	**36.77**
Kentucky	453	12,819	.70	7.64	144.5	37.04
Letcher	396	12,923	.71	7.10	146.7	37.93
Pike	57	12,091	.63	11.36	127.8	30.91
West Virginia	57	12,706	.60	8.96	135.9	34.53
Kanawha	57	12,706	.60	8.96	135.9	34.53
Wyoming	11	10,226	.47	10.60	182.6	37.35
Carbon	11	10,226	.47	10.60	182.6	37.35
Illinois Power Co Wood River	**628**	**12,051**	**.90**	**5.53**	**163.0**	**39.28**
Illinois	512	12,180	.96	4.97	163.0	39.71
Jefferson	512	12,180	.96	4.97	163.0	39.71
Kentucky	59	12,420	.91	8.43	159.6	39.65
Breathitt	6	12,478	.94	7.50	167.2	41.73
Harlan	7	12,881	1.02	8.40	167.2	43.07
Hopkins	7	12,631	1.10	7.60	167.2	42.24
Letcher	39	12,290	.85	8.73	155.6	38.25
West Virginia	7	12,392	.66	6.70	167.2	41.44
Webster	7	12,392	.66	6.70	167.2	41.44
Wyoming	50	10,248	.36	7.70	167.0	34.23
Carbon	50	10,248	.36	7.70	167.0	34.23
Illinois Power Co Vermilion	**424**	**10,723**	**2.25**	**11.24**	**119.0**	**25.53**
Illinois	173	10,682	2.30	12.02	120.4	25.73
Douglas	173	10,682	2.30	12.02	120.4	25.73
Indiana	251	10,751	2.22	10.70	118.1	25.39
Greene	70	10,635	1.82	10.79	118.2	25.14
Owen	182	10,796	2.38	10.67	118.0	25.48
Independence City of Blue Valley	**17**	**12,356**	**3.46**	**11.35**	**159.9**	**39.51**
Kansas	17	12,356	3.46	11.35	159.9	39.51
Crawford	17	12,356	3.46	11.35	159.9	39.51
Indiana Michigan Power Co Breed	**755**	**10,888**	**3.87**	**11.27**	**143.1**	**31.16**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Indiana Michigan Power Co Breed						
Indiana	755	10,888	3.87	11.27	143.1	31.16
Clay	378	10,888	3.87	11.27	143.1	31.16
Vigo	378	10,888	3.87	11.27	143.1	31.16
Indiana Michigan Power Co Tanners Creek	**1,761**	**11,699**	**1.80**	**9.05**	**173.9**	**40.69**
Illinois	110	10,940	2.67	9.37	128.1	28.02
Wabash	110	10,940	2.67	9.37	128.1	28.02
Indiana	740	10,959	2.74	9.23	129.0	28.28
Warrick	720	10,960	2.74	9.23	129.0	28.27
Unknown	20	10,911	2.57	9.16	130.7	28.52
Kentucky	759	12,481	1.00	8.42	208.9	52.15
Floyd	43	11,971	.65	11.17	221.8	53.10
Hopkins	55	11,507	2.91	10.16	118.4	27.24
Johnson	10	11,923	.71	10.54	221.8	52.89
Martin	3	12,132	.71	11.20	221.8	53.82
Muhlenberg	21	11,615	2.83	9.12	118.5	27.53
Ohio	2	11,613	2.83	9.13	118.5	27.52
Perry	10	11,931	.67	11.30	221.8	52.93
Pike	42	12,074	.66	11.50	221.8	53.56
Webster	22	12,399	2.80	8.56	122.4	30.35
Unknown	549	12,714	.72	7.65	221.8	56.39
West Virginia	152	11,944	.67	11.13	221.8	52.98
Logan	17	12,052	.67	11.65	221.7	53.45
Mingo	60	11,935	.67	10.41	221.8	52.94
Wayne	74	11,927	.67	11.58	221.8	52.91
Indiana Michigan Power Co Rockport	**5,402**	**8,426**	**.36**	**5.12**	**133.1**	**22.43**
Wyoming	5,402	8,426	.36	5.12	133.1	22.43
Campbell	5,402	8,426	.36	5.12	133.1	22.43
Indiana-Kentucky Electric Corp Clifty Creek	**3,833**	**11,521**	**3.43**	**11.01**	**100.8**	**23.22**
Indiana	658	10,966	3.43	10.07	88.8	19.47
Spencer	223	11,081	3.49	9.86	88.9	19.71
Warrick	435	10,908	3.40	10.17	88.7	19.34
Kentucky	3,175	11,635	3.43	11.20	103.1	24.00
Henderson	118	11,052	2.71	9.58	91.2	20.16
Hopkins	2,246	11,655	3.52	11.36	107.3	25.00
Mclean	355	11,805	3.04	11.14	93.8	22.13
Ohio	168	11,415	3.27	9.96	94.7	21.62
Webster	288	11,643	3.56	11.43	92.2	21.48
Indianapolis Power & Light Co Stout	**1,033**	**11,169**	**1.82**	**8.38**	**131.7**	**29.41**
Indiana	1,033	11,169	1.82	8.38	131.7	29.41
Clay	17	11,508	2.51	6.20	118.9	27.37
Greene	535	11,395	1.65	7.57	118.4	26.99
Sullivan	451	10,888	1.96	9.44	149.6	32.57
Warrick	30	11,181	2.45	8.03	118.4	26.48
Indianapolis Power & Light Co Petersburg	**4,113**	**11,192**	**2.33**	**7.97**	**101.0**	**22.62**
Indiana	4,113	11,192	2.33	7.97	101.0	22.62
Daviess	620	11,608	2.23	7.47	107.7	25.01
Greene	259	11,308	1.30	7.14	110.9	25.07
Knox	56	11,103	1.08	8.19	113.7	25.25
Pike	370	11,181	1.99	8.35	83.1	18.57
Vigo	74	11,091	2.18	8.01	80.7	17.90
Warrick	2,734	11,093	2.52	8.11	101.3	22.46
Indianapolis Power & Light Co Pritchard	**279**	**11,319**	**1.98**	**7.38**	**121.5**	**27.50**
Indiana	279	11,319	1.98	7.38	121.5	27.50
Clay	27	11,623	2.89	6.18	119.1	27.69
Greene	92	11,409	1.09	6.87	121.2	27.65
Warrick	160	11,216	2.34	7.88	122.1	27.38
Interstate Power Co Fox Lake	**68**	**11,458**	**1.88**	**8.35**	**138.1**	**31.65**
Indiana	68	11,458	1.88	8.35	138.1	31.65
Daviess	68	11,458	1.88	8.35	138.1	31.65
Interstate Power Co Dubuque	**139**	**10,965**	**2.95**	**10.20**	**100.1**	**21.96**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Interstate Power Co Dubuque						
Illinois	139	10,965	2.95	10.20	100.1	21.96
Randolph	139	10,965	2.95	10.20	100.1	21.96
Interstate Power Co Lansing	**782**	**8,576**	**.46**	**4.96**	**210.3**	**36.07**
Kentucky	49	11,210	2.53	10.30	105.6	23.67
Daviess	49	11,210	2.53	10.30	105.6	23.67
Wyoming	732	8,398	.32	4.60	219.7	36.90
Campbell	732	8,398	.32	4.60	219.7	36.90
Interstate Power Co Kapp	**466**	**11,090**	**2.91**	**9.51**	**143.2**	**31.76**
Illinois	463	11,088	2.92	9.52	143.3	31.78
Randolph	463	11,088	2.92	9.52	143.3	31.78
Indiana	3	11,370	1.63	7.20	126.6	28.79
Gibson	3	11,370	1.63	7.20	126.6	28.79
Iowa Electric Light & Power Prairie Creek 1-4	**268**	**11,030**	**2.52**	**9.71**	**141.4**	**31.18**
Illinois	19	11,623	2.63	11.85	166.5	38.70
Saline	19	11,623	2.63	11.85	166.5	38.70
Indiana	210	11,121	2.28	9.43	136.7	30.42
Daviess	121	11,203	2.33	10.14	132.1	29.59
Gibson	89	11,010	2.22	8.47	143.2	31.53
Iowa	39	10,252	3.72	10.18	154.4	31.65
Marion	39	10,252	3.72	10.18	154.4	31.65
Iowa Electric Light & Power 6th St	**58**	**11,106**	**2.27**	**9.06**	**145.6**	**32.33**
Illinois	7	11,623	2.63	11.85	146.4	34.03
Saline	7	11,623	2.63	11.85	146.4	34.03
Indiana	51	11,035	2.23	8.67	145.5	32.10
Daviess	7	11,243	2.28	9.83	134.5	30.25
Gibson	44	11,001	2.22	8.49	147.2	32.40
Iowa Electric Light & Power Sutherland	**161**	**11,002**	**2.30**	**8.74**	**157.2**	**34.58**
Illinois	10	11,623	2.63	11.85	161.7	37.60
Saline	10	11,623	2.63	11.85	161.7	37.60
Indiana	144	11,008	2.22	8.46	157.4	34.65
Gibson	144	11,008	2.22	8.46	157.4	34.65
Iowa	7	9,993	3.34	10.12	144.8	28.93
Marion	7	9,993	3.34	10.12	144.8	28.93
Iowa Power & Light Co Council Bluffs	**2,124**	**8,343**	**.32**	**4.56**	**109.3**	**18.24**
Wyoming	2,124	8,343	.32	4.56	109.3	18.24
Campbell	2,121	8,342	.32	4.56	109.4	18.25
Converse	3	8,794	.26	5.91	88.1	15.50
Iowa Public Service Co George Neal 1/4	**4,021**	**8,635**	**.41**	**5.78**	**105.1**	**18.15**
Wyoming	4,021	8,635	.41	5.78	105.1	18.15
Campbell	3,587	8,418	.40	5.49	96.9	16.32
Carbon	434	10,429	.49	8.15	159.7	33.30
Iowa Southern Utilities Co Ottumwa	**2,309**	**8,375**	**.33**	**5.28**	**112.7**	**18.87**
Wyoming	2,309	8,375	.33	5.28	112.7	18.87
Campbell	2,309	8,375	.33	5.28	112.7	18.87
Iowa Southern Utilities Co Burlington	**513**	**10,964**	**2.71**	**9.69**	**110.8**	**24.30**
Illinois	216	10,884	2.89	10.13	102.7	22.35
St Clair	216	10,884	2.89	10.13	102.7	22.35
Indiana	281	10,972	2.55	9.46	112.1	24.59
Warrick	281	10,972	2.55	9.46	112.1	24.59
Kentucky	17	11,885	3.08	7.82	188.0	44.69
Hopkins	17	11,885	3.08	7.82	188.0	44.69
Iowa-Illinois Gas&Electric Co Riverside	**204**	**11,876**	**1.99**	**8.69**	**113.2**	**26.90**
Illinois	204	11,876	1.99	8.69	113.2	26.90
Franklin	204	11,876	1.99	8.69	113.2	26.90
Iowa-Illinois Gas&Electric Co Louisa	**2,390**	**8,364**	**.33**	**5.28**	**114.0**	**19.07**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Iowa-Illinois Gas&Electric Co Louisa						
Wyoming	2,390	8,364	0.33	5.28	114.0	19.07
Campbell	2,390	8,364	.33	5.28	114.0	19.07
Jacksonville Electric Auth St. Johns River	**2,949**	**12,332**	**1.18**	**9.67**	**173.8**	**42.87**
Kentucky	1,500	12,590	1.54	9.76	168.8	42.51
Bell	64	12,584	1.06	7.70	149.4	37.60
Floyd	64	11,685	.92	12.96	159.6	37.31
Harlan	883	12,891	1.02	8.44	174.0	44.87
Knott	46	12,438	.98	9.88	168.2	41.84
Perry	146	11,909	1.04	12.75	146.8	34.95
Webster	296	12,248	3.64	11.93	169.3	41.48
West Virginia	608	12,095	.93	12.84	189.4	45.82
Logan	608	12,095	.93	12.84	189.4	45.82
Imported	841	12,043	.73	7.21	171.8	41.38
Imported Coal	841	12,043	.73	7.21	171.8	41.38
Jamestown City of Samuel A Carlson	**103**	**12,737**	**1.55**	**10.86**	**131.5**	**33.49**
Pennsylvania	103	12,737	1.55	10.86	131.5	33.49
Clarion	41	12,758	1.43	10.87	131.5	33.56
Jefferson	62	12,723	1.63	10.85	131.5	33.45
Kansas City City of Quindaro	**374**	**10,918**	**1.41**	**9.82**	**159.4**	**34.82**
Illinois	167	11,504	2.66	12.12	199.9	46.01
Williamson	167	11,504	2.66	12.12	199.9	46.01
Wyoming	207	10,444	.40	7.96	123.4	25.77
Carbon	207	10,444	.40	7.96	123.4	25.77
Kansas City City of Kaw	**37**	**11,250**	**2.17**	**11.45**	**180.9**	**40.69**
Illinois	27	11,555	2.79	13.03	199.1	46.00
Williamson	27	11,555	2.79	13.03	199.1	46.00
Wyoming	10	10,388	.41	6.97	123.7	25.70
Carbon	10	10,388	.41	6.97	123.7	25.70
Kansas City City of Nearman	**904**	**8,290**	**.36**	**4.98**	**100.2**	**16.61**
Wyoming	904	8,290	.36	4.98	100.2	16.61
Campbell	904	8,290	.36	4.98	100.2	16.61
Kansas City Power & Light Co Hawthorne	**1,311**	**8,811**	**.25**	**4.81**	**92.7**	**16.33**
Wyoming	1,311	8,811	.25	4.81	92.7	16.33
Campbell	1,311	8,811	.25	4.81	92.7	16.33
Kansas City Power & Light Co Iatan	**2,676**	**8,761**	**.36**	**5.22**	**81.4**	**14.27**
Wyoming	2,676	8,761	.36	5.22	81.4	14.27
Campbell	2,676	8,761	.36	5.22	81.4	14.27
Kansas City Power & Light Co La Cygne	**2,891**	**9,231**	**1.57**	**8.71**	**117.1**	**21.63**
Illinois	450	11,056	3.05	10.31	123.0	27.19
Franklin	33	11,665	2.02	8.07	134.1	31.29
Perry	378	10,951	3.19	10.31	120.8	26.46
Saline	39	11,571	2.65	12.20	133.4	30.88
Kansas	564	10,155	4.56	20.39	134.8	27.39
Crawford	149	12,080	3.44	12.31	119.1	28.77
Linn	415	9,464	4.96	23.28	142.1	26.89
Wyoming	1,877	8,515	.32	4.81	109.0	18.56
Campbell	1,877	8,515	.32	4.81	109.0	18.56
Kansas City Power & Light Co Montrose	**1,087**	**8,703**	**.36**	**5.18**	**103.7**	**18.04**
Wyoming	1,087	8,703	.36	5.18	103.7	18.04
Campbell	1,087	8,703	.36	5.18	103.7	18.04
Kansas Power & Light Co Lawrence	**1,031**	**10,487**	**.52**	**7.90**	**129.3**	**27.12**
Wyoming	1,031	10,487	.52	7.90	129.3	27.12
Carbon	1,031	10,487	.52	7.90	129.3	27.12
Kansas Power & Light Co Jeffrey Energy	**7,513**	**8,399**	**.33**	**4.59**	**130.6**	**21.95**
Wyoming	7,513	8,399	.33	4.59	130.6	21.95
Campbell	7,513	8,399	.33	4.59	130.6	21.95
Kansas Power & Light Co Tecumseh	**528**	**10,379**	**.51**	**7.71**	**129.0**	**26.79**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Kansas Power & Light Co Tecumseh						
Wyoming	528	10,379	0.51	7.71	129.0	26.79
Carbon	528	10,379	.51	7.71	129.0	26.79
Kentucky Power Co Big Sandy	**2,636**	**11,906**	**1.20**	**12.04**	**118.2**	**28.14**
Kentucky	2,636	11,906	1.20	12.04	118.2	28.14
Floyd	813	11,838	1.26	12.62	123.5	29.24
Johnson	547	11,769	1.40	12.42	132.2	31.11
Letcher	229	12,212	1.16	11.88	99.1	24.19
Magoffin	32	11,946	1.13	12.11	103.6	24.76
Martin	928	11,964	1.04	11.41	111.8	26.75
Perry	25	12,136	1.88	10.77	99.0	24.03
Pike	61	11,915	1.20	11.54	110.8	26.41
Kentucky Utilities Co Green River	**451**	**11,813**	**2.28**	**8.08**	**101.7**	**24.03**
Kentucky	451	11,813	2.28	8.08	101.7	24.03
Butler	8	11,374	2.47	9.62	107.5	24.44
Hopkins	8	11,848	2.14	9.88	114.1	27.04
Muhlenberg	37	12,081	2.37	6.38	103.1	24.90
Ohio	398	11,796	2.27	8.17	101.2	23.88
Kentucky Utilities Co Brown	**1,313**	**12,060**	**2.14**	**11.25**	**105.3**	**25.41**
Indiana	159	11,376	1.71	7.34	104.9	23.86
Pike	159	11,376	1.71	7.34	104.9	23.86
Kentucky	633	11,917	1.84	11.98	105.5	25.15
Breathitt	19	10,975	1.28	13.90	92.2	20.24
Laurel	3	11,480	1.88	11.92	97.6	22.42
Lee	45	11,371	1.50	11.51	102.0	23.19
Letcher	8	11,527	2.32	12.26	99.8	23.00
Owsley	80	11,598	2.64	12.22	100.7	23.35
Perry	349	12,032	1.24	11.92	107.2	25.80
Whitley	129	12,170	3.12	11.87	107.3	26.13
Tennessee	520	12,443	2.64	11.56	105.3	26.20
Anderson	520	12,443	2.64	11.56	105.3	26.20
Kentucky Utilities Co Ghent	**3,284**	**12,005**	**1.55**	**9.20**	**123.5**	**29.64**
Indiana	576	11,267	2.62	9.06	92.5	20.84
Daviess	163	11,152	2.37	9.04	90.3	20.15
Dubois	181	11,386	2.74	9.35	91.4	20.82
Warrick	232	11,255	2.69	8.84	94.9	21.35
Kentucky	2,241	12,206	1.47	8.78	132.9	32.44
Boyd	5	12,061	.67	11.20	112.8	27.21
Breathitt	46	11,915	.66	12.35	111.3	26.52
Daviess	42	11,399	2.13	10.65	95.6	21.79
Floyd	67	12,254	.62	10.42	112.4	27.55
Henderson	561	11,167	2.63	9.36	89.9	20.07
Johnson	5	11,935	.60	12.40	111.0	26.49
Lawrence	38	12,011	.61	8.96	117.0	28.10
Letcher	722	13,197	.74	7.09	187.0	49.35
Martin	189	12,411	.60	8.93	110.6	27.44
Muhlenberg	95	11,673	3.05	9.78	94.2	21.99
Ohio	103	11,298	2.91	9.98	92.7	20.94
Perry	187	12,327	.66	10.46	137.4	33.88
Pike	99	12,345	.61	9.61	108.4	26.77
Union	82	12,077	2.61	7.26	104.1	25.14
West Virginia	446	12,128	.63	11.63	112.9	27.38
Boone	9	13,136	.69	8.80	104.5	27.46
Kanawha	55	12,826	.57	8.99	134.2	34.43
Logan	57	12,160	.64	12.20	114.0	27.73
Mingo	324	11,976	.63	12.06	109.1	26.12
Wyoming	22	8,397	.31	5.40	124.2	20.86
Campbell	22	8,397	.31	5.40	124.2	20.86
Kentucky Utilities Co Tyrone	**56**	**12,000**	**.88**	**10.98**	**119.9**	**28.78**
Kentucky	56	12,000	.88	10.98	119.9	28.78
Ohio	22	11,974	.80	11.02	121.3	29.05
Perry	34	12,016	.93	10.95	119.0	28.60
Lakeland City of Plant 3-Mcintosh	**724**	**12,299**	**1.29**	**11.01**	**211.7**	**52.06**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Lakeland City of Plant 3-McIntosh						
Kentucky	724	12,299	1.29	11.01	211.7	52.06
Leslie	724	12,299	1.29	11.01	211.7	52.06
Lansing City of Eckert	**706**	**13,038**	**.86**	**7.64**	**185.3**	**48.32**
Kentucky	633	13,078	.87	7.40	186.4	48.75
Floyd	504	13,109	.88	7.22	188.9	49.54
Harlan	3	12,408	.62	9.30	185.1	45.93
Pike	126	12,969	.84	8.05	176.0	45.64
West Virginia	73	12,691	.79	9.75	175.8	44.61
Boone	55	12,637	.80	9.85	179.1	45.26
Logan	18	12,859	.78	9.45	165.5	42.57
Lansing City of Erickson	**455**	**13,002**	**.85**	**7.77**	**182.1**	**47.35**
Kentucky	347	13,061	.87	7.29	184.0	48.07
Floyd	232	13,073	.87	7.05	189.5	49.54
Harlan	9	13,253	1.02	6.40	173.3	45.93
Pike	106	13,021	.85	7.92	172.9	45.02
West Virginia	108	12,810	.79	9.28	175.8	45.04
Boone	79	12,734	.80	9.80	180.4	45.93
Logan	29	13,014	.77	7.89	163.9	42.65
Lansing City of Ottawa	**5**	**13,283**	**.88**	**4.59**	**211.5**	**56.19**
Kentucky	5	13,283	.88	4.59	211.5	56.19
Knox	2	13,199	.78	4.40	213.1	56.25
Whitley	3	13,325	.94	4.68	210.7	56.16
Los Angeles City of Intermountain	**4,660**	**11,799**	**.53**	**8.08**	**145.4**	**34.31**
Utah	4,660	11,799	.53	8.08	145.4	34.31
Carbon	3,798	11,712	.52	7.98	152.3	35.68
Emery	862	12,183	.55	8.49	116.0	28.25
Louisville Gas & Electric Co Cane Run	**1,016**	**11,489**	**2.98**	**10.19**	**115.8**	**26.60**
Indiana	101	11,284	2.74	8.14	106.4	24.02
Daviess	18	11,112	2.52	8.56	100.3	22.29
Gibson	3	10,809	2.17	8.30	105.4	22.79
Pike	77	11,391	2.84	7.81	108.3	24.68
Spencer	3	9,952	2.06	14.40	92.3	18.37
Kentucky	915	11,511	3.00	10.41	116.8	26.89
Daviess	35	11,138	2.53	8.43	100.4	22.37
Henderson	23	11,510	2.08	9.61	119.1	27.43
Hopkins	368	11,782	3.11	10.01	107.3	25.28
Muhlenberg	489	11,335	3.00	10.89	125.3	28.40
Louisville Gas & Electric Co Mill Creek	**3,358**	**11,473**	**3.00**	**10.33**	**113.7**	**26.09**
Illinois	9	11,200	1.93	8.60	115.7	25.92
Williamson	9	11,200	1.93	8.60	115.7	25.92
Indiana	99	10,880	2.48	9.34	91.7	19.95
Daviess	60	11,119	2.51	8.68	92.1	20.48
Gibson	23	10,719	2.35	8.63	95.7	20.51
Spencer	13	10,032	2.35	13.96	83.8	16.82
Warrick	3	11,095	3.40	7.40	85.4	18.95
Kentucky	3,250	11,492	3.02	10.36	114.3	26.28
Daviess	116	11,152	2.51	8.52	92.3	20.58
Harlan	2	11,315	2.23	8.30	125.3	28.36
Henderson	114	11,278	2.79	10.23	104.0	23.45
Hopkins	1,390	11,709	3.10	10.03	112.6	26.36
Muhlenberg	1,624	11,344	3.00	10.80	118.2	26.82
Union	3	11,844	2.64	5.80	106.5	25.23
Lower Colorado River Authority S Seymour-Fayette	**5,998**	**8,644**	**.37**	**5.23**	**129.3**	**22.36**
Texas	226	6,694	1.30	11.19	160.9	21.55
Bastrop	226	6,694	1.30	11.19	160.9	21.55
Wyoming	5,772	8,720	.33	4.99	128.4	22.39
Campbell	5,620	8,726	.33	4.99	128.9	22.50
Converse	152	8,493	.32	4.90	108.4	18.41
Madison Gas & Electric Co Blount	**122**	**12,176**	**1.96**	**7.63**	**163.8**	**39.88**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Madison Gas & Electric Co Blount						
Illinois	110	12,091	2.09	7.64	160.9	38.90
Saline	110	12,091	2.09	7.64	160.9	38.90
Kentucky	3	13,477	.78	5.87	213.4	57.52
Letcher	3	13,477	.78	5.87	213.4	57.52
West Virginia	9	12,787	.74	8.12	179.5	45.91
Mingo	3	12,678	.65	7.60	177.2	44.93
Raleigh	6	12,842	.79	8.38	180.6	46.40
Manitowoc City of Manitowoc	**114**	**13,129**	**.85**	**7.32**	**178.0**	**46.73**
Kentucky	114	13,128	.84	7.33	178.0	46.73
Floyd	*	12,914	.70	6.91	177.7	45.90
Knott	9	13,075	.94	7.14	171.0	44.71
Martin	13	13,600	.94	5.89	171.6	46.66
Perry	91	13,068	.82	7.55	179.7	46.96
West Virginia	*	13,590	1.46	6.02	172.6	46.92
Monongalia	*	13,590	1.46	6.02	172.6	46.92
Marquette City of Shiras	**143**	**8,848**	**.52**	**6.20**	**189.4**	**33.51**
Montana	143	8,848	.52	6.20	189.4	33.51
Big Horn	107	8,848	.52	6.20	189.4	33.51
Rosebud	36	8,848	.52	6.19	189.4	33.51
Metropolitan Edison Co Portland	**580**	**13,188**	**1.86**	**7.91**	**163.2**	**43.06**
Pennsylvania	394	13,188	1.98	8.06	165.0	43.52
Armstrong	41	12,818	1.90	10.01	166.9	42.79
Clarion	26	12,989	2.17	8.03	166.0	43.13
Clearfield	3	12,969	1.62	9.69	192.5	49.92
Greene	195	13,393	2.11	6.71	167.1	44.75
Jefferson	129	13,043	1.77	9.44	160.2	41.80
West Virginia	186	13,186	1.61	7.59	159.6	42.08
Barbour	126	13,207	1.52	7.22	157.5	41.61
Monongalia	28	13,439	2.25	6.51	157.4	42.29
Preston	29	12,881	1.42	9.97	169.7	43.71
Randolph	3	12,861	1.11	10.36	171.9	44.22
Metropolitan Edison Co Titus	**507**	**13,234**	**1.40**	**7.27**	**172.1**	**45.54**
Pennsylvania	443	13,293	1.44	6.85	172.8	45.94
Armstrong	22	12,828	1.51	9.68	155.9	39.99
Clarion	1	12,937	1.25	10.50	154.0	39.85
Clearfield	7	12,820	1.57	10.33	168.5	43.20
Greene	357	13,353	1.43	6.38	176.3	47.09
Jefferson	35	13,185	1.45	9.11	157.1	41.44
Washington	22	13,119	1.35	6.70	157.6	41.35
West Virginia	63	12,821	1.18	10.25	166.8	42.76
Preston	21	12,890	1.35	9.57	161.9	41.75
Randolph	42	12,786	1.09	10.60	169.3	43.29
Michigan South Central Pwr Agy Project 1	**130**	**11,825**	**3.24**	**9.88**	**199.4**	**47.17**
Ohio	130	11,825	3.24	9.88	199.4	47.17
Coshocton	50	11,644	3.48	10.51	173.1	40.32
Holmes	80	11,938	3.09	9.49	215.4	51.44
Minnesota Power & Light Co Aurora-Syl Laskin	**108**	**8,769**	**.82**	**9.20**	**179.7**	**31.52**
Kentucky	1	12,754	.75	7.00	198.4	50.61
Harlan	1	12,754	.75	7.00	198.4	50.61
Montana	107	8,721	.82	9.23	179.4	31.29
Rosebud	107	8,721	.82	9.23	179.4	31.29
Minnesota Power & Light Co Boswell	**3,842**	**8,681**	**.72**	**9.14**	**134.1**	**23.29**
Montana	3,842	8,681	.72	9.14	134.1	23.29
Rosebud	3,842	8,681	.72	9.14	134.1	23.29
Minnkota Power Coop Inc Young	**3,767**	**6,746**	**.75**	**7.43**	**48.6**	**6.56**
North Dakota	3,767	6,746	.75	7.43	48.6	6.56
Oliver	3,767	6,746	.75	7.43	48.6	6.56
Mississippi Power Co Daniel	**1,105**	**13,031**	**.71**	**6.72**	**179.5**	**46.78**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Mississippi Power Co Daniel						
Kentucky	1,105	13,031	0.71	6.72	179.5	46.78
Letcher	1,105	13,031	.71	6.72	179.5	46.78
Mississippi Power Co Watson	**1,618**	**12,498**	**2.42**	**7.97**	**143.9**	**35.96**
Illinois	1,116	12,600	2.51	8.22	146.7	36.97
Gallatin	582	12,825	2.62	8.35	130.5	33.47
Saline	534	12,356	2.39	8.08	165.0	40.78
Kentucky	475	12,278	2.25	7.32	137.1	33.66
Hopkins	76	12,192	2.47	8.31	140.2	34.19
Letcher	54	13,063	.71	6.97	154.8	40.44
Pike	26	12,039	.78	9.47	141.2	33.99
Union	118	11,950	2.66	5.73	128.4	30.70
Webster	201	12,324	2.53	7.70	135.2	33.33
West Virginia	27	12,132	1.57	9.16	143.4	34.79
Kanawha	13	12,225	2.41	8.09	141.0	34.48
Wayne	14	12,042	.77	10.18	145.6	35.08
Missouri Public Service Comm Sibley	**796**	**10,958**	**3.07**	**10.16**	**156.5**	**34.31**
Illinois	778	10,976	3.13	10.20	156.7	34.41
Perry	614	10,989	3.16	10.27	162.8	35.78
Randolph	164	10,926	3.02	9.95	134.0	29.28
Wyoming	18	10,153	.39	8.20	147.7	30.00
Carbon	18	10,153	.39	8.20	147.7	30.00
Monongahela Power Co Albright	**738**	**12,356**	**1.61**	**12.83**	**106.8**	**26.40**
Maryland	154	12,532	1.59	13.40	123.9	31.04
Garrett	154	12,532	1.59	13.40	123.9	31.04
West Virginia	584	12,310	1.62	12.68	102.3	25.18
Preston	584	12,310	1.62	12.68	102.3	25.18
Monongahela Power Co Ft Martin	**2,788**	**12,466**	**1.75**	**11.33**	**142.4**	**35.50**
Kentucky	485	12,382	.87	8.80	194.7	48.23
Martin	485	12,382	.87	8.80	194.7	48.23
Maryland	278	12,634	1.53	12.56	132.9	33.58
Garrett	278	12,634	1.53	12.56	132.9	33.58
Pennsylvania	69	12,754	1.61	9.59	125.3	31.95
Fayette	37	12,319	1.65	12.18	119.1	29.36
Greene	31	13,270	1.56	6.52	132.0	35.03
West Virginia	1,956	12,452	2.00	11.85	131.5	32.74
Kanawha	18	11,959	.87	12.89	103.9	24.86
Lewis	3	12,434	3.49	11.49	93.9	23.34
Marion	2	11,945	2.82	14.10	78.7	18.80
Monongalia	1,750	12,494	2.12	11.74	130.5	32.60
Nicholas	127	12,037	.85	12.80	157.9	38.02
Preston	56	12,268	1.29	12.76	116.6	28.61
Monongahela Power Co Harrison	**4,734**	**13,100**	**3.05**	**7.93**	**130.1**	**34.09**
Ohio	108	12,233	4.47	10.34	144.7	35.39
Belmont	108	12,233	4.47	10.34	144.7	35.39
West Virginia	4,626	13,121	3.02	7.87	129.8	34.06
Barbour	8	13,033	3.08	8.76	102.0	26.58
Harrison	3,771	13,140	3.07	7.84	132.1	34.71
Lewis	169	12,922	2.95	8.60	107.9	27.90
Monongalia	646	13,068	2.72	7.80	124.1	32.43
Upshur	31	13,016	3.16	8.75	95.1	24.75
Monongahela Power Co Pleasants	**2,668**	**12,257**	**3.20**	**11.95**	**115.2**	**28.24**
Kentucky	36	11,803	3.48	14.48	130.2	30.74
Floyd	5	11,344	1.24	16.88	131.7	29.89
Webster	31	11,875	3.83	14.10	130.0	30.87
Ohio	640	12,194	4.03	11.04	99.6	24.30
Belmont	592	12,229	4.07	10.97	99.6	24.36
Harrison	31	12,013	3.47	12.37	105.4	25.32
Jackson	17	11,292	3.56	11.32	90.3	20.40
Pennsylvania	42	12,995	2.34	9.22	98.2	25.52
Greene	42	12,995	2.34	9.22	98.2	25.52

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Monongahela Power Co Pleasants						
West Virginia	1,951	12,270	2.94	12.26	120.4	29.55
Barbour	254	12,041	2.70	13.17	117.5	28.30
Boone	18	11,790	2.60	13.30	115.2	27.16
Fayette	26	12,182	2.16	13.40	101.2	24.66
Harrison	426	12,526	3.33	10.98	128.3	32.13
Lewis	20	12,191	3.63	12.27	102.2	24.91
Marion	45	12,224	3.17	12.92	103.0	25.17
Mason	17	11,483	3.52	12.62	99.4	22.82
Monongalia	1,012	12,271	2.95	12.41	118.9	29.19
Nicholas	73	12,035	1.32	12.67	143.4	34.51
Preston	7	11,870	1.95	13.10	126.2	29.96
Randolph	21	11,951	1.72	14.84	101.8	24.34
Upshur	32	12,352	4.10	11.72	108.8	26.88
Monongahela Power Co Rivesville	**296**	**12,315**	**.89**	**12.52**	**121.3**	**29.88**
West Virginia	296	12,315	.89	12.52	121.3	29.88
Barbour	32	12,816	.91	9.24	125.3	32.11
Fayette	12	12,023	1.03	12.92	107.5	25.86
Kanawha	3	12,247	.69	11.88	129.8	31.79
Marion	41	12,473	.93	11.86	125.2	31.23
Monongalia	24	12,255	1.00	12.79	134.0	32.85
Nicholas	52	12,112	.80	13.58	117.2	28.39
Preston	121	12,234	.89	13.10	118.8	29.06
Randolph	9	12,710	.79	11.92	117.6	29.90
Webster	3	12,180	.83	13.20	150.0	36.54
Monongahela Power Co Willow Island	**500**	**12,563**	**1.32**	**9.18**	**120.9**	**30.37**
Kentucky	23	12,050	1.28	10.71	118.9	28.65
Floyd	23	12,050	1.28	10.71	118.9	28.65
Pennsylvania	170	13,008	1.38	6.33	122.5	31.87
Greene	5	13,170	1.30	7.00	151.4	39.88
Washington	165	13,003	1.39	6.31	121.6	31.62
West Virginia	307	12,355	1.28	10.64	120.1	29.68
Barbour	197	12,459	1.29	10.19	123.7	30.82
Boone	87	12,096	1.33	11.99	112.2	27.14
Kanawha	16	12,649	.83	8.32	116.4	29.44
Taylor	8	11,971	1.59	12.07	123.1	29.46
Montana Power Co Colstrip	**9,364**	**8,552**	**.67**	**9.59**	**56.0**	**9.58**
Montana	9,364	8,552	.67	9.59	56.0	9.58
Rosebud	9,364	8,552	.67	9.59	56.0	9.58
Montana Power Co Corette	**625**	**8,598**	**.61**	**8.05**	**69.2**	**11.89**
Montana	625	8,598	.61	8.05	69.2	11.89
Rosebud	625	8,598	.61	8.05	69.2	11.89
Montana-Dakota Utilities Co Coyote	**1,962**	**6,832**	**.98**	**8.40**	**72.6**	**9.93**
North Dakota	1,962	6,832	.98	8.40	72.6	9.93
Mercer	435	6,846	.98	8.40	72.6	9.94
Oliver	1,528	6,828	.98	8.40	72.6	9.92
Montana-Dakota Utilities Co Heskett	**439**	**6,964**	**1.02**	**9.39**	**105.0**	**14.62**
North Dakota	439	6,964	1.02	9.39	105.0	14.62
Mercer	102	6,981	1.03	9.58	104.7	14.62
Oliver	337	6,959	1.02	9.34	105.0	14.62
Montana-Dakota Utilities Co Lewis and Clark	**235**	**6,570**	**.54**	**8.01**	**102.9**	**13.53**
Montana	235	6,570	.54	8.01	102.9	13.53
Richland	235	6,570	.54	8.01	102.9	13.53
Montaup Electric Co Somerset	**524**	**13,170**	**1.14**	**7.06**	**173.4**	**45.67**
Virginia	524	13,170	1.14	7.06	173.4	45.67
Buchanan	524	13,170	1.14	7.06	173.4	45.67
Muscatine City of Muscatine	**536**	**11,166**	**3.00**	**6.68**	**192.4**	**42.95**
Illinois	536	11,166	3.00	6.68	192.4	42.95
Perry	151	10,844	2.81	9.80	189.7	41.14
Schuyler	385	11,292	3.08	5.46	193.4	43.67

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Nebraska Public Power District Gerald Gentleman	**3,534**	**8,805**	**0.36**	**5.18**	**91.6**	**16.13**
Wyoming	3,534	8,805	.36	5.18	91.6	16.13
Campbell	3,534	8,805	.36	5.18	91.6	16.13
Nebraska Public Power District Sheldon	**642**	**8,877**	**.40**	**5.19**	**82.9**	**14.72**
Wyoming	642	8,877	.40	5.19	82.9	14.72
Campbell	614	8,786	.38	5.12	78.4	13.78
Carbon	28	10,869	.73	6.56	163.2	35.48
Nevada Power Co Gardner	**1,503**	**11,868**	**.63**	**9.38**	**193.6**	**45.96**
Utah	1,503	11,868	.63	9.38	193.6	45.96
Carbon	1,503	11,868	.63	9.38	193.6	45.96
New England Power Co Brayton	**2,591**	**13,006**	**1.26**	**8.52**	**155.4**	**40.43**
Kentucky	21	12,825	.89	9.12	137.6	35.29
Pike	21	12,825	.89	9.12	137.6	35.29
Pennsylvania	520	13,060	1.47	9.49	157.7	41.20
Armstrong	243	13,020	1.49	9.70	158.9	41.39
Greene	1	13,111	1.45	9.01	155.5	40.78
Somerset	267	13,098	1.46	9.30	156.2	40.92
Washington	9	13,002	1.33	9.15	169.6	44.10
Virginia	763	13,007	1.20	7.63	157.3	40.91
Buchanan	498	12,978	1.17	7.67	157.5	40.88
Wise	265	13,062	1.26	7.55	156.8	40.97
West Virginia	1,258	12,995	1.24	8.65	153.4	39.87
Barbour	436	13,072	1.22	7.56	153.4	40.10
Grant	158	13,065	1.44	9.34	150.9	39.43
Mcdowell	11	12,558	.59	13.46	170.9	42.93
Mingo	132	12,825	1.00	9.43	147.4	37.81
Nicholas	9	12,945	1.35	9.73	159.3	41.25
Preston	309	12,994	1.38	8.76	154.6	40.19
Randolph	170	12,903	1.06	9.61	155.4	40.10
Webster	33	12,984	1.27	8.68	160.2	41.60
Imported	28	12,617	.67	9.09	167.1	42.17
Imported Coal	28	12,617	.67	9.09	167.1	42.17
New England Power Co Salem Harbor	**855**	**12,897**	**1.16**	**8.05**	**160.6**	**41.43**
Kentucky	2	12,825	.89	9.12	137.9	35.37
Pike	2	12,825	.89	9.12	137.9	35.37
Pennsylvania	16	13,073	1.51	9.29	162.8	42.56
Armstrong	13	13,042	1.56	9.39	162.8	42.46
Somerset	3	13,237	1.23	8.74	162.7	43.07
Virginia	468	12,919	1.25	7.98	158.8	41.02
Buchanan	329	12,844	1.26	8.18	159.4	40.95
Wise	139	13,095	1.23	7.52	157.3	41.21
West Virginia	334	12,931	1.09	8.43	159.7	41.29
Barbour	119	12,984	1.19	7.85	155.6	40.40
Boone	40	12,947	.74	7.29	169.1	43.79
Mingo	52	12,949	.87	7.81	164.2	42.53
Preston	15	12,776	1.60	8.94	160.4	40.98
Randolph	86	12,931	1.09	9.82	157.5	40.72
Webster	21	12,662	1.41	9.29	162.2	41.08
Imported	35	12,201	.58	4.61	196.4	47.93
Imported Coal	35	12,201	.58	4.61	196.4	47.93
New York State Elec & Gas Corp Goudey	**419**	**12,408**	**1.81**	**12.01**	**152.0**	**37.71**
Pennsylvania	419	12,408	1.81	12.01	152.0	37.71
Centre	18	12,080	1.94	14.85	149.4	36.08
Clarion	39	12,532	1.86	11.35	145.7	36.53
Clearfield	284	12,364	1.82	12.70	151.4	37.44
Greene	35	12,994	1.55	6.33	166.4	43.25
Jefferson	36	12,228	1.80	11.89	150.0	36.68
Westmoreland	6	12,350	2.20	9.20	151.6	37.45
New York State Elec & Gas Corp Greenidge	**453**	**12,274**	**1.91**	**11.57**	**148.0**	**36.33**
Pennsylvania	453	12,274	1.91	11.57	148.0	36.33
Beaver	15	11,653	2.06	12.73	151.9	35.40
Centre	4	12,105	1.83	14.72	142.7	34.55
Clarion	183	12,336	2.10	10.68	143.3	35.35
Clearfield	181	12,156	1.80	13.02	153.2	37.24

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Greenidge						
Pennsylvania						
Fayette	8	11,311	1.76	13.70	146.0	33.03
Greene	6	12,814	1.59	6.00	168.8	43.26
Indiana	9	11,708	1.56	14.00	140.7	32.95
Jefferson	10	12,453	2.09	11.52	144.1	35.88
Somerset	6	12,392	1.75	13.98	146.3	36.25
Washington	29	13,202	1.56	6.46	144.9	38.26
Westmoreland	1	12,623	2.36	9.29	147.4	37.20
New York State Elec & Gas Corp Hickling	**332**	**11,174**	**1.11**	**18.76**	**139.1**	**31.09**
Pennsylvania	332	11,174	1.11	18.76	139.1	31.09
Armstrong	1	10,875	2.07	22.70	148.6	32.32
Cambria	15	10,026	1.20	26.03	139.3	27.93
Centre	27	10,728	1.01	15.94	134.4	28.84
Clearfield	75	11,676	1.49	13.48	140.3	32.75
Clinton	46	10,829	.67	20.44	143.8	31.15
Jefferson	3	9,185	1.82	34.70	118.1	21.69
Lycoming	82	11,362	.78	20.09	137.3	31.20
Somerset	16	10,278	1.37	19.96	144.7	29.75
Tioga	66	11,364	1.30	20.45	137.9	31.34
New York State Elec & Gas Corp Jennison	**266**	**10,818**	**1.03**	**21.62**	**164.4**	**35.56**
Pennsylvania	266	10,818	1.03	21.62	164.4	35.56
Centre	28	10,871	1.14	15.53	164.0	35.67
Clinton	14	10,587	.68	19.55	174.8	37.02
Lycoming	136	10,728	.91	22.86	164.8	35.36
Tioga	87	10,979	1.22	22.02	162.2	35.61
New York State Elec & Gas Corp Milliken	**804**	**12,256**	**1.69**	**12.32**	**157.7**	**38.65**
Pennsylvania	801	12,253	1.69	12.33	157.7	38.65
Armstrong	8	12,696	1.87	10.60	149.7	38.01
Clarion	15	12,406	2.39	7.60	149.5	37.09
Clearfield	434	12,191	1.64	12.51	162.5	39.63
Fayette	74	11,850	2.01	14.20	151.2	35.84
Greene	19	13,176	1.45	6.45	164.6	43.38
Indiana	41	11,846	1.83	14.37	150.3	35.61
Jefferson	64	12,540	1.58	11.15	152.2	38.17
Somerset	83	12,512	1.46	12.98	149.2	37.34
Westmoreland	62	12,424	1.81	11.09	154.7	38.43
West Virginia	3	12,820	1.95	8.90	152.8	39.18
Upshur	3	12,820	1.95	8.90	152.8	39.18
New York State Elec & Gas Corp Somerset	**1,737**	**13,118**	**2.31**	**8.13**	**147.6**	**38.74**
Pennsylvania	224	13,134	1.48	6.89	145.5	38.21
Greene	224	13,134	1.48	6.89	145.5	38.21
West Virginia	1,513	13,115	2.43	8.31	148.0	38.81
Marion	503	13,382	2.38	7.17	151.1	40.44
Monongalia	1,011	12,983	2.46	8.88	146.4	38.00
Niagara-Mohawk Power Corp Dunkirk	**1,437**	**12,991**	**2.07**	**7.45**	**140.0**	**36.39**
Ohio	21	12,299	2.36	9.47	153.6	37.78
Columbiana	21	12,299	2.36	9.47	153.6	37.78
Pennsylvania	1,040	12,875	1.98	7.68	138.6	35.70
Armstrong	98	12,971	2.06	7.44	140.9	36.56
Butler	375	12,942	1.88	7.04	139.3	36.04
Clarion	478	12,823	2.06	7.79	135.8	34.84
Greene	23	13,360	1.40	5.85	151.8	40.56
Jefferson	66	12,560	1.94	11.52	147.2	36.98
West Virginia	376	13,348	2.30	6.68	143.1	38.22
Marion	14	13,530	2.16	7.40	150.9	40.83
Monongalia	362	13,341	2.31	6.65	142.8	38.11
Niagara-Mohawk Power Corp Huntley	**2,030**	**13,158**	**1.66**	**6.91**	**150.6**	**39.63**
Ohio	7	12,346	1.75	11.30	155.4	38.37
Columbiana	7	12,346	1.75	11.30	155.4	38.37
Pennsylvania	1,802	13,139	1.66	6.91	150.4	39.52
Armstrong	208	13,021	1.83	7.50	145.8	37.96
Butler	855	13,021	1.62	6.72	150.4	39.17
Clarion	23	12,930	1.98	7.50	147.7	38.20

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Niagara-Mohawk Power Corp Huntley						
Pennsylvania						
Greene	642	13,346	1.69	6.99	152.1	40.59
Washington	74	13,095	1.34	6.55	149.0	39.02
West Virginia	221	13,346	1.65	6.80	152.1	40.60
Monongalia	221	13,346	1.65	6.80	152.1	40.60
Northern Indiana Pub Serv Co Bailly	**1,202**	**11,390**	**2.76**	**10.85**	**130.1**	**29.64**
Illinois	1,026	11,384	2.75	11.08	130.4	29.69
Franklin	133	11,620	2.30	8.34	128.5	29.87
Perry	183	11,042	3.03	10.13	159.7	35.28
Saline	381	11,314	2.71	13.02	125.7	28.44
White	90	11,568	2.62	7.96	121.5	28.10
Williamson	238	11,558	2.88	11.43	120.7	27.91
Indiana	153	11,217	2.74	9.17	128.6	28.84
Greene	37	10,944	2.59	10.10	130.7	28.61
Pike	63	11,559	3.35	7.99	129.5	29.94
Sullivan	53	11,004	2.11	9.92	125.9	27.71
West Virginia	23	12,815	3.72	11.80	127.0	32.56
Barbour	23	12,815	3.72	11.80	127.0	32.56
Northern Indiana Pub Serv Co Michigan City	**873**	**11,146**	**2.31**	**8.97**	**165.1**	**36.81**
Illinois	629	11,127	2.97	10.28	162.4	36.14
Perry	501	11,074	3.02	9.63	172.3	38.15
Saline	119	11,326	2.76	12.87	125.4	28.41
Williamson	10	11,442	2.89	11.80	119.2	27.28
Indiana	9	10,964	1.94	9.70	119.1	26.12
Sullivan	9	10,964	1.94	9.70	119.1	26.12
Wyoming	234	11,206	.55	5.42	174.1	39.02
Carbon	234	11,206	.55	5.42	174.1	39.02
Northern Indiana Pub Serv Co Mitchell	**1,350**	**9,529**	**.43**	**5.56**	**136.6**	**26.04**
Kentucky	214	12,845	.72	7.80	168.7	43.33
Harlan	88	13,043	.71	6.38	153.8	40.11
Letcher	61	12,772	.73	8.00	173.5	44.31
Perry	65	12,644	.72	9.56	185.0	46.78
West Virginia	102	12,889	.71	8.15	155.5	40.08
Logan	102	12,889	.71	8.15	155.5	40.08
Wyoming	1,034	8,509	.34	4.83	123.8	21.06
Campbell	1,023	8,479	.34	4.83	123.0	20.85
Carbon	11	11,309	.55	5.00	180.7	40.87
Northern Indiana Pub Serv Co Rollin Schahfer	**2,956**	**10,940**	**1.82**	**8.17**	**175.1**	**38.31**
Colorado	256	10,855	.43	9.83	301.3	65.41
Moffat	108	10,450	.39	8.88	305.3	63.81
Routt	148	11,149	.45	10.52	298.5	66.57
Illinois	1,480	11,009	3.14	10.27	157.4	34.67
Perry	1,480	11,009	3.14	10.27	157.4	34.67
Indiana	1	11,500	3.00	8.00	152.2	35.01
Daviess	1	11,500	3.00	8.00	152.2	35.01
Kentucky	9	12,758	.72	7.90	182.9	46.67
Letcher	9	12,758	.72	7.90	182.9	46.67
Montana	164	9,379	.29	4.15	135.6	25.44
Big Horn	164	9,379	.29	4.15	135.6	25.44
Wyoming	1,047	11,091	.53	5.43	174.8	38.78
Campbell	22	8,476	.36	4.76	130.0	22.03
Carbon	1,003	11,200	.54	5.46	176.4	39.51
Converse	22	8,721	.34	5.00	127.3	22.20
Northern States Power Co Black Dog	**454**	**8,795**	**.34**	**5.25**	**135.6**	**23.85**
Wyoming	454	8,795	.34	5.25	135.6	23.85
Campbell	242	8,800	.35	5.21	135.6	23.86
Converse	212	8,789	.33	5.29	135.6	23.84
Northern States Power Co High Bridge	**612**	**8,773**	**.25**	**4.74**	**103.9**	**18.23**
Wyoming	612	8,773	.25	4.74	103.9	18.23
Campbell	459	8,777	.22	4.51	101.5	17.82
Converse	153	8,763	.33	5.42	111.0	19.46
Northern States Power Co King	**1,583**	**8,741**	**.53**	**7.73**	**116.1**	**20.29**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 States Power Co King						
Montana	934	8,703	0.65	9.41	102.5	17.84
Big Horn	910	8,704	.65	9.43	102.4	17.83
Rosebud	24	8,664	.76	8.60	106.2	18.40
Wyoming	649	8,797	.36	5.31	135.4	23.82
Campbell	580	8,799	.36	5.27	135.9	23.91
Converse	69	8,777	.34	5.60	131.2	23.03
Northern States Power Co Riverside	**930**	**8,776**	**.25**	**4.72**	**104.4**	**18.33**
Montana	1	8,688	.63	8.72	94.0	16.34
Big Horn	1	8,681	.62	8.80	96.2	16.70
Rosebud	*	8,743	.72	8.10	76.9	13.45
Wyoming	929	8,776	.25	4.72	104.5	18.33
Campbell	689	8,776	.22	4.50	102.7	18.03
Converse	239	8,776	.32	5.36	109.5	19.21
Northern States Power Co Sherburne County	**8,273**	**8,749**	**.45**	**6.60**	**114.1**	**19.96**
Montana	3,849	8,697	.67	8.76	123.0	21.39
Big Horn	2,764	8,706	.65	8.84	122.5	21.33
Rosebud	1,085	8,672	.71	8.56	124.2	21.54
Wyoming	4,424	8,794	.26	4.72	106.5	18.72
Campbell	3,984	8,795	.26	4.66	107.5	18.92
Converse	440	8,784	.33	5.32	96.6	16.97
Ohio Edison Co Burger	**1,236**	**11,862**	**2.95**	**11.47**	**114.0**	**27.05**
Ohio	935	11,810	3.06	11.31	107.0	25.28
Athens	68	11,454	2.77	10.85	91.0	20.85
Belmont	419	11,933	3.33	11.17	99.4	23.72
Harrison	2	12,089	2.66	12.00	100.3	24.25
Hocking	96	11,497	2.86	11.44	105.2	24.19
Jackson	9	11,279	3.41	10.62	95.9	21.64
Jefferson	288	11,932	2.74	11.83	123.2	29.41
Tuscarawas	31	11,202	3.52	9.02	110.3	24.71
Vinton	22	11,398	3.18	11.29	96.9	22.10
Pennsylvania	240	12,053	2.46	12.07	142.8	34.42
Fayette	4	12,791	1.72	8.90	141.5	36.20
Washington	236	12,041	2.48	12.13	142.8	34.39
West Virginia	61	11,905	3.10	11.54	105.3	25.08
Ohio	59	11,881	3.14	11.61	104.3	24.78
Preston	2	12,791	1.72	8.90	141.5	36.20
Ohio Edison Co Edgewater	**204**	**11,874**	**2.28**	**10.47**	**130.8**	**31.07**
Ohio	204	11,874	2.28	10.47	130.8	31.07
Columbiana	52	12,038	2.74	10.24	132.2	31.83
Guernsey	35	11,754	1.60	11.01	133.1	31.29
Jefferson	10	11,948	1.46	11.62	139.2	33.26
Mahoning	7	12,696	1.59	8.89	130.4	33.11
Tuscarawas	100	11,762	2.42	10.41	128.5	30.23
Ohio Edison Co Gorge Steam	**150**	**11,953**	**2.13**	**9.96**	**122.0**	**29.17**
Ohio	150	11,953	2.13	9.96	122.0	29.17
Belmont	2	12,138	2.47	11.67	112.1	27.22
Columbiana	32	12,283	2.16	10.73	126.6	31.09
Guernsey	14	11,945	1.62	10.31	119.1	28.45
Jefferson	13	11,916	1.68	11.26	129.0	30.75
Mahoning	7	12,703	2.28	8.29	125.7	31.93
Perry	11	12,066	2.40	7.06	127.4	30.74
Tuscarawas	70	11,706	2.23	9.88	118.1	27.66
Ohio Edison Co Niles	**629**	**11,817**	**3.20**	**11.65**	**105.9**	**25.03**
Ohio	441	11,900	3.35	10.64	105.5	25.10
Carroll	44	11,819	4.30	10.61	104.7	24.75
Columbiana	112	11,991	3.00	11.05	108.0	25.89
Jefferson	87	11,609	3.57	11.96	106.5	24.73
Mahoning	127	12,185	3.30	10.48	103.6	25.25
Stark	13	11,740	3.89	9.68	103.3	24.25
Tuscarawas	57	11,636	2.96	8.40	104.2	24.24

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company / Plant / Origin State / County	Quantity (thousand short tons)	Average Quality: Btu (per pound)	Average Quality: Sulfur (percent by weight)	Average Quality: Ash (percent by weight)	Average Delivered Cost: (cents per million Btu)	Average Delivered Cost: (dollars per short ton)
Ohio Edison Co — Niles						
Pennsylvania	188	11,622	2.85	14.02	106.9	24.86
Beaver	21	11,932	2.64	11.74	109.6	26.16
Butler	63	11,757	3.03	13.44	106.3	25.00
Lawrence	103	11,475	2.79	14.84	106.8	24.50
Ohio Edison Co — Sammis	**5,339**	**12,203**	**1.74**	**11.43**	**127.8**	**31.20**
Kentucky	344	11,901	.82	11.10	118.6	28.22
Carter	41	11,622	.78	10.24	119.5	27.77
Floyd	22	11,792	.87	12.12	123.8	29.21
Johnson	58	12,058	.70	11.32	111.6	26.90
Magoffin	220	11,927	.85	11.08	119.6	28.52
Perry	3	11,567	.80	12.30	130.3	30.14
Ohio	1,704	11,986	2.65	12.11	115.7	27.73
Belmont	101	11,898	3.12	11.47	96.7	23.00
Carroll	85	11,756	1.46	11.24	114.1	26.83
Columbiana	436	12,028	2.80	12.55	106.3	25.56
Guernsey	2	11,863	1.50	10.20	126.4	29.99
Jackson	15	12,058	3.45	12.35	94.1	22.70
Jefferson	1,026	12,009	2.64	12.10	122.2	29.35
Tuscarawas	37	11,599	2.59	10.85	109.1	25.30
Pennsylvania	1,258	12,588	1.73	10.47	140.8	35.44
Fayette	1,258	12,588	1.73	10.47	140.8	35.44
West Virginia	2,034	12,199	1.15	11.50	131.1	31.98
Kanawha	978	12,198	.75	11.49	132.5	32.33
Logan	160	11,730	.87	12.35	124.5	29.21
Marion	33	11,996	2.90	12.16	98.0	23.52
Mingo	199	11,629	.92	13.55	120.0	27.91
Monongalia	4	12,023	2.49	12.00	100.5	24.17
Nicholas	66	12,424	.87	10.48	113.5	28.21
Ohio	55	11,701	3.25	12.76	106.2	24.85
Preston	539	12,588	1.73	10.47	140.8	35.44
Ohio Edison Co — Toronto	**417**	**11,784**	**3.57**	**12.17**	**103.5**	**24.38**
Ohio	404	11,743	3.62	12.27	102.3	24.02
Belmont	23	12,072	3.65	12.55	99.0	23.90
Carroll	52	11,361	4.47	13.51	91.3	20.75
Columbiana	55	11,773	2.82	12.49	103.1	24.28
Jackson	1	11,916	3.73	12.30	95.3	22.71
Jefferson	207	11,862	3.42	12.17	104.7	24.83
Stark	45	11,543	4.34	11.56	105.0	24.25
Tuscarawas	21	11,514	3.97	10.85	100.8	23.21
Pennsylvania	9	13,038	1.80	9.02	136.1	35.50
Fayette	9	13,038	1.80	9.02	136.1	35.50
West Virginia	4	13,033	1.81	9.04	136.2	35.50
Preston	4	13,033	1.81	9.04	136.2	35.50
Ohio Power Co — Gavin	**5,405**	**11,215**	**3.22**	**12.51**	**197.9**	**44.39**
Ohio	5,245	11,187	3.23	12.56	198.7	44.47
Belmont	456	11,587	3.14	13.40	146.3	33.90
Hocking	59	11,558	3.20	11.95	110.9	25.64
Jackson	129	11,236	3.30	11.16	111.7	25.09
Lawrence	15	11,142	2.30	11.20	113.5	25.29
Meigs	3,845	11,143	3.25	12.56	213.8	47.64
Perry	4	11,405	2.42	10.10	154.7	35.29
Vinton	736	11,127	3.23	12.38	178.8	39.79
Pennsylvania	6	12,232	2.65	10.40	127.5	31.19
Unknown	6	12,232	2.65	10.40	127.5	31.19
West Virginia	154	12,143	2.89	10.98	173.8	42.22
Brooke	119	12,351	3.07	9.66	185.2	45.75
Clay	21	12,045	2.77	14.60	144.0	34.69
Kanawha	14	10,546	1.55	16.80	112.2	23.67
Ohio Power Co — Kammer	**1,838**	**12,112**	**4.17**	**12.90**	**125.6**	**30.42**
Ohio	187	12,218	3.84	10.95	86.9	21.23
Belmont	187	12,218	3.84	10.95	86.9	21.23
West Virginia	1,651	12,099	4.20	13.12	130.0	31.46
Marshall	1,651	12,099	4.20	13.12	130.0	31.46
Ohio Power Co — Mitchell	**2,314**	**11,845**	**1.22**	**16.35**	**193.0**	**45.73**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company / Plant / Origin State / County	Quantity (thousand short tons)	Average Quality: Btu (per pound)	Average Quality: Sulfur (percent by weight)	Average Quality: Ash (percent by weight)	Average Delivered Cost: (cents per million Btu)	Average Delivered Cost: (dollars per short ton)
Ohio Power Co — Mitchell						
West Virginia	2,314	11,845	1.22	16.35	193.0	45.73
Marion	2,312	11,845	1.22	16.36	193.1	45.73
Preston	2	11,905	1.87	10.10	153.9	36.64
Ohio Power Co — Muskingum	**3,887**	**11,349**	**4.35**	**12.47**	**171.0**	**38.80**
Ohio	3,881	11,348	4.35	12.47	171.0	38.80
Morgan	118	11,454	2.48	10.42	155.7	35.67
Muskingum	381	11,329	4.59	12.75	173.4	39.30
Noble	3,087	11,329	4.59	12.75	173.4	39.30
Perry	292	11,520	2.35	9.97	148.5	34.21
Tuscarawas	2	12,128	1.51	8.73	160.7	38.97
West Virginia	6	11,930	.72	11.81	160.3	38.24
Mingo	6	11,930	.72	11.81	160.3	38.24
Ohio Valley Electric Corp — Kyger Creek	**3,182**	**11,980**	**3.81**	**9.96**	**104.1**	**24.95**
Ohio	905	11,180	3.58	11.91	96.9	21.67
Belmont	41	12,088	3.98	11.00	92.6	22.40
Hocking	550	11,047	3.67	12.77	98.7	21.80
Jackson	308	11,275	3.35	10.54	94.2	21.25
Monroe	6	12,293	4.38	9.50	106.7	26.23
West Virginia	2,277	12,298	3.91	9.19	106.7	26.25
Marshall	2,277	12,298	3.91	9.19	106.7	26.25
Oklahoma Gas & Electric Co — Muskogee	**3,833**	**9,146**	**.43**	**5.36**	**135.6**	**24.81**
Oklahoma	327	12,706	1.24	8.47	140.9	35.80
Craig	29	11,679	1.33	11.30	154.2	36.02
Haskell	13	13,653	1.24	7.35	148.4	40.52
Le Flore	97	13,049	1.27	10.35	142.9	37.28
Muskogee	163	12,717	1.21	6.85	136.5	34.72
Rogers	25	11,976	1.26	9.06	143.3	34.33
Wyoming	3,506	8,813	.35	5.07	134.9	23.78
Campbell	3,506	8,813	.35	5.07	134.9	23.78
Oklahoma Gas & Electric Co — Sooner	**2,683**	**9,008**	**.43**	**5.46**	**139.3**	**25.09**
Oklahoma	164	11,829	1.42	10.73	151.1	35.76
Rogers	164	11,829	1.42	10.73	151.1	35.76
Wyoming	2,519	8,824	.36	5.12	138.2	24.40
Campbell	2,519	8,824	.36	5.12	138.2	24.40
Omaha Public Power District — Nebraska City	**1,177**	**8,379**	**.35**	**5.05**	**66.7**	**11.17**
Wyoming	1,177	8,379	.35	5.05	66.7	11.17
Campbell	1,177	8,379	.35	5.05	66.7	11.17
Omaha Public Power District — North Omaha	**1,463**	**8,289**	**.36**	**5.07**	**67.2**	**11.14**
Wyoming	1,463	8,289	.36	5.07	67.2	11.14
Campbell	1,463	8,289	.36	5.07	67.2	11.14
Orange and Rockland Utils Inc — Lovett	**590**	**12,919**	**.58**	**7.54**	**215.5**	**55.68**
Kentucky	140	13,065	.48	7.04	212.5	55.53
Pike	140	13,065	.48	7.04	212.5	55.53
West Virginia	450	12,874	.61	7.69	216.4	55.73
Mingo	450	12,874	.61	7.69	216.4	55.73
Orlando Utilities Comm — Stanton Energy	**1,074**	**12,723**	**.74**	**8.75**	**189.2**	**48.15**
Kentucky	1,074	12,723	.74	8.75	189.2	48.15
Letcher	1,074	12,723	.74	8.75	189.2	48.15
Otter Tail Power Co — Big Stone	**2,063**	**6,137**	**.89**	**7.74**	**124.1**	**15.24**
North Dakota	2,063	6,137	.89	7.74	124.1	15.24
Bowman	2,063	6,137	.89	7.74	124.1	15.24
Otter Tail Power Co — Hoot Lake	**249**	**9,264**	**.40**	**4.41**	**124.8**	**23.12**
Montana	219	9,277	.37	4.36	125.8	23.35
Big Horn	204	9,315	.36	4.13	125.9	23.45
Rosebud	15	8,765	.55	7.60	125.4	21.99
North Dakota	1	6,819	.96	10.83	176.4	24.05
Mercer	1	6,819	.96	10.83	176.4	24.05

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company / Plant / Origin State / County	Quantity (thousand short tons)	Average Quality: Btu (per pound)	Average Quality: Sulfur (percent by weight)	Average Quality: Ash (percent by weight)	Average Delivered Cost: (cents per million Btu)	Average Delivered Cost: (dollars per short ton)
Otter Tail Power Co — Hoot Lake						
Wyoming	29	9,248	0.55	4.55	115.4	21.35
Sheridan	29	9,248	.55	4.55	115.4	21.35
Owensboro City of — Smith	**792**	**10,656**	**2.86**	**12.04**	**108.9**	**23.22**
Indiana	162	10,612	2.89	12.59	103.8	22.04
Daviess	162	10,612	2.89	12.59	103.8	22.04
Kentucky	630	10,667	2.85	11.90	110.2	23.52
Daviess	543	10,672	2.85	11.89	111.1	23.71
Henderson	87	10,639	2.82	11.96	105.0	22.34
PacifiCorp — Carbon	**557**	**12,069**	**.58**	**8.54**	**108.1**	**26.09**
Utah	557	12,069	.58	8.54	108.1	26.09
Carbon	362	11,963	.59	8.23	113.9	27.25
Emery	195	12,266	.57	9.12	97.5	23.93
PacifiCorp — Centralia	**5,606**	**8,161**	**.66**	**13.57**	**155.6**	**25.40**
Montana	55	9,553	.33	4.10	130.8	24.99
Big Horn	55	9,553	.33	4.10	130.8	24.99
Washington	4,924	8,106	.71	14.74	160.1	25.95
King	12	10,482	.70	21.15	130.6	27.37
Lewis	1,940	8,100	.71	14.22	160.5	26.01
Thurston	2,972	8,100	.71	15.06	159.9	25.91
Wyoming	627	8,474	.34	5.21	124.6	21.12
Campbell	627	8,474	.34	5.21	124.6	21.12
PacifiCorp — Emery-Hunter	**4,076**	**10,921**	**.47**	**14.84**	**87.3**	**19.06**
Utah	4,076	10,921	.47	14.84	87.3	19.06
Emery	4,076	10,921	.47	14.84	87.3	19.06
PacifiCorp — Huntington	**2,749**	**11,223**	**.45**	**14.74**	**87.4**	**19.63**
Utah	2,749	11,223	.45	14.74	87.4	19.63
Emery	2,749	11,223	.45	14.74	87.4	19.63
PacifiCorp — Jim Bridger	**7,599**	**9,416**	**.59**	**10.06**	**105.9**	**19.94**
Wyoming	7,599	9,416	.59	10.06	105.9	19.94
Campbell	19	10,642	.83	6.07	86.2	18.34
Carbon	18	10,484	.43	7.12	101.3	21.25
Sweetwater	7,562	9,410	.59	10.08	105.9	19.94
PacifiCorp — Johnston	**3,870**	**7,947**	**.39**	**8.97**	**61.6**	**9.79**
Wyoming	3,870	7,947	.39	8.97	61.6	9.79
Campbell	1,296	8,649	.27	4.72	46.1	7.97
Converse	2,574	7,593	.45	11.11	70.6	10.72
PacifiCorp — Naughton	**2,571**	**9,586**	**.88**	**6.13**	**113.3**	**21.71**
Wyoming	2,571	9,586	.88	6.13	113.3	21.71
Lincoln	2,571	9,586	.88	6.13	113.3	21.71
PacifiCorp — Wyodak	**1,444**	**7,970**	**.63**	**7.95**	**61.2**	**9.75**
Wyoming	1,444	7,970	.63	7.95	61.2	9.75
Campbell	1,444	7,970	.63	7.95	61.2	9.75
Painesville City of — Painesville	**61**	**12,741**	**2.77**	**9.78**	**133.0**	**33.89**
Ohio	13	12,486	2.43	10.00	123.9	30.94
Mahoning	13	12,486	2.43	10.00	123.9	30.94
Pennsylvania	48	12,809	2.86	9.72	135.4	34.68
Clarion	48	12,809	2.86	9.72	135.4	34.68
Pennsylvania Electric Co — Conemaugh	**4,304**	**12,376**	**2.07**	**14.36**	**140.5**	**34.77**
Pennsylvania	4,304	12,376	2.07	14.36	140.5	34.77
Armstrong	486	12,366	2.06	13.23	111.5	27.58
Cambria	248	12,421	2.05	12.67	118.0	29.30
Clearfield	68	12,328	2.02	13.70	128.1	31.59
Fayette	74	12,250	2.00	13.37	115.9	28.41
Indiana	2,638	12,380	2.06	14.93	156.6	38.77
Somerset	484	12,386	2.12	13.98	114.7	28.40
Westmoreland	306	12,339	2.16	13.67	115.0	28.38
Pennsylvania Electric Co — Front St	**271**	**12,303**	**1.77**	**10.26**	**137.8**	**33.90**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Electric Co Front St						
Pennsylvania	271	12,303	1.77	10.26	137.8	33.90
Armstrong	18	12,435	1.72	10.69	155.4	38.64
Butler	163	12,183	1.76	10.66	135.4	33.00
Clarion	4	12,201	1.51	10.20	139.6	34.07
Indiana	5	12,241	1.85	10.60	160.0	39.17
Jefferson	32	12,326	1.68	10.62	137.3	33.84
Mercer	47	12,683	1.89	8.39	136.7	34.67
Washington	2	11,908	1.93	11.30	141.9	33.79
Pennsylvania Electric Co Homer City	**4,839**	**11,789**	**1.60**	**17.75**	**144.2**	**33.99**
Pennsylvania	4,839	11,789	1.60	17.75	144.2	33.99
Armstrong	41	12,313	1.63	12.70	135.0	33.24
Butler	35	12,266	1.27	12.45	136.6	33.51
Cambria	603	12,359	1.00	14.13	150.4	37.17
Clearfield	135	12,333	1.06	13.15	148.4	36.60
Fayette	22	12,582	.70	9.80	166.0	41.77
Indiana	2,989	11,441	1.91	20.57	141.4	32.35
Jefferson	68	12,299	.96	11.70	150.0	36.90
Somerset	843	12,364	1.17	12.92	147.4	36.45
Washington	14	12,289	1.55	12.47	139.9	34.39
Westmoreland	89	12,268	1.19	12.06	149.4	36.66
Pennsylvania Electric Co Keystone	**4,454**	**12,306**	**1.59**	**14.33**	**132.6**	**32.64**
Pennsylvania	4,454	12,306	1.59	14.33	132.6	32.64
Armstrong	2,604	12,311	1.60	14.24	131.6	32.39
Indiana	1,668	12,269	1.55	14.76	136.0	33.38
Jefferson	82	12,685	1.92	11.03	123.2	31.25
Somerset	18	12,404	1.96	12.09	124.3	30.83
Venango	82	12,529	1.95	12.20	109.2	27.37
Pennsylvania Electric Co Seward	**588**	**12,019**	**1.50**	**13.67**	**125.6**	**30.19**
Pennsylvania	588	12,019	1.50	13.67	125.6	30.19
Armstrong	5	12,120	1.57	13.10	129.6	31.43
Butler	14	11,908	1.48	14.04	120.8	28.77
Cambria	124	11,919	1.50	14.10	118.4	28.23
Clearfield	25	11,961	1.51	14.28	112.9	27.00
Greene	4	13,131	1.15	7.25	146.3	38.43
Indiana	133	12,010	1.49	14.09	137.4	33.01
Somerset	196	12,140	1.50	12.83	123.2	29.92
Westmoreland	87	11,884	1.52	14.44	126.2	30.00
Pennsylvania Electric Co Shawville	**1,579**	**12,170**	**1.94**	**13.74**	**110.1**	**26.79**
Pennsylvania	1,579	12,170	1.94	13.74	110.1	26.79
Clearfield	1,579	12,170	1.94	13.74	110.1	26.79
Pennsylvania Electric Co Warren	**272**	**12,207**	**1.64**	**11.00**	**123.2**	**30.07**
Pennsylvania	272	12,207	1.64	11.00	123.2	30.07
Armstrong	9	12,225	1.81	11.32	129.8	31.74
Butler	4	12,058	1.63	12.10	134.9	32.53
Clarion	76	12,308	1.65	9.77	122.9	30.25
Clearfield	5	12,415	1.74	11.00	134.0	33.27
Elk	53	12,168	1.77	11.73	123.7	30.11
Indiana	5	12,596	1.82	11.70	146.5	36.91
Jefferson	120	12,139	1.55	11.36	120.8	29.32
Pennsylvania Power & Light Co Martins Creek	**658**	**12,629**	**1.98**	**13.01**	**191.6**	**48.39**
Pennsylvania	658	12,629	1.98	13.01	191.6	48.39
Clearfield	20	12,577	2.11	13.10	155.6	39.14
Indiana	638	12,630	1.98	13.01	192.7	48.68
Pennsylvania Power & Light Co Montour	**3,737**	**12,483**	**1.71**	**13.61**	**167.7**	**41.86**
Pennsylvania	3,737	12,483	1.71	13.61	167.7	41.86
Cambria	1,830	12,426	1.67	13.73	185.5	46.10
Clearfield	1,582	12,531	1.73	13.61	152.5	38.23
Indiana	142	12,522	2.05	13.46	145.2	36.36
Jefferson	183	12,594	1.75	12.47	139.2	35.05
Pennsylvania Power & Light Co Brunner Island	**3,656**	**12,438**	**1.73**	**13.62**	**169.5**	**42.16**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 & Light Co Brunner Island						
Pennsylvania	3,656	12,438	1.73	13.62	169.5	42.16
Cambria	424	12,530	1.65	12.46	141.0	35.33
Clearfield	1,408	12,507	1.80	13.62	165.9	41.49
Greene	41	13,330	1.27	7.05	152.2	40.57
Indiana	1,677	12,331	1.71	14.09	182.3	44.97
Jefferson	78	12,518	1.69	12.98	139.0	34.80
Somerset	28	12,398	1.79	14.81	136.9	33.95
Pennsylvania Power & Light Co Holtwood	**232**	**8,808**	**.64**	**27.92**	**117.7**	**20.73**
Pennsylvania	232	8,808	.64	27.92	117.7	20.73
Dauphin	8	8,357	.76	28.66	93.0	15.55
Northumberland	22	11,688	1.15	15.51	146.2	34.18
Schuylkill	165	8,066	.60	32.36	105.3	16.99
Unknown	37	10,501	.48	15.35	145.1	30.48
Pennsylvania Power & Light Co Sunbury	**1,087**	**10,665**	**1.48**	**21.51**	**122.9**	**26.22**
Pennsylvania	1,087	10,665	1.48	21.51	122.9	26.22
Bedford	43	12,576	1.47	12.93	132.1	33.24
Carbon	8	9,076	1.33	26.97	53.1	9.64
Centre	71	11,251	1.89	19.70	107.4	24.17
Clearfield	531	12,550	2.06	12.70	143.8	36.10
Fulton	12	12,701	2.09	12.80	130.6	33.18
Jefferson	12	9,155	1.52	35.86	75.0	13.73
Lackawanna	39	7,241	.69	36.56	80.2	11.62
Luzerne	1	8,867	.50	32.00	67.6	11.99
Northumberland	2	10,266	.62	17.05	68.1	13.99
Schuylkill	344	7,784	.61	34.61	83.1	12.93
Sullivan	8	8,066	.56	36.40	69.0	11.14
Tioga	16	12,529	1.55	12.26	127.8	32.02
Pennsylvania Power Co New Castle	**853**	**12,268**	**1.53**	**10.49**	**124.9**	**30.64**
Ohio	106	12,738	1.71	8.22	116.0	29.55
Carroll	1	11,721	1.87	10.98	116.7	27.36
Columbiana	86	12,706	1.72	8.51	116.3	29.56
Guernsey	1	12,310	1.59	8.90	124.8	30.73
Mahoning	17	13,012	1.70	6.48	113.8	29.63
Pennsylvania	747	12,202	1.50	10.82	126.2	30.79
Allegheny	13	12,305	1.41	10.50	118.1	29.06
Armstrong	308	12,216	1.46	11.18	134.2	32.79
Beaver	33	12,091	1.36	9.14	118.0	28.52
Butler	189	12,213	1.62	10.86	122.6	29.95
Clarion	14	12,546	1.79	9.18	119.5	29.99
Lawrence	66	12,205	1.59	10.20	117.5	28.68
Mercer	55	12,139	1.47	8.81	118.4	28.76
Washington	69	12,116	1.38	12.42	121.2	29.38
Pennsylvania Power Co Bruce Mansfield	**5,477**	**12,086**	**4.03**	**11.76**	**153.2**	**37.03**
Ohio	2,180	12,082	4.01	11.79	154.4	37.30
Belmont	24	12,009	3.73	12.20	165.8	39.82
Jefferson	70	12,066	3.96	11.94	156.3	37.72
Mahoning	80	12,104	4.10	11.59	149.4	36.16
Monroe	1,969	12,083	4.01	11.79	154.4	37.31
Tuscarawas	37	12,063	4.08	11.86	151.7	36.60
Pennsylvania	528	12,080	4.02	11.80	153.3	37.05
Butler	279	12,086	4.03	11.79	152.9	36.95
Washington	249	12,073	4.01	11.80	153.9	37.15
West Virginia	2,769	12,090	4.04	11.73	152.2	36.81
Marshall	2,734	12,091	4.04	11.73	152.1	36.78
Monongalia	19	12,047	3.82	12.40	163.1	39.30
Ohio	16	12,009	3.73	12.20	165.8	39.82
Philadelphia Electric Co Cromby	**251**	**12,966**	**1.54**	**7.85**	**162.3**	**42.09**
Pennsylvania	96	12,855	1.80	7.92	162.9	41.88
Armstrong	14	12,881	1.72	8.00	168.1	43.31
Clarion	62	12,779	1.92	8.28	162.4	41.51
Washington	20	13,073	1.48	6.71	160.7	42.02

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Philadelphia Electric Co Cromby						
West Virginia	155	13,034	1.38	7.82	162.0	42.22
Barbour	35	13,133	1.49	7.27	156.5	41.12
Braxton	7	13,091	1.07	6.80	160.2	41.94
Monongalia	71	13,137	1.46	6.95	157.3	41.34
Nicholas	7	12,619	.89	10.89	182.9	46.16
Randolph	28	12,785	1.18	9.79	173.6	44.38
Upshur	7	12,846	1.56	9.40	172.8	44.40
Philadelphia Electric Co Eddystone	**972**	**13,069**	**1.49**	**7.65**	**163.3**	**42.67**
Pennsylvania	460	13,047	1.53	7.44	162.3	42.35
Armstrong	59	12,994	1.55	9.64	169.0	43.92
Butler	14	13,011	1.48	8.40	175.2	45.59
Clarion	102	12,832	1.87	8.21	158.1	40.57
Greene	8	13,450	1.27	5.90	161.2	43.36
Mercer	29	12,857	1.41	6.43	171.2	44.02
Washington	248	13,159	1.42	6.72	160.8	42.31
West Virginia	512	13,089	1.45	7.83	164.1	42.96
Barbour	144	13,174	1.40	7.02	165.0	43.47
Boone	8	13,237	.84	7.50	213.2	56.44
Braxton	61	12,943	.90	8.66	165.0	42.72
Marion	34	13,014	2.23	8.74	152.5	39.69
Monongalia	109	13,295	1.69	6.84	157.8	41.96
Nicholas	38	13,084	1.55	7.19	166.1	43.45
Preston	69	12,757	1.40	9.91	169.4	43.23
Upshur	14	12,921	1.68	9.25	172.7	44.64
Webster	35	13,124	1.17	8.05	162.8	42.73
Plains Elec Gen&Trans Coop Inc Escalante	**921**	**9,416**	**.68**	**15.70**	**137.2**	**25.85**
New Mexico	921	9,416	.68	15.70	137.2	25.85
Mckinley	921	9,416	.68	15.70	137.2	25.85
Platte River Power Authority Rawhide	**1,157**	**8,784**	**.30**	**5.24**	**71.3**	**12.53**
Wyoming	1,157	8,784	.30	5.24	71.3	12.53
Converse	1,157	8,784	.30	5.24	71.3	12.53
Potomac Edison Co Smith	**238**	**12,910**	**.99**	**10.39**	**141.9**	**36.65**
Maryland	181	13,129	1.00	9.67	143.4	37.66
Allegany	40	12,496	.95	11.92	146.5	36.61
Garrett	141	13,311	1.02	9.03	142.6	37.96
Pennsylvania	46	12,214	.96	12.54	135.3	33.06
Centre	2	11,941	.83	12.59	130.7	31.22
Somerset	44	12,227	.97	12.54	135.6	33.15
West Virginia	11	12,229	.89	13.04	143.1	35.00
Barbour	2	11,840	.86	13.60	140.0	33.15
Preston	9	12,331	.89	12.90	143.9	35.48
Potomac Electric Power Co Chalk	**1,289**	**12,547**	**1.79**	**12.12**	**170.1**	**42.69**
Maryland	596	12,660	1.67	11.88	169.0	42.80
Allegany	10	12,575	1.66	11.58	165.0	41.51
Garrett	586	12,662	1.67	11.89	169.1	42.82
Pennsylvania	545	12,361	1.96	12.64	175.1	43.29
Cambria	264	12,304	2.08	12.50	176.4	43.40
Clearfield	223	12,456	1.86	12.38	174.7	43.53
Somerset	58	12,255	1.82	14.29	170.7	41.84
West Virginia	147	12,778	1.64	11.15	156.7	40.03
Grant	126	12,781	1.65	11.00	156.8	40.08
Mineral	21	12,757	1.61	12.03	155.9	39.77
Potomac Electric Power Co Dickerson	**1,181**	**12,598**	**1.53**	**10.60**	**139.8**	**35.23**
West Virginia	1,181	12,598	1.53	10.60	139.8	35.23
Preston	1,174	12,596	1.53	10.60	139.8	35.21
Randolph	7	12,932	1.24	11.30	153.0	39.57
Potomac Electric Power Co Morgantown	**2,664**	**12,565**	**1.82**	**12.37**	**169.1**	**42.50**
Maryland	659	12,727	1.70	11.78	168.8	42.96
Allegany	18	12,271	1.78	12.84	180.1	44.20
Garrett	641	12,740	1.70	11.75	168.5	42.93

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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	1,754	12,453	1.90	12.89	171.0	42.58
Cambria	726	12,439	2.00	12.62	171.7	42.71
Clearfield	568	12,490	1.92	12.62	173.6	43.37
Somerset	460	12,430	1.71	13.64	166.6	41.41
West Virginia	251	12,917	1.66	10.37	157.7	40.74
Grant	223	12,914	1.64	10.13	158.3	40.88
Mineral	28	12,938	1.81	12.30	153.0	39.58
Potomac Electric Power Co Potomac River	**1,124**	**12,770**	**.79**	**8.08**	**186.3**	**47.58**
Kentucky	273	12,758	.75	7.79	181.5	46.32
Pike	273	12,758	.75	7.79	181.5	46.32
Virginia	520	12,827	.84	7.97	190.7	48.92
Buchanan	40	12,748	.76	8.59	182.0	46.39
Lee	146	12,756	.88	7.72	191.6	48.89
Wise	334	12,868	.84	8.00	191.3	49.24
West Virginia	331	12,688	.74	8.49	183.2	46.50
Boone	34	12,581	.82	8.59	196.4	49.43
Fayette	76	12,705	.75	8.28	180.4	45.84
Mcdowell	25	12,766	.77	11.17	181.1	46.25
Mingo	196	12,691	.73	8.21	182.4	46.28
Public Service Co of Colorado Comanche	**2,338**	**8,488**	**.32**	**4.73**	**110.4**	**18.74**
Wyoming	2,338	8,488	.32	4.73	110.4	18.74
Campbell	2,338	8,488	.32	4.73	110.4	18.74
Public Service Co of Colorado Pawnee	**1,854**	**8,359**	**.32**	**4.48**	**105.4**	**17.62**
Wyoming	1,854	8,359	.32	4.48	105.4	17.62
Campbell	1,854	8,359	.32	4.48	105.4	17.62
Public Service Co of Colorado Valmont	**598**	**10,931**	**.40**	**8.33**	**107.5**	**23.50**
Colorado	433	11,120	.42	8.64	109.6	24.37
Delta	112	11,547	.39	6.69	106.3	24.55
Gunnison	145	11,016	.44	8.65	110.6	24.37
Jackson	10	10,378	.24	7.92	105.2	21.83
Moffat	31	10,486	.31	7.67	124.2	26.05
Routt	134	11,079	.47	10.55	108.4	24.02
Wyoming	165	10,434	.36	7.52	101.7	21.22
Carbon	165	10,434	.36	7.52	101.7	21.22
Public Service Co of Colorado Cameo	**166**	**11,518**	**.48**	**9.08**	**116.4**	**26.81**
Colorado	166	11,518	.48	9.08	116.4	26.81
Garfield	2	10,873	.44	12.11	46.0	10.00
Gunnison	84	11,368	.44	8.32	143.8	32.68
Mesa	80	11,689	.53	9.81	89.8	21.00
Public Service Co of Colorado Cherokee	**1,697**	**10,760**	**.39**	**8.75**	**113.3**	**24.37**
Colorado	1,697	10,760	.39	8.75	113.3	24.37
Delta	184	11,245	.42	7.93	114.3	25.70
Gunnison	147	11,404	.47	7.92	136.5	31.13
Mesa	40	11,515	.53	9.30	91.9	21.18
Moffat	1,064	10,501	.35	8.57	111.6	23.43
Routt	263	10,993	.47	10.43	109.0	23.97
Public Service Co of Colorado Araphoe	**577**	**11,096**	**.43**	**8.69**	**117.8**	**26.15**
Colorado	545	11,016	.42	8.51	117.0	25.78
Delta	61	11,529	.39	6.77	106.7	24.60
Gunnison	197	11,324	.48	8.51	118.2	26.78
Moffat	183	10,506	.33	8.19	122.6	25.77
Routt	104	11,025	.50	10.07	111.5	24.60
New Mexico	32	12,455	.52	11.71	130.2	32.42
Colfax	32	12,455	.52	11.71	130.2	32.42
Public Service Co of IN Inc Gibson Station	**6,530**	**10,843**	**2.43**	**10.08**	**164.5**	**35.67**
Illinois	5,501	10,731	2.38	10.46	167.6	35.98
Clinton	2,749	10,684	3.40	8.74	167.2	35.73
Wabash	2,752	10,779	1.36	12.17	168.0	36.22

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 IN Inc Gibson Station						
Indiana	1,029	11,442	2.73	8.05	148.7	34.02
Pike	1,029	11,442	2.73	8.05	148.7	34.02
Public Service Co of IN Inc Gallagher	**884**	**10,937**	**2.32**	**9.20**	**133.7**	**29.25**
Indiana	881	10,938	2.32	9.19	133.7	29.25
Warrick	881	10,938	2.32	9.19	133.7	29.25
Kentucky	3	10,495	2.48	12.40	146.2	30.69
Daviess	3	10,495	2.48	12.40	146.2	30.69
Public Service Co of IN Inc Cayuga	**2,406**	**10,928**	**2.21**	**10.23**	**121.9**	**26.65**
Illinois	45	11,059	2.11	8.71	111.5	24.65
Douglas	45	11,059	2.11	8.71	111.5	24.65
Indiana	2,361	10,926	2.22	10.26	122.2	26.69
Clay	185	11,265	2.11	7.45	103.8	23.38
Pike	67	11,334	2.19	8.00	167.6	37.98
Sullivan	150	10,808	2.30	11.04	105.9	22.90
Vermillion	1,959	10,889	2.22	10.54	123.6	26.91
Public Service Co of IN Inc Edwardsport	**55**	**10,794**	**2.49**	**11.40**	**92.0**	**19.87**
Indiana	55	10,794	2.49	11.40	92.0	19.87
Knox	8	11,261	2.58	9.11	76.2	17.17
Sullivan	44	10,700	2.56	11.94	93.9	20.11
Vigo	3	10,936	1.12	9.46	109.5	23.94
Public Service Co of IN Inc Wabash River	**930**	**10,881**	**2.11**	**10.48**	**123.9**	**26.96**
Illinois	10	11,138	2.21	8.25	111.0	24.73
Douglas	10	11,138	2.21	8.25	111.0	24.73
Indiana	920	10,878	2.11	10.50	124.0	26.98
Clay	24	10,898	1.94	9.56	137.1	29.88
Daviess	6	11,194	1.36	8.10	141.8	31.75
Greene	21	11,146	2.22	9.08	132.1	29.45
Sullivan	833	10,865	2.15	10.61	124.3	27.02
Vigo	36	10,954	1.23	9.84	100.4	21.99
Public Service Co of IN Inc Noblesville	**9**	**11,290**	**2.17**	**8.47**	**114.4**	**25.83**
Indiana	9	11,290	2.17	8.47	114.4	25.83
Clay	9	11,290	2.17	8.47	114.4	25.83
Public Service Co of NH Merrimack	**1,024**	**13,371**	**2.04**	**6.79**	**171.8**	**45.94**
Ohio	16	12,534	3.00	7.20	182.7	45.80
Columbiana	16	12,534	3.00	7.20	182.7	45.80
Pennsylvania	221	13,201	1.30	6.56	174.3	46.02
Greene	113	13,217	1.27	6.59	173.1	45.77
Washington	107	13,184	1.34	6.52	175.5	46.28
Virginia	42	14,014	1.19	5.27	216.9	60.79
Buchanan	14	14,341	.76	4.46	216.3	62.04
Tazewell	27	13,842	1.42	5.70	217.2	60.13
West Virginia	745	13,404	2.29	6.94	168.2	45.08
Marion	263	13,577	2.28	7.24	168.5	45.75
Monongalia	276	13,347	2.48	6.93	169.2	45.17
Ohio	119	13,336	2.51	6.35	163.8	43.68
Upshur	88	13,158	1.45	6.84	169.9	44.71
Public Service Co of NH Schiller	**40**	**13,043**	**.76**	**7.17**	**200.6**	**52.33**
West Virginia	40	13,043	.76	7.17	200.6	52.33
Boone	40	13,043	.76	7.17	200.6	52.33
Public Service Co of NM San Juan	**5,972**	**9,636**	**.82**	**21.21**	**148.1**	**28.54**
New Mexico	5,972	9,636	.82	21.21	148.1	28.54
San Juan	5,972	9,636	.82	21.21	148.1	28.54
Public Service Co of Oklahoma Northeastern	**2,604**	**8,893**	**.49**	**5.97**	**165.3**	**29.39**
Oklahoma	122	11,695	.46	10.54	155.9	36.46
Craig	122	11,695	.46	10.54	155.9	36.46
Wyoming	2,482	8,756	.49	5.74	165.9	29.05
Campbell	2,482	8,756	.49	5.74	165.9	29.05
Public Service Electric&Gas Co Hudson	**1,203**	**13,002**	**.81**	**8.49**	**176.3**	**45.83**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Electric&Gas Co Hudson						
Kentucky	63	12,988	0.77	6.63	182.0	47.27
Pike	63	12,988	.77	6.63	182.0	47.27
Pennsylvania	15	13,371	.77	8.09	173.9	46.50
Clearfield	15	13,371	.77	8.09	173.9	46.50
West Virginia	1,125	12,998	.81	8.59	176.0	45.74
Barbour	*	13,432	.99	6.00	171.5	46.07
Boone	260	13,077	.76	8.24	174.9	45.74
Logan	40	12,834	.67	7.91	174.7	44.85
Nicholas	144	13,129	.82	7.98	174.1	45.72
Randolph	161	12,964	1.01	9.34	175.0	45.38
Webster	519	12,946	.78	8.77	177.4	45.93
Public Service Electric&Gas Co Mercer	**1,177**	**13,846**	**.84**	**5.29**	**173.1**	**47.94**
Kentucky	*	12,997	.74	7.40	190.9	49.62
Pike	*	12,997	.74	7.40	190.9	49.62
Virginia	1,122	13,878	.85	5.30	172.7	47.94
Buchanan	733	14,026	.79	4.82	171.1	48.01
Dickenson	*	13,500	.87	6.20	205.3	55.43
Russell	137	13,629	.83	7.51	170.0	46.35
Tazewell	24	13,528	.87	5.41	185.5	50.17
Wise	228	13,590	1.04	5.48	178.2	48.43
West Virginia	14	13,421	.87	7.32	173.3	46.51
Barbour	7	13,342	.99	6.00	168.0	44.83
Mcdowell	6	13,353	.66	9.90	180.6	48.23
Nicholas	2	14,017	1.04	4.10	171.1	47.97
Imported	41	13,139	.53	4.46	184.4	48.47
Imported Coal	41	13,139	.53	4.46	184.4	48.47
Richmond City of Whitewater	**225**	**11,189**	**2.49**	**11.30**	**161.7**	**36.19**
Indiana	190	11,094	2.71	11.34	167.6	37.20
Daviess	189	11,095	2.73	11.35	168.1	37.30
Greene	1	11,078	.84	10.41	106.0	23.49
Kentucky	21	11,832	.75	10.50	131.2	31.04
Perry	21	11,832	.75	10.50	131.2	31.04
Ohio	13	11,527	2.10	12.07	129.3	29.80
Coshocton	3	11,562	3.25	11.74	129.7	30.00
Perry	10	11,517	1.77	12.16	129.1	29.74
Rochester City of Silver Lake	**57**	**12,149**	**1.64**	**7.07**	**194.2**	**47.19**
Illinois	57	12,149	1.64	7.07	194.2	47.19
Hamilton	15	12,226	1.48	6.53	196.5	48.05
Saline	42	12,120	1.70	7.27	193.4	46.87
Rochester Gas & Electric Corp Rochester 3	**192**	**13,243**	**2.10**	**7.16**	**157.9**	**41.83**
Ohio	3	12,650	1.87	9.00	159.1	40.25
Columbiana	3	12,650	1.87	9.00	159.1	40.25
Pennsylvania	96	13,119	1.85	7.22	155.6	40.84
Armstrong	13	12,894	1.89	9.44	161.2	41.57
Clarion	28	12,941	2.06	7.57	147.9	38.28
Greene	31	13,325	1.86	6.38	160.1	42.67
Jefferson	4	13,106	2.00	9.67	157.0	41.15
Washington	20	13,196	1.51	6.09	155.6	41.07
West Virginia	93	13,390	2.36	7.04	160.2	42.90
Marion	26	13,417	2.52	7.56	162.3	43.55
Monongalia	66	13,380	2.30	6.83	159.3	42.64
Rochester Gas & Electric Corp Rochester 7	**661**	**13,082**	**2.05**	**7.26**	**157.3**	**41.16**
Ohio	4	12,530	1.96	8.70	160.6	40.25
Columbiana	4	12,530	1.96	8.70	160.6	40.25
Pennsylvania	416	13,035	1.84	7.23	156.1	40.69
Armstrong	14	12,827	1.88	9.54	162.3	41.65
Butler	7	12,550	2.04	8.70	189.8	47.64
Clarion	111	12,892	2.07	7.98	148.1	38.19
Greene	123	13,234	1.93	6.43	159.3	42.17
Jefferson	40	12,887	1.78	9.46	157.5	40.59
Mercer	7	12,960	2.04	6.70	172.2	44.63
Washington	112	13,071	1.52	6.24	155.9	40.75

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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)
Rochester Gas & Electric Corp Rochester 7						
West Virginia	241	13,173	2.41	7.29	159.3	41.98
Marion	52	13,336	2.43	7.34	163.4	43.57
Monongalia	179	13,159	2.40	7.10	157.2	41.37
Upshur	10	12,566	2.46	10.31	177.5	44.62
Salt River Proj Ag I & P Dist Coronado	**1,429**	**9,946**	**.45**	**14.17**	**225.1**	**44.77**
New Mexico	1,429	9,946	.45	14.17	225.1	44.77
Mckinley	1,429	9,946	.45	14.17	225.1	44.77
Salt River Proj Ag I & P Dist Navajo	**7,769**	**11,064**	**.49**	**8.45**	**97.7**	**21.61**
Arizona	7,769	11,064	.49	8.45	97.7	21.61
Navajo	7,769	11,064	.49	8.45	97.7	21.61
San Antonio City of J T Deely	**3,148**	**8,344**	**.34**	**5.60**	**136.1**	**22.71**
Wyoming	3,148	8,344	.34	5.60	136.1	22.71
Campbell	3,148	8,344	.34	5.60	136.1	22.71
San Miguel Electric Coop Inc San Miguel	**2,984**	**5,366**	**1.69**	**24.98**	**84.9**	**9.11**
Texas	2,984	5,366	1.69	24.98	84.9	9.11
Atascosa	2,984	5,366	1.69	24.98	84.9	9.11
Savannah Electric & Power Inc Mcintosh	**453**	**12,416**	**.95**	**8.93**	**178.3**	**44.27**
Kentucky	404	12,389	.95	8.93	177.0	43.85
Breathitt	58	12,031	1.05	9.11	188.7	45.41
Harlan	289	12,598	.90	8.39	174.0	43.84
Perry	51	11,565	1.16	11.73	177.4	41.03
Pike	7	12,638	.71	9.70	205.6	51.97
Virginia	33	12,374	1.08	9.18	196.2	48.55
Lee	33	12,374	1.08	9.18	196.2	48.55
Imported	16	13,189	.71	8.50	174.3	45.98
Imported Coal	16	13,189	.71	8.50	174.3	45.98
Savannah Electric & Power Inc Port Wentworth	**509**	**12,858**	**1.00**	**8.84**	**173.0**	**44.48**
Kentucky	161	12,714	.94	9.20	172.4	43.84
Harlan	161	12,714	.94	9.20	172.4	43.84
Tennessee	8	12,834	1.08	7.46	183.2	47.02
Campbell	8	12,834	1.08	7.46	183.2	47.02
Virginia	333	12,920	1.04	8.70	173.1	44.72
Dickenson	9	12,739	.84	11.43	187.8	47.84
Lee	46	12,526	.95	9.62	181.3	45.43
Wise	279	12,990	1.06	8.47	171.3	44.51
Imported	7	13,189	.71	8.40	168.5	44.45
Imported Coal	7	13,189	.71	8.40	168.5	44.45
Seminole Electric Coop Inc Seminole	**3,029**	**11,998**	**2.94**	**8.76**	**194.3**	**46.63**
Illinois	1,397	11,649	2.81	8.07	204.0	47.52
White	1,397	11,649	2.81	8.07	204.0	47.52
Indiana	236	11,471	3.50	9.81	166.5	38.20
Dubois	236	11,471	3.50	9.81	166.5	38.20
Kentucky	1,396	12,437	2.97	9.28	189.6	47.17
Harlan	3	12,605	1.92	10.20	166.1	41.87
Webster	1,393	12,437	2.98	9.28	189.7	47.18
Sierra Pacific Power Co North Valmy	**1,427**	**10,672**	**.42**	**8.53**	**188.8**	**40.29**
Utah	872	11,344	.39	8.43	182.6	41.44
Sevier	872	11,344	.39	8.43	182.6	41.44
Wyoming	555	9,615	.45	8.67	200.1	38.48
Sweetwater	555	9,615	.45	8.67	200.1	38.48
Sikeston City of Sikeston	**557**	**11,403**	**2.60**	**12.14**	**154.9**	**35.33**
Illinois	557	11,403	2.60	12.14	154.9	35.33
Saline	557	11,403	2.60	12.14	154.9	35.33
South Carolina Electric&Gas Co Canadys	**785**	**13,035**	**.94**	**7.97**	**169.0**	**44.07**
Kentucky	699	13,015	.89	7.90	169.8	44.20
Bell	550	13,113	.86	7.57	171.6	45.00
Harlan	67	12,699	1.03	9.14	160.1	40.66
Leslie	14	12,660	1.26	8.90	172.6	43.70
Perry	54	12,575	.86	9.71	164.5	41.38
Pike	14	12,738	1.00	6.80	161.5	41.14

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Canadys						
Virginia	86	13,200	1.35	8.52	162.9	43.00
Dickenson	86	13,200	1.35	8.52	162.9	43.00
South Carolina Electric&Gas Co Mcmeekin	**518**	**13,088**	**1.28**	**8.52**	**160.3**	**41.96**
Kentucky	177	12,916	1.02	7.58	163.3	42.18
Bell	64	13,334	.78	6.65	169.0	45.06
Leslie	13	12,680	1.41	9.05	170.7	43.29
Perry	15	12,449	1.00	9.60	164.4	40.93
Pike	84	12,717	1.15	7.70	157.3	40.01
Virginia	341	13,177	1.41	9.00	158.8	41.84
Dickenson	341	13,177	1.41	9.00	158.8	41.84
South Carolina Electric&Gas Co Urguhart	**517**	**12,896**	**1.18**	**8.66**	**160.1**	**41.29**
Kentucky	337	12,736	1.11	8.43	158.6	40.39
Bell	86	12,767	1.06	9.07	162.3	41.43
Leslie	7	12,707	1.28	9.00	170.7	43.38
Pike	244	12,725	1.12	8.19	156.9	39.94
Virginia	180	13,195	1.32	9.08	162.9	42.98
Dickenson	180	13,195	1.32	9.08	162.9	42.98
South Carolina Electric&Gas Co Wateree	**1,403**	**12,810**	**1.09**	**8.81**	**159.7**	**40.93**
Kentucky	852	12,779	.99	8.61	164.3	41.99
Bell	310	12,894	.92	8.31	169.1	43.61
Harlan	381	12,754	1.05	8.76	161.8	41.26
Leslie	9	12,843	1.23	8.30	171.2	43.97
Perry	115	12,581	.93	9.29	159.7	40.19
Pike	37	12,672	1.07	7.53	162.2	41.11
Tennessee	133	12,527	1.40	9.09	156.6	39.24
Claiborne	133	12,527	1.40	9.09	156.6	39.24
Virginia	418	12,964	1.19	9.12	151.5	39.29
Wise	418	12,964	1.19	9.12	151.5	39.29
South Carolina Electric&Gas Co Williams	**1,180**	**12,778**	**1.00**	**8.83**	**167.7**	**42.85**
Kentucky	1,180	12,778	1.00	8.83	167.7	42.85
Bell	158	12,734	1.09	9.21	159.1	40.52
Harlan	753	12,818	1.05	8.69	171.3	43.90
Perry	268	12,691	.83	8.99	162.6	41.26
South Carolina Pub Serv Auth Cross	**1,348**	**12,488**	**1.12**	**9.37**	**177.2**	**44.25**
Kentucky	1,348	12,488	1.12	9.37	177.2	44.25
Bell	210	12,466	1.13	9.25	148.6	37.06
Harlan	1,113	12,495	1.12	9.42	182.8	45.67
Leslie	8	12,634	.99	8.86	214.6	54.23
Letcher	9	12,275	.80	7.20	140.6	34.52
Pike	9	12,185	1.10	9.21	150.1	36.57
South Carolina Pub Serv Auth Grainger	**171**	**12,766**	**1.76**	**10.00**	**168.1**	**42.92**
Kentucky	170	12,765	1.76	10.00	168.1	42.91
Bell	13	12,592	2.08	10.91	173.4	43.67
Floyd	3	11,645	1.27	13.48	147.2	34.29
Harlan	109	12,887	1.76	9.59	169.7	43.74
Letcher	25	12,170	1.62	11.07	171.5	41.73
Pike	21	13,112	1.85	9.76	156.2	40.95
Tennessee	1	13,005	1.82	9.71	173.1	45.03
Campbell	1	13,005	1.82	9.71	173.1	45.03
South Carolina Pub Serv Auth Jefferies	**563**	**12,225**	**1.62**	**11.02**	**183.1**	**44.77**
Kentucky	563	12,225	1.62	11.02	183.1	44.77
Bell	9	12,631	1.08	7.64	161.2	40.73
Harlan	25	12,786	1.58	8.82	184.4	47.16
Leslie	522	12,190	1.63	11.18	183.6	44.77
Letcher	8	12,359	1.69	11.33	168.6	41.68
South Carolina Pub Serv Auth Winyah	**2,831**	**12,397**	**1.06**	**9.29**	**177.5**	**44.00**
Kentucky	2,831	12,397	1.06	9.29	177.5	44.00
Bell	113	12,545	1.04	8.12	151.5	38.01
Breathitt	8	12,480	.96	7.90	165.6	41.34
Floyd	46	12,552	1.01	9.51	146.8	36.86
Harlan	2,196	12,419	1.06	9.20	182.1	45.24

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Pub Serv Auth Winyah						
Kentucky						
Knott	16	11,608	1.70	11.17	139.0	32.26
Leslie	177	12,225	1.04	10.13	187.0	45.72
Letcher	134	12,444	1.16	10.25	152.3	37.92
Perry	17	12,210	1.16	11.29	169.2	41.32
Pike	125	12,124	.99	9.18	150.6	36.51
South Mississippi EL Pwr Assn R D Morrow	**731**	**12,430**	**.93**	**8.93**	**199.2**	**49.52**
Kentucky	731	12,430	.93	8.93	199.2	49.52
Pike	731	12,430	.93	8.93	199.2	49.52
Southern California Edison Co Mohave	**4,137**	**10,997**	**.52**	**9.89**	**123.4**	**27.15**
Arizona	4,137	10,997	.52	9.89	123.4	27.15
Navajo	4,137	10,997	.52	9.89	123.4	27.15
Southern Illinois Power Coop Marion	**516**	**10,329**	**3.27**	**19.98**	**80.8**	**16.69**
Illinois	516	10,329	3.27	19.98	80.8	16.69
Franklin	36	11,749	2.27	9.81	98.3	23.11
Gallatin	335	10,780	3.94	20.22	85.5	18.43
Jackson	23	8,718	2.24	21.83	57.0	9.94
Jefferson	20	8,408	1.67	23.44	52.6	8.84
Saline	15	9,966	2.03	16.31	64.9	12.93
Williamson	87	8,931	1.94	22.62	64.8	11.58
Southern Indiana Gas & Elec Co A B Brown	**1,174**	**11,552**	**3.54**	**8.34**	**154.5**	**35.69**
Indiana	1,143	11,563	3.53	8.17	155.6	35.98
Pike	1,143	11,563	3.53	8.17	155.6	35.98
Kentucky	30	11,128	4.18	14.46	111.2	24.76
Hopkins	30	11,128	4.18	14.46	111.2	24.76
Southern Indiana Gas & Elec Co Culley	**915**	**10,982**	**3.00**	**9.32**	**141.2**	**31.01**
Indiana	915	10,982	3.00	9.32	141.2	31.01
Greene	23	10,761	2.80	11.90	129.2	27.81
Warrick	892	10,987	3.00	9.25	141.5	31.09
Southern Indiana Gas & Elec Co Warrick	**468**	**11,108**	**3.17**	**9.14**	**111.1**	**24.69**
Indiana	468	11,108	3.17	9.14	111.1	24.69
Sullivan	33	10,589	2.75	12.77	102.4	21.68
Warrick	435	11,148	3.20	8.87	111.8	24.92
Southwestern Electric Power Co Flint Creek	**1,648**	**8,414**	**.34**	**4.67**	**159.7**	**26.88**
Wyoming	1,648	8,414	.34	4.67	159.7	26.88
Campbell	1,648	8,414	.34	4.67	159.7	26.88
Southwestern Electric Power Co Pirkey	**2,804**	**6,708**	**1.52**	**11.30**	**117.5**	**15.77**
Texas	2,804	6,708	1.52	11.30	117.5	15.77
Harrison	2,804	6,708	1.52	11.30	117.5	15.77
Southwestern Electric Power Co Welsh Station	**5,301**	**8,412**	**.34**	**4.64**	**208.0**	**35.00**
Wyoming	5,301	8,412	.34	4.64	208.0	35.00
Campbell	5,301	8,412	.34	4.64	208.0	35.00
Southwestern Public Service Co Harrington	**3,926**	**8,785**	**.36**	**5.24**	**150.9**	**26.51**
Wyoming	3,926	8,785	.36	5.24	150.9	26.51
Campbell	3,926	8,785	.36	5.24	150.9	26.51
Southwestern Public Service Co Tolk	**4,222**	**8,723**	**.35**	**5.16**	**177.2**	**30.92**
Wyoming	4,222	8,723	.35	5.16	177.2	30.92
Campbell	4,222	8,723	.35	5.16	177.2	30.92
Springfield City of (MO) James River	**421**	**11,729**	**2.41**	**8.83**	**125.0**	**29.31**
Illinois	344	11,652	2.01	7.92	123.3	28.74
Franklin	344	11,652	2.01	7.92	123.3	28.74
Kansas	12	11,811	3.32	13.30	132.7	31.35
Crawford	12	11,811	3.32	13.30	132.7	31.35
Oklahoma	66	12,114	4.33	12.75	131.9	31.94
Craig	66	12,114	4.33	12.75	131.9	31.94
Springfield City of (MO) Southwest	**328**	**11,726**	**2.81**	**10.20**	**128.2**	**30.07**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company / Plant / Origin State / County	Quantity (thousand short tons)	Average Quality: Btu (per pound)	Average Quality: Sulfur (percent by weight)	Average Quality: Ash (percent by weight)	Average Delivered Cost: (cents per million Btu)	Average Delivered Cost: (dollars per short ton)
Springfield City of (MO) Southwest						
Illinois	204	11,649	1.89	8.19	124.3	28.97
Franklin	204	11,649	1.89	8.19	124.3	28.97
Oklahoma	124	11,851	4.33	13.49	134.5	31.87
Craig	124	11,851	4.33	13.49	134.5	31.87
Springfield City of (IL) Dallman	**856**	**10,377**	**2.93**	**9.11**	**128.9**	**26.75**
Illinois	856	10,377	2.93	9.11	128.9	26.75
Logan	856	10,377	2.93	9.11	128.9	26.75
Springfield City of (IL) Lakeside	**50**	**10,375**	**2.91**	**9.11**	**127.9**	**26.55**
Illinois	50	10,375	2.91	9.11	127.9	26.55
Logan	50	10,375	2.91	9.11	127.9	26.55
St Joseph Light and Power Co Lakeroad	**180**	**12,250**	**3.24**	**12.76**	**136.5**	**33.45**
Kansas	56	12,152	3.24	12.32	131.0	31.85
Crawford	56	12,152	3.24	12.32	131.0	31.85
Missouri	6	11,971	3.13	9.22	124.4	29.78
Vernon	6	11,971	3.13	9.22	124.4	29.78
Oklahoma	112	12,396	3.34	13.40	139.7	34.65
Haskell	97	12,481	3.35	13.61	140.5	35.08
Rogers	13	11,870	3.27	12.15	134.1	31.84
Unknown	2	11,738	3.57	11.45	135.7	31.86
Wyoming	5	10,337	1.01	7.46	141.2	29.18
Carbon	5	10,337	1.01	7.46	141.2	29.18
Sunflower Electric Power Corp Holcomb Unit #1	**1,150**	**8,343**	**.34**	**4.91**	**92.9**	**15.51**
Wyoming	1,150	8,343	.34	4.91	92.9	15.51
Campbell	1,150	8,343	.34	4.91	92.9	15.51
Tampa Electric Co Big Bend	**6,220**	**12,349**	**2.19**	**7.78**	**168.4**	**41.60**
Illinois	939	11,058	2.85	9.08	179.2	39.64
Jackson	38	11,207	3.19	10.29	101.9	22.84
Perry	556	11,055	2.82	8.97	182.4	40.33
Randolph	345	11,047	2.86	9.12	182.8	40.39
Indiana	272	11,258	3.31	9.32	98.2	22.11
Dubois	149	11,267	3.28	9.77	93.0	20.95
Spencer	102	11,335	3.28	8.39	103.7	23.52
Warrick	21	10,837	3.64	10.69	108.0	23.41
Kentucky	4,356	12,579	2.02	7.42	167.2	42.07
Henderson	36	11,778	2.98	7.77	126.3	29.76
Knott	29	13,262	.93	5.30	154.2	40.90
Muhlenberg	287	12,166	2.83	8.88	165.0	40.15
Ohio	208	11,606	2.90	8.69	129.4	30.03
Union	609	12,440	2.83	8.69	130.6	32.50
Webster	1,090	12,490	2.84	8.64	136.7	34.16
Whitley	2,075	12,838	1.13	6.09	198.1	50.88
Tennessee	90	12,733	1.02	6.79	216.1	55.03
Campbell	90	12,733	1.02	6.79	216.1	55.03
West Virginia	563	13,186	2.13	7.80	184.1	48.55
Monongalia	563	13,186	2.13	7.80	184.1	48.55
Tampa Electric Co Gannon	**454**	**12,769**	**1.12**	**6.45**	**232.1**	**59.27**
Kentucky	454	12,769	1.12	6.45	232.1	59.27
Whitley	454	12,769	1.12	6.45	232.1	59.27
Tennessee Valley Authority Allen	**1,310**	**11,713**	**2.10**	**7.82**	**117.2**	**27.45**
Illinois	695	11,726	2.14	8.02	116.1	27.22
Franklin	466	11,627	2.09	7.79	113.7	26.44
Gallatin	128	12,187	2.40	8.77	127.0	30.96
Saline	101	11,602	2.04	8.15	112.6	26.12
Kentucky	614	11,699	2.05	7.59	118.4	27.71
Butler	614	11,699	2.05	7.59	118.4	27.71
Tennessee Valley Authority Bull Run	**2,247**	**11,485**	**.90**	**13.33**	**202.6**	**46.53**
Kentucky	2,247	11,485	.90	13.33	202.6	46.53
Breathitt	2,213	11,472	.90	13.37	203.9	46.79
Perry	7	11,922	.90	13.10	117.4	27.99
Unknown	27	12,427	.80	10.20	122.9	30.53

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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	**3,063**	**11,567**	**2.25**	**10.79**	**184.1**	**42.60**
Illinois	690	11,590	2.10	8.00	110.7	25.67
Franklin	578	11,595	2.10	7.89	110.6	25.65
Saline	113	11,567	2.07	8.60	111.5	25.80
Kentucky	19	11,235	2.00	8.90	114.2	25.66
Unknown	19	11,235	2.00	8.90	114.2	25.66
Ohio	2,352	11,562	2.30	11.62	206.3	47.71
Belmont	2,352	11,562	2.30	11.62	206.3	47.71
Tennessee	2	12,500	.80	12.20	123.0	30.75
Marion	2	12,500	.80	12.20	123.0	30.75
Tennessee Valley Authority Cumberland	**5,291**	**11,544**	**2.77**	**8.25**	**128.7**	**29.72**
Kentucky	5,273	11,541	2.77	8.24	128.7	29.71
Hopkins	26	11,663	2.80	11.03	114.9	26.80
Union	5,221	11,542	2.77	8.21	128.8	29.73
Unknown	25	11,219	1.60	11.40	124.9	28.03
West Virginia	18	12,421	2.60	11.40	139.5	34.65
Preston	18	12,421	2.60	11.40	139.5	34.65
Tennessee Valley Authority Gallatin	**1,965**	**12,020**	**2.74**	**9.17**	**136.6**	**32.83**
Illinois	58	11,596	2.94	8.36	104.4	24.21
White	58	11,596	2.94	8.36	104.4	24.21
Kentucky	1,907	12,033	2.74	9.19	137.5	33.09
Hopkins	614	11,954	2.76	9.39	127.5	30.49
Webster	672	12,358	2.78	7.86	163.6	40.43
Unknown	621	11,759	2.66	10.43	117.9	27.73
Tennessee Valley Authority Johnsonville	**2,085**	**11,501**	**1.69**	**9.72**	**121.8**	**28.01**
Illinois	741	11,721	1.77	7.53	108.4	25.42
Saline	93	11,665	1.70	8.09	107.5	25.07
Unknown	649	11,729	1.78	7.45	108.6	25.47
Indiana	6	11,601	1.60	7.60	129.1	29.95
Unknown	6	11,601	1.60	7.60	129.1	29.95
Kentucky	1,338	11,379	1.65	10.95	129.3	29.43
Unknown	1,338	11,379	1.65	10.95	129.3	29.43
Tennessee Valley Authority Kingston	**3,487**	**12,484**	**1.33**	**9.65**	**119.9**	**29.93**
Kentucky	1,540	12,445	1.27	9.22	125.7	31.28
Bell	819	12,581	1.47	8.48	116.3	29.26
Breathitt	162	11,407	.90	13.56	195.1	44.51
Clay	10	11,349	.78	13.84	132.9	30.16
Harlan	469	12,703	1.09	8.63	122.7	31.16
Knox	61	11,644	1.05	10.96	108.9	25.35
Leslie	8	12,552	.90	8.30	120.8	30.33
Pike	10	11,942	1.23	13.09	110.2	26.31
Whitley	1	12,368	1.40	8.70	145.6	36.02
Unknown	*	12,347	1.40	11.90	104.6	25.83
Tennessee	1,786	12,467	1.37	10.17	115.6	28.81
Anderson	408	12,572	1.57	9.86	118.6	29.81
Campbell	158	12,289	.99	11.30	108.7	26.72
Claiborne	58	12,505	1.53	9.07	114.5	28.63
Fentress	9	11,893	1.60	12.55	105.4	25.08
Morgan	43	12,429	1.09	11.25	116.2	28.87
Scott	127	13,050	1.66	8.09	114.2	29.82
Unknown	982	12,382	1.31	10.38	115.7	28.65
Virginia	161	13,043	1.49	7.98	112.4	29.32
Lee	4	11,753	1.20	12.09	97.9	23.00
Wise	157	13,075	1.49	7.88	112.7	29.48
Tennessee Valley Authority Paradise	**7,114**	**10,985**	**4.59**	**16.93**	**96.7**	**21.25**
Kentucky	7,114	10,985	4.59	16.93	96.7	21.25
Hopkins	365	11,154	4.30	11.98	96.0	21.42
Muhlenberg	3,771	10,361	4.75	18.76	93.7	19.41
Webster	691	11,875	4.25	15.21	89.2	21.19
Unknown	2,287	11,718	4.46	15.21	103.6	24.28
Tennessee Valley Authority Sevier	**1,914**	**12,698**	**1.80**	**10.05**	**122.4**	**31.08**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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	720	12,317	1.58	11.44	117.4	28.92
Bell	77	12,811	1.63	8.45	127.7	32.73
Harlan	154	12,298	1.85	12.46	119.5	29.39
Letcher	317	12,210	1.18	11.43	117.6	28.72
Pike	61	12,508	2.06	11.79	109.6	27.41
Unknown	110	12,201	2.05	11.94	110.6	27.00
Tennessee	81	12,776	2.03	9.80	123.0	31.44
Campbell	13	12,873	2.68	10.07	118.4	30.48
Claiborne	18	12,215	1.50	11.07	116.2	28.39
Morgan	8	12,925	2.28	9.42	124.0	32.07
Scott	11	12,860	1.93	8.40	127.4	32.76
Unknown	31	12,990	2.03	9.53	127.0	32.98
Virginia	1,114	12,938	1.93	9.16	125.4	32.45
Lee	11	12,341	2.25	11.11	118.2	29.16
Wise	1,098	12,944	1.93	9.14	125.5	32.49
Unknown	5	12,959	1.20	10.10	123.3	31.96
Tennessee Valley Authority Shawnee	**2,192**	**12,094**	**1.16**	**10.15**	**119.0**	**28.78**
Kentucky	1,053	11,921	1.67	10.20	115.4	27.50
Floyd	138	11,798	.62	11.15	120.7	28.48
Harlan	28	12,786	.73	6.41	132.0	33.75
Hopkins	7	11,500	4.80	11.40	101.7	23.39
Martin	55	11,740	.65	12.59	119.6	28.09
Ohio	161	11,254	4.30	10.94	85.5	19.25
Perry	5	11,954	.70	10.50	127.1	30.39
Unknown	659	12,092	1.34	9.77	120.0	29.02
West Virginia	1,139	12,254	.70	10.10	122.2	29.96
Boone	66	12,578	.72	9.39	135.5	34.09
Kanawha	106	12,117	.72	11.71	119.2	28.90
Logan	133	11,995	.66	10.60	138.8	33.31
Mingo	9	12,058	.70	11.00	122.2	29.47
Unknown	825	12,290	.70	9.86	118.9	29.24
Tennessee Valley Authority Widows Creek	**2,805**	**11,835**	**2.63**	**10.61**	**114.7**	**27.15**
Illinois	183	11,589	2.93	8.34	106.3	24.63
White	183	11,589	2.93	8.34	106.3	24.63
Indiana	374	11,609	3.42	7.94	105.9	24.58
Pike	343	11,667	3.41	7.77	105.5	24.62
Spencer	21	11,005	3.43	9.34	114.3	25.17
Warrick	9	10,806	3.81	10.93	101.5	21.93
Kentucky	1,594	11,732	3.17	10.95	115.1	27.00
Daviess	163	11,044	3.79	12.14	102.3	22.59
Harlan	272	11,920	2.43	10.77	117.3	27.97
Hopkins	25	11,449	3.80	11.30	107.4	24.59
Perry	95	11,794	.77	11.40	129.1	30.46
Union	421	11,875	3.03	8.57	128.7	30.58
Unknown	618	11,735	3.78	12.25	105.9	24.86
Tennessee	612	12,307	.76	12.04	120.8	29.72
Fentress	19	11,668	.80	13.83	106.4	24.83
Grundy	20	12,266	.75	11.63	119.6	29.33
Marion	273	12,377	.67	12.00	123.3	30.52
Sequatchie	300	12,285	.83	11.99	119.4	29.33
West Virginia	42	11,943	.74	10.21	123.8	29.57
Fayette	2	11,992	.70	11.30	129.5	31.06
Unknown	41	11,942	.74	10.17	123.6	29.52
Texas Municipal Power Agency Gibbons Creek	**3,628**	**4,595**	**1.27**	**26.43**	**145.6**	**13.38**
Texas	3,628	4,595	1.27	26.43	145.6	13.38
Grimes	3,628	4,595	1.27	26.43	145.6	13.38
Texas Utilities Electric Co Big Brown	**5,670**	**6,798**	**.72**	**14.08**	**84.8**	**11.52**
Texas	5,670	6,798	.72	14.08	84.8	11.52
Freestone	5,670	6,798	.72	14.08	84.8	11.52
Texas Utilities Electric Co Martin Lake	**12,481**	**6,717**	**1.01**	**12.26**	**98.8**	**13.27**
Texas	12,481	6,717	1.01	12.26	98.8	13.27
Panola	12,481	6,717	1.01	12.26	98.8	13.27
Texas Utilities Electric Co Monticello	**11,764**	**6,121**	**.57**	**18.04**	**86.0**	**10.53**

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company / Plant / Origin State / County	Quantity (thousand short tons)	Average Quality: Btu (per pound)	Average Quality: Sulfur (percent by weight)	Average Quality: Ash (percent by weight)	Average Delivered Cost: (cents per million Btu)	Average Delivered Cost: (dollars per short ton)
Texas Utilities Electric Co — Monticello						
Texas	11,764	6,121	0.57	18.04	86.0	10.53
Titus	11,764	6,121	.57	18.04	86.0	10.53
Texas Utilities Electric Co — Sandow No 4	**620**	**6,227**	**1.18**	**20.49**	**85.4**	**10.63**
Texas	620	6,227	1.18	20.49	85.4	10.63
Milam	620	6,227	1.18	20.49	85.4	10.63
Toledo Edison Co — Acme	**83**	**12,893**	**.73**	**8.04**	**169.5**	**43.70**
Kentucky	5	13,066	.58	6.72	166.8	43.58
Pike	5	13,066	.58	6.72	166.8	43.58
West Virginia	78	12,882	.74	8.13	169.6	43.71
Mingo	78	12,882	.74	8.13	169.6	43.71
Toledo Edison Co — Bay Shore	**1,156**	**13,099**	**1.25**	**6.90**	**192.1**	**50.31**
Kentucky	392	13,373	1.38	5.86	199.5	53.36
Pike	392	13,373	1.38	5.86	199.5	53.36
Virginia	33	13,012	1.37	7.94	183.9	47.86
Buchanan	33	13,012	1.37	7.94	183.9	47.86
West Virginia	731	12,955	1.17	7.42	188.3	48.79
Mingo	731	12,955	1.17	7.42	188.3	48.79
Tucson Electric Power Co — Irvington	**271**	**10,183**	**.47**	**13.11**	**273.3**	**55.67**
New Mexico	271	10,183	.47	13.11	273.3	55.67
Mckinley	271	10,183	.47	13.11	273.3	55.67
Union Electric Co — Labadie	**5,312**	**11,208**	**2.54**	**9.33**	**140.2**	**31.43**
Colorado	62	10,823	.36	5.20	186.9	40.45
Delta	9	11,400	.35	7.00	138.5	31.58
Moffat	53	10,725	.36	4.90	195.6	41.96
Illinois	5,074	11,254	2.64	9.40	138.8	31.25
Jackson	241	10,600	2.50	11.00	142.0	30.11
Jefferson	939	11,800	1.30	7.30	209.7	49.49
Logan	58	10,400	2.95	9.60	149.8	31.15
Perry	2,571	11,209	3.08	10.05	119.4	26.77
Randolph	1,075	11,000	3.00	9.70	104.7	23.04
Saline	190	11,700	1.28	7.10	211.5	49.50
Utah	48	11,350	.45	8.10	183.3	41.61
Sevier	48	11,350	.45	8.10	183.3	41.61
Wyoming	128	9,500	.60	9.00	161.7	30.72
Sweetwater	128	9,500	.60	9.00	161.7	30.72
Union Electric Co — Meramec	**594**	**11,827**	**1.26**	**7.51**	**195.7**	**46.28**
Illinois	528	11,975	1.29	7.20	203.7	48.79
Saline	528	11,975	1.29	7.20	203.7	48.79
Indiana	55	11,000	1.20	11.00	123.0	27.06
Dubois	55	11,000	1.20	11.00	123.0	27.06
Wyoming	11	8,850	.34	4.90	125.0	22.13
Campbell	11	8,850	.34	4.90	125.0	22.13
Union Electric Co — Rush Island	**2,929**	**10,321**	**.94**	**9.45**	**169.4**	**34.97**
Illinois	2,297	10,849	1.06	10.43	183.2	39.75
Jackson	1,777	10,600	1.00	11.40	165.2	35.02
Saline	520	11,700	1.28	7.10	238.8	55.89
Wyoming	632	8,400	.50	5.90	104.8	17.61
Campbell	632	8,400	.50	5.90	104.8	17.61
Union Electric Co — Sioux	**2,508**	**10,126**	**1.64**	**7.38**	**144.5**	**29.26**
Illinois	1,387	11,509	2.56	8.55	168.5	38.78
Logan	29	10,772	2.90	10.18	155.3	33.46
Perry	1,292	11,526	2.51	8.37	171.8	39.60
Saline	66	11,500	3.48	11.40	108.8	25.02
Kentucky	6	11,171	2.85	10.80	161.2	36.02
Unknown	6	11,171	2.85	10.80	161.2	36.02
Wyoming	1,115	8,400	.50	5.90	103.5	17.38
Campbell	1,115	8,400	.50	5.90	103.5	17.38
United Illuminating Co — Bridgeport Harbor	**875**	**13,308**	**.53**	**6.13**	**213.7**	**56.88**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Illuminating Co Bridgeport Harbor						
Kentucky	849	13,297	0.53	6.12	214.6	57.07
Pike	849	13,297	.53	6.12	214.6	57.07
West Virginia	26	13,661	.66	6.55	185.3	50.64
Boone	26	13,661	.66	6.55	185.3	50.64
United Power Assn Stanton	**973**	**6,830**	**.86**	**9.54**	**99.6**	**13.61**
North Dakota	973	6,830	.86	9.54	99.6	13.61
Mercer	973	6,830	.86	9.54	99.6	13.61
Vineland City of H M Down	**68**	**12,976**	**.77**	**7.61**	**203.5**	**52.80**
West Virginia	68	12,976	.77	7.61	203.5	52.80
Nicholas	68	12,976	.77	7.61	203.5	52.80
Virginia Electric & Power Co Bremo Bluff	**538**	**12,769**	**1.04**	**9.36**	**155.6**	**39.75**
Kentucky	425	12,772	1.09	9.52	155.1	39.62
Breathitt	7	12,512	1.06	8.10	161.5	40.41
Floyd	21	12,476	.90	8.33	147.8	36.87
Letcher	7	12,800	1.00	10.00	153.2	39.22
Pike	390	12,792	1.10	9.60	155.4	39.76
West Virginia	114	12,759	.88	8.75	157.5	40.20
Boone	22	12,860	1.19	9.00	155.2	39.92
Fayette	1	13,126	.81	9.50	157.3	41.29
Logan	90	12,729	.80	8.68	158.1	40.25
Virginia Electric & Power Co Chesterfield	**2,861**	**12,615**	**.94**	**8.87**	**151.4**	**38.19**
Kentucky	1,700	12,613	1.01	8.59	152.8	38.55
Bell	134	12,473	1.19	9.42	162.1	40.44
Breathitt	55	12,481	.98	7.55	152.8	38.14
Clay	52	12,397	1.21	10.42	144.9	35.92
Floyd	412	12,556	.93	7.76	146.8	36.87
Harlan	193	12,861	1.00	8.05	149.5	38.46
Knott	26	12,295	.73	9.65	151.8	37.33
Knox	16	12,475	1.09	8.80	144.2	35.98
Letcher	72	12,551	1.07	9.15	164.2	41.23
Martin	20	12,667	.93	7.80	187.9	47.60
Perry	90	12,533	.97	8.91	153.8	38.54
Pike	630	12,667	1.03	8.92	154.2	39.06
Virginia	120	12,691	1.12	9.23	166.1	42.17
Buchanan	2	13,227	1.07	8.90	166.1	43.94
Dickenson	3	12,815	1.07	10.14	157.3	40.32
Lee	46	12,466	1.50	9.05	173.0	43.12
Wise	69	12,821	.87	9.33	162.0	41.54
West Virginia	1,040	12,609	.80	9.30	147.3	37.14
Boone	544	12,628	.81	9.80	146.0	36.87
Logan	483	12,589	.78	8.69	148.2	37.31
Mingo	12	12,553	1.19	10.76	164.8	41.38
Randolph	1	12,602	1.17	11.70	167.9	42.32
Virginia Electric & Power Co Mount Storm	**4,834**	**12,246**	**1.78**	**14.02**	**136.4**	**33.41**
Maryland	493	11,739	1.85	17.11	104.4	24.51
Allegany	466	11,695	1.85	17.29	104.7	24.48
Garrett	27	12,500	1.70	14.00	99.8	24.95
Pennsylvania	27	12,274	1.76	14.84	122.3	30.03
Somerset	27	12,274	1.76	14.84	122.3	30.03
West Virginia	4,314	12,304	1.77	13.66	140.0	34.45
Barbour	43	11,717	1.71	16.73	103.2	24.19
Grant	3,632	12,404	1.78	13.20	145.4	36.08
Mineral	192	11,840	1.61	14.78	101.9	24.13
Preston	244	11,922	1.85	15.77	121.2	28.89
Randolph	203	11,539	1.82	17.69	103.0	23.78
Virginia Electric & Power Co Chesapeake Energy	**1,517**	**12,858**	**1.05**	**9.11**	**153.9**	**39.58**
Kentucky	165	12,805	.91	8.05	158.5	40.59
Martin	10	11,959	.96	10.02	176.1	42.12
Pike	156	12,857	.91	7.93	157.5	40.49
Virginia	897	12,954	1.11	8.87	155.8	40.36
Buchanan	409	13,004	1.13	8.62	154.9	40.28
Dickenson	12	12,414	1.19	10.76	153.8	38.18
Lee	5	12,434	1.41	10.76	154.2	38.34
Wise	471	12,931	1.09	9.01	156.6	40.50

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

Table 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Chesapeake Energy						
West Virginia	455	12,688	0.97	9.97	148.5	37.67
Mingo	455	12,688	.97	9.97	148.5	37.67
Virginia Electric & Power Co Possum Point	**774**	**12,558**	**.98**	**9.04**	**156.3**	**39.25**
Kentucky	579	12,572	1.02	8.50	156.4	39.33
Breathitt	6	12,503	.82	7.40	151.3	37.83
Floyd	101	12,863	.92	7.20	148.4	38.17
Pike	472	12,511	1.05	8.79	158.2	39.59
Virginia	35	12,755	.76	9.22	161.7	41.26
Wise	35	12,755	.76	9.22	161.7	41.26
West Virginia	160	12,464	.86	10.97	154.6	38.55
Boone	20	12,462	.80	10.16	154.0	38.38
Greenbrier	4	11,654	.80	14.26	166.9	38.90
Logan	78	12,577	.69	9.82	144.7	36.41
Nicholas	7	12,185	.70	13.86	164.9	40.19
Randolph	52	12,389	1.16	12.41	167.9	41.61
Virginia Electric & Power Co Yorktown	**734**	**12,880**	**1.29**	**8.48**	**153.5**	**39.55**
Kentucky	361	12,832	1.24	7.93	156.0	40.03
Breathitt	73	12,617	1.17	7.80	152.7	38.52
Clay	12	12,105	1.16	8.75	147.1	35.61
Floyd	6	12,583	.82	7.30	146.6	36.89
Harlan	21	12,800	1.03	10.00	150.2	38.44
Letcher	7	12,680	1.08	7.10	149.7	37.96
Pike	241	12,947	1.30	7.79	158.3	40.99
Virginia	136	12,732	1.37	9.53	159.2	40.53
Dickenson	82	12,999	1.34	8.95	154.4	40.14
Lee	55	12,335	1.40	10.40	166.7	41.11
West Virginia	237	13,038	1.31	8.72	146.7	38.26
Boone	237	13,038	1.31	8.72	146.7	38.26
West Penn Power Co Armstrong	**904**	**12,444**	**1.85**	**11.18**	**121.2**	**30.16**
Pennsylvania	904	12,444	1.85	11.18	121.2	30.16
Armstrong	388	12,337	1.93	11.15	104.7	25.83
Butler	21	12,101	1.89	12.42	121.2	29.34
Jefferson	495	12,542	1.78	11.15	133.9	33.58
West Penn Power Co Hatfield	**4,402**	**12,736**	**2.11**	**9.88**	**138.5**	**35.27**
Pennsylvania	320	12,929	1.66	8.32	144.4	37.33
Cambria	7	12,115	2.08	14.30	154.1	37.34
Fayette	19	12,330	2.30	12.33	129.0	31.82
Greene	253	13,145	1.53	7.22	143.5	37.72
Jefferson	40	12,002	2.04	12.24	156.5	37.56
West Virginia	4,082	12,721	2.15	10.00	138.0	35.11
Marion	24	13,127	2.24	8.07	143.6	37.71
Monongalia	4,049	12,719	2.15	10.00	137.9	35.09
Preston	9	12,307	2.48	13.68	140.8	34.65
West Penn Power Co Mitchell	**629**	**12,109**	**2.55**	**12.79**	**121.0**	**29.30**
West Virginia	629	12,109	2.55	12.79	121.0	29.30
Marion	1	12,325	3.20	9.50	97.9	24.13
Marshall	38	11,494	3.90	14.49	122.0	28.04
Monongalia	588	12,148	2.47	12.69	121.0	29.41
Preston	2	12,590	2.49	11.90	103.5	26.06
West Texas Utilities Co Oklaunion	**2,459**	**8,317**	**.35**	**4.98**	**174.9**	**29.10**
Wyoming	2,459	8,317	.35	4.98	174.9	29.10
Campbell	2,459	8,317	.35	4.98	174.9	29.10
Western Farmers Elec Coop Inc Hugo	**1,644**	**8,467**	**.45**	**5.37**	**176.7**	**29.93**
Oklahoma	73	12,631	.51	6.97	173.0	43.70
Muskogee	2	13,471	.39	8.40	173.0	46.61
Rogers	71	12,604	.52	6.92	173.0	43.61
Wyoming	1,571	8,273	.45	5.29	177.0	29.29
Campbell	1,571	8,273	.45	5.29	177.0	29.29
Wisconsin Electric Power Co Oak Creek	**1,663**	**12,793**	**1.69**	**7.09**	**149.1**	**38.14**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Oak Creek						
Illinois	551	11,833	1.60	7.37	145.9	34.54
Franklin	551	11,833	1.60	7.37	145.9	34.54
Pennsylvania	1,112	13,268	1.74	6.95	150.4	39.92
Greene	1,112	13,268	1.74	6.95	150.4	39.92
Wisconsin Electric Power Co Pleasant Prairie	**4,925**	**8,487**	**.35**	**5.13**	**95.0**	**16.13**
Wyoming	4,925	8,487	.35	5.13	95.0	16.13
Campbell	4,925	8,487	.35	5.13	95.0	16.13
Wisconsin Electric Power Co Port Washington	**170**	**13,157**	**1.58**	**5.81**	**160.3**	**42.19**
Pennsylvania	170	13,157	1.58	5.81	160.3	42.19
Greene	170	13,157	1.58	5.81	160.3	42.19
Wisconsin Electric Power Co Presque Isle	**1,727**	**10,221**	**.61**	**7.81**	**162.9**	**33.30**
Kentucky	251	12,602	.83	8.82	146.9	37.02
Clay	9	12,976	1.06	7.40	145.2	37.68
Magoffin	87	12,234	.84	8.73	148.4	36.32
Martin	6	12,719	.86	7.60	146.3	37.22
Pike	150	12,789	.82	9.01	146.1	37.38
Montana	1,109	8,852	.54	7.00	175.7	31.11
Big Horn	831	8,852	.54	7.00	177.5	31.43
Rosebud	278	8,852	.54	7.00	170.3	30.15
West Virginia	366	12,733	.67	9.56	146.7	37.37
Boone	66	12,545	.79	10.18	147.0	36.88
Logan	162	12,827	.62	9.60	146.7	37.65
Mingo	139	12,713	.67	9.21	146.6	37.28
Wisconsin Electric Power Co Valley	**480**	**12,520**	**1.57**	**8.16**	**165.3**	**41.39**
Illinois	147	11,777	1.60	7.53	161.3	37.99
Franklin	87	11,636	1.62	8.43	167.2	38.90
Saline	60	11,981	1.56	6.23	153.1	36.68
Indiana	2	12,608	1.40	9.60	165.9	41.83
Pike	2	12,608	1.40	9.60	165.9	41.83
Kentucky	127	12,676	1.41	9.41	164.5	41.71
Martin	50	12,552	1.47	9.62	165.1	41.45
Pike	77	12,756	1.38	9.27	164.1	41.88
Ohio	9	12,612	1.41	9.90	163.6	41.28
Belmont	9	12,612	1.41	9.90	163.6	41.28
Pennsylvania	127	13,177	1.80	6.58	170.7	44.99
Greene	127	13,177	1.80	6.58	170.7	44.99
West Virginia	68	12,590	1.40	9.88	164.5	41.42
Mingo	68	12,590	1.40	9.88	164.5	41.42
Wisconsin Power & Light Co Columbia	**3,076**	**8,756**	**.55**	**7.36**	**158.8**	**27.81**
Montana	1,829	8,733	.70	8.84	162.1	28.32
Rosebud	1,829	8,733	.70	8.84	162.1	28.32
Wyoming	1,247	8,791	.33	5.19	154.0	27.07
Campbell	746	8,808	.36	5.13	156.4	27.55
Converse	502	8,765	.30	5.26	150.3	26.36
Wisconsin Power & Light Co Edgewater	**1,860**	**9,927**	**1.24**	**7.18**	**178.1**	**35.35**
Indiana	907	11,102	2.16	9.30	177.3	39.37
Daviess	885	11,108	2.20	9.34	177.4	39.41
Knox	22	10,850	.52	7.57	173.6	37.67
Wyoming	953	8,810	.36	5.17	179.0	31.54
Campbell	953	8,810	.36	5.17	179.0	31.54
Wisconsin Power & Light Co Nelson Dewey	**511**	**10,689**	**.84**	**4.45**	**135.0**	**28.87**
Indiana	218	11,683	1.47	5.15	135.4	31.65
Spencer	218	11,683	1.47	5.15	135.4	31.65
Montana	254	9,334	.31	3.89	128.7	24.02
Big Horn	254	9,334	.31	3.89	128.7	24.02
Virginia	39	13,927	.78	4.14	160.6	44.75
Buchanan	39	13,927	.78	4.14	160.6	44.75
Wisconsin Power & Light Co Rock River	**222**	**10,843**	**1.55**	**7.28**	**180.4**	**39.11**

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 49. Origin of Coal Received by Company and Plant, 1989 (Continued)

Company 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 Power & Light Co Rock River						
Indiana	162	11,224	1.99	8.57	186.2	41.79
Daviess	121	11,076	2.22	9.56	193.2	42.79
Spencer	41	11,661	1.32	5.63	166.5	38.82
Montana	54	9,363	.31	3.77	158.3	29.65
Big Horn	54	9,363	.31	3.77	158.3	29.65
Virginia	6	13,916	.80	4.08	187.9	52.29
Buchanan	6	13,916	.80	4.08	187.9	52.29
Wisconsin Public Service Corp Pulliam	**660**	**11,144**	**1.97**	**9.54**	**194.9**	**43.43**
Indiana	621	11,056	2.06	9.47	197.4	43.65
Daviess	621	11,056	2.06	9.47	197.4	43.65
Kentucky	39	12,553	.62	10.60	159.0	39.92
Pike	39	12,553	.62	10.60	159.0	39.92
Wisconsin Public Service Corp Weston	**1,495**	**9,335**	**.50**	**5.60**	**191.3**	**35.71**
Indiana	236	11,180	.97	7.97	207.0	46.28
Daviess	236	11,180	.97	7.97	207.0	46.28
West Virginia	48	13,567	2.38	7.46	168.3	45.66
Marion	48	13,567	2.38	7.46	168.3	45.66
Wyoming	1,211	8,807	.34	5.06	188.8	33.26
Campbell	1,211	8,807	.34	5.06	188.8	33.26
Wyandotte Municipal Serv Comm Wyandotte	**119**	**13,421**	**.74**	**5.81**	**191.1**	**51.30**
West Virginia	119	13,421	.74	5.81	191.1	51.30
Boone	119	13,421	.74	5.81	191.1	51.30
Total	**753,217**	**10,425**	**1.33**	**9.93**	**144.5**	**30.12**

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 Plant Level

This section presents data on the quantity, quality, and cost of fossil fuels received by electric generating plants. The fuels received by these plants are described by amount (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 by the utility (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 content.

The coal data in Table 51 include bituminous, subbituminous, lignite, anthracite, and small quantities of petroleum coke. The petroleum data in Table 51 include an aggregation of data for Fuel Oil Number 2 (light oil), Fuel Oil Number 4 and Fuel Oil Number 5 (blends of Fuel Oil Number 2 and Fuel Oil Number 6, heavy oil). These fuels are used for startup and flame stabilization and as a primary fuel in some smaller oil-fired units. Fuel Oil Number 6, a heavy oil used as the primary fuel in large oil-fired units, re-refined motor oil, and liquefied petroleum gas are also included. The gas data include natural gas, coke-oven gas, blast-furnace gas, and refinery gas. Any nonzero quantity of fossil fuel less than 50 short tons, 50 barrels, or 50 cubic feet is represented in the tables by an asterisk.

The following companies 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 steam plant. Large quantities of this coal are then shipped to the Barry steam plant approximately 250 miles to the south, and the Greene plant. Transportation costs for coal shipped from the Gorgas plant to either the Barry plant or the Greene plant are not included in this report. Most coal delivered to the Barry plant and the Greene plant is reported as receipts to the Gorgas plant.

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. Storage facilities 1, 2, and 5 are located in New Jersey. Storage facilities 3, 4, and 6 are located in New York.

Deepwater Operating Company. Coal receipts are reported only for the one coal-fired unit at the Deepwater plant that is owned by the company. Data on units owned by the Dupont Chemical Company are not included in this report.

Detroit Edison. The low gas price is the result of the purchase of large quantities of Blast-Furnace gas by the company.

Florida Power Corporation. Approximately one-half of the coal reported for the Crystal River plant includes the cost of transportation to the plant. All other coal is shown as delivered to transfer facilities in Kentucky, West Virginia, and Louisiana. These receipts, although shown in this publication as being delivered to Crystal River, do not include any transportation cost from these transfer facilities to Crystal River. Therefore, the average cost shown is not the actual delivered cost.

Tampa Electric. Transportation costs (approximately $5.00 per short ton) for coal shipped from the New Orleans loading facility to the Big Bend plant are not included in this report.

Tennessee Valley Authority. The price of coal delivered to Tennessee Valley Authority (TVA) reflects the actual cost of coal in 1989. Adjustments reported monthly by the TVA are not included.

Texas Utilities Electric Company. Coal receipts and costs are only reported for the one unit (Unit 4) at the Sandow Plant that is owned and operated by the company. Data for Units 1, 2, and 3, owned by Alcoa, are not reported.

A list of all holding companies in this chapter can be found in the section "Coal Origin-by-Destination Data." Table A2 in Appendix A contains a listing of the electric utilities that submit the FERC Form 423 by State.

Table 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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	**603**	**11,683**	**1.21**	**13.29**	**179.9**	**42.02**	**547**	**11,986**	**1.67**	**11.69**	**145.9**	**34.97**
Lowman (AL)	603	11,683	1.21	13.29	179.9	42.02	547	11,986	1.67	11.69	145.9	34.97
Alabama Power Co	**13,208**	**12,182**	**1.32**	**12.32**	**207.1**	**50.45**	**1,086**	**12,063**	**1.50**	**12.12**	**145.5**	**35.10**
Barry (AL)	489	12,750	.90	10.81	229.4	58.50	392	12,120	.83	12.00	152.7	37.02
Gadsden (AL)	55	12,637	2.02	11.74	196.5	49.66	-	-	-	-	-	-
Gorgas 2 and 3 (AL)	5,011	11,881	1.19	13.51	184.9	43.94	361	12,002	2.09	12.96	140.3	33.68
Greene (AL)	1,014	12,540	1.54	10.86	205.5	51.53	84	11,890	1.63	10.42	139.6	33.19
Gaston (AL)	3,763	12,248	2.05	11.99	190.7	46.70	249	12,119	1.66	11.69	143.5	34.77
James Miller (AL)	2,876	12,389	.58	11.44	262.1	64.95	-	-	-	-	-	-
Ames City of	**168**	**8,794**	**.21**	**4.54**	**124.1**	**21.83**	**-**	**-**	**-**	**-**	**-**	**-**
Ames (IA)	168	8,794	.21	4.54	124.1	21.83	-	-	-	-	-	-
Appalachian Power Co	**7,719**	**12,464**	**.75**	**11.13**	**170.1**	**42.40**	**3,113**	**12,266**	**.78**	**11.41**	**110.1**	**27.01**
Clinch River (VA)	1,308	12,577	.74	12.80	139.0	34.96	314	12,438	.88	10.50	123.1	30.63
Glen Lyn (VA)	277	12,727	.82	9.76	199.6	50.81	292	12,815	.80	8.96	129.4	33.17
Amos (WV)	3,818	12,374	.77	10.95	173.9	43.03	1,573	12,171	.78	11.97	99.3	24.18
Kanawha River (WV)	264	12,854	.77	9.95	159.4	40.97	327	12,192	.84	11.94	95.9	23.38
Mountaineer (WV)	2,052	12,473	.71	10.73	180.4	45.01	607	12,197	.67	11.31	129.0	31.46
Arizona Electric Pwr Coop Inc	**833**	**11,885**	**.43**	**15.88**	**171.0**	**40.66**	**-**	**-**	**-**	**-**	**-**	**-**
Apache (AZ)	833	11,885	.43	15.88	171.0	40.66	-	-	-	-	-	-
Arizona Public Service Co	**11,927**	**9,109**	**.68**	**19.55**	**119.8**	**21.82**	**-**	**-**	**-**	**-**	**-**	**-**
Cholla (AZ)	3,582	9,984	.44	13.34	153.9	30.73	-	-	-	-	-	-
Four Corners (NM)	8,345	8,734	.78	22.21	103.1	18.00	-	-	-	-	-	-
Arkansas Power & Light Co	**9,854**	**8,771**	**.34**	**5.35**	**163.7**	**28.71**	**-**	**-**	**-**	**-**	**-**	**-**
Whitebluff (AR)	4,946	8,733	.48	5.82	175.2	30.60	-	-	-	-	-	-
Independence (AR)	4,908	8,808	.20	4.88	152.2	26.82	-	-	-	-	-	-
Associated Electric Coop Inc	**5,028**	**10,682**	**3.61**	**10.11**	**136.1**	**29.07**	**34**	**8,455**	**.23**	**5.28**	**123.5**	**20.88**
Madrid (MO)	2,610	10,734	3.13	10.65	129.8	27.86	34	8,455	.23	5.28	123.5	20.88
Hill (MO)	2,417	10,626	4.13	9.52	142.9	30.38	-	-	-	-	-	-
Atlantic City Electric Co	**556**	**13,049**	**2.61**	**9.04**	**177.9**	**46.42**	**147**	**13,156**	**2.21**	**7.30**	**175.3**	**46.13**
England (NJ)	556	13,049	2.61	9.04	177.9	46.42	147	13,156	2.21	7.30	175.3	46.13
Baltimore Gas & Electric Co	**2,044**	**12,948**	**.99**	**8.22**	**155.4**	**40.24**	**1,078**	**12,794**	**.85**	**7.87**	**169.4**	**43.36**
Brandon Shores (MD)	1,323	12,831	.72	8.46	155.7	39.96	464	12,745	.67	8.18	167.2	42.62
Crane (MD)	289	13,365	2.42	7.08	153.0	40.91	176	13,073	1.53	6.56	181.9	47.55
Wagner (MD)	432	13,027	.85	8.25	156.0	40.65	438	12,733	.78	8.06	166.7	42.45
Basin Electric Power Coop	**13,436**	**7,487**	**.53**	**7.13**	**66.1**	**9.89**	**-**	**-**	**-**	**-**	**-**	**-**
Leland Olds (ND)	1,840	6,637	.77	8.65	92.8	12.32	-	-	-	-	-	-
Laramie River (WY)	6,314	8,411	.35	5.25	60.8	10.23	-	-	-	-	-	-
Antelope Valley (ND)	5,283	6,677	.67	8.85	64.8	8.65	-	-	-	-	-	-
Big Rivers Electric Corp	**4,589**	**11,100**	**3.49**	**12.72**	**121.1**	**26.89**	**30**	**10,829**	**2.30**	**9.20**	**87.4**	**18.93**
Coleman (KY)	1,116	11,243	2.39	8.53	112.6	25.32	30	10,829	2.30	9.20	87.4	18.93
Reid-Henderson (KY)	785	11,989	2.62	8.22	118.8	28.49	-	-	-	-	-	-
R D Green (KY)	1,525	10,475	4.25	16.16	111.5	23.35	-	-	-	-	-	-
Wilson (KY)	1,163	11,182	4.14	15.28	142.9	31.96	-	-	-	-	-	-
Cajun Electric Power Coop Inc	**4,860**	**8,583**	**.41**	**5.34**	**159.2**	**27.33**	**-**	**-**	**-**	**-**	**-**	**-**
Big Cajun No.2 (LA)	4,860	8,583	.41	5.34	159.2	27.33	-	-	-	-	-	-
Cardinal Operating Co	**4,191**	**11,719**	**2.17**	**13.68**	**146.2**	**34.27**	**253**	**11,901**	**3.19**	**12.85**	**108.3**	**25.78**
Cardinal (OH)	4,191	11,719	2.17	13.68	146.2	34.27	253	11,901	3.19	12.85	108.3	25.78
Carolina Power & Light Co	**8,114**	**12,552**	**.89**	**9.98**	**178.6**	**44.83**	**1,216**	**12,602**	**.95**	**9.48**	**157.9**	**39.80**
Asheville (NC)	711	13,434	1.12	8.25	135.6	36.44	87	12,907	1.09	9.55	145.2	37.49

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

Table 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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												
Cape Fear (NC)	273	12,688	1.18	9.12	194.4	49.34	129	12,439	1.08	10.90	161.4	40.16
Lee (NC)	185	12,631	1.08	8.69	207.4	52.38	130	12,763	.93	9.39	163.5	41.73
Roxboro (NC)	4,759	12,577	.89	9.55	181.1	45.55	327	12,759	.86	8.73	149.4	38.13
Sutton (NC)	415	12,605	1.08	11.48	186.2	46.94	241	12,565	.93	9.35	169.3	42.53
Weatherspoon (NC)	117	12,503	1.13	11.35	173.3	43.34	35	12,545	.86	9.26	168.6	42.30
Robinson (SC)	30	12,526	1.42	10.62	199.4	49.95	158	12,072	1.19	10.62	165.2	39.89
Mayo (NC)	1,623	12,051	.64	11.80	183.5	44.23	109	12,761	.65	8.80	144.9	36.97
Cedar Falls City of	-	-	-	-	-	-	**24**	**11,087**	**2.30**	**9.29**	**135.7**	**30.09**
Streeter (IA)	-	-	-	-	-	-	24	11,087	2.30	9.29	135.7	30.09
Central Electric Pwr Coop-MO	-	-	-	-	-	-	**117**	**10,885**	**3.29**	**11.15**	**123.3**	**26.83**
Chamois (MO)	-	-	-	-	-	-	117	10,885	3.29	11.15	123.3	26.83
Central Hudson Gas & Elec Corp	**826**	**13,089**	**.57**	**7.88**	**195.5**	**51.18**	**29**	**13,312**	**.67**	**7.50**	**180.2**	**47.98**
Danskammer (NY)	826	13,089	.57	7.88	195.5	51.18	29	13,312	.67	7.50	180.2	47.98
Central Illinois Light Co	**1,830**	**11,799**	**2.18**	**7.28**	**181.0**	**42.72**	**410**	**12,184**	**1.40**	**7.61**	**158.8**	**38.69**
Edwards (IL)	844	13,316	.68	5.71	180.8	48.16	410	12,184	1.40	7.61	158.8	38.69
Duck Creek (IL)	986	10,501	3.47	8.62	181.2	38.06	-	-	-	-	-	-
Central Illinois Pub Serv Co	**4,275**	**11,072**	**2.79**	**9.17**	**159.5**	**35.32**	**118**	**11,297**	**.47**	**9.79**	**178.1**	**40.24**
Coffeen (IL)	1,707	10,553	3.63	9.04	158.0	33.35	-	-	-	-	-	-
Grand Tower (IL)	111	11,660	2.98	11.32	158.5	36.96	-	-	-	-	-	-
Hutsonville (IL)	206	11,449	2.48	8.75	135.9	31.12	-	-	-	-	-	-
Meredosia (IL)	425	11,442	2.59	5.13	159.9	36.59	-	-	-	-	-	-
Newton (IL)	1,827	11,392	2.06	10.13	163.5	37.24	118	11,297	.47	9.79	178.1	40.24
Central Iowa Power Coop	**76**	**10,850**	**2.97**	**10.51**	**115.0**	**24.95**	**76**	**10,928**	**3.01**	**10.26**	**101.3**	**22.15**
Fair Station (IA)	76	10,850	2.97	10.51	115.0	24.95	76	10,928	3.01	10.26	101.3	22.15
Central Louisiana Elec Co Inc	**4,535**	**7,601**	**.52**	**9.70**	**153.2**	**23.30**	**248**	**6,913**	**.60**	**11.40**	**131.1**	**18.13**
Dolet Hills (LA)	2,733	6,853	.54	12.25	127.1	17.42	248	6,913	.60	11.40	131.1	18.13
Rodemacher (LA)	1,802	8,735	.50	5.83	184.4	32.21	-	-	-	-	-	-
Central Operating Co	**1,089**	**12,367**	**1.12**	**11.02**	**169.3**	**41.88**	**702**	**11,956**	**1.19**	**12.25**	**119.6**	**28.61**
Sporn (WV)	1,089	12,367	1.12	11.02	169.3	41.88	702	11,956	1.19	12.25	119.6	28.61
Central Power & Light Co	**1,668**	**10,787**	**.38**	**5.13**	**217.6**	**46.93**	**87**	**12,079**	**.62**	**6.05**	**169.7**	**40.98**
Coleto Creek (TX)	1,668	10,787	.38	5.13	217.6	46.93	87	12,079	.62	6.05	169.7	40.98
Century Power Corp	**1,360**	**9,517**	**.68**	**15.09**	**186.5**	**35.50**	-	-	-	-	-	-
Springerville (AZ)	1,360	9,517	.68	15.09	186.5	35.50	-	-	-	-	-	-
Cincinnati Gas & Electric Co	**5,121**	**11,570**	**1.60**	**12.28**	**160.3**	**37.10**	**1,428**	**11,441**	**2.11**	**11.27**	**105.7**	**24.19**
Beckjord (OH)	1,668	11,428	1.47	13.39	162.2	37.07	348	11,332	2.70	11.98	98.4	22.30
Miami Fort (OH)	2,284	11,705	1.61	11.37	160.3	37.52	726	11,637	1.81	10.64	112.9	26.27
East Bend (KY)	1,169	11,506	1.77	12.46	157.9	36.33	354	11,147	2.12	11.88	97.7	21.78
Cleveland Electric Illum Co	**2,860**	**12,336**	**3.07**	**10.03**	**166.9**	**41.18**	**2,664**	**12,740**	**2.32**	**8.81**	**132.9**	**33.86**
Ashtabula (OH)	551	12,178	3.95	10.55	173.6	42.27	550	12,774	2.25	7.99	127.8	32.64
Avon Lake (OH)	1,194	12,381	2.41	9.83	149.4	37.00	593	12,520	2.40	9.42	134.1	33.59
Eastlake (OH)	937	12,274	3.87	10.80	174.4	42.82	1,349	12,778	2.51	9.17	131.4	33.58
Lake Shore (OH)	177	12,854	.62	5.66	222.7	57.25	172	13,090	.71	6.42	156.0	40.84
Colorado Springs City of	**1,098**	**10,580**	**.37**	**6.74**	**171.4**	**36.26**	**333**	**10,798**	**.46**	**7.25**	**93.2**	**20.13**
Drake (CO)	636	10,613	.37	6.08	170.1	36.10	92	11,092	.39	6.08	100.3	22.25
Nixon (CO)	462	10,533	.36	7.64	173.2	36.48	240	10,685	.49	7.70	90.4	19.31
Colorado Ute Electric Assn Inc	**5,232**	**10,309**	**.41**	**8.21**	**97.4**	**20.08**	**702**	**10,497**	**.38**	**6.54**	**85.1**	**17.86**
Hayden (CO)	1,597	10,664	.45	10.54	77.6	16.56	-	-	-	-	-	-
Nucla (CO)	171	10,276	.63	18.16	121.9	25.06	-	-	-	-	-	-
Craig (CO)	3,463	10,147	.38	6.64	105.7	21.46	702	10,497	.38	6.54	85.1	17.86

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

Table 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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)
Columbia City of	**40**	**10,766**	**3.69**	**11.35**	**155.3**	**33.44**	**1**	**14,020**	**0.60**	**5.43**	**212.0**	**59.44**
Columbia (MO)	40	10,766	3.69	11.35	155.3	33.44	1	14,020	.60	5.43	212.0	59.44
Columbus Southern Power Co	**3,252**	**11,872**	**2.99**	**7.73**	**160.8**	**38.18**	**627**	**11,294**	**3.86**	**10.69**	**93.0**	**21.01**
Conesville (OH)	3,160	11,881	3.00	7.66	162.0	38.49	540	11,271	3.99	10.78	92.0	20.73
Picway (OH)	92	11,547	2.71	10.05	119.8	27.67	86	11,440	3.03	10.12	99.6	22.78
Columbus City of	**-**	**-**	**-**	**-**	**-**	**-**	**61**	**12,476**	**.72**	**7.28**	**152.3**	**38.01**
Refuse & Coal (OH)	-	-	-	-	-	-	61	12,476	.72	7.28	152.3	38.01
Commonwealth Edison Co	**8,516**	**9,683**	**1.13**	**7.25**	**254.1**	**49.21**	**-**	**-**	**-**	**-**	**-**	**-**
Crawford (IL)	352	9,450	.43	8.30	308.1	58.23	-	-	-	-	-	-
Joliet (IL)	1,805	9,479	.43	7.82	289.4	54.86	-	-	-	-	-	-
Kincaid (IL)	2,029	10,205	3.44	9.83	148.7	30.36	-	-	-	-	-	-
Powerton (IL)	2,421	9,589	.36	4.22	280.3	53.76	-	-	-	-	-	-
Waukegan (IL)	673	9,467	.46	8.43	276.6	52.37	-	-	-	-	-	-
Will County (IL)	812	9,478	.43	7.50	311.0	58.95	-	-	-	-	-	-
Fisk (IL)	247	9,498	.47	8.23	312.2	59.30	-	-	-	-	-	-
State Line (IN)	177	9,574	.36	4.33	295.6	56.60	-	-	-	-	-	-
Consumers Power Co	**4,126**	**12,432**	**.76**	**9.70**	**193.6**	**48.13**	**2,906**	**11,514**	**.72**	**9.43**	**154.6**	**35.61**
Cobb (MI)	441	12,465	.75	9.10	207.2	51.66	608	10,444	.63	7.25	144.1	30.09
Karn-Weadock (MI)	453	12,433	.81	9.41	188.9	46.96	611	11,943	.79	10.28	158.6	37.88
Campbell (MI)	2,416	12,462	.74	9.77	193.3	48.17	935	11,662	.69	9.75	160.0	37.31
Weadock (MI)	193	12,442	.83	9.25	187.7	46.71	511	11,588	.73	9.48	150.8	34.96
Whiting (MI)	623	12,289	.81	10.18	190.2	46.74	241	12,393	.86	11.35	155.3	38.50
Coop Power Assn	**6,778**	**6,277**	**.65**	**10.59**	**71.5**	**8.98**	**316**	**6,279**	**.63**	**10.12**	**47.8**	**6.00**
Coal Creek (ND)	6,778	6,277	.65	10.59	71.5	8.98	316	6,279	.63	10.12	47.8	6.00
Dairyland Power Coop	**1,578**	**9,585**	**1.06**	**6.16**	**137.7**	**26.40**	**658**	**9,368**	**.97**	**5.90**	**115.1**	**21.56**
Alma-Madgett (WI)	1,212	9,146	.53	5.12	139.1	25.45	177	8,541	.36	4.93	99.7	17.04
Genoa No.3 (WI)	334	10,887	2.97	9.96	132.7	28.88	480	9,662	1.20	6.24	120.0	23.18
Stoneman (WI)	31	12,699	1.24	6.01	144.9	36.79	2	12,969	.82	9.40	136.7	35.46
Dayton Power & Light Co	**3,297**	**11,933**	**1.17**	**12.52**	**188.9**	**45.08**	**5,406**	**11,627**	**1.29**	**13.47**	**117.3**	**27.28**
Hutchings (OH)	8	11,914	.62	14.00	197.1	46.96	135	12,126	.77	11.04	150.5	36.50
Stuart (OH)	2,607	11,790	1.31	12.96	194.4	45.85	4,217	11,404	1.42	14.42	113.6	25.90
Killen (OH)	682	12,480	.61	10.82	168.7	42.10	1,054	12,456	.84	9.96	126.9	31.62
Deepwater Operating Co	**173**	**13,073**	**.81**	**8.19**	**175.5**	**45.88**	**-**	**-**	**-**	**-**	**-**	**-**
Deepwater (NJ)	173	13,073	.81	8.19	175.5	45.88	-	-	-	-	-	-
Delmarva Power & Light Co	**1,695**	**12,954**	**1.02**	**8.94**	**181.6**	**47.06**	**222**	**12,865**	**1.23**	**9.34**	**161.4**	**41.53**
Edgemoor (DE)	600	13,165	.81	8.06	196.1	51.63	-	-	-	-	-	-
Indian River (DE)	1,095	12,838	1.13	9.42	173.5	44.55	222	12,865	1.23	9.34	161.4	41.53
Deseret Generation & Tran Coop	**1,343**	**10,776**	**.44**	**8.71**	**239.8**	**51.68**	**-**	**-**	**-**	**-**	**-**	**-**
Bonanza (UT)	1,343	10,776	.44	8.71	239.8	51.68	-	-	-	-	-	-
Detroit Edison Co	**16,405**	**10,980**	**.59**	**5.64**	**173.5**	**38.11**	**1,923**	**10,746**	**.71**	**5.99**	**132.1**	**28.39**
Harbor Beach (MI)	98	13,385	.82	6.91	222.1	59.47	-	-	-	-	-	-
Monroe (MI)	6,066	12,341	.83	6.54	187.0	46.16	1,065	11,023	.66	6.09	130.9	28.86
River Rouge (MI)	975	12,486	.74	10.04	183.6	45.84	70	11,159	.54	9.32	141.0	31.48
St Clair (MI)	4,230	9,608	.39	4.27	151.7	29.14	397	10,356	1.11	6.07	129.5	26.82
Trenton Channel (MI)	1,124	12,297	.72	7.24	211.9	52.11	141	12,114	.71	6.92	165.3	40.06
Belle River (MI)	3,912	9,539	.34	4.16	151.1	28.82	250	9,295	.32	4.00	115.1	21.39
Duke Power Co	**7,358**	**12,496**	**.95**	**10.07**	**184.9**	**46.21**	**2,214**	**12,469**	**.93**	**9.59**	**153.0**	**38.15**
Allen (NC)	802	12,522	.95	11.28	183.5	45.95	-	-	-	-	-	-
Buck (NC)	10	12,588	1.05	11.80	201.6	50.75	85	12,649	.85	8.43	161.8	40.94
Cliffside (NC)	268	12,606	1.02	9.27	191.4	48.25	398	12,551	.92	9.57	144.5	36.27
Dan River (NC)	-	-	-	-	-	-	132	12,624	.85	8.81	163.1	41.19

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

Table 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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)
Duke Power Co												
Marshall (NC)	2,233	12,489	0.99	10.76	186.7	46.65	863	12,453	0.96	9.75	151.3	37.69
Riverbend (NC)	56	12,626	1.03	9.07	192.9	48.70	32	11,980	.93	11.62	147.0	35.23
Lee (SC)	18	12,738	1.09	8.45	204.5	52.10	283	12,292	.92	10.28	161.2	39.64
Belews Creek (NC)	3,971	12,483	.92	9.51	183.5	45.81	421	12,496	.91	9.14	154.2	38.55
Duquesne Light Co	**1,308**	**12,350**	**1.53**	**12.14**	**135.2**	**33.38**	**1,206**	**12,159**	**1.85**	**13.11**	**109.3**	**26.59**
Elrama (PA)	278	12,490	1.77	11.55	129.0	32.22	780	12,066	1.92	13.52	105.2	25.38
Cheswick (PA)	1,030	12,312	1.46	12.30	136.8	33.70	426	12,329	1.73	12.37	116.8	28.80
East Kentucky Power Coop	**975**	**11,863**	**1.50**	**12.48**	**113.6**	**26.94**	**1,403**	**12,145**	**.90**	**11.02**	**111.8**	**27.15**
Cooper (KY)	353	11,874	1.36	12.10	120.4	28.58	252	12,339	1.57	9.86	107.0	26.41
Dale (KY)	-	-	-	-	-	-	200	12,203	.78	9.75	113.1	27.60
Spurlock (KY)	622	11,857	1.57	12.69	109.7	26.01	952	12,081	.75	11.59	112.8	27.24
Electric Energy Inc	**1,463**	**11,695**	**1.92**	**8.25**	**150.0**	**35.09**	**970**	**11,125**	**1.92**	**8.89**	**113.6**	**25.27**
Joppa (IL)	1,463	11,695	1.92	8.25	150.0	35.09	970	11,125	1.92	8.89	113.6	25.27
Empire District Electric Co	**971**	**9,519**	**3.87**	**18.61**	**105.0**	**20.00**	**176**	**12,051**	**2.49**	**11.60**	**116.0**	**27.96**
Riverton (KS)	169	8,787	.21	4.52	117.1	20.57	128	12,040	2.16	11.29	116.2	27.99
Asbury (MO)	802	9,673	4.64	21.58	102.7	19.88	48	12,080	3.36	12.43	115.4	27.89
Florida Power Corp	**4,789**	**12,628**	**.83**	**8.64**	**177.0**	**44.71**	**875**	**12,632**	**.84**	**8.89**	**158.0**	**39.92**
Crystal River (FL)	4,789	12,628	.83	8.64	177.0	44.71	875	12,632	.84	8.89	158.0	39.92
Fremont City of	**80**	**12,319**	**.56**	**7.54**	**181.8**	**44.80**	**42**	**8,782**	**.47**	**5.61**	**84.9**	**14.91**
Wright (NE)	80	12,319	.56	7.54	181.8	44.80	42	8,782	.47	5.61	84.9	14.91
Gainesville Regional Utilities	**429**	**13,052**	**.64**	**5.85**	**172.1**	**44.94**	**87**	**13,139**	**.76**	**6.50**	**183.8**	**48.29**
Deerhaven (FL)	429	13,052	.64	5.85	172.1	44.94	87	13,139	.76	6.50	183.8	48.29
Georgia Power Co	**19,048**	**12,082**	**1.73**	**10.11**	**182.3**	**44.06**	**5,425**	**12,065**	**1.62**	**10.42**	**148.9**	**35.93**
Arkwright (GA)	-	-	-	-	-	-	219	12,563	2.00	10.88	156.8	39.40
Atkinson-Mcdonough (GA)	1,070	11,838	2.59	10.03	167.5	39.66	55	11,957	2.08	10.37	135.9	32.49
Bowen (GA)	7,241	12,210	1.41	10.83	170.8	41.72	601	12,205	1.35	11.09	140.3	34.26
Hammond (GA)	851	12,965	1.64	9.65	178.8	46.35	1,009	12,271	1.99	11.23	148.8	36.51
Harllee Branch (GA)	1,845	12,682	1.14	9.36	195.6	49.61	2,372	12,156	1.45	10.47	152.0	36.95
Mitchell (GA)	214	12,551	1.40	10.12	218.5	54.84	94	12,460	1.38	9.89	172.1	42.88
Yates (GA)	1,835	11,911	2.21	9.87	179.8	42.83	480	12,199	1.98	10.75	146.1	35.65
Wansley (GA)	4,145	11,384	2.63	9.13	183.2	41.70	542	11,023	1.59	8.23	138.0	30.42
Scherer (GA)	1,845	12,395	.68	10.68	219.5	54.42	54	9,348	.32	4.13	181.1	33.86
Grand Haven City of	**87**	**10,936**	**2.54**	**10.24**	**163.1**	**35.68**	**100**	**11,183**	**2.42**	**9.79**	**142.7**	**31.92**
J B Simms (MI)	87	10,936	2.54	10.24	163.1	35.68	100	11,183	2.42	9.79	142.7	31.92
Grand Island City of	**-**	**-**	**-**	**-**	**-**	**-**	**304**	**8,430**	**.35**	**5.19**	**67.6**	**11.40**
Platte (NE)	-	-	-	-	-	-	304	8,430	.35	5.19	67.6	11.40
Grand River Dam Authority	**3,381**	**8,466**	**.42**	**5.08**	**97.6**	**16.52**	**488**	**8,634**	**.70**	**5.49**	**89.6**	**15.47**
GRDA No 1 (OK)	3,381	8,466	.42	5.08	97.6	16.52	488	8,634	.70	5.49	89.6	15.47
Gulf Power Co	**1,815**	**12,048**	**2.72**	**9.15**	**203.2**	**48.97**	**930**	**12,284**	**2.92**	**8.62**	**133.7**	**32.86**
Crist (FL)	1,319	12,064	2.73	9.19	202.5	48.85	489	12,151	2.98	8.55	125.6	30.52
Scholtz (FL)	-	-	-	-	-	-	341	12,428	2.79	8.45	146.6	36.44
Smith (FL)	496	12,005	2.71	9.04	205.3	49.29	100	12,445	3.03	9.52	128.9	32.07
Gulf States Utilities Co	**1,951**	**8,723**	**.50**	**5.91**	**193.7**	**33.80**	**-**	**-**	**-**	**-**	**-**	**-**
Nelson (LA)	1,951	8,723	.50	5.91	193.7	33.80	-	-	-	-	-	-
Hamilton City of	**118**	**12,361**	**.67**	**9.47**	**140.2**	**34.65**	**-**	**-**	**-**	**-**	**-**	**-**
Hamilton (OH)	118	12,361	.67	9.47	140.2	34.65	-	-	-	-	-	-
Hastings City of	**76**	**8,806**	**.23**	**4.73**	**109.5**	**19.29**	**154**	**8,765**	**.21**	**4.39**	**74.0**	**12.97**
Hastings (NE)	76	8,806	.23	4.73	109.5	19.29	154	8,765	.21	4.39	74.0	12.97

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

Table 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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)
Holland City of	**163**	**13,270**	**0.85**	**6.32**	**169.0**	**44.85**	**-**	**-**	**-**	**-**	**-**	**-**
James De Young (MI)	163	13,270	.85	6.32	169.0	44.85	-	-	-	-	-	-
Holyoke Water Power Co	**-**	**-**	**-**	**-**	**-**	**-**	**418**	**13,049**	**1.28**	**6.56**	**172.4**	**44.99**
Mount Tom (MA)	-	-	-	-	-	-	418	13,049	1.28	6.56	172.4	44.99
Hoosier Energy R E C Inc	**1,856**	**11,008**	**3.57**	**11.38**	**130.5**	**28.74**	**1,372**	**10,951**	**3.18**	**11.70**	**80.4**	**17.62**
Frank E Ratts (IN)	680	11,075	2.92	10.19	139.7	30.94	-	-	-	-	-	-
Merom (IN)	1,176	10,970	3.95	12.06	125.2	27.47	1,372	10,951	3.18	11.70	80.4	17.62
Houston Lighting & Power Co	**11,999**	**7,479**	**.71**	**11.38**	**195.9**	**29.31**	**5,435**	**7,450**	**.72**	**11.55**	**205.1**	**30.56**
Limestone (TX)	5,513	6,357	1.05	18.07	138.6	17.62	2,592	6,378	1.06	17.76	152.4	19.44
Parish (TX)	6,486	8,433	.41	5.68	232.7	39.24	2,843	8,427	.41	5.89	241.5	40.70
Illinois Power Co	**5,907**	**11,120**	**2.56**	**9.65**	**146.8**	**32.64**	**332**	**12,041**	**.69**	**8.55**	**146.0**	**35.16**
Baldwin (IL)	4,082	10,931	2.90	10.15	147.7	32.28	-	-	-	-	-	-
Havana (IL)	330	12,927	.71	7.15	149.0	38.53	190	12,453	.63	9.04	135.4	33.73
Hennepin (IL)	584	10,793	2.84	10.43	143.2	30.91	-	-	-	-	-	-
Vermilion (IL)	414	10,724	2.27	11.24	119.2	25.56	10	10,656	1.65	10.90	113.8	24.25
Wood River (IL)	497	12,183	.96	4.97	162.5	39.61	131	11,549	.69	7.66	164.8	38.06
Independence City of	**17**	**12,356**	**3.46**	**11.35**	**159.9**	**39.51**	**-**	**-**	**-**	**-**	**-**	**-**
Blue Valley (MO)	17	12,356	3.46	11.35	159.9	39.51	-	-	-	-	-	-
Indiana Michigan Power Co	**6,533**	**9,464**	**1.06**	**6.76**	**151.1**	**28.61**	**1,385**	**9,032**	**.82**	**5.73**	**117.6**	**21.25**
Breed (IN)	727	10,890	3.86	11.28	144.8	31.54	28	10,857	4.01	11.18	97.5	21.18
Tanners Creek (IN)	1,559	11,742	1.68	9.00	181.6	42.64	202	11,366	2.74	9.44	112.5	25.58
Rockport (IN)	4,246	8,384	.34	5.16	136.9	22.95	1,156	8,581	.40	4.95	119.4	20.49
Indiana-Kentucky Electric Corp	**2,722**	**11,659**	**3.44**	**11.25**	**104.7**	**24.41**	**1,111**	**11,180**	**3.39**	**10.42**	**90.9**	**20.33**
Clifty Creek (IN)	2,722	11,659	3.44	11.25	104.7	24.41	1,111	11,180	3.39	10.42	90.9	20.33
Indianapolis Power & Light Co	**4,958**	**11,193**	**2.23**	**8.02**	**110.3**	**24.70**	**467**	**11,212**	**1.98**	**8.02**	**82.5**	**18.50**
Stout (IN)	1,033	11,169	1.82	8.38	131.7	29.41	-	-	-	-	-	-
Pritchard (IN)	279	11,319	1.98	7.38	121.5	27.50	-	-	-	-	-	-
Petersburg (IN)	3,646	11,190	2.37	7.97	103.4	23.15	467	11,212	1.98	8.02	82.5	18.50
Interstate Power Co	**985**	**9,098**	**.99**	**5.79**	**207.2**	**37.70**	**471**	**11,097**	**2.73**	**9.77**	**106.2**	**23.57**
Dubuque (IA)	-	-	-	-	-	-	139	10,965	2.95	10.20	100.1	21.96
Lansing (IA)	732	8,398	.32	4.60	219.7	36.90	49	11,210	2.53	10.30	105.6	23.67
Kapp (IA)	252	11,130	2.92	9.25	179.7	40.01	214	11,042	2.91	9.82	99.7	22.02
Fox Lake (MN)	-	-	-	-	-	-	68	11,458	1.88	8.35	138.1	31.65
Iowa Electric Light & Power Co	**75**	**10,456**	**3.08**	**9.95**	**152.9**	**31.97**	**412**	**11,134**	**2.29**	**9.20**	**146.1**	**32.53**
6th St (IA)	6	10,843	2.15	9.59	146.2	31.70	52	11,136	2.29	9.00	145.5	32.41
Praire Creek (IA)	48	10,363	3.43	10.07	152.8	31.66	220	11,176	2.32	9.63	139.0	31.08
Sutherland (IA)	21	10,560	2.55	9.77	155.0	32.75	140	11,068	2.26	8.59	157.5	34.86
Iowa Power & Light Co	**2,034**	**8,348**	**.32**	**4.55**	**110.6**	**18.47**	**90**	**8,217**	**.30**	**4.62**	**79.8**	**13.11**
Council Bluffs (IA)	2,034	8,348	.32	4.55	110.6	18.47	90	8,217	.30	4.62	79.8	13.11
Iowa Public Service Co	**2,528**	**8,769**	**.45**	**6.02**	**112.0**	**19.64**	**1,493**	**8,408**	**.33**	**5.37**	**92.9**	**15.63**
George Neal 1-4 (IA)	2,528	8,769	.45	6.02	112.0	19.64	1,493	8,408	.33	5.37	92.9	15.63
Iowa Southern Utilities Co	**2,174**	**8,696**	**.61**	**5.82**	**118.3**	**20.57**	**648**	**9,348**	**1.26**	**6.97**	**93.5**	**17.49**
Burlington (IA)	276	10,972	2.55	9.47	112.0	24.58	237	10,955	2.90	9.95	109.4	23.96
Ottumwa (IA)	1,898	8,365	.33	5.29	119.4	19.98	411	8,420	.31	5.24	81.6	13.75
Iowa-Illinois Gas&Electric Co	**1,769**	**8,766**	**.52**	**5.65**	**122.9**	**21.55**	**825**	**8,371**	**.32**	**5.32**	**93.7**	**15.68**
Riverside (IA)	204	11,876	1.99	8.69	113.2	26.90	-	-	-	-	-	-
Louisa (IA)	1,565	8,360	.33	5.25	124.7	20.85	825	8,371	.32	5.32	93.7	15.68
Jacksonville Electric Auth	**2,144**	**12,325**	**.90**	**9.17**	**179.0**	**44.13**	**805**	**12,351**	**1.94**	**10.98**	**160.0**	**39.52**
St Johns River (FL)	2,144	12,325	.90	9.17	179.0	44.13	805	12,351	1.94	10.98	160.0	39.52

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

Table 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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)
Jamestown City of	-	-	-	-	-	-	103	12,737	1.55	10.86	131.5	33.49
Samuel A Carlson (NY)	-	-	-	-	-	-	103	12,737	1.55	10.86	131.5	33.49
Kansas City City of	1,117	8,888	0.76	6.25	123.1	21.88	197	10,437	.42	8.18	123.4	25.76
Kaw (KS)	27	11,555	2.79	13.03	199.1	46.00	10	10,388	.41	6.97	123.7	25.70
Quindaro (KS)	186	11,400	2.42	11.42	192.7	43.94	188	10,439	.42	8.24	123.4	25.76
Nearman (KS)	904	8,290	.36	4.98	100.2	16.61	-	-	-	-	-	-
Kansas City Power & Light Co	5,516	8,761	.67	6.37	99.0	17.35	2,449	9,318	1.04	6.51	100.8	18.79
La Cygne (KS)	2,123	8,679	1.23	8.40	118.0	20.48	768	10,754	2.52	9.55	115.3	24.79
Hawthorne (MO)	1,102	8,813	.23	4.75	95.5	16.83	209	8,798	.36	5.14	77.8	13.69
Montrose (MO)	-	-	-	-	-	-	1,087	8,703	.36	5.18	103.7	18.04
Iatan (MO)	2,292	8,811	.36	5.26	83.4	14.70	385	8,468	.34	4.94	69.0	11.69
Kansas Power & Light Co	9,072	8,752	.36	5.15	130.4	22.82	-	-	-	-	-	-
Lawrence (KS)	1,031	10,487	.52	7.90	129.3	27.12	-	-	-	-	-	-
Tecumseh (KS)	528	10,379	.51	7.71	129.0	26.79	-	-	-	-	-	-
Jeffrey Energy Cnt (KS)	7,513	8,399	.33	4.59	130.6	21.95	-	-	-	-	-	-
Kentucky Power Co	1,617	11,876	1.17	12.60	130.9	31.09	1,019	11,954	1.26	11.15	98.2	23.47
Big Sandy (KY)	1,617	11,876	1.17	12.60	130.9	31.09	1,019	11,954	1.26	11.15	98.2	23.47
Kentucky Utilities Co	1,246	12,761	1.20	8.96	155.4	39.65	3,858	11,757	1.94	9.87	103.3	24.30
Brown (KY)	487	12,223	1.76	11.79	109.1	26.68	826	11,964	2.36	10.94	103.1	24.66
Ghent (KY)	759	13,106	.84	7.15	183.0	47.97	2,526	11,674	1.76	9.81	103.4	24.13
Green River (KY)	-	-	-	-	-	-	451	11,813	2.28	8.08	101.7	24.03
Tyrone (KY)	-	-	-	-	-	-	56	12,000	.88	10.98	119.9	28.78
Lakeland City of	724	12,299	1.29	11.01	211.7	52.06	-	-	-	-	-	-
Plant 3-Mcintosh (FL)	724	12,299	1.29	11.01	211.7	52.06	-	-	-	-	-	-
Lansing City of	686	13,164	.88	6.81	190.3	50.10	480	12,826	.82	8.92	175.1	44.93
Eckert (MI)	451	13,178	.89	6.87	190.6	50.23	255	12,791	.82	9.00	175.7	44.94
Erickson (MI)	235	13,139	.88	6.68	189.8	49.87	220	12,856	.82	8.92	173.7	44.67
Ottawa (MI)	-	-	-	-	-	-	5	13,283	.88	4.59	211.5	56.19
Los Angeles City of	3,807	11,705	.52	8.02	153.6	35.95	853	12,221	.56	8.36	110.3	26.97
Intermountain (UT)	3,807	11,705	.52	8.02	153.6	35.95	853	12,221	.56	8.36	110.3	26.97
Louisville Gas & Electric Co	1,756	11,461	3.09	10.87	137.9	31.62	2,618	11,487	2.93	9.91	98.3	22.59
Cane Run (KY)	388	11,456	3.14	11.06	138.0	31.61	627	11,509	2.88	9.65	102.1	23.50
Mill Creek (KY)	1,368	11,463	3.08	10.81	137.9	31.62	1,990	11,480	2.94	10.00	97.1	22.30
Lower Colorado River Authority	5,784	8,673	.36	5.16	129.6	22.47	214	7,857	.62	6.90	123.0	19.32
S Seymour-Fayette (TX)	5,784	8,673	.36	5.16	129.6	22.47	214	7,857	.62	6.90	123.0	19.32
Madison Gas & Electric Co	110	12,091	2.09	7.64	160.9	38.90	12	12,960	.75	7.56	188.3	48.81
Blount (WI)	110	12,091	2.09	7.64	160.9	38.90	12	12,960	.75	7.56	188.3	48.81
Manitowoc City of	-	-	-	-	-	-	114	13,129	.85	7.32	178.0	46.73
Manitowoc (WI)	-	-	-	-	-	-	114	13,129	.85	7.32	178.0	46.73
Marquette City of	143	8,848	.52	6.20	189.4	33.51	-	-	-	-	-	-
Shiras (MI)	143	8,848	.52	6.20	189.4	33.51	-	-	-	-	-	-
Metropolitan Edison Co	523	13,322	1.59	6.64	173.5	46.22	563	13,104	1.70	8.52	161.6	42.35
Portland (PA)	173	13,259	1.89	7.16	167.8	44.50	406	13,157	1.84	8.23	161.3	42.44
Titus (PA)	350	13,354	1.44	6.38	176.3	47.07	157	12,966	1.32	9.27	162.4	42.11
Michigan South Central Pwr Agy	130	11,825	3.24	9.88	199.4	47.17	-	-	-	-	-	-
Project I (MI)	130	11,825	3.24	9.88	199.4	47.17	-	-	-	-	-	-
Minnesota Power & Light Co	3,277	8,678	.73	9.16	140.9	24.45	673	8,710	.68	9.01	108.7	18.94

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 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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)
Minnesota Power & Light Co												
Aurora-Syl Laskin (MN)	107	8,721	0.82	9.23	179.4	31.29	1	12,754	0.75	7.00	198.4	50.61
Boswell (MN)	3,170	8,677	.73	9.16	139.6	24.22	672	8,702	.68	9.01	108.5	18.88
Minnkota Power Coop Inc	**3,767**	**6,746**	**.75**	**7.43**	**48.6**	**6.56**	-	-	-	-	-	-
Young (ND)	3,767	6,746	.75	7.43	48.6	6.56	-	-	-	-	-	-
Mississippi Power Co	**2,057**	**12,839**	**1.55**	**7.39**	**165.6**	**42.52**	**666**	**12,331**	**2.28**	**7.69**	**136.5**	**33.67**
Watson (MS)	952	12,615	2.51	8.16	148.9	37.56	666	12,331	2.28	7.69	136.5	33.67
Daniel (MS)	1,105	13,031	.71	6.72	179.5	46.78	-	-	-	-	-	-
Missouri Public Service Comm	**469**	**11,012**	**3.16**	**10.19**	**172.6**	**38.02**	**327**	**10,879**	**2.94**	**10.12**	**133.2**	**28.99**
Sibley (MO)	469	11,012	3.16	10.19	172.6	38.02	327	10,879	2.94	10.12	133.2	28.99
Monongahela Power Co	**8,798**	**12,710**	**2.57**	**9.98**	**134.9**	**34.29**	**2,927**	**12,540**	**2.51**	**10.58**	**105.7**	**26.51**
Albright (WV)	442	12,410	1.66	13.00	114.5	28.41	295	12,275	1.54	12.58	95.3	23.39
Ft Martin (WV)	2,581	12,492	1.76	11.22	144.9	36.19	207	12,143	1.57	12.69	110.6	26.86
Harrison (WV)	3,787	13,103	3.06	7.87	136.6	35.80	947	13,087	2.99	8.14	104.0	27.23
Rivesville (WV)	25	12,809	.92	9.18	128.8	32.99	272	12,270	.89	12.82	120.6	29.60
Willow Island (WV)	202	12,477	1.29	10.11	124.4	31.05	298	12,621	1.34	8.55	118.5	29.92
Pleasants (WV)	1,760	12,286	3.09	11.93	122.5	30.10	908	12,200	3.40	11.98	101.1	24.66
Montana Power Co	**9,989**	**8,555**	**.66**	**9.50**	**56.8**	**9.72**	-	-	-	-	-	-
Corette (MT)	625	8,598	.61	8.05	69.2	11.89	-	-	-	-	-	-
Colstrip (MT)	9,364	8,552	.67	9.59	56.0	9.58	-	-	-	-	-	-
Montana-Dakota Utilities Co	**2,637**	**6,831**	**.95**	**8.53**	**80.7**	**11.03**	-	-	-	-	-	-
Heskett (ND)	439	6,964	1.02	9.39	105.0	14.62	-	-	-	-	-	-
Lewis and Clark (MT)	235	6,570	.54	8.01	102.9	13.53	-	-	-	-	-	-
Coyote (ND)	1,962	6,832	.98	8.40	72.6	9.93	-	-	-	-	-	-
Montaup Electric Co	**524**	**13,170**	**1.14**	**7.06**	**173.4**	**45.67**	-	-	-	-	-	-
Somerset (MA)	524	13,170	1.14	7.06	173.4	45.67	-	-	-	-	-	-
Muscatine City of	**536**	**11,166**	**3.00**	**6.68**	**192.4**	**42.95**	-	-	-	-	-	-
Muscatine (IA)	536	11,166	3.00	6.68	192.4	42.95	-	-	-	-	-	-
Nebraska Public Power District	**4,176**	**8,816**	**.37**	**5.18**	**90.3**	**15.91**	-	-	-	-	-	-
Sheldon (NE)	642	8,877	.40	5.19	82.9	14.72	-	-	-	-	-	-
Gerald Gentleman (NE)	3,534	8,805	.36	5.18	91.6	16.13	-	-	-	-	-	-
Nevada Power Co	**1,503**	**11,868**	**.63**	**9.38**	**193.6**	**45.96**	-	-	-	-	-	-
Gardner (NV)	1,503	11,868	.63	9.38	193.6	45.96	-	-	-	-	-	-
New England Power Co	**2,853**	**12,984**	**1.26**	**8.32**	**155.8**	**40.45**	**592**	**12,957**	**1.16**	**8.83**	**161.2**	**41.78**
Brayton (MA)	2,116	13,005	1.26	8.33	154.9	40.29	475	13,015	1.27	9.39	157.7	41.05
Salem Harbor (MA)	737	12,924	1.24	8.28	158.2	40.90	117	12,723	.70	6.55	175.8	44.73
New York State Elec & Gas Corp	**2,069**	**12,933**	**2.15**	**8.94**	**152.0**	**39.32**	**1,943**	**11,960**	**1.65**	**14.30**	**148.6**	**35.55**
Goudey (NY)	55	12,199	1.62	11.82	161.0	39.28	363	12,440	1.84	12.04	150.6	37.47
Greenidge (NY)	72	12,155	1.61	11.89	161.7	39.31	381	12,296	1.97	11.51	145.4	35.76
Hickling (NY)	-	-	-	-	-	-	332	11,174	1.11	18.76	139.1	31.09
Jennison (NY)	-	-	-	-	-	-	266	10,818	1.03	21.62	164.4	35.56
Milliken (NY)	303	12,197	1.59	12.23	167.7	40.90	501	12,291	1.74	12.37	151.7	37.29
Somerset (NY)	1,637	13,129	2.29	8.11	148.6	39.03	100	12,933	2.65	8.50	131.0	33.88
Niagara Mohawk Power Corp	**2,321**	**13,175**	**1.87**	**6.85**	**147.2**	**38.78**	**1,146**	**12,914**	**1.75**	**7.71**	**144.4**	**37.29**
Huntley (NY)	1,483	13,229	1.73	6.71	151.5	40.07	547	12,967	1.49	7.47	148.2	38.45
Dunkirk (NY)	838	13,081	2.13	7.11	139.5	36.50	599	12,864	1.98	7.92	140.8	36.23
Northern Indiana Pub Serv Co	**3,603**	**11,087**	**2.06**	**8.48**	**174.6**	**38.72**	**2,778**	**10,322**	**1.39**	**7.91**	**133.7**	**27.60**
Bailly (IN)	157	11,038	3.09	10.14	166.1	36.66	1,045	11,442	2.72	10.96	124.9	28.59
Mitchell (IN)	11	11,309	.55	5.00	180.7	40.87	1,339	9,514	.43	5.56	136.2	25.92

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 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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 Indiana Pub Serv Co												
Michigan City (IN)	735	11,116	2.23	8.29	172.9	38.43	138	11,311	2.71	12.59	124.6	28.19
Rollin Schahfer (IN)	2,701	11,081	1.96	8.46	175.6	38.91	256	9,442	.32	5.21	169.6	32.03
Northern States Power Co	**11,851**	**8,753**	**.43**	**6.46**	**113.9**	**19.94**	-	-	-	-	-	-
Black Dog (MN)	454	8,795	.34	5.25	135.6	23.85	-	-	-	-	-	-
High Bridge (MN)	612	8,773	.25	4.74	103.9	18.23	-	-	-	-	-	-
King (MN)	1,583	8,741	.53	7.73	116.1	20.29	-	-	-	-	-	-
Riverside (MN)	930	8,776	.25	4.72	104.4	18.33	-	-	-	-	-	-
Sherburne County (MN)	8,273	8,749	.45	6.60	114.1	19.96	-	-	-	-	-	-
Ohio Edison Co	**3,424**	**12,411**	**1.70**	**10.84**	**140.0**	**34.76**	**4,551**	**11,839**	**2.51**	**11.89**	**109.1**	**25.84**
Edgewater (OH)	-	-	-	-	-	-	204	11,874	2.28	10.47	130.8	31.07
Gorge Steam (OH)	-	-	-	-	-	-	150	11,953	2.13	9.96	122.0	29.17
Niles (OH)	-	-	-	-	-	-	629	11,817	3.20	11.65	105.9	25.03
Burger (OH)	368	12,046	2.49	12.00	143.0	34.44	868	11,784	3.14	11.24	101.5	23.91
Sammis (OH)	3,032	12,456	1.59	10.69	139.7	34.79	2,308	11,872	1.94	12.40	111.5	26.47
Toronto (OH)	25	12,412	2.72	11.84	141.0	34.99	392	11,744	3.62	12.19	100.9	23.70
Ohio Power Co	**12,338**	**11,472**	**3.33**	**13.32**	**185.2**	**42.50**	**1,106**	**11,628**	**3.41**	**12.02**	**109.5**	**25.46**
Muskingum (OH)	3,785	11,340	4.41	12.55	172.4	39.09	102	11,669	2.21	9.34	120.4	28.11
Kammer (WV)	1,529	12,100	4.20	13.11	132.7	32.13	309	12,168	4.01	11.87	90.3	21.97
Mitchell (WV)	2,312	11,845	1.22	16.36	193.1	45.73	2	11,905	1.87	10.10	153.9	36.64
Gavin (OH)	4,711	11,191	3.21	12.52	210.0	47.01	694	11,380	3.33	12.49	116.8	26.59
Ohio Valley Electric Corp	**2,262**	**12,297**	**3.91**	**9.19**	**106.8**	**26.26**	**920**	**11,201**	**3.58**	**11.86**	**97.0**	**21.72**
Kyger Creek (OH)	2,262	12,297	3.91	9.19	106.8	26.26	920	11,201	3.58	11.86	97.0	21.72
Oklahoma Gas & Electric Co	**5,718**	**8,820**	**.36**	**5.12**	**138.0**	**24.35**	**798**	**11,015**	**.88**	**7.41**	**132.0**	**29.07**
Muskogee (OK)	3,199	8,817	.36	5.12	137.8	24.31	634	10,804	.74	6.55	126.5	27.34
Sooner (OK)	2,519	8,824	.36	5.12	138.2	24.40	164	11,829	1.42	10.73	151.1	35.76
Omaha Public Power District	**1,772**	**8,267**	**.36**	**5.12**	**67.4**	**11.14**	**868**	**8,457**	**.34**	**4.93**	**66.0**	**11.17**
North Omaha (NE)	1,205	8,253	.36	5.10	67.5	11.14	259	8,458	.34	4.92	65.7	11.11
Nebraska City (NE)	568	8,297	.36	5.17	67.2	11.15	609	8,456	.35	4.94	66.2	11.19
Orange & Rockland Utils Inc	**590**	**12,919**	**.58**	**7.54**	**215.5**	**55.68**	-	-	-	-	-	-
Lovett (NY)	590	12,919	.58	7.54	215.5	55.68	-	-	-	-	-	-
Orlando Utilities Comm	**1,074**	**12,723**	**.74**	**8.75**	**189.2**	**48.15**	-	-	-	-	-	-
Stanton Energy (FL)	1,074	12,723	.74	8.75	189.2	48.15	-	-	-	-	-	-
Otter Tail Power Co	**2,064**	**6,137**	**.89**	**7.74**	**124.2**	**15.24**	**248**	**9,274**	**.39**	**4.39**	**124.6**	**23.11**
Hoot Lake (MN)	1	6,819	.96	10.83	176.4	24.05	248	9,274	.39	4.39	124.6	23.11
Big Stone (SD)	2,063	6,137	.89	7.74	124.1	15.24	-	-	-	-	-	-
Owensboro City of	**792**	**10,656**	**2.86**	**12.04**	**108.9**	**23.22**	-	-	-	-	-	-
Smith (KY)	792	10,656	2.86	12.04	108.9	23.22	-	-	-	-	-	-
PacifiCorp	**25,335**	**9,368**	**.60**	**11.80**	**105.6**	**19.78**	**3,137**	**9,231**	**.39**	**6.81**	**80.9**	**14.93**
Carbon (UT)	150	11,879	.50	6.94	156.6	37.21	407	12,139	.61	9.13	90.6	21.99
Centralia (WA)	4,812	8,100	.71	14.72	161.7	26.19	794	8,532	.38	6.64	120.8	20.61
Johnston (WY)	2,574	7,593	.45	11.11	70.6	10.72	1,296	8,649	.27	4.72	46.1	7.97
Naughton (WY)	2,571	9,586	.88	6.13	113.3	21.71	-	-	-	-	-	-
Wyodak (WY)	1,444	7,970	.63	7.95	61.2	9.75	-	-	-	-	-	-
Emery-Hunter (UT)	4,076	10,921	.47	14.84	87.3	19.06	-	-	-	-	-	-
Jim Bridger (WY)	6,959	9,415	.60	10.09	107.1	20.16	640	9,429	.50	9.78	92.7	17.48
Huntington (UT)	2,749	11,223	.45	14.74	87.4	19.63	-	-	-	-	-	-
Painesville City of	**61**	**12,741**	**2.77**	**9.78**	**133.0**	**33.89**	-	-	-	-	-	-
Painesville (OH)	61	12,741	2.77	9.78	133.0	33.89	-	-	-	-	-	-
Pennsylvania Electric Co	**11,195**	**12,094**	**1.75**	**16.13**	**141.4**	**34.19**	**5,112**	**12,260**	**1.77**	**13.00**	**123.0**	**30.15**

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

Table 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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												
Conemaugh (PA)	2,541	12,381	2.06	14.97	157.9	39.09	1,763	12,368	2.09	13.49	115.4	28.54
Front St (PA)	-	-	-	-	-	-	271	12,303	1.77	10.26	137.8	33.90
Homer City (PA)	3,763	11,683	1.70	18.93	144.3	33.72	1,076	12,162	1.25	13.61	143.7	34.96
Seward (PA)	-	-	-	-	-	-	588	12,019	1.50	13.67	125.6	30.19
Shawville (PA)	1,051	12,220	1.95	13.73	111.2	27.18	528	12,069	1.93	13.75	107.8	26.02
Warren (PA)	9	12,570	1.87	8.89	134.6	33.84	263	12,195	1.63	11.07	122.8	29.94
Keystone (PA)	3,831	12,272	1.53	14.83	135.9	33.34	623	12,518	1.97	11.31	113.2	28.34
Pennsylvania Power & Light Co	**6,898**	**12,238**	**1.72**	**14.58**	**175.8**	**43.03**	**2,472**	**11,993**	**1.61**	**15.58**	**133.0**	**31.90**
Brunner Island (PA)	2,806	12,375	1.73	13.91	179.1	44.32	850	12,645	1.73	12.66	138.5	35.02
Holtwood (PA)	7	6,601	.58	39.59	107.3	14.17	225	8,876	.64	27.56	117.9	20.93
Martins Creek (PA)	658	12,629	1.98	13.01	191.6	48.39	-	-	-	-	-	-
Montour (PA)	2,824	12,440	1.70	13.79	177.2	44.10	913	12,614	1.78	13.07	138.4	34.93
Sunbury (PA)	603	10,295	1.44	22.81	128.9	26.53	484	11,126	1.53	19.90	116.1	25.82
Pennsylvania Power Co	**5,768**	**12,092**	**3.90**	**11.74**	**152.3**	**36.84**	**563**	**12,299**	**1.58**	**10.09**	**119.0**	**29.26**
New Castle (PA)	290	12,209	1.43	11.27	136.4	33.31	563	12,299	1.58	10.09	119.0	29.26
Bruce Mansfield (PA)	5,477	12,086	4.03	11.76	153.2	37.03	-	-	-	-	-	-
Philadelphia Electric Co	**644**	**13,072**	**1.44**	**7.32**	**159.4**	**41.68**	**579**	**13,022**	**1.57**	**8.10**	**167.1**	**43.52**
Cromby (PA)	128	13,029	1.50	7.24	157.0	40.92	123	12,900	1.59	8.50	167.9	43.31
Eddystone (PA)	516	13,082	1.43	7.34	160.0	41.87	456	13,054	1.56	8.00	166.9	43.58
Plains Elec Gen&Trans Coop Inc	**921**	**9,416**	**.68**	**15.70**	**137.2**	**25.85**	**-**	**-**	**-**	**-**	**-**	**-**
Escalante (NM)	921	9,416	.68	15.70	137.2	25.85	-	-	-	-	-	-
Platte River Power Authority	**1,157**	**8,784**	**.30**	**5.24**	**71.3**	**12.53**	**-**	**-**	**-**	**-**	**-**	**-**
Rawhide (CO)	1,157	8,784	.30	5.24	71.3	12.53	-	-	-	-	-	-
Potomac Edison Co	**106**	**13,573**	**1.05**	**7.64**	**143.5**	**38.95**	**132**	**12,380**	**.94**	**12.58**	**140.6**	**34.81**
Smith (MD)	106	13,573	1.05	7.64	143.5	38.95	132	12,380	94	12.58	140.6	34.81
Potomac Electric Power Co	**4,071**	**12,529**	**1.71**	**11.78**	**171.1**	**42.88**	**2,186**	**12,744**	**1.33**	**10.16**	**159.3**	**40.60**
Chalk (MD)	888	12,484	1.86	12.33	176.3	44.01	401	12,688	1.62	11.64	156.7	39.77
Dickerson (MD)	699	12,491	1.53	10.84	146.5	36.59	482	12,755	1.54	10.26	130.4	33.26
Morgantown (MD)	2,073	12,498	1.87	12.66	173.0	43.23	591	12,798	1.67	11.37	156.1	39.95
Potomac River (VA)	411	12,850	.86	7.76	192.0	49.34	713	12,723	.75	8.26	183.0	46.56
Public Service Co of Colorado	**6,196**	**9,196**	**.34**	**5.94**	**111.0**	**20.41**	**1,035**	**11,097**	**.43**	**8.61**	**108.8**	**24.15**
Arapahoe (CO)	147	10,637	.34	8.36	128.6	27.36	430	11,253	.46	8.80	114.3	25.73
Cameo (CO)	164	11,525	.48	9.05	117.0	26.97	2	10,873	.44	12.11	46.0	10.00
Cherokee (CO)	1,647	10,737	.38	8.75	113.9	24.47	50	11,502	.50	8.92	92.5	21.29
Comanche (CO)	2,338	8,488	.32	4.73	110.4	18.74	-	-	-	-	-	-
Valmont (CO)	45	10,827	.33	7.25	124.3	26.91	552	10,939	.41	8.42	106.1	23.22
Pawnee (CO)	1,854	8,359	.32	4.48	105.4	17.62	-	-	-	-	-	-
Public Service Co of IN Inc	**9,619**	**10,861**	**2.37**	**10.14**	**153.1**	**33.25**	**1,195**	**10,973**	**2.21**	**9.60**	**112.2**	**24.63**
Cayuga (IN)	1,900	10,891	2.22	10.53	124.1	27.02	506	11,070	2.19	9.10	114.1	25.26
Edwardsport (IN)	-	-	-	-	-	-	55	10,794	2.49	11.40	92.0	19.87
Noblesville (IN)	-	-	-	-	-	-	9	11,290	2.17	8.47	114.4	25.83
Gallagher (IN)	643	10,953	2.30	9.17	138.1	30.25	241	10,893	2.37	9.27	122.1	26.59
Wabash River (IN)	550	10,860	2.14	10.63	136.0	29.54	380	10,911	2.06	10.26	106.4	23.22
Gibson Station (IN)	6,526	10,843	2.43	10.08	164.5	35.67	4	11,316	3.41	8.80	103.8	23.49
Public Service Co of NH	**187**	**13,477**	**2.00**	**6.87**	**170.6**	**46.00**	**877**	**13,334**	**1.99**	**6.79**	**173.3**	**46.22**
Merrimack (NH)	187	13,477	2.00	6.87	170.6	46.00	837	13,348	2.05	6.77	172.0	45.93
Schiller (NH)	-	-	-	-	-	-	40	13,043	.76	7.17	200.6	52.33
Public Service Co of NM	**5,972**	**9,636**	**.82**	**21.21**	**148.1**	**28.54**	**-**	**-**	**-**	**-**	**-**	**-**
San Juan (NM)	5,972	9,636	.82	21.21	148.1	28.54	-	-	-	-	-	-
Public Service Co of Oklahoma	**2,482**	**8,756**	**.49**	**5.74**	**165.9**	**29.05**	**122**	**11,695**	**.46**	**10.54**	**155.9**	**36.46**
Northeastern (OK)	2,482	8,756	.49	5.74	165.9	29.05	122	11,695	.46	10.54	155.9	36.46

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 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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	**1,726**	**13,441**	**0.84**	**6.95**	**174.4**	**46.88**	**654**	**13,365**	**0.79**	**6.80**	**175.4**	**46.88**
Hudson (NJ)	816	12,982	.83	8.73	176.0	45.71	387	13,046	.76	7.96	176.7	46.10
Mercer (NJ)	910	13,852	.84	5.34	173.0	47.92	267	13,826	.83	5.12	173.6	48.01
Richmond City of	**189**	**11,095**	**2.73**	**11.35**	**168.1**	**37.30**	**36**	**11,688**	**1.26**	**11.09**	**129.6**	**30.28**
Whitewater (IN)	189	11,095	2.73	11.35	168.1	37.30	36	11,688	1.26	11.09	129.6	30.28
Rochester City of	**57**	**12,149**	**1.64**	**7.07**	**194.2**	**47.19**	**-**	**-**	**-**	**-**	**-**	**-**
Silver Lake (MN)	57	12,149	1.64	7.07	194.2	47.19	-	-	-	-	-	-
Rochester Gas & Electric Corp	**499**	**13,207**	**2.00**	**6.68**	**160.5**	**42.38**	**353**	**12,993**	**2.14**	**8.02**	**153.1**	**39.79**
Rochester 3 (NY)	132	13,332	2.03	6.70	160.6	42.82	60	13,048	2.25	8.17	151.8	39.62
Rochester 7 (NY)	367	13,162	1.99	6.68	160.4	42.23	294	12,982	2.12	7.99	153.4	39.82
S Mississippi Elec Pwr Assn	**731**	**12,430**	**.93**	**8.93**	**199.2**	**49.52**	**-**	**-**	**-**	**-**	**-**	**-**
R D Morrow (MS)	731	12,430	.93	8.93	199.2	49.52	-	-	-	-	-	-
Salt River Proj Ag I & P Dist	**9,198**	**10,890**	**.49**	**9.34**	**115.8**	**25.21**	**-**	**-**	**-**	**-**	**-**	**-**
Navajo (AZ)	7,769	11,064	.49	8.45	97.7	21.61	-	-	-	-	-	-
Coronado (AZ)	1,429	9,946	.45	14.17	225.1	44.77	-	-	-	-	-	-
San Antonio City of	**3,049**	**8,343**	**.34**	**5.60**	**136.7**	**22.82**	**99**	**8,375**	**.32**	**5.54**	**116.3**	**19.48**
J T Deely (TX)	3,049	8,343	.34	5.60	136.7	22.82	99	8,375	.32	5.54	116.3	19.48
San Miguel Electric Coop Inc	**2,984**	**5,366**	**1.69**	**24.98**	**84.9**	**9.11**	**-**	**-**	**-**	**-**	**-**	**-**
San Miquel (TX)	2,984	5,366	1.69	24.98	84.9	9.11	-	-	-	-	-	-
Savannah Electric & Power Co	**-**	**-**	**-**	**-**	**-**	**-**	**962**	**12,650**	**.98**	**8.88**	**175.4**	**44.38**
Port Wentworth (GA)	-	-	-	-	-	-	509	12,858	1.00	8.84	173.0	44.48
McIntosh (GA)	-	-	-	-	-	-	453	12,416	.95	8.93	178.3	44.27
Seminole Electric Coop Inc	**2,428**	**12,022**	**2.84**	**8.40**	**202.1**	**48.58**	**601**	**11,904**	**3.33**	**10.22**	**162.8**	**38.77**
Seminole (FL)	2,428	12,022	2.84	8.40	202.1	48.58	601	11,904	3.33	10.22	162.8	38.77
Sierra Pacific Power Co	**1,427**	**10,672**	**.42**	**8.53**	**188.8**	**40.29**	**-**	**-**	**-**	**-**	**-**	**-**
North Valmy (NV)	1,427	10,672	.42	8.53	188.8	40.29	-	-	-	-	-	-
Sikeston City of	**557**	**11,403**	**2.60**	**12.14**	**154.9**	**35.33**	**-**	**-**	**-**	**-**	**-**	**-**
Sikeston (MO)	557	11,403	2.60	12.14	154.9	35.33	-	-	-	-	-	-
South Carolina Electric&Gas Co	**3,376**	**12,942**	**1.05**	**8.56**	**165.7**	**42.89**	**1,027**	**12,696**	**1.13**	**8.78**	**156.8**	**39.80**
Canadys (SC)	704	13,073	.93	7.88	170.0	44.46	81	12,706	1.02	8.73	160.3	40.72
Mcmeekin (SC)	384	13,174	1.29	8.62	162.0	42.68	134	12,842	1.26	8.21	155.2	39.87
Urguhart (SC)	266	13,045	1.25	9.09	163.1	42.55	251	12,737	1.12	8.20	156.9	39.96
Wateree (SC)	959	12,885	1.06	8.66	161.1	41.52	444	12,649	1.16	9.11	156.7	39.64
Williams (SC)	1,063	12,796	1.01	8.76	168.9	43.23	117	12,611	.99	9.43	156.1	39.38
South Carolina Pub Serv Auth	**2,816**	**12,305**	**1.20**	**9.95**	**195.1**	**48.00**	**2,097**	**12,563**	**1.12**	**8.98**	**154.9**	**38.91**
Cross (SC)	733	12,298	1.15	10.09	202.0	49.68	615	12,714	1.09	8.52	148.6	37.78
Grainger (SC)	-	-	-	-	-	-	171	12,766	1.76	10.00	168.1	42.92
Jefferies (SC)	495	12,190	1.64	11.17	183.8	44.81	68	12,487	1.50	9.97	178.1	44.49
Winyah (SC)	1,588	12,344	1.09	9.51	195.3	48.22	1,243	12,464	1.03	9.02	154.9	38.62
Southern California Edison Co	**4,137**	**10,997**	**.52**	**9.89**	**123.4**	**27.15**	**-**	**-**	**-**	**-**	**-**	**-**
Mohave (NV)	4,137	10,997	.52	9.89	123.4	27.15	-	-	-	-	-	-
Southern Illinois Power Coop	**249**	**11,383**	**4.27**	**18.65**	**93.3**	**21.25**	**267**	**9,345**	**2.33**	**21.22**	**66.5**	**12.44**
Marion (IL)	249	11,383	4.27	18.65	93.3	21.25	267	9,345	2.33	21.22	66.5	12.44
Southern Indiana Gas & Elec Co	**2,470**	**11,282**	**3.28**	**8.69**	**143.0**	**32.27**	**87**	**10,823**	**3.26**	**13.13**	**112.7**	**24.40**
Culley (IN)	892	10,987	3.00	9.25	141.5	31.09	23	10,761	2.80	11.90	129.2	27.81
A B Brown (IN)	1,143	11,563	3.53	8.17	155.6	35.98	30	11,128	4.18	14.46	111.2	24.76
Warrick (IN)	435	11,148	3.20	8.87	111.8	24.92	33	10,589	2.75	12.77	102.4	21.68

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 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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	**9,753**	**7,923**	**0.68**	**6.56**	**177.3**	**28.10**	**-**	**-**	**-**	**-**	**-**	**-**
Flint Creek (AR)	1,648	8,414	.34	4.67	159.7	26.88	-	-	-	-	-	-
Welsh Station (TX)	5,301	8,412	.34	4.64	208.0	35.00	-	-	-	-	-	-
Pirkey (TX)	2,804	6,708	1.52	11.30	117.5	15.77	-	-	-	-	-	-
Southwestern Public Service Co	**7,259**	**8,757**	**.36**	**5.20**	**171.2**	**29.98**	**889**	**8,722**	**0.36**	**5.17**	**109.7**	**19.14**
Harrington (TX)	3,896	8,785	.36	5.24	151.2	26.57	30	8,806	.35	5.20	106.2	18.71
Tolk (TX)	3,363	8,724	.35	5.16	194.4	33.93	859	8,719	.36	5.16	109.8	19.15
Springfield City of	**750**	**11,727**	**2.59**	**9.43**	**126.4**	**29.64**	**-**	**-**	**-**	**-**	**-**	**-**
James River (MO)	421	11,729	2.41	8.83	125.0	29.31	-	-	-	-	-	-
Southwest (MO)	328	11,726	2.81	10.20	128.2	30.07	-	-	-	-	-	-
Springfield City of	**907**	**10,377**	**2.93**	**9.11**	**128.8**	**26.74**	**-**	**-**	**-**	**-**	**-**	**-**
Dallman (IL)	856	10,377	2.93	9.11	128.9	26.75	-	-	-	-	-	-
Lakeside (IL)	50	10,375	2.91	9.11	127.9	26.55	-	-	-	-	-	-
St Joseph Light & Power Co	**-**	**-**	**-**	**-**	**-**	**-**	**180**	**12,250**	**3.24**	**12.76**	**136.5**	**33.45**
Lakeroad (MO)	-	-	-	-	-	-	180	12,250	3.24	12.76	136.5	33.45
Sunflower Electric Power Corp	**569**	**8,459**	**.33**	**4.86**	**96.1**	**16.26**	**581**	**8,229**	**.35**	**4.95**	**89.7**	**14.76**
Holcomb (KS)	569	8,459	.33	4.86	96.1	16.26	581	8,229	.35	4.95	89.7	14.76
Tampa Electric Co	**4,626**	**12,371**	**2.03**	**7.56**	**192.9**	**47.72**	**2,047**	**12,393**	**2.33**	**7.99**	**127.9**	**31.69**
Big Bend (FL)	4,182	12,329	2.12	7.67	188.5	46.47	2,038	12,390	2.34	8.00	127.6	31.61
Gannon (FL)	445	12,763	1.12	6.47	232.9	59.46	9	13,089	.95	5.40	191.0	50.00
Tennessee Valley Authority	**25,455**	**11,610**	**2.60**	**11.56**	**134.8**	**31.31**	**8,019**	**11,899**	**2.45**	**10.75**	**109.2**	**25.99**
Colbert (AL)	2,352	11,562	2.30	11.62	206.3	47.71	711	11,583	2.09	8.04	110.9	25.68
Widows Creek (AL)	887	12,004	1.89	9.85	126.6	30.41	1,918	11,756	2.97	10.96	109.1	25.65
Paradise (KY)	5,667	10,775	4.65	17.37	97.6	21.03	1,447	11,806	4.35	15.19	93.7	22.12
Shawnee (KY)	1,494	12,174	1.39	9.57	119.1	29.01	698	11,924	.67	11.39	118.7	28.30
Allen (TN)	742	11,783	2.11	7.79	119.9	28.27	567	11,623	2.08	7.86	113.5	26.38
Bull Run (TN)	2,247	11,485	.90	13.33	202.6	46.53	-	-	-	-	-	-
Cumberland (TN)	5,291	11,544	2.77	8.25	128.7	29.72	-	-	-	-	-	-
Gallatin (TN)	1,593	12,113	2.75	8.83	141.2	34.21	372	11,620	2.71	10.59	115.8	26.91
Sevier (TN)	1,573	12,733	1.78	9.81	123.1	31.34	341	12,536	1.90	11.15	119.3	29.91
Johnsonville (TN)	1,338	11,379	1.65	10.95	129.3	29.43	748	11,720	1.77	7.53	108.6	25.45
Kingston (TN)	2,269	12,450	1.37	9.67	122.7	30.55	1,217	12,549	1.25	9.60	114.6	28.76
Texas Municipal Power Agency	**3,628**	**4,595**	**1.27**	**26.43**	**145.6**	**13.38**	**-**	**-**	**-**	**-**	**-**	**-**
Gibbons Creek (TX)	3,628	4,595	1.27	26.43	145.6	13.38	-	-	-	-	-	-
Texas Utilities Electric Co	**30,535**	**6,493**	**.79**	**14.99**	**91.2**	**11.84**	**-**	**-**	**-**	**-**	**-**	**-**
Big Brown (TX)	5,670	6,798	.72	14.08	84.8	11.52	-	-	-	-	-	-
Martin Lake (TX)	12,481	6,717	1.01	12.26	98.8	13.27	-	-	-	-	-	-
Monticello (TX)	11,764	6,121	.57	18.04	86.0	10.53	-	-	-	-	-	-
Sandow No 4 (TX)	620	6,227	1.18	20.49	85.4	10.63	-	-	-	-	-	-
Toledo Edison Co	**1,192**	**13,088**	**1.21**	**6.96**	**191.0**	**49.99**	**47**	**13,012**	**1.27**	**7.47**	**179.7**	**46.77**
Acme (OH)	78	12,882	.74	8.13	169.6	43.71	5	13,066	.58	6.72	166.8	43.58
Bay Shore (OH)	1,114	13,102	1.24	6.88	192.5	50.43	42	13,005	1.36	7.57	181.3	47.17
Tucson Electric Power Co	**271**	**10,183**	**.47**	**13.11**	**273.3**	**55.67**	**-**	**-**	**-**	**-**	**-**	**-**
Irvington (AZ)	271	10,183	.47	13.11	273.3	55.67	-	-	-	-	-	-
Union Electric Co	**10,050**	**10,755**	**1.80**	**8.79**	**153.6**	**33.04**	**1,293**	**10,907**	**2.37**	**9.20**	**135.6**	**29.58**
Labadie (MO)	4,159	11,295	2.60	9.41	141.1	31.87	1,153	10,892	2.33	9.03	137.0	29.85
Meramec (MO)	555	11,928	1.29	7.38	200.1	47.73	39	10,394	.96	9.28	123.5	25.67
Sioux (MO)	2,407	10,078	1.58	7.23	145.4	29.31	101	11,271	3.28	11.01	124.6	28.10
Rush Island (MO)	2,929	10,321	.94	9.45	169.4	34.97	-	-	-	-	-	-
United Illuminating Co	**790**	**13,301**	**.53**	**6.09**	**217.4**	**57.82**	**85**	**13,367**	**.56**	**6.47**	**180.0**	**48.13**
Bridgeport Harbor (CT)	790	13,301	.53	6.09	217.4	57.82	85	13,367	.56	6.47	180.0	48.13

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

Table 50. Receipts and Average Delivered Cost of Contract and Spot Coal by Company and Plant, 1989 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (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)
United Power Assn	**973**	**6,830**	**0.86**	**9.54**	**99.6**	**13.61**	-	-	-	-	-	-
Stanton (ND)	973	6,830	.86	9.54	99.6	13.61	-	-	-	-	-	-
Vineland City of	**68**	**12,976**	**.77**	**7.61**	**203.5**	**52.80**	-	-	-	-	-	-
H M Down (NJ)	68	12,976	.77	7.61	203.5	52.80	-	-	-	-	-	-
Virginia Electric & Power Co	**6,095**	**12,606**	**1.41**	**10.97**	**152.0**	**38.32**	**5,163**	**12,397**	**1.27**	**11.31**	**139.1**	**34.49**
Bremo Bluff (VA)	434	12,772	1.05	9.37	155.0	39.58	104	12,755	1.02	9.33	158.4	40.41
Chesterfield (VA)	905	12,571	.95	9.06	146.3	36.77	1,955	12,635	.94	8.79	153.7	38.85
Chesapeake Energy (VA)	912	12,876	1.03	9.34	151.1	38.92	605	12,832	1.07	8.76	158.1	40.58
Possum Point (VA)	469	12,553	1.03	8.56	156.9	39.40	305	12,567	.89	9.79	155.3	39.03
Yorktown (VA)	320	13,016	1.31	8.68	148.2	38.59	414	12,776	1.27	8.33	157.7	40.30
Mount Storm (WV)	3,055	12,477	1.79	12.85	153.2	38.22	1,778	11,849	1.77	16.03	106.1	25.14
West Penn Power Co	**5,511**	**12,664**	**2.14**	**10.22**	**135.8**	**34.39**	**424**	**12,115**	**1.91**	**12.50**	**111.1**	**26.93**
Armstrong (PA)	558	12,652	1.85	10.37	131.7	33.34	346	12,108	1.84	12.48	103.3	25.02
Hatfield (PA)	4,326	12,746	2.11	9.83	138.3	35.26	76	12,132	2.16	12.63	147.3	35.74
Mitchell (PA)	626	12,108	2.55	12.80	121.1	29.32	3	12,504	2.72	11.12	101.7	25.43
West Texas Utilities Co	**2,041**	**8,271**	**.36**	**5.01**	**183.7**	**30.38**	**417**	**8,545**	**.32**	**4.82**	**133.5**	**22.82**
Oklaunion (TX)	2,041	8,271	.36	5.01	183.7	30.38	417	8,545	.32	4.82	133.5	22.82
Western Farmers Elec Coop Inc	**1,644**	**8,467**	**.45**	**5.37**	**176.7**	**29.93**	-	-	-	-	-	-
Hugo (OK)	1,644	8,467	.45	5.37	176.7	29.93	-	-	-	-	-	-
Wisconsin Electric Power Co	**8,906**	**9,911**	**.73**	**6.18**	**127.6**	**25.29**	**60**	**11,981**	**1.56**	**6.23**	**153.1**	**36.68**
Presque Isle (MI)	1,727	10,221	.61	7.81	162.9	33.30	-	-	-	-	-	-
Oak Creek (WI)	1,663	12,793	1.69	7.09	149.1	38.14	-	-	-	-	-	-
Port Washington (WI)	170	13,157	1.58	5.81	160.3	42.19	-	-	-	-	-	-
Valley (WI)	420	12,597	1.57	8.44	167.0	42.07	60	11,981	1.56	6.23	153.1	36.68
Pleasant Prairie (WI)	4,925	8,487	.35	5.13	95.0	16.13	-	-	-	-	-	-
Wisconsin Power & Light Co	**4,907**	**9,374**	**.91**	**7.40**	**166.7**	**31.25**	**762**	**9,539**	**.42**	**4.69**	**147.1**	**28.05**
Edgewater (WI)	1,838	9,916	1.25	7.18	178.1	35.33	22	10,850	.52	7.57	173.6	37.67
Nelson Dewey (WI)	218	11,683	1.47	5.15	135.4	31.65	293	9,950	.37	3.92	134.7	26.80
Rock River (WI)	121	11,076	2.22	9.56	193.2	42.79	101	10,563	.75	4.54	164.3	34.70
Columbia (WI)	2,730	8,750	.58	7.63	159.8	27.97	346	8,809	.36	5.20	150.8	26.58
Wisconsin Public Service Corp	**1,655**	**9,992**	**1.08**	**7.18**	**201.2**	**40.22**	**500**	**9,547**	**.52**	**5.56**	**162.3**	**30.99**
Pulliam (WI)	621	11,056	2.06	9.47	197.4	43.65	39	12,553	.62	10.60	159.0	39.92
Weston (WI)	1,034	9,354	.50	5.80	204.0	38.15	461	9,292	.52	5.13	162.7	30.23
Wyandotte Municipal Serv Comm	**119**	**13,421**	**.74**	**5.81**	**191.1**	**51.30**	-	-	-	-	-	-
Wyandotte (MI)	119	13,421	.74	5.81	191.1	51.30	-	-	-	-	-	-
Total	**620,927**	**10,224**	**1.28**	**9.93**	**148.4**	**30.35**	**132,289**	**11,367**	**1.56**	**9.92**	**127.8**	**29.04**

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Alabama Electric Coop Inc	**1,150**	**163.5**	**38.67**	**1.43**	**7**	**445.0**	**24.32**	**0.09**	**-**	**-**	**-**	**100**	*****	**-**
Lowman (AL)	1,150	163.5	38.67	1.43	7	445.0	24.32	.09	-	-	-	100	*	-
Alabama Power Co	**14,293**	**202.4**	**49.28**	**1.34**	**81**	**413.2**	**23.93**	**.47**	**1,556**	**220.5**	**2.27**	**99**	*****	*****
Barry (AL)	880	196.3	48.95	.87	4	431.4	24.75	.30	615	193.9	1.99	97	*	3
Gadsden (AL)	55	196.5	49.66	2.02	1	473.4	27.36	.43	59	324.2	3.33	95	1	4
Gorgas 2 and 3 (AL)	5,372	181.9	43.25	1.25	29	401.4	23.28	.46	-	-	-	100	*	-
Greene (AL)	1,098	200.7	50.13	1.55	10	433.5	25.08	.47	-	-	-	100	*	-
Gaston (AL)	4,012	187.8	45.96	2.03	31	416.8	24.16	.48	-	-	-	100	*	-
James Miller (AL)	2,876	262.1	64.95	.58	7	397.6	22.93	.56	882	232.1	2.40	99	*	1
Alexandria City of	**-**	**-**	**-**	**-**	**3**	**660.0**	**37.42**	**.00**	**193**	**270.0**	**2.78**	**-**	**8**	**92**
Alexandria-Hunter (LA)	-	-	-	-	3	660.0	37.42	.00	193	270.0	2.78	-	8	92
Ames City of	**168**	**124.1**	**21.83**	**.21**	**3**	**418.9**	**24.91**	**.30**	**-**	**-**	**-**	**99**	**1**	**-**
Ames (IA)	168	124.1	21.83	.21	3	418.9	24.91	.30	-	-	-	99	1	-
Appalachian Power Co	**10,832**	**153.0**	**37.97**	**.76**	**211**	**[2] 448.2**	**26.06**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Clinch River (VA)	1,622	136.0	34.12	.76	7	424.5	24.88	.00	-	-	-	100	*	-
Glen Lyn (VA)	569	163.4	41.75	.81	24	418.5	24.33	.00	-	-	-	99	1	-
Amos (WV)	5,391	152.4	37.53	.77	118	448.5	26.13	.00	-	-	-	99	1	-
Kanawha River (WV)	591	125.1	31.23	.80	8	471.9	27.41	.00	-	-	-	100	*	-
Mountaineer (WV)	2,659	168.9	41.92	.70	54	[2] 460.9	26.68	.00	-	-	-	100	*	-
Arizona Electric Pwr Coop Inc	**833**	**171.0**	**40.66**	**.43**	**-**	**-**	**-**	**-**	**1,759**	**209.0**	**2.16**	**92**	**-**	**8**
Apache (AZ)	833	171.0	40.66	.43	-	-	-	-	1,759	209.0	2.16	92	-	8
Arizona Public Service Co	**11,927**	**119.8**	**21.82**	**.68**	**78**	**432.2**	**25.13**	**.10**	**11,519**	**225.8**	**2.33**	**95**	*****	**5**
Cholla (AZ)	3,582	153.9	30.73	.44	16	538.9	31.22	.27	83	349.2	3.35	100	*	*
Ocotillo (AZ)	-	-	-	-	5	344.0	21.48	.69	5,329	216.3	2.23	-	1	99
Phoenix (AZ)	-	-	-	-	56	407.1	23.54	.00	460	215.0	2.22	-	40	60
Saguaro (AZ)	-	-	-	-	-	-	-	-	2,856	212.2	2.19	-	-	100
Yucca (AZ)	-	-	-	-	1	604.0	35.26	.00	2,433	250.8	2.58	-	*	100
Four Corners (NM)	8,345	103.1	18.00	.78	-	-	-	-	358	294.1	3.07	100	-	*
Arkansas Power & Light Co	**9,854**	**163.7**	**28.71**	**.34**	**235**	**370.6**	**22.44**	**.50**	**29,473**	**165.4**	**1.69**	**85**	**1**	**15**
Couch (AR)	-	-	-	-	5	360.4	22.59	.50	4,956	117.9	1.28	-	1	99
Lake Catherine (AR)	-	-	-	-	59	347.9	21.92	.50	16,298	167.2	1.68	-	2	98
Ritchie (AR)	-	-	-	-	71	305.7	19.15	.50	8,219	192.9	1.94	-	5	95
Whitebluff (AR)	4,946	175.2	30.60	.48	43	423.8	24.36	.50	-	-	-	100	*	-
Independence (AR)	4,908	152.2	26.82	.20	58	444.7	25.56	.50	-	-	-	100	*	-
Associated Electric Coop Inc	**5,061**	**136.0**	**29.02**	**3.59**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Madrid (MO)	2,644	129.7	27.77	3.09	-	-	-	-	-	-	-	100	-	-
Hill (MO)	2,417	142.9	30.38	4.13	-	-	-	-	-	-	-	100	-	-
Atlantic City Electric Co	**703**	**177.3**	**46.36**	**2.53**	**1,072**	**296.8**	**18.89**	**.91**	**-**	**-**	**-**	**73**	**27**	**-**
England (NJ)	703	177.3	46.36	2.53	1,072	296.8	18.89	.91	-	-	-	73	27	-
Austin City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**15,750**	**212.9**	**2.12**	**-**	**-**	**100**
Decker Creek (TX)	-	-	-	-	-	-	-	-	9,590	213.3	2.16	-	-	100
Holly (TX)	-	-	-	-	-	-	-	-	6,159	212.3	2.07	-	-	100
Seaholm (TX)	-	-	-	-	-	-	-	-	2	223.8	2.30	-	-	100
Baltimore Gas & Electric Co	**3,122**	**160.2**	**41.31**	**.94**	**5,465**	**281.2**	**17.69**	**.96**	**6,083**	**275.1**	**2.87**	**66**	**28**	**5**
Brandon Shores (MD)	1,787	158.7	40.65	.71	-	-	-	-	-	-	-	100	-	-
Crane (MD)	465	163.8	43.42	2.08	-	-	-	-	-	-	-	100	-	-
Gould St (MD)	-	-	-	-	592	281.5	17.74	.97	-	-	-	-	100	-
Wagner (MD)	870	161.3	41.56	.81	2,774	281.1	17.69	.95	3,611	273.9	2.86	51	40	9
Riverside (MD)	-	-	-	-	1,451	282.2	17.76	.97	2,472	276.9	2.89	-	78	22
Westport (MD)	-	-	-	-	648	278.8	17.54	.97	-	-	-	-	100	-
Bangor Hydro-Electric Co	**-**	**-**	**-**	**-**	**107**	**345.6**	**21.87**	**.62**	**-**	**-**	**-**	**-**	**100**	**-**
Graham (ME)	-	-	-	-	107	345.6	21.87	.62	-	-	-	-	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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Basin Electric Power Coop	**13,436**	**66.1**	**9.89**	**0.53**	**90**	**429.9**	**24.90**	**0.34**	**-**	**-**	**-**	**100**	*****	**-**
Leland Olds (ND)	1,840	92.8	12.32	.77	14	444.2	25.72	.34	-	-	-	100	*	-
Laramie River (WY)	6,314	60.8	10.23	.35	50	416.5	24.12	.34	-	-	-	100	*	-
Antelope Valley (ND)	5,283	64.8	8.65	.67	26	447.7	25.93	.34	-	-	-	100	*	-
Big Rivers Electric Corp	**4,619**	**120.9**	**26.84**	**3.48**	**18**	**[2] 518.3**	**29.00**	**.00**	**46**	**314.3**	**3.14**	**100**	*****	*****
Coleman (KY)	1,146	111.9	25.15	2.39	2	1,110.0	42.66	.00	46	314.3	3.14	100	*	*
Reid-Henderson (KY)	785	118.8	28.49	2.62	12	481.7	27.92	.00	-	-	-	100	*	-
R D Green (KY)	1,525	111.5	23.35	4.25	-	-	-	-	-	-	-	100	-	-
Wilson (KY)	1,163	142.9	31.96	4.14	5	451.8	26.19	.00	-	-	-	100	*	-
Boston Edison Co	**-**	**-**	**-**	**-**	**9,763**	**265.2**	**16.78**	**.94**	**36,873**	**234.1**	**2.47**	**-**	**61**	**39**
Mystic (MA)	-	-	-	-	5,652	258.7	16.37	.95	14,402	231.1	2.52	-	70	30
New Boston (MA)	-	-	-	-	4,111	274.1	17.34	.94	22,471	236.1	2.43	-	53	47
Brazos Electric Power Coop Inc	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**13,936**	**182.9**	**1.86**	**-**	**-**	**100**
North Texas (TX)	-	-	-	-	-	-	-	-	289	185.0	1.85	-	-	100
Miller (TX)	-	-	-	-	-	-	-	-	13,646	182.8	1.86	-	-	100
Bryan City of	**-**	**-**	**-**	**-**	**12**	**451.5**	**26.91**	**.11**	**4,246**	**171.8**	**1.77**	**-**	**2**	**98**
Bryan (TX)	-	-	-	-	9	480.1	28.25	.00	549	180.7	1.86	-	8	92
Dansby (TX)	-	-	-	-	3	364.9	22.64	.47	3,697	170.5	1.76	-	*	100
Burbank City of	**-**	**-**	**-**	**-**	**22**	**359.9**	**22.68**	**.21**	**3,079**	**280.3**	**2.89**	**-**	**4**	**96**
Magnolia-Olive (CA)	-	-	-	-	22	359.9	22.68	.21	3,079	280.3	2.89	-	4	96
Cajun Electric Power Coop Inc	**4,860**	**159.2**	**27.33**	**.41**	**63**	**400.8**	**23.57**	**.00**	**3,900**	**195.5**	**2.03**	**95**	*****	**5**
Big Cajun No.1 (LA)	-	-	-	-	-	-	-	-	3,900	195.5	2.03	-	-	100
Big Cajun No.2 (LA)	4,860	159.2	27.33	.41	63	400.8	23.57	.00	-	-	-	100	*	-
Cambridge Electric Light Co	**-**	**-**	**-**	**-**	**265**	**319.3**	**19.98**	**.51**	**1,639**	**267.1**	**2.67**	**-**	**50**	**50**
Kendall Square (MA)	-	-	-	-	265	319.3	19.98	.51	1,639	267.1	2.67	-	50	50
Canal Electric Co	**-**	**-**	**-**	**-**	**10,262**	**243.0**	**15.31**	**2.09**	**-**	**-**	**-**	**-**	**100**	**-**
Canal (MA)	-	-	-	-	10,262	243.0	15.31	2.09	-	-	-	-	100	-
Cardinal Operating Co	**4,445**	**144.0**	**33.78**	**2.22**	**35**	**415.1**	**24.22**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Cardinal (OH)	4,445	144.0	33.78	2.22	35	415.1	24.22	.00	-	-	-	100	*	-
Carolina Power & Light Co	**9,330**	**175.9**	**44.17**	**.90**	**112**	**393.4**	**22.80**	**.20**	**-**	**-**	**-**	**100**	*****	**-**
Asheville (NC)	798	136.6	36.55	1.12	8	394.2	22.85	.20	-	-	-	100	*	-
Cape Fear (NC)	401	184.0	46.39	1.15	3	388.6	22.52	.20	-	-	-	100	*	-
Lee (NC)	315	189.1	47.98	1.02	-	-	-	-	-	-	-	100	-	-
Roxboro (NC)	5,086	179.0	45.08	.89	58	395.5	22.93	.20	-	-	-	100	*	-
Sutton (NC)	657	180.0	45.32	1.03	9	373.7	21.66	.20	-	-	-	100	*	-
Weatherspoon (NC)	152	172.2	43.10	1.06	2	369.2	21.40	.20	-	-	-	100	*	-
Robinson (SC)	188	170.9	41.50	1.23	9	409.4	23.73	.20	-	-	-	99	1	-
Mayo (NC)	1,732	181.0	43.77	.64	23	392.2	22.73	.20	-	-	-	100	*	-
Cedar Falls City of	**24**	**135.7**	**30.09**	**2.30**	**-**	**-**	**-**	**-**	**12**	**265.5**	**2.65**	**98**	**-**	**2**
Streeter (IA)	24	135.7	30.09	2.30	-	-	-	-	12	265.5	2.65	98	-	2
Centel Corp	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,609**	**182.9**	**1.79**	**-**	**-**	**100**
Cimarron River (KS)	-	-	-	-	-	-	-	-	410	206.6	2.24	-	-	100
Large (KS)	-	-	-	-	-	-	-	-	1,149	171.7	1.62	-	-	100
Mullergren (KS)	-	-	-	-	-	-	-	-	50	212.7	2.14	-	-	100
Central Electric Pwr Coop-MO	**[1] 137**	**115.5**	**26.19**	**3.41**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Chamois (MO)	[1] 137	115.5	26.19	3.41	-	-	-	-	-	-	-	100	-	-
Central Hudson Gas & Elec Corp	**855**	**195.0**	**51.07**	**.58**	**11,050**	**271.6**	**17.23**	**1.30**	**4,718**	**292.3**	**3.02**	**23**	**72**	**5**
Danskammer (NY)	855	195.0	51.07	.58	853	296.6	18.65	.93	4,718	292.3	3.02	69	16	15
Roseton (NY)	-	-	-	-	10,196	269.6	17.11	1.33	-	-	-	-	100	-
Central Illinois Light Co	**2,240**	**176.8**	**41.98**	**2.04**	**14**	**474.7**	**27.43**	**.22**	**-**	**-**	**-**	**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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Central Illinois Light Co														
Edwards (IL)	1,254	174.1	45.07	0.92	8	476.3	27.50	0.22	-	-	-	100	*	-
Duck Creek (IL)	986	181.2	38.06	3.47	6	472.7	27.35	.22	-	-	-	100	*	-
Central Illinois Pub Serv Co	**4,393**	**160.0**	**35.45**	**2.72**	**92**	**405.7**	**24.09**	**.37**	**-**	**-**	**-**	**99**	**1**	**-**
Coffeen (IL)	1,707	158.0	33.35	3.63	9	487.4	27.93	.14	-	-	-	100	*	-
Grand Tower (IL)	111	158.5	36.96	2.98	5	422.0	24.62	.20	-	-	-	99	1	-
Hutsonville (IL)	206	135.9	31.12	2.48	8	421.8	24.29	.20	-	-	-	99	1	-
Meredosia (IL)	425	159.9	36.59	2.59	43	367.0	22.48	.55	-	-	-	97	3	-
Newton (IL)	1,945	164.3	37.42	1.97	26	436.8	25.23	.23	-	-	-	100	*	-
Central Iowa Power Coop	**152**	**108.1**	**23.55**	**2.99**	**-**	**-**	**-**	**-**	**9**	**305.1**	**3.11**	**100**	**-**	*****
Fair Station (IA)	152	108.1	23.55	2.99	-	-	-	-	9	305.1	3.11	100	-	*
Central Louisiana Elec Co Inc	**4,783**	**152.2**	**23.03**	**.53**	**-**	**-**	**-**	**-**	**29,242**	**218.8**	**2.28**	**70**	**-**	**30**
Dolet Hills (LA)	2,981	127.4	17.48	.54	-	-	-	-	163	235.1	2.41	100	-	*
Coughlin (LA)	-	-	-	-	-	-	-	-	5,844	225.6	2.40	-	-	100
Teche (LA)	-	-	-	-	-	-	-	-	14,506	223.9	2.35	-	-	100
Rodemacher (LA)	1,802	184.4	32.21	.50	-	-	-	-	8,729	205.2	2.09	78	-	22
Central Maine Power Co	**-**	**-**	**-**	**-**	**4,831**	**276.7**	**17.39**	**.87**	**-**	**-**	**-**	**-**	**100**	**-**
Mason (ME)	-	-	-	-	120	270.8	17.07	.55	-	-	-	-	100	-
Wyman (ME)	-	-	-	-	4,710	276.9	17.39	.88	-	-	-	-	100	-
Central Nebraska Pub P&I Dist	**-**	**-**	**-**	**-**	**60**	**215.3**	**13.56**	**1.14**	**1,125**	**212.6**	**2.00**	**-**	**26**	**74**
Canaday (NE)	-	-	-	-	60	215.3	13.56	1.14	1,125	212.6	2.00	-	26	74
Central Operating Co	**1,791**	**150.2**	**36.68**	**1.15**	**40**	**455.2**	**26.23**	**.00**	**-**	**-**	**-**	**99**	**1**	**-**
Sporn (WV)	1,791	150.2	36.68	1.15	40	455.2	26.23	.00	-	-	-	99	1	-
Central Power & Light Co	**1,756**	**214.9**	**46.64**	**.39**	**124**	**311.5**	**19.17**	**.64**	**94,308**	**229.2**	**2.40**	**28**	**1**	**72**
Joslin (TX)	-	-	-	-	-	-	-	-	7,103	235.5	2.47	-	-	100
Bates (TX)	-	-	-	-	-	-	-	-	6,538	282.0	2.92	-	-	100
Laredo (TX)	-	-	-	-	-	-	-	-	7,203	232.3	2.51	-	-	100
Hill (TX)	-	-	-	-	-	-	-	-	13,786	208.6	2.19	-	-	100
Nueces Bay (TX)	-	-	-	-	33	311.4	19.26	.67	17,858	224.4	2.34	-	1	99
La Palma (TX)	-	-	-	-	-	-	-	-	7,891	233.1	2.44	-	-	100
Victoria (TX)	-	-	-	-	-	-	-	-	5,858	196.4	2.08	-	-	100
Davis (TX)	-	-	-	-	82	305.3	18.88	.67	28,070	233.7	2.41	-	2	98
Coleto Creek (TX)	1,756	214.9	46.64	.39	9	370.0	21.40	.32	-	-	-	100	*	-
Century Power Corp	**1,360**	**186.5**	**35.50**	**.68**	**17**	**476.9**	**28.18**	**.18**	**-**	**-**	**-**	**100**	*****	**-**
Springerville (AZ)	1,360	186.5	35.50	.68	17	476.9	28.18	.18	-	-	-	100	*	-
Cincinnati Gas & Electric Co	**6,549**	**148.5**	**34.28**	**1.71**	**78**	**433.2**	**24.99**	**.44**	**-**	**-**	**-**	**100**	*****	**-**
Beckjord (OH)	2,016	151.2	34.52	1.68	29	423.8	24.52	.46	-	-	-	100	*	-
Miami Fort (OH)	3,010	148.9	34.81	1.66	36	434.3	25.00	.44	-	-	-	100	*	-
East Bend (KY)	1,523	144.2	32.94	1.85	13	450.3	25.98	.37	-	-	-	100	*	-
Cleveland Electric Illum Co	**5,524**	**150.2**	**37.65**	**2.71**	**444**	**285.8**	**18.14**	**1.01**	**-**	**-**	**-**	**98**	**2**	**-**
Ashtabula (OH)	1,101	150.1	37.46	3.10	13	454.0	26.42	.30	-	-	-	100	*	-
Avon Lake (OH)	1,787	144.3	35.87	2.40	21	434.4	25.27	.33	-	-	-	100	*	-
Eastlake (OH)	2,286	148.6	37.37	3.07	20	439.5	25.46	.32	-	-	-	100	*	-
Lake Shore (OH)	349	189.6	49.18	.67	390	266.2	17.10	1.11	-	-	-	78	22	-
Coffeyville City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**259**	**233.2**	**2.33**	**-**	**-**	**100**
Coffeyville (KS)	-	-	-	-	-	-	-	-	259	233.2	2.33	-	-	100
Colorado Springs City of	**1,431**	**152.9**	**32.51**	**.39**	**-**	**-**	**-**	**-**	**659**	**[2] 291.3**	**2.84**	**98**	**-**	**2**
Drake (CO)	729	160.9	34.34	.37	-	-	-	-	213	[2] 367.9	3.59	99	-	1
Birdsall (CO)	-	-	-	-	-	-	-	-	446	[2] 254.8	2.48	-	-	100
Nixon (CO)	702	144.6	30.60	.40	-	-	-	-	-	-	-	100	-	-
Colorado Ute Electric Assn Inc	**5,934**	**95.9**	**19.82**	**.41**	**18**	**353.2**	**15.31**	**.09**	**148**	**260.4**	**2.73**	**100**	*****	*****
Hayden (CO)	1,597	77.6	16.56	.45	5	429.5	24.88	.34	14	273.4	2.87	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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Colorado Ute Electric Assn Inc														
Nucla (CO)	171	121.9	25.06	0.63	14	314.6	12.09	0.00	-	-	-	99	1	-
Craig (CO)	4,165	102.1	20.85	.38	-	-	-	-	134	259.0	2.72	100	-	*
Columbia City of	**42**	**157.8**	**34.33**	**3.59**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Columbia (MO)	42	157.8	34.33	3.59	-	-	-	-	-	-	-	100	-	-
Columbus Southern Power Co	**3,878**	**150.3**	**35.41**	**3.13**	**47**	**411.1**	**24.02**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Conesville (OH)	3,700	152.2	35.90	3.15	47	411.2	24.03	.00	-	-	-	100	*	-
Picway (OH)	179	110.1	25.30	2.87	1	402.7	23.64	.00	-	-	-	100	*	-
Columbus City of	**61**	**152.3**	**38.01**	**.72**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Refuse & Coal (OH)	61	152.3	38.01	.72	-	-	-	-	-	-	-	100	-	-
Commonwealth Edison Co	**8,516**	**254.1**	**49.21**	**1.13**	**1,964**	**350.4**	**21.95**	**.63**	**4,158**	**[2] 349.6**	**3.56**	**91**	**7**	**2**
Crawford (IL)	352	308.1	58.23	.43	-	-	-	-	534	438.9	4.44	92	-	8
Joliet (IL)	1,805	289.4	54.86	.43	4	468.7	27.43	.24	1,804	266.9	2.73	95	*	5
Kincaid (IL)	2,029	148.7	30.36	3.44	-	-	-	-	95	329.9	3.38	100	-	*
Powerton (IL)	2,421	280.3	53.76	.36	-	-	-	-	186	431.8	4.32	100	-	*
Waukegan (IL)	673	276.6	52.37	.46	33	421.4	24.54	.31	140	299.5	3.06	97	1	1
Will County (IL)	812	311.0	58.95	.43	221	428.4	24.93	.25	-	-	-	92	8	-
Fisk (IL)	247	312.2	59.30	.47	-	-	-	-	1,115	[2] 428.1	4.34	81	-	19
State Line (IN)	177	295.6	56.60	.36	-	-	-	-	284	381.4	3.92	92	-	8
Collins (IL)	-	-	-	-	1,705	339.6	21.50	.69	-	-	-	-	100	-
Commonwealth Electric Co	**-**	**-**	**-**	**-**	**225**	**292.1**	**18.37**	**.84**	**919**	**249.5**	**2.49**	**-**	**61**	**39**
Cannon (MA)	-	-	-	-	225	292.1	18.37	.84	919	249.5	2.49	-	61	39
Community Public Service Co	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**8**	**373.5**	**3.85**	**-**	**-**	**100**
Lordsburg (NM)	-	-	-	-	-	-	-	-	8	373.5	3.85	-	-	100
Connecticut Light & Power Co	**-**	**-**	**-**	**-**	**12,580**	**290.2**	**18.25**	**.82**	**1,004**	**253.5**	**2.61**	**-**	**99**	**1**
Devon (CT)	-	-	-	-	2,635	282.9	17.85	.99	-	-	-	-	100	-
Montville (CT)	-	-	-	-	2,532	282.5	17.77	.99	1,004	253.5	2.61	-	94	6
Norwalk Harbor (CT)	-	-	-	-	3,099	280.1	17.63	.99	-	-	-	-	100	-
Middletown (CT)	-	-	-	-	4,314	306.6	19.21	.50	-	-	-	-	100	-
Consolidated Edison Co-NY Inc	**-**	**-**	**-**	**-**	**23,991**	**310.3**	**19.35**	**.26**	**75,876**	**221.9**	**2.29**	**-**	**66**	**34**
East River (NY)	-	-	-	-	-	-	-	-	3,496	218.4	2.25	-	-	100
Hudson Avenue (NY)	-	-	-	-	6,213	320.7	20.06	.26	-	-	-	-	100	-
Indian Point (NY)	-	-	-	-	35	299.3	18.80	.36	-	-	-	-	100	-
Ravenswood (NY)	-	-	-	-	-	-	-	-	39,047	222.2	2.29	-	-	100
Waterside (NY)	-	-	-	-	-	-	-	-	6,204	224.1	2.31	-	-	100
59th St (NY)	-	-	-	-	20	296.4	18.55	.28	-	-	-	-	100	-
Astoria (NY)	-	-	-	-	5,009	304.0	18.92	.27	27,129	221.4	2.28	-	53	47
Storage Facility #6	-	-	-	-	2,128	293.9	18.31	.25	-	-	-	-	100	-
Storage Facility #5	-	-	-	-	4,880	295.1	18.45	.26	-	-	-	-	100	-
Storage Facility #4	-	-	-	-	4,566	322.1	20.04	.26	-	-	-	-	100	-
Storage Facility #3	-	-	-	-	1,141	330.0	20.43	.26	-	-	-	-	100	-
Consumers Power Co	**7,032**	**178.2**	**42.95**	**.74**	**893**	**279.5**	**17.29**	**.98**	**-**	**-**	**-**	**97**	**3**	**-**
Cobb (MI)	1,049	173.4	39.17	.68	-	-	-	-	-	-	-	100	-	-
Karn-Weadock (MI)	1,064	171.8	41.75	.79	893	279.5	17.29	.98	-	-	-	82	18	-
Campbell (MI)	3,350	184.4	45.14	.72	-	-	-	-	-	-	-	100	-	-
Weadock (MI)	704	161.5	38.18	.76	-	-	-	-	-	-	-	100	-	-
Whiting (MI)	864	180.4	44.44	.83	-	-	-	-	-	-	-	100	-	-
Coop Power Assn	**7,094**	**70.5**	**8.85**	**.65**	**6**	**193.3**	**11.93**	**2.50**	**-**	**-**	**-**	**100**	*****	**-**
Coal Creek (ND)	7,094	70.5	8.85	.65	6	193.3	11.93	2.50	-	-	-	100	*	-
Dairyland Power Coop	**2,236**	**131.1**	**24.97**	**1.03**	**21**	**413.5**	**24.31**	**.50**	**-**	**-**	**-**	**100**	*****	**-**
Alma-Madgett (WI)	1,390	134.4	24.37	.51	8	409.9	24.10	.50	-	-	-	100	*	-
Genoa No.3 (WI)	814	125.6	25.52	1.92	10	412.6	24.26	.50	-	-	-	100	*	-
Stoneman (WI)	33	144.5	36.73	1.22	3	428.7	25.21	.50	-	-	-	98	2	-

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

Table 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Dayton Power & Light Co	**8,702**	**144.9**	**34.02**	**1.24**	**69**	**389.3**	**22.71**	**0.31**	**182**	**395.0**	**4.03**	**100**	*	*
Hutchings (OH)	142	152.9	37.05	.76	-	-	-	-	182	395.0	4.03	95	-	5
Stuart (OH)	6,824	145.1	33.52	1.38	14	435.7	25.35	.58	-	-	-	100	*	-
Killen (OH)	1,736	143.4	35.74	.75	-	-	-	-	-	-	-	100	-	-
Storage Facility #1	-	-	-	-	55	377.8	22.05	.24	-	-	-	-	100	-
Deepwater Operating Co	**173**	**175.5**	**45.88**	**.81**	**240**	**299.7**	**18.80**	**.93**	**1,779**	**268.5**	**2.78**	**57**	**19**	**23**
Deepwater (NJ)	173	175.5	45.88	.81	240	299.7	18.80	.93	1,779	268.5	2.78	57	19	23
Delmarva Power & Light Co	**1,918**	**179.3**	**46.41**	**1.04**	**3,964**	**273.5**	**17.27**	**1.09**	**5,709**	**252.9**	**2.72**	**61**	**31**	**8**
Delaware City (DE)	-	-	-	-	65	273.0	17.17	.90	1,842	291.2	3.37	-	16	84
Edgemoor (DE)	600	196.1	51.63	.81	2,807	276.9	17.57	.88	3,867	232.5	2.41	42	47	11
Indian River (DE)	1,318	171.4	44.04	1.15	136	421.3	23.52	.25	-	-	-	98	2	-
Vienna (MD)	-	-	-	-	956	244.8	15.50	1.84	-	-	-	-	100	-
Denton City of	**-**	**-**	**-**	**-**	**35**	**495.0**	**29.03**	**.13**	**642**	**192.2**	**2.10**	**-**	**23**	**77**
Spencer (TX)	-	-	-	-	35	495.0	29.03	.13	642	192.2	2.10	-	23	77
Deseret Generation & Tran Coop	**1,343**	**239.8**	**51.68**	**.44**	**1**	**544.6**	**32.25**	**.00**	**-**	**-**	**-**	**100**	*	**-**
Bonanza (UT)	1,343	239.8	51.68	.44	1	544.6	32.25	.00	-	-	-	100	*	-
Detroit City of	**-**	**-**	**-**	**-**	**430**	**301.0**	**18.46**	**.61**	**-**	**-**	**-**	**-**	**100**	**-**
Mistersky (MI)	-	-	-	-	430	301.0	18.46	.61	-	-	-	-	100	-
Detroit Edison Co	**18,328**	**169.3**	**37.09**	**.60**	**1,001**	**351.8**	**21.20**	**.56**	**16,243**	**174.4**	**.19**	**98**	**1**	*
Harbor Beach (MI)	98	222.1	59.47	.82	13	435.8	25.03	.46	-	-	-	97	3	-
Monroe (MI)	7,131	179.4	43.58	.81	111	415.8	24.01	.25	-	-	-	100	*	-
River Rouge (MI)	1,045	181.0	44.88	.73	*	426.7	24.61	.23	16,193	169.3	.18	94	*	6
St Clair (MI)	4,627	149.6	28.94	.46	109	353.6	21.07	.46	49	345.2	3.52	99	1	*
Trenton Channel (MI)	1,265	206.8	50.77	.72	14	437.0	25.18	.25	-	-	-	100	*	-
Belle River (MI)	4,162	149.0	28.38	.34	53	426.8	24.67	.27	-	-	-	100	*	-
Greenwood (MI)	-	-	-	-	701	333.5	20.36	.66	-	-	-	-	100	-
Dover City of	**-**	**-**	**-**	**-**	**768**	**257.3**	**16.39**	**2.09**	**377**	**279.5**	**2.88**	**-**	**93**	**7**
Mckee Run (DE)	-	-	-	-	768	257.3	16.39	2.09	377	279.5	2.88	-	93	7
Duke Power Co	**9,572**	**177.5**	**44.35**	**.94**	**106**	**413.0**	**24.04**	**.30**	**-**	**-**	**-**	**100**	*	**-**
Allen (NC)	802	183.5	45.95	.95	28	390.0	22.69	.30	-	-	-	99	1	-
Buck (NC)	95	166.0	41.98	.87	-	-	-	-	-	-	-	100	-	-
Cliffside (NC)	666	163.4	41.09	.96	11	416.5	24.30	.30	-	-	-	100	*	-
Dan River (NC)	132	163.1	41.19	.85	-	-	-	-	-	-	-	100	-	-
Marshall (NC)	3,096	176.9	44.15	.98	32	417.1	24.28	.30	-	-	-	100	*	-
Riverbend (NC)	88	176.7	43.80	1.00	-	-	-	-	-	-	-	100	-	-
Lee (SC)	301	163.9	40.38	.93	6	529.5	30.80	.30	-	-	-	100	*	-
Belews Creek (NC)	4,392	180.7	45.12	.92	29	405.2	23.60	.30	-	-	-	100	*	-
Duquesne Light Co	**2,514**	**122.9**	**30.12**	**1.68**	**19**	**444.7**	**25.48**	**.23**	**189**	**319.6**	**3.32**	**100**	*	*
Elrama (PA)	1,058	111.6	27.18	1.88	14	426.1	24.39	.20	-	-	-	100	*	-
Cheswick (PA)	1,456	131.0	32.27	1.54	5	496.8	28.51	.30	189	319.6	3.32	99	*	1
East Kentucky Power Coop	**2,378**	**112.5**	**27.06**	**1.15**	**13**	**407.7**	**23.74**	**.13**	**-**	**-**	**-**	**100**	*	**-**
Cooper (KY)	605	114.7	27.68	1.45	2	425.3	24.76	.20	-	-	-	100	*	-
Dale (KY)	200	113.1	27.60	.78	3	443.4	25.81	.12	-	-	-	100	*	-
Spurlock (KY)	1,574	111.6	26.76	1.07	8	390.0	22.70	.12	-	-	-	100	*	-
El Paso Electric Co	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**20,038**	**194.1**	**2.00**	**-**	**-**	**100**
Rio Grande (TX)	-	-	-	-	-	-	-	-	9,641	194.1	1.99	-	-	100
Newman (TX)	-	-	-	-	-	-	-	-	10,397	194.1	2.00	-	-	100
Electric Energy Inc	**2,433**	**135.9**	**31.17**	**1.92**	**5**	**441.6**	**25.72**	**.36**	**-**	**-**	**-**	**100**	*	**-**
Joppa (IL)	2,433	135.9	31.17	1.92	5	441.6	25.72	.36	-	-	-	100	*	-
Empire District Electric Co	**1,147**	**107.1**	**21.22**	**3.66**	**8**	**516.7**	**31.04**	**.00**	**51**	**311.5**	**3.14**	**100**	*	*
Riverton (KS)	297	116.6	23.77	1.05	6	525.6	31.58	.00	51	311.5	3.14	99	1	1
Asbury (MO)	850	103.6	20.33	4.57	3	497.9	29.91	.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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Florida Power & Light Co	-	-	-	-	**25,397**	**276.1**	**17.52**	**1.00**	**106,279**	**243.3**	**2.43**	-	**60**	**40**
Cape Canaveral (FL)	-	-	-	-	1,817	281.8	17.88	1.03	14,994	242.4	2.42	-	43	57
Cutler (FL)	-	-	-	-	-	-	-	-	4,818	250.2	2.50	-	-	100
Fort Myers (FL)	-	-	-	-	3,467	264.9	16.81	.93	-	-	-	-	100	-
Lauderdale (FL)	-	-	-	-	-	-	-	-	3,357	241.2	2.41	-	-	100
Port Everglades (FL)	-	-	-	-	3,954	264.9	16.81	1.22	22,635	247.0	2.47	-	53	47
Riviera (FL)	-	-	-	-	2,197	275.5	17.48	.96	10,751	241.2	2.41	-	56	44
Sanford (FL)	-	-	-	-	1,454	277.7	17.65	1.42	1,859	252.5	2.52	-	83	17
Turkey Point (FL)	-	-	-	-	2,332	294.4	18.63	.98	23,946	240.0	2.40	-	38	62
Manatee (FL)	-	-	-	-	7,756	277.2	17.62	.97	-	-	-	-	100	-
Martin (FL)	-	-	-	-	2,420	285.1	18.01	.64	23,919	242.9	2.43	-	39	61
Florida Power Corp	**5,664**	**174.1**	**43.97**	**0.83**	**11,544**	**262.3**	**16.64**	**1.52**	**5,379**	**228.8**	**2.34**	**65**	**33**	**2**
Crystal River (FL)	5,664	174.1	43.97	.83	149	407.5	24.04	.10	-	-	-	99	1	-
Turner (FL)	-	-	-	-	576	255.4	16.13	2.29	555	302.4	3.11	-	86	14
Higgins (FL)	-	-	-	-	678	250.1	15.89	2.29	164	305.7	3.15	-	96	4
Bartow (FL)	-	-	-	-	1	398.0	23.36	.16	14	234.8	2.41	-	29	71
Suwannee (FL)	-	-	-	-	159	267.1	16.95	2.16	4,646	217.2	2.22	-	18	82
Anclote (FL)	-	-	-	-	84	405.9	23.84	.12	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	9,898	260.3	16.54	1.44	-	-	-	-	100	-
Fort Pierre City of	-	-	-	-	-	-	-	-	**1,388**	**252.9**	**2.59**	-	-	**100**
H D King (FL)	-	-	-	-	-	-	-	-	1,388	252.9	2.59	-	-	100
Fremont City of	**121**	**155.5**	**34.54**	**.53**	-	-	-	-	**192**	**190.6**	**1.90**	**93**	-	**7**
Wright (NE)	121	155.5	34.54	.53	-	-	-	-	192	190.6	1.90	93	-	7
Gainesville Regional Utilities	**516**	**174.1**	**45.50**	**.66**	**12**	**315.0**	**20.04**	**1.43**	**3,517**	**256.8**	**2.64**	**79**	*	**21**
Deerhaven (FL)	516	174.1	45.50	.66	7	353.4	22.44	1.50	2,502	257.8	2.65	84	*	16
Jr Kelly (FL)	-	-	-	-	4	247.6	15.79	1.30	1,015	254.3	2.61	-	3	97
Garland City of	-	-	-	-	**7**	**460.0**	**27.57**	**.00**	**9,075**	**179.5**	**1.86**	-	*	**100**
Newman (TX)	-	-	-	-	5	460.0	27.62	.00	194	191.7	2.00	-	13	87
Olinger (TX)	-	-	-	-	2	460.0	27.43	.00	8,881	179.3	1.85	-	*	100
Georgia Power Co	**24,473**	**174.9**	**42.25**	**1.70**	**212**	**437.6**	**25.49**	**.67**	**222**	**316.3**	**3.25**	**100**	*	*
Arkwright (GA)	219	156.8	39.40	2.00	-	-	-	-	39	320.8	3.28	99	-	1
Atkinson-Mcdonough (GA)	1,125	165.9	39.31	2.57	-	-	-	-	183	315.3	3.24	99	-	1
Bowen (GA)	7,842	168.5	41.15	1.40	31	441.8	25.61	.50	-	-	-	100	*	-
Hammond (GA)	1,860	162.9	41.02	1.83	12	414.3	24.01	.50	-	-	-	100	*	-
Harllee Branch (GA)	4,218	171.5	42.49	1.31	12	426.9	24.75	.50	-	-	-	100	*	-
Mcmanus (GA)	-	-	-	-	27	433.1	26.12	1.81	-	-	-	-	100	-
Mitchell (GA)	308	204.4	51.20	1.39	18	543.2	31.49	.50	-	-	-	99	1	-
Yates (GA)	2,315	172.7	41.34	2.16	27	422.0	24.46	.50	-	-	-	100	*	-
Wansley (GA)	4,687	178.1	40.40	2.51	24	427.2	24.76	.50	-	-	-	100	*	-
Scherer (GA)	1,898	218.7	53.84	.67	60	423.4	24.54	.50	-	-	-	99	1	-
Glendale City of	-	-	-	-	-	-	-	-	**2,606**	**234.9**	**2.46**	-	-	**100**
Glendale (CA)	-	-	-	-	-	-	-	-	2,606	234.9	2.46	-	-	100
Grand Haven City of	**187**	**152.1**	**33.67**	**2.48**	-	-	-	-	-	-	-	**100**	-	-
J B Simms (MI)	187	152.1	33.67	2.48	-	-	-	-	-	-	-	100	-	-
Grand Island City of	**304**	**67.6**	**11.40**	**.35**	-	-	-	-	**52**	**240.7**	**2.26**	**99**	-	**1**
Platte (NE)	304	67.6	11.40	.35	-	-	-	-	-	-	-	100	-	-
Burdick (NE)	-	-	-	-	-	-	-	-	52	240.7	2.26	-	-	100
Grand River Dam Authority	**3,870**	**96.5**	**16.39**	**.46**	**27**	**422.5**	**24.47**	**.43**	**55**	**230.6**	**2.33**	**100**	*	*
GRDA No 1 (OK)	3,870	96.5	16.39	.46	27	422.5	24.47	.43	55	230.6	2.33	100	*	*
Greenville City of	-	-	-	-	**8**	**523.3**	**30.33**	**.00**	**1,683**	**182.9**	**1.96**	-	**2**	**98**
Greenville (TX)	-	-	-	-	8	523.3	30.33	.00	1,683	182.9	1.96	-	2	98
Gulf Power Co	**2,746**	**179.4**	**43.51**	**2.79**	**25**	**384.8**	**22.14**	**.45**	**391**	**[2] 216.6**	**2.17**	**99**	*	**1**
Crist (FL)	1,808	181.5	43.89	2.80	10	386.1	22.22	.45	391	[2] 216.6	2.17	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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Gulf Power Co														
Scholtz (FL)	341	146.6	36.44	2.79	1	420.2	24.18	0.45	-	-	-	100	*	-
Smith (FL)	597	192.1	46.40	2.76	15	382.5	22.01	.45	-	-	-	99	1	-
Gulf States Utilities Co	**1,951**	**193.7**	**33.80**	**.50**	**226**	**277.6**	**18.49**	**.48**	**162,239**	**187.3**	**1.95**	**17**	**1**	**83**
Nelson (LA)	1,951	193.7	33.80	.50	19	399.9	23.29	.25	15,144	173.1	1.83	68	*	32
Willow Glen (LA)	-	-	-	-	115	264.1	18.12	.70	23,244	196.3	2.04	-	3	97
Lewis Creek (TX)	-	-	-	-	-	-	-	-	26,717	187.2	1.95	-	-	100
Sabine (TX)	-	-	-	-	92	273.0	17.96	.25	97,134	187.4	1.94	-	1	99
Hamilton City of	**118**	**140.2**	**34.65**	**.67**	**1**	**383.9**	**22.09**	**.21**	**378**	**265.2**	**2.65**	**88**	*	**11**
Hamilton (OH)	118	140.2	34.65	.67	1	383.9	22.09	.21	378	265.2	2.65	88	*	11
Hastings City of	**231**	**85.8**	**15.06**	**.22**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Hastings (NE)	231	85.8	15.06	.22	-	-	-	-	-	-	-	100	-	-
Hawaiian Electric Co Inc	**-**	**-**	**-**	**-**	**10,306**	**329.1**	**20.55**	**.46**	**-**	**-**	**-**	**-**	**100**	**-**
Honolulu (HI)	-	-	-	-	70	356.3	22.21	.47	-	-	-	-	100	-
Kahe (HI)	-	-	-	-	4,183	332.1	20.88	.47	-	-	-	-	100	-
Waiau (HI)	-	-	-	-	293	335.1	20.66	.45	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	5,760	326.2	20.29	.46	-	-	-	-	100	-
Holland City of	**163**	**169.0**	**44.85**	**.85**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
James De Young (MI)	163	169.0	44.85	.85	-	-	-	-	-	-	-	100	-	-
Holyoke Water Power Co	**418**	**172.4**	**44.99**	**1.28**	**2**	**404.0**	**23.42**	**.22**	**-**	**-**	**-**	**100**	*	**-**
Mount Tom (MA)	418	172.4	44.99	1.28	2	404.0	23.42	.22	-	-	-	100	*	-
Hoosier Energy R E C Inc	**3,228**	**109.3**	**24.01**	**3.41**	**20**	**405.0**	**23.33**	**.06**	**-**	**-**	**-**	**100**	*	**-**
Frank E Ratts (IN)	680	139.7	30.94	2.92	2	413.8	23.54	.20	-	-	-	100	*	-
Merom (IN)	2,548	101.1	22.16	3.54	18	404.1	23.30	.04	-	-	-	100	*	-
Houston Lighting & Power Co	**17,434**	**198.8**	**29.70**	**.71**	**359**	**338.4**	**20.39**	**.36**	**222,016**	**177.6**	**1.84**	**53**	*	**47**
Limestone (TX)	8,105	143.0	18.20	1.05	30	369.2	21.73	.11	1,596	182.6	1.90	98	*	2
Cedar Bayou (TX)	-	-	-	-	119	338.3	20.53	.61	83,837	177.5	1.84	-	1	99
Deepwater (TX)	-	-	-	-	-	-	-	-	2,070	193.3	1.99	-	-	100
Green Bayou (TX)	-	-	-	-	31	482.7	28.10	.36	13,675	188.2	1.93	-	1	99
Robinson (TX)	-	-	-	-	45	347.2	20.90	.70	79,747	171.5	1.77	-	*	100
Bertron (TX)	-	-	-	-	3	329.9	20.13	.51	6,581	184.8	1.92	-	*	100
Wharton (TX)	-	-	-	-	4	440.0	25.72	.22	3,989	183.9	1.88	-	1	99
Parish (TX)	9,329	235.4	39.69	.41	2	514.9	29.54	.45	25,186	185.2	1.91	86	*	14
Webster (TX)	-	-	-	-	-	-	-	-	5,334	185.9	1.92	-	-	100
Storage Facility #1	-	-	-	-	125	287.7	17.50	.06	-	-	-	-	100	-
Illinois Power Co	**6,239**	**146.7**	**32.78**	**2.46**	**246**	**332.8**	**20.79**	**.77**	**949**	**244.9**	**2.49**	**98**	**1**	**1**
Baldwin (IL)	4,082	147.7	32.28	2.90	17	428.8	24.86	.30	-	-	-	100	*	-
Havana (IL)	521	144.2	36.77	.68	215	321.0	20.26	.83	-	-	-	91	9	-
Hennepin (IL)	584	143.2	30.91	2.84	-	-	-	-	131	260.5	2.67	99	-	1
Vermilion (IL)	424	119.0	25.53	2.25	3	449.3	26.04	.30	-	-	-	100	*	-
Wood River (IL)	628	163.0	39.28	.90	10	407.9	23.64	.30	818	242.4	2.47	94	*	5
Imperial Irrigation District	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,907**	**299.4**	**3.08**	**-**	**-**	**100**
El Centro (CA)	-	-	-	-	-	-	-	-	4,907	299.4	3.08	-	-	100
Independence City of	**17**	**159.9**	**39.51**	**3.46**	**3**	**680.2**	**39.25**	**.00**	**29**	**238.5**	**2.36**	**90**	**4**	**6**
Blue Valley (MO)	17	159.9	39.51	3.46	3	680.2	39.25	.00	29	238.5	2.36	90	4	6
Indiana Michigan Power Co	**7,918**	**145.5**	**27.32**	**1.01**	**200**	**417.5**	**23.98**	**.00**	**-**	**-**	**-**	**99**	**1**	**-**
Breed (IN)	755	143.1	31.16	3.87	8	450.6	25.81	.00	-	-	-	100	*	-
Tanners Creek (IN)	1,761	173.9	40.69	1.80	49	404.7	23.44	.00	-	-	-	99	1	-
Rockport (IN)	5,402	133.1	22.43	.36	143	420.2	24.07	.00	-	-	-	99	1	-
Indiana-Kentucky Electric Corp	**3,833**	**100.8**	**23.22**	**3.43**	**4**	**484.3**	**27.99**	**.18**	**-**	**-**	**-**	**100**	*	**-**
Clifty Creek (IN)	3,833	100.8	23.22	3.43	4	484.3	27.99	.18	-	-	-	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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Indianapolis Power & Light Co	**5,425**	**107.9**	**24.16**	**2.21**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Stout (IN)	1,033	131.7	29.41	1.82	-	-	-	-	-	-	-	100	-	-
Pritchard (IN)	279	121.5	27.50	1.98	-	-	-	-	-	-	-	100	-	-
Petersburg (IN)	4,113	101.0	22.62	2.33	-	-	-	-	-	-	-	100	-	-
Interstate Power Co	**1,456**	**170.0**	**33.13**	**1.55**	**8**	**420.8**	**24.75**	**0.00**	**759**	**212.8**	**2.14**	**97**	*****	**3**
Dubuque (IA)	139	100.1	21.96	2.95	*	384.3	22.60	.00	16	260.0	2.60	99	*	1
Lansing (IA)	782	210.3	36.07	.46	8	422.2	24.83	.00	-	-	-	100	*	-
Kapp (IA)	466	143.2	31.76	2.91	-	-	-	-	153	283.6	2.90	99	-	1
Fox Lake (MN)	68	138.1	31.65	1.88	-	-	-	-	590	192.7	1.93	73	-	27
Iowa Electric Light & Power Co	**487**	**147.1**	**32.44**	**2.41**	**12**	**474.9**	**27.62**	**.00**	**954**	**248.7**	**2.49**	**91**	**1**	**8**
6th St (IA)	58	145.6	32.33	2.27	-	-	-	-	449	299.2	2.99	74	-	26
Praire Creek (IA)	268	141.4	31.18	2.52	-	-	-	-	11	284.2	2.84	100	-	*
Sutherland (IA)	161	157.2	34.58	2.30	12	474.9	27.62	.00	494	202.0	2.02	86	2	12
Iowa Power & Light Co	**2,124**	**109.3**	**18.24**	**.32**	**5**	**452.2**	**25.83**	**.46**	**70**	**306.5**	**3.06**	**100**	*****	*****
Council Bluffs (IA)	2,124	109.3	18.24	.32	5	452.2	25.83	.46	70	306.5	3.06	100	*	*
Iowa Public Service Co	**4,021**	**105.1**	**18.15**	**.41**	**22**	**433.1**	**25.10**	**.00**	**357**	**232.1**	**2.32**	**99**	*****	**1**
George Neal 1-4 (IA)	4,021	105.1	18.15	.41	22	433.1	25.10	.00	357	232.1	2.32	99	*	1
Iowa Southern Utilities Co	**2,822**	**112.3**	**19.86**	**.76**	**4**	**471.9**	**27.33**	**.04**	**-**	**-**	**-**	**100**	*****	**-**
Burlington (IA)	513	110.8	24.30	2.71	2	506.5	29.33	.04	-	-	-	100	*	-
Ottumwa (IA)	2,309	112.7	18.87	.33	2	430.1	24.91	.04	-	-	-	100	*	-
Iowa-Illinois Gas&Electric Co	**2,594**	**113.9**	**19.68**	**.46**	**-**	**-**	**-**	**-**	**435**	**323.2**	**3.31**	**99**	**-**	**1**
Riverside (IA)	204	113.2	26.90	1.99	-	-	-	-	330	334.2	3.42	93	-	7
Louisa (IA)	2,390	114.0	19.07	.33	-	-	-	-	105	288.8	2.96	100	-	*
Jacksonville Electric Auth	**2,949**	**173.8**	**42.87**	**1.18**	**2,425**	**242.2**	**15.31**	**1.66**	**6,191**	**256.5**	**2.68**	**77**	**16**	**7**
St Johns River (FL)	2,949	173.8	42.87	1.18	29	394.7	23.03	.33	-	-	-	100	*	-
Kennedy (FL)	-	-	-	-	-	-	-	-	2,257	256.4	2.68	-	-	100
Northside (FL)	-	-	-	-	2,295	240.7	15.23	1.71	-	-	-	-	100	-
Southside (FL)	-	-	-	-	100	235.0	15.02	.90	3,935	256.5	2.68	-	13	87
Jamestown City of	**103**	**131.5**	**33.49**	**1.55**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Samuel A Carlson (NY)	103	131.5	33.49	1.55	-	-	-	-	-	-	-	100	-	-
Jersey Central Power&Light Co	**-**	**-**	**-**	**-**	**1,185**	**297.0**	**18.59**	**.50**	**5,561**	**276.3**	**2.84**	**-**	**56**	**44**
Werner (NJ)	-	-	-	-	158	299.6	18.67	.29	-	-	-	-	100	-
Sayreville (NJ)	-	-	-	-	542	318.7	19.85	.29	5,134	278.1	2.86	-	39	61
Gilbert (NJ)	-	-	-	-	485	272.2	17.17	.79	427	255.2	2.63	-	87	13
Kansas City City of	**1,315**	**123.1**	**22.46**	**.71**	**9**	**403.1**	**23.36**	**.00**	**1,367**	**259.2**	**2.61**	**94**	*****	**5**
Kaw (KS)	37	180.9	40.69	2.17	*	468.8	27.17	.00	1,150	249.4	2.52	42	*	58
Quindaro (KS)	374	159.4	34.82	1.41	3	400.7	23.22	.00	217	311.0	3.13	97	*	3
Nearman (KS)	904	100.2	16.61	.36	6	400.3	23.20	.00	-	-	-	100	*	-
Kansas City Power & Light Co	**7,965**	**99.6**	**17.79**	**.78**	**75**	**428.5**	**24.95**	**.24**	**136**	**229.6**	**2.33**	**100**	*****	*****
La Cygne (KS)	2,891	117.1	21.63	1.57	58	428.1	24.92	.25	-	-	-	99	1	-
Hawthorne (MO)	1,311	92.7	16.33	.25	-	-	-	-	136	229.6	2.33	99	-	1
Montrose (MO)	1,087	103.7	18.04	.36	8	407.6	23.80	.25	-	-	-	100	*	-
Iatan (MO)	2,676	81.4	14.27	.36	8	413.2	24.08	.24	-	-	-	100	*	-
Storage Facility #1	-	-	-	-	2	583.1	33.93	.15	-	-	-	-	100	-
Kansas Gas & Electric Co	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**9,494**	**190.5**	**1.82**	**-**	**-**	**100**
Evans (KS)	-	-	-	-	-	-	-	-	5,958	175.7	1.67	-	-	100
Gill (KS)	-	-	-	-	-	-	-	-	3,536	215.2	2.08	-	-	100
Kansas Power & Light Co	**9,072**	**130.4**	**22.82**	**.36**	**-**	**-**	**-**	**-**	**1,386**	**190.6**	**1.94**	**99**	**-**	**1**
Hutchinson (KS)	-	-	-	-	-	-	-	-	911	189.0	1.91	-	-	100
Lawrence (KS)	1,031	129.3	27.12	.52	-	-	-	-	296	193.8	2.01	99	-	1
Tecumseh (KS)	528	129.0	26.79	.51	-	-	-	-	178	193.7	2.01	98	-	2
Jeffrey Energy Cnt (KS)	7,513	130.6	21.95	.33	-	-	-	-	-	-	-	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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Kentucky Power Co	**2,636**	**118.2**	**28.14**	**1.20**	**33**	**478.7**	**27.85**	**0.00**	**-**	**-**	**-**	**100**	*****	**-**
Big Sandy (KY)	2,636	118.2	28.14	1.20	33	478.7	27.85	.00	-	-	-	100	*	-
Kentucky Utilities Co	**5,104**	**116.8**	**28.05**	**1.76**	**42**	**493.2**	**29.00**	**.40**	**-**	**-**	**-**	**100**	*****	**-**
Brown (KY)	1,313	105.3	25.41	2.14	10	490.0	28.81	.40	-	-	-	100	*	-
Ghent (KY)	3,284	123.5	29.64	1.55	29	496.4	29.19	.40	-	-	-	100	*	-
Green River (KY)	451	101.7	24.03	2.28	2	469.0	27.58	.40	-	-	-	100	*	-
Tyrone (KY)	56	119.9	28.78	.88	-	-	-	-	-	-	-	100	-	-
Lafayette City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**5,852**	**178.3**	**1.87**	**-**	**-**	**100**
Bonin (LA)	-	-	-	-	-	-	-	-	5,852	178.3	1.87	-	-	100
Lake Worth City of	**-**	**-**	**-**	**-**	**5**	**366.7**	**22.81**	**2.02**	**889**	**240.8**	**2.47**	**-**	**3**	**97**
Tom G Smith (FL)	-	-	-	-	5	366.7	22.81	2.02	889	240.8	2.47	-	3	97
Lakeland City of	**724**	**211.7**	**52.06**	**1.29**	**263**	**322.0**	**20.08**	**1.40**	**2,391**	**267.8**	**2.74**	**81**	**7**	**11**
Larsen Mem (FL)	-	-	-	-	32	315.3	19.82	2.19	215	273.7	2.80	-	48	52
Plant 3-Mcintosh (FL)	724	211.7	52.06	1.29	231	322.9	20.11	1.30	2,175	267.2	2.74	83	7	10
Lansing City of	**1,166**	**184.2**	**47.97**	**.86**	**13**	**442.0**	**25.75**	**.50**	**-**	**-**	**-**	**100**	*****	**-**
Eckert (MI)	706	185.3	48.32	.86	10	442.0	25.79	.49	-	-	-	100	*	-
Erickson (MI)	455	182.1	47.35	.85	1	442.0	25.63	.52	-	-	-	100	*	-
Ottawa (MI)	5	211.5	56.19	.88	2	442.0	25.65	.51	-	-	-	91	9	-
Long Island Lighting Co	**-**	**-**	**-**	**-**	**18,126**	**287.5**	**18.23**	**.82**	**22,858**	**224.9**	**2.32**	**-**	**83**	**17**
Barrett (NY)	-	-	-	-	751	338.4	21.01	.34	11,281	225.8	2.33	-	29	71
Far Rockaway (NY)	-	-	-	-	343	337.9	21.09	.29	3,691	241.5	2.49	-	36	64
Glenwood (NY)	-	-	-	-	724	324.5	20.22	.34	7,886	215.9	2.22	-	36	64
Northport (NY)	-	-	-	-	12,540	281.4	17.90	.85	-	-	-	-	100	-
Port Jefferson (NY)	-	-	-	-	3,768	286.2	18.14	.97	-	-	-	-	100	-
Los Angeles City of	**4,660**	**145.4**	**34.31**	**.53**	**2,336**	**332.9**	**20.41**	**.20**	**49,521**	**250.8**	**2.62**	**62**	**8**	**29**
Harbor (CA)	-	-	-	-	53	304.3	19.33	.21	674	236.6	2.47	-	32	68
Haynes (CA)	-	-	-	-	2,173	334.2	20.46	.20	28,046	245.6	2.57	-	31	69
Scattergood (CA)	-	-	-	-	75	314.8	19.85	.21	16,203	253.6	2.64	-	3	97
Valley (CA)	-	-	-	-	35	335.0	20.42	.20	4,598	275.2	2.90	-	4	96
Intermountain (UT)	4,660	145.4	34.31	.53	-	-	-	-	-	-	-	100	-	-
Louisiana Power & Light Co	**-**	**-**	**-**	**-**	**352**	**422.1**	**26.15**	**.63**	**111,678**	**146.7**	**1.53**	**-**	**2**	**98**
Little Gypsy (LA)	-	-	-	-	43	553.6	32.97	.26	29,151	113.5	1.19	-	1	99
Nine Mile (LA)	-	-	-	-	134	509.5	31.47	.34	53,840	148.9	1.55	-	1	99
Sterlington (LA)	-	-	-	-	23	507.3	29.87	.33	5,272	185.8	1.97	-	2	98
Waterford (LA)	-	-	-	-	153	300.8	19.03	1.02	23,415	173.9	1.82	-	4	96
Louisville Gas & Electric Co	**4,374**	**114.2**	**26.21**	**2.99**	**37**	**510.7**	**30.03**	**.19**	**275**	**259.7**	**2.66**	**100**	*****	*****
Cane Run (KY)	1,016	115.8	26.60	2.98	1	582.8	34.27	.18	198	253.3	2.60	99	*	1
Mill Creek (KY)	3,358	113.7	26.09	3.00	35	507.6	29.85	.19	77	276.0	2.83	100	*	*
Lower Colorado River Authority	**5,998**	**129.3**	**22.36**	**.37**	**16**	**387.0**	**22.92**	**.00**	**18,714**	**180.8**	**1.88**	**84**	*****	**16**
Gideon (TX)	-	-	-	-	5	369.9	21.91	.00	11,884	177.2	1.82	-	*	100
T C Ferguson (TX)	-	-	-	-	-	-	-	-	6,830	186.9	1.97	-	-	100
S Seymour-Fayette (TX)	5,998	129.3	22.36	.37	11	394.7	23.38	.00	-	-	-	100	*	-
Lubbock City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6,663**	**235.0**	**2.45**	**-**	**-**	**100**
Holly Ave (TX)	-	-	-	-	-	-	-	-	6,285	238.6	2.49	-	-	100
Plant 2 (TX)	-	-	-	-	-	-	-	-	378	173.7	1.78	-	-	100
Madison Gas & Electric Co	**122**	**163.8**	**39.88**	**1.96**	**-**	**-**	**-**	**-**	**419**	**337.8**	**3.39**	**88**	**-**	**12**
Blount (WI)	122	163.8	39.88	1.96	-	-	-	-	419	337.8	3.39	88	-	12
Manitowoc City of	**114**	**178.0**	**46.73**	**.85**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Manitowoc (WI)	114	178.0	46.73	.85	-	-	-	-	-	-	-	100	-	-
Marquette City of	**143**	**189.4**	**33.51**	**.52**	**1**	**469.0**	**27.18**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Shiras (MI)	143	189.4	33.51	.52	1	469.0	27.18	.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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Medina Electric Coop Inc	-	-	-	-	*	576.0	34.84	0.00	122	222.2	2.48	-	2	98
Pearsall (TX)	-	-	-	-	*	576.0	34.84	.00	122	222.2	2.48	-	2	98
Metropolitan Edison Co	1,086	167.4	44.21	1.65	55	437.9	25.07	.26	-	-	-	99	1	-
Portland (PA)	580	163.2	43.06	1.86	40	449.2	25.69	.25	-	-	-	99	1	-
Titus (PA)	507	172.1	45.54	1.40	16	409.3	23.49	.26	-	-	-	99	1	-
Michigan South Central Pwr Agy	130	199.4	47.17	3.24	-	-	-	-	-	-	-	100	-	-
Project I (MI)	130	199.4	47.17	3.24	-	-	-	-	-	-	-	100	-	-
Minnesota Power & Light Co	3,950	135.4	23.51	.72	18	443.2	25.50	.00	-	-	-	100	*	-
Aurora-Syl Laskin (MN)	108	179.7	31.52	.82	2	472.6	27.19	.00	-	-	-	99	1	-
Boswell (MN)	3,842	134.1	23.29	.72	16	439.8	25.31	.00	-	-	-	100	*	-
Minnkota Power Coop Inc	3,767	48.6	6.56	.75	9	430.1	25.29	.40	-	-	-	100	*	-
Young (ND)	3,767	48.6	6.56	.75	9	430.1	25.29	.40	-	-	-	100	*	-
Mississippi Power & Light Co	-	-	-	-	1,268	261.2	16.54	2.79	18,761	190.7	1.96	-	29	71
Wilson (MS)	-	-	-	-	785	266.0	16.86	2.74	586	218.2	2.27	-	89	11
Delta (MS)	-	-	-	-	-	-	-	-	1,373	189.9	1.95	-	-	100
Brown (MS)	-	-	-	-	12	428.7	26.35	2.44	7,762	191.7	1.98	-	1	99
Gerald Andrus (MS)	-	-	-	-	471	249.0	15.76	2.87	9,039	188.1	1.93	-	24	76
Mississippi Power Co	2,723	158.7	40.35	1.73	29	542.1	31.33	.25	11,239	[2] 172.4	1.77	86	*	14
Eaton (MS)	-	-	-	-	*	374.6	21.79	.20	114	195.9	2.01	-	2	98
Sweatt (MS)	-	-	-	-	6	505.5	29.41	.16	39	[2] 190.9	2.17	-	46	54
Watson (MS)	1,618	143.9	35.96	2.42	6	671.8	38.94	.34	11,086	[2] 172.1	1.76	78	*	22
Daniel (MS)	1,105	179.5	46.78	.71	16	510.6	29.39	.24	-	-	-	100	*	-
Missouri Public Service Comm	796	156.5	34.31	3.07	-	-	-	-	-	-	-	100	-	-
Sibley (MO)	796	156.5	34.31	3.07	-	-	-	-	-	-	-	100	-	-
Monongahela Power Co	11,725	127.7	32.35	2.55	112	453.8	26.88	.29	129	458.8	4.59	100	*	*
Albright (WV)	738	106.8	26.40	1.61	8	473.7	28.05	.12	-	-	-	100	*	-
Ft Martin (WV)	2,788	142.4	35.50	1.75	37	459.5	27.21	.30	-	-	-	100	*	-
Harrison (WV)	4,734	130.1	34.09	3.05	3	462.9	27.41	.30	129	458.8	4.59	100	*	*
Rivesville (WV)	296	121.3	29.88	.89	4	449.8	26.64	.30	-	-	-	100	*	-
Willow Island (WV)	500	120.9	30.37	1.32	3	464.6	27.52	.30	-	-	-	100	*	-
Pleasants (WV)	2,668	115.2	28.24	3.20	56	446.2	26.42	.30	-	-	-	99	1	-
Montana Power Co	9,989	56.8	9.72	.66	51	408.2	22.52	.00	326	110.8	1.34	100	*	*
Corette (MT)	625	69.2	11.89	.61	-	-	-	-	326	110.8	1.34	96	-	4
Colstrip (MT)	9,364	56.0	9.58	.67	51	408.2	22.52	.00	-	-	-	100	*	-
Montana-Dakota Utilities Co	2,637	80.7	11.03	.95	22	436.9	25.06	.30	4	375.8	4.24	100	*	*
Heskett (ND)	439	105.0	14.62	1.02	-	-	-	-	*	439.1	4.61	100	-	*
Lewis and Clark (MT)	235	102.9	13.53	.54	-	-	-	-	4	371.3	4.21	100	-	*
Coyote (ND)	1,962	72.6	9.93	.98	22	436.9	25.06	.30	-	-	-	100	*	-
Montaup Electric Co	524	173.4	45.67	1.14	140	318.2	19.69	.76	-	-	-	94	6	-
Somerset (MA)	524	173.4	45.67	1.14	140	318.2	19.69	.76	-	-	-	94	6	-
Muscatine City of	536	192.4	42.95	3.00	4	454.3	26.43	.00	2	297.4	2.97	100	*	*
Muscatine (IA)	536	192.4	42.95	3.00	4	454.3	26.43	.00	2	297.4	2.97	100	*	*
Nebraska Public Power District	4,176	90.3	15.91	.37	2	449.1	26.06	.28	412	310.3	2.98	99	*	1
Sheldon (NE)	642	82.9	14.72	.40	-	-	-	-	95	237.4	2.37	99	-	1
Gerald Gentleman (NE)	3,534	91.6	16.13	.36	2	449.1	26.06	.28	317	333.3	3.17	99	*	*
Nevada Power Co	1,503	193.6	45.96	.63	212	298.8	18.54	.85	3,505	308.4	3.22	88	3	9
Clark (NV)	-	-	-	-	159	296.7	18.45	.88	2,231	304.6	3.18	-	30	70
Gardner (NV)	1,503	193.6	45.96	.63	13	512.9	29.84	.16	-	-	-	100	*	-
Sunrise (NV)	-	-	-	-	40	241.2	15.19	.93	1,274	315.0	3.28	-	16	84
New England Power Co	3,445	156.7	40.68	1.24	8,366	284.8	18.02	1.95	2,239	241.2	2.49	62	37	2

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

Table 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
New England Power Co														
Brayton (MA)	2,591	155.4	40.43	1.26	3,550	296.2	18.78	2.00	-	-	-	75	25	-
Salem Harbor (MA)	855	160.6	41.43	1.16	4,100	277.5	17.53	2.08	-	-	-	46	54	-
Manchester St (RI)	-	-	-	-	715	270.3	17.00	.96	1,467	243.2	2.51	-	75	25
South St (RI)	-	-	-	-	-	-	-	-	771	237.4	2.45	-	-	100
New Orleans Public Service Inc	**-**	**-**	**-**	**-**	**26**	**277.4**	**17.74**	**1.49**	**19,336**	**187.9**	**1.93**	**-**	**1**	**99**
Michoud (LA)	-	-	-	-	26	277.4	17.74	1.49	19,336	187.9	1.93	-	1	99
New York State Elec & Gas Corp	**[1] 4,019**	**150.4**	**37.45**	**1.90**	**40**	**457.1**	**26.30**	**.14**	**-**	**-**	**-**	**100**	*****	**-**
Goudey (NY)	419	152.0	37.71	1.81	15	446.8	25.71	.14	-	-	-	99	1	-
Greenidge (NY)	453	148.0	36.33	1.91	10	454.3	26.14	.14	-	-	-	99	1	-
Hickling (NY)	[1] 333	139.1	31.04	1.11	-	-	-	-	-	-	-	100	-	-
Jennison (NY)	[1] 273	164.3	34.98	1.00	-	-	-	-	-	-	-	100	-	-
Milliken (NY)	804	157.7	38.65	1.69	4	445.9	25.66	.14	-	-	-	100	*	-
Somerset (NY)	1,737	147.6	38.74	2.31	11	477.4	27.47	.14	-	-	-	100	*	-
Niagara Mohawk Power Corp	**3,467**	**146.3**	**38.29**	**1.83**	**9,732**	**288.0**	**18.18**	**1.13**	**25,782**	**249.2**	**2.53**	**51**	**34**	**15**
Albany (NY)	-	-	-	-	732	277.4	17.68	1.42	22,393	244.8	2.49	-	17	83
Huntley (NY)	2,030	150.6	39.63	1.66	-	-	-	-	-	-	-	100	-	-
Dunkirk (NY)	1,437	140.0	36.39	2.07	-	-	-	-	-	-	-	100	-	-
Oswego (NY)	-	-	-	-	9,000	288.9	18.22	1.10	3,389	278.2	2.83	-	94	6
Northern Indiana Pub Serv Co	**[1] 6,476**	**155.9**	**33.69**	**1.82**	**-**	**-**	**-**	**-**	**3,528**	**260.2**	**2.60**	**98**	**-**	**2**
Bailly (IN)	1,202	130.1	29.64	2.76	-	-	-	-	190	255.0	2.55	99	-	1
Mitchell (IN)	1,350	136.6	26.04	.43	-	-	-	-	118	262.1	2.62	100	-	*
Michigan City (IN)	873	165.1	36.81	2.31	-	-	-	-	2,968	260.6	2.61	87	-	13
Rollin Schahfer (IN)	[1] 3,051	171.1	37.78	1.93	-	-	-	-	251	259.1	2.59	100	-	*
Northern States Power Co	**[1] 11,998**	**113.3**	**19.96**	**.48**	**-**	**-**	**-**	**-**	**783**	**237.8**	**2.39**	**100**	**-**	*****
Black Dog (MN)	454	135.6	23.85	.34	-	-	-	-	254	251.0	2.53	97	-	3
High Bridge (MN)	612	103.9	18.23	.25	-	-	-	-	347	214.5	2.16	97	-	3
King (MN)	[1] 1,693	113.3	20.35	.74	-	-	-	-	14	198.4	2.00	100	-	*
Riverside (MN)	[1] 966	102.9	18.47	.44	-	-	-	-	168	269.2	2.71	99	-	1
Sherburne County (MN)	8,273	114.1	19.96	.45	-	-	-	-	-	-	-	100	-	-
Ohio Edison Co	**7,976**	**122.7**	**29.67**	**2.16**	**52**	**434.0**	**25.01**	**.28**	**-**	**-**	**-**	**100**	*****	**-**
Edgewater (OH)	204	130.8	31.07	2.28	9	426.9	24.64	.21	-	-	-	99	1	-
Gorge Steam (OH)	150	122.0	29.17	2.13	3	429.2	24.74	.22	-	-	-	100	*	-
Niles (OH)	629	105.9	25.03	3.20	4	441.2	25.35	.20	-	-	-	100	*	-
Burger (OH)	1,236	114.0	27.05	2.95	6	447.8	25.86	.35	-	-	-	100	*	-
Sammis (OH)	5,339	127.8	31.20	1.74	28	433.2	24.95	.30	-	-	-	100	*	-
Toronto (OH)	417	103.5	24.38	3.57	2	428.3	24.59	.32	-	-	-	100	*	-
Ohio Power Co	**13,445**	**178.9**	**41.09**	**3.33**	**183**	**448.2**	**25.90**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Muskingum (OH)	3,887	171.0	38.80	4.35	48	467.7	26.73	.00	-	-	-	100	*	-
Kammer (WV)	1,838	125.6	30.42	4.17	4	476.2	27.09	.00	-	-	-	100	*	-
Mitchell (WV)	2,314	193.0	45.73	1.22	94	445.9	25.98	.00	-	-	-	99	1	-
Gavin (OH)	5,405	197.9	44.39	3.22	35	424.4	24.42	.00	-	-	-	100	*	-
Ohio Valley Electric Corp	**3,182**	**104.1**	**24.95**	**3.81**	**5**	**495.8**	**28.75**	**.18**	**-**	**-**	**-**	**100**	*****	**-**
Kyger Creek (OH)	3,182	104.1	24.95	3.81	5	495.8	28.75	.18	-	-	-	100	*	-
Oklahoma Gas & Electric Co	**6,517**	**137.1**	**24.93**	**.43**	**10**	**394.0**	**22.43**	**.27**	**90,137**	**296.8**	**3.08**	**56**	*****	**44**
Horseshoe Lake (OK)	-	-	-	-	-	-	-	-	30,215	295.5	3.06	-	-	100
Muskogee (OK)	3,833	135.6	24.81	.43	-	-	-	-	7,104	298.7	3.10	90	-	10
Mustang (OK)	-	-	-	-	-	-	-	-	7,784	299.7	3.11	-	-	100
Seminole (OK)	-	-	-	-	-	-	-	-	45,035	296.8	3.08	-	-	100
Sooner (OK)	2,683	139.3	25.09	.43	10	394.0	22.43	.27	-	-	-	100	*	-
Omaha Public Power District	**2,640**	**66.9**	**11.15**	**.35**	**9**	**431.7**	**24.93**	**.10**	**444**	**245.2**	**2.43**	**99**	*****	**1**
North Omaha (NE)	1,463	67.2	11.14	.36	-	-	-	-	444	245.2	2.43	98	-	2
Nebraska City (NE)	1,177	66.7	11.17	.35	9	431.7	24.93	.10	-	-	-	100	*	-
Orange & Rockland Utils Inc	**590**	**215.5**	**55.68**	**.58**	**6,012**	**316.7**	**19.71**	**.32**	**24,666**	**252.9**	**2.61**	**20**	**48**	**33**

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

Table 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Orange & Rockland Utils Inc														
Bowline (NY)	-	-	-	-	5,957	317.1	19.73	0.32	18,496	249.8	2.58	-	66	34
Lovett (NY)	590	215.5	55.68	0.58	55	281.2	17.62	.36	6,169	261.9	2.70	69	2	29
Orlando Utilities Comm	**1,074**	**189.2**	**48.15**	**.74**	**485**	**237.2**	**15.23**	**1.39**	**12,739**	**252.8**	**2.59**	**63**	**7**	**30**
Stanton Energy (FL)	1,074	189.2	48.15	.74	11	371.1	22.64	.61	-	-	-	100	*	-
Indian River (FL)	-	-	-	-	474	234.3	15.06	1.41	12,739	252.8	2.59	-	19	81
Otter Tail Power Co	**2,312**	**124.2**	**16.08**	**.84**	**13**	**445.7**	**26.21**	**.31**	**-**	**-**	**-**	**100**	*****	**-**
Hoot Lake (MN)	249	124.8	23.12	.40	4	434.0	25.52	.31	-	-	-	100	*	-
Big Stone (SD)	2,063	124.1	15.24	.89	10	450.2	26.47	.31	-	-	-	100	*	-
Owensboro City of	**792**	**108.9**	**23.22**	**2.86**	**3**	**515.2**	**29.89**	**.38**	**-**	**-**	**-**	**100**	*****	**-**
Smith (KY)	792	108.9	23.22	2.86	3	515.2	29.89	.38	-	-	-	100	*	-
Pacific Gas & Electric Co	**-**	**-**	**-**	**-**	**4,043**	**279.7**	**17.28**	**.54**	**226,309**	**284.4**	**2.94**	**-**	**10**	**90**
Contra Costa (CA)	-	-	-	-	-	-	-	-	27,598	284.4	2.92	-	-	100
Humboldt Bay (CA)	-	-	-	-	43	239.0	15.32	1.70	2,610	280.6	2.87	-	9	91
Hunters Point (CA)	-	-	-	-	-	-	-	-	14,851	287.3	2.93	-	-	100
Morro Bay (CA)	-	-	-	-	943	293.0	17.97	.38	37,383	283.2	2.96	-	13	87
Moss Landing (CA)	-	-	-	-	1,412	265.1	16.37	.61	62,864	282.8	2.95	-	12	88
Pittsburg (CA)	-	-	-	-	1,469	283.9	17.60	.57	69,838	285.9	2.93	-	11	89
Potrero (CA)	-	-	-	-	176	301.9	18.62	.28	11,165	285.2	2.90	-	9	91
PacifiCorp	**28,472**	**102.9**	**19.24**	**.58**	**143**	**428.4**	**25.21**	**.30**	**87**	**348.1**	**3.61**	**100**	*****	*****
Carbon (UT)	557	108.1	26.09	.58	1	463.5	27.25	.30	-	-	-	100	*	-
Centralia (WA)	5,606	155.6	25.40	.66	23	452.3	26.78	.30	-	-	-	100	*	-
Johnston (WY)	3,870	61.6	9.79	.39	23	428.2	24.68	.30	-	-	-	100	*	-
Naughton (WY)	2,571	113.3	21.71	.88	5	421.4	24.78	.30	87	348.1	3.61	100	*	*
Wyodak (WY)	1,444	61.2	9.75	.63	9	439.9	26.05	.30	-	-	-	100	*	-
Emery-Hunter (UT)	4,076	87.3	19.06	.47	26	451.0	26.52	.30	-	-	-	100	*	-
Jim Bridger (WY)	7,599	105.9	19.94	.59	44	402.1	23.81	.30	-	-	-	100	*	-
Huntington (UT)	2,749	87.4	19.63	.45	12	422.8	24.86	.30	-	-	-	100	*	-
Painesville City of	**61**	**133.0**	**33.89**	**2.77**	**-**	**-**	**-**	**-**	**8**	**[2] 448.1**	**4.48**	**99**	**-**	**1**
Painesville (OH)	61	133.0	33.89	2.77	-	-	-	-	8	[2] 448.1	4.48	99	-	1
Pasadena City of	**-**	**-**	**-**	**-**	**99**	**354.2**	**22.12**	**.14**	**4,524**	**278.8**	**2.88**	**-**	**12**	**88**
Broadway (CA)	-	-	-	-	99	354.2	22.12	.14	4,524	278.8	2.88	-	12	88
Pennsylvania Electric Co	**16,307**	**135.5**	**32.93**	**1.76**	**228**	**422.1**	**24.61**	**.05**	**-**	**-**	**-**	**100**	*****	**-**
Conemaugh (PA)	4,304	140.5	34.77	2.07	41	439.1	25.60	.05	-	-	-	100	*	-
Front St (PA)	271	137.8	33.90	1.77	2	387.0	22.56	.05	-	-	-	100	*	-
Homer City (PA)	4,839	144.2	33.99	1.60	52	415.3	24.21	.05	-	-	-	100	*	-
Seward (PA)	588	125.6	30.19	1.50	31	430.1	25.07	.05	-	-	-	99	1	-
Shawville (PA)	1,579	110.1	26.79	1.94	59	420.1	24.49	.05	-	-	-	99	1	-
Warren (PA)	272	123.2	30.07	1.64	-	-	-	-	-	-	-	100	-	-
Keystone (PA)	4,454	132.6	32.64	1.59	43	412.9	24.07	.05	-	-	-	100	*	-
Pennsylvania Power & Light Co	**[1] 9,634**	**162.5**	**39.72**	**1.80**	**6,492**	**276.7**	**17.56**	**.88**	**-**	**-**	**-**	**85**	**15**	**-**
Brunner Island (PA)	3,656	169.5	42.16	1.73	51	425.9	24.79	.12	-	-	-	100	*	-
Holtwood (PA)	[1] 302	103.6	20.49	2.17	-	-	-	-	-	-	-	100	-	-
Martins Creek (PA)	658	191.6	48.39	1.98	-	-	-	-	-	-	-	100	-	-
Montour (PA)	3,737	167.7	41.86	1.71	41	403.5	23.51	.14	-	-	-	100	*	-
Sunbury (PA)	[1] 1,281	118.7	26.58	2.04	-	-	-	-	-	-	-	100	-	-
Storage Facility #1	-	-	-	-	6,400	274.8	17.47	.89	-	-	-	-	100	-
Pennsylvania Power Co	**6,330**	**149.3**	**36.17**	**3.69**	**113**	**406.9**	**23.42**	**.30**	**-**	**-**	**-**	**100**	*****	**-**
New Castle (PA)	853	124.9	30.64	1.53	12	463.2	26.82	.22	-	-	-	100	*	-
Bruce Mansfield (PA)	5,477	153.2	37.03	4.03	102	400.3	23.02	.31	-	-	-	100	*	-
Philadelphia Electric Co	**1,223**	**163.1**	**42.55**	**1.50**	**4,991**	**304.2**	**19.16**	**.54**	**-**	**-**	**-**	**50**	**50**	**-**
Cromby (PA)	251	162.3	42.09	1.54	-	-	-	-	-	-	-	100	-	-
Delaware (PA)	-	-	-	-	1,239	303.0	19.06	.45	-	-	-	-	100	-
Eddystone (PA)	972	163.3	42.67	1.49	2,265	312.3	19.59	.42	-	-	-	64	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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Philadelphia Electric Co														
Schuylkill (PA)	-	-	-	-	436	336.7	20.98	0.42	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	1,051	275.2	17.59	.93	-	-	-	-	100	-
Plains Elec Gen&Trans Coop Inc	**921**	**137.2**	**25.85**	**0.68**	**-**	**-**	**-**	**-**	**16**	**445.3**	**3.78**	**100**	**-**	*****
Escalante (NM)	921	137.2	25.85	.68	-	-	-	-	16	445.3	3.78	100	-	*
Platte River Power Authority	**1,157**	**71.3**	**12.53**	**.30**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Rawhide (CO)	1,157	71.3	12.53	.30	-	-	-	-	-	-	-	100	-	-
Portland General Electric Co	**-**	**-**	**-**	**-**	**12**	**452.8**	**26.59**	**.16**	**-**	**-**	**-**	**-**	**100**	**-**
Boardman (OR)	-	-	-	-	12	452.8	26.59	.16	-	-	-	-	100	-
Potomac Edison Co	**238**	**141.9**	**36.65**	**.99**	**6**	**403.6**	**23.90**	**.30**	**-**	**-**	**-**	**99**	**1**	**-**
Smith (MD)	238	141.9	36.65	.99	6	403.6	23.90	.30	-	-	-	99	1	-
Potomac Electric Power Co	**6,258**	**166.9**	**42.08**	**1.58**	**5,553**	**293.0**	**18.23**	**1.26**	**11,224**	**252.0**	**2.63**	**77**	**17**	**6**
Benning (DC)	-	-	-	-	1,297	345.6	20.78	.88	-	-	-	-	100	-
Chalk (MD)	1,289	170.1	42.69	1.79	4,118	274.0	17.27	1.42	11,224	252.0	2.63	46	37	17
Dickerson (MD)	1,181	139.8	35.23	1.53	27	415.8	24.15	.20	-	-	-	99	1	-
Morgantown (MD)	2,664	169.1	42.50	1.82	77	384.0	22.31	.20	-	-	-	99	1	-
Potomac River (VA)	1,124	186.3	47.58	.79	34	405.8	23.58	.20	-	-	-	99	1	-
Power Authority of State of NY	**-**	**-**	**-**	**-**	**1,505**	**287.7**	**17.78**	**.27**	**18,168**	**246.6**	**2.54**	**-**	**33**	**67**
Poletti (NY)	-	-	-	-	1,505	287.7	17.78	.27	18,168	246.6	2.54	-	33	67
Public Service Co of Colorado	**7,230**	**110.6**	**20.94**	**.36**	**29**	**406.7**	**23.40**	**.35**	**3,947**	**[2] 216.5**	**2.11**	**97**	*****	**3**
Araphoe (CO)	577	117.8	26.15	.43	-	-	-	-	75	213.8	2.08	99	-	1
Cameo (CO)	166	116.4	26.81	.48	*	395.5	22.76	.50	116	324.3	3.37	97	*	3
Cherokee (CO)	1,697	113.3	24.37	.39	-	-	-	-	3,497	209.7	2.04	91	-	9
Comanche (CO)	2,338	110.4	18.74	.32	9	431.3	24.82	.35	11	202.5	2.01	100	*	*
Valmont (CO)	598	107.5	23.50	.40	-	-	-	-	48	[2] 451.4	4.47	100	-	*
Zuni (CO)	-	-	-	-	-	-	-	-	200	212.0	2.06	-	-	100
Pawnee (CO)	1,854	105.4	17.62	.32	20	395.5	22.75	.35	-	-	-	100	*	-
Public Service Co of IN Inc	**10,814**	**148.5**	**32.30**	**2.35**	**168**	**424.6**	**24.43**	**.30**	**-**	**-**	**-**	**100**	*****	**-**
Cayuga (IN)	2,406	121.9	26.65	2.21	17	440.8	25.36	.30	-	-	-	100	*	-
Edwardsport (IN)	55	92.0	19.87	2.49	6	471.5	27.13	.30	-	-	-	97	3	-
Noblesville (IN)	9	114.4	25.83	2.17	4	419.5	24.14	.30	-	-	-	90	10	-
Gallagher (IN)	884	133.7	29.25	2.32	31	427.6	24.61	.30	-	-	-	99	1	-
Wabash River (IN)	930	123.9	26.96	2.11	54	434.1	24.98	.30	-	-	-	98	2	-
Gibson Station (IN)	6,530	164.5	35.67	2.43	56	403.9	23.24	.30	-	-	-	100	*	-
Public Service Co of NH	**1,064**	**172.8**	**46.18**	**2.00**	**5,102**	**226.9**	**14.85**	**1.87**	**-**	**-**	**-**	**46**	**54**	**-**
Merrimack (NH)	1,024	171.8	45.94	2.04	3	450.1	26.21	.15	-	-	-	100	*	-
Schiller (NH)	40	200.6	52.33	.76	191	204.9	13.33	1.94	-	-	-	46	54	-
Newington Station (NH)	-	-	-	-	4,908	227.7	14.91	1.87	-	-	-	-	100	-
Public Service Co of NM	**5,972**	**148.1**	**28.54**	**.82**	**65**	**378.3**	**22.17**	**.81**	**438**	**360.1**	**3.85**	**99**	*****	*****
Reeves (NM)	-	-	-	-	-	-	-	-	438	360.1	3.85	-	-	100
San Juan (NM)	5,972	148.1	28.54	.82	65	378.3	22.17	.81	-	-	-	100	*	-
Public Service Co of Oklahoma	**2,604**	**165.3**	**29.39**	**.49**	**-**	**-**	**-**	**-**	**58,092**	**290.2**	**3.05**	**43**	**-**	**57**
Northeastern (OK)	2,604	165.3	29.39	.49	-	-	-	-	16,837	290.1	3.07	72	-	28
Southwestern (OK)	-	-	-	-	-	-	-	-	8,240	292.1	3.15	-	-	100
Riverside (OK)	-	-	-	-	-	-	-	-	33,015	289.8	3.01	-	-	100
Public Service Electric&Gas Co	**2,380**	**174.7**	**46.88**	**.82**	**4,773**	**314.7**	**19.48**	**.31**	**31,998**	**238.9**	**2.47**	**50**	**23**	**26**
Bergen (NJ)	-	-	-	-	896	344.6	21.34	.28	12,572	240.2	2.48	-	30	70
Burlington (NJ)	-	-	-	-	672	294.0	18.41	.46	-	-	-	-	100	-
Hudson (NJ)	1,203	176.3	45.83	.81	80	285.1	17.64	.27	11,760	239.2	2.49	71	1	28
Kearny (NJ)	-	-	-	-	449	305.8	18.85	.28	-	-	-	-	100	-
Linden (NJ)	-	-	-	-	2,218	303.0	18.72	.28	-	-	-	-	100	-
Mercer (NJ)	1,177	173.1	47.94	.84	-	-	-	-	1,506	238.2	2.45	95	-	5
Sewaren (NJ)	-	-	-	-	458	357.0	22.06	.28	6,159	236.2	2.43	-	31	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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Puget Sound Power & Light Co	-	-	-	-	30	253.6	15.98	0.00	-	-	-	-	100	-
Shuffleton (WA)	-	-	-	-	30	253.6	15.98	.00	-	-	-	-	100	-
Richmond City of	225	161.7	36.19	2.49	-	-	-	-	-	-	-	100	-	-
Whitewater (IN)	225	161.7	36.19	2.49	-	-	-	-	-	-	-	100	-	-
Rochester City of	57	194.2	47.19	1.64	-	-	-	-	591	205.6	2.07	70	-	30
Silver Lake (MN)	57	194.2	47.19	1.64	-	-	-	-	591	205.6	2.07	70	-	30
Rochester Gas & Electric Corp	853	157.4	41.31	2.06	-	-	-	-	-	-	-	100	-	-
Rochester 3 (NY)	192	157.9	41.83	2.10	-	-	-	-	-	-	-	100	-	-
Rochester 7 (NY)	661	157.3	41.16	2.05	-	-	-	-	-	-	-	100	-	-
Ruston City of	-	-	-	-	-	-	-	-	1,596	192.8	2.03	-	-	100
Steam Plant (LA)	-	-	-	-	-	-	-	-	1,596	192.8	2.03	-	-	100
S Mississippi Elec Pwr Assn	731	199.2	49.52	.93	10	372.9	21.62	.29	6,662	181.1	1.83	73	*	27
Moselle (MS)	-	-	-	-	-	-	-	-	6,662	181.1	1.83	-	-	100
R D Morrow (MS)	731	199.2	49.52	.93	10	372.9	21.62	.29	-	-	-	100	*	-
Salt River Proj Ag I & P Dist	9,198	115.8	25.21	.49	195	385.5	23.07	.48	13,847	223.3	2.32	93	1	7
Agua Fria (AZ)	-	-	-	-	52	272.6	17.06	1.10	12,969	223.4	2.32	-	2	98
Kyrene (AZ)	-	-	-	-	17	268.9	16.75	.81	878	221.2	2.29	-	10	90
Navajo (AZ)	7,769	97.7	21.61	.49	84	450.3	26.23	.18	-	-	-	100	*	-
Coronado (AZ)	1,429	225.1	44.77	.45	42	455.4	26.71	.18	-	-	-	99	1	-
San Antonio City of	3,148	136.1	22.71	.34	-	-	-	-	44,017	192.0	1.96	54	-	46
Leon Creek (TX)	-	-	-	-	-	-	-	-	173	186.8	1.91	-	-	100
Mission Rd (TX)	-	-	-	-	-	-	-	-	10	171.3	1.73	-	-	100
Sommers (TX)	-	-	-	-	-	-	-	-	22,204	192.5	1.96	-	-	100
Braunig (TX)	-	-	-	-	-	-	-	-	19,269	190.8	1.95	-	-	100
Tuttle (TX)	-	-	-	-	-	-	-	-	2,362	196.7	2.08	-	-	100
J T Deely (TX)	3,148	136.1	22.71	.34	-	-	-	-	-	-	-	100	-	-
San Diego Gas & Electric Co	-	-	-	-	1,465	313.1	19.27	.37	40,057	240.8	2.49	-	18	82
Encina (CA)	-	-	-	-	1,134	313.9	19.26	.37	22,255	238.3	2.48	-	23	77
South Bay (CA)	-	-	-	-	331	310.1	19.32	.39	17,802	243.9	2.52	-	10	90
San Miguel Electric Coop Inc	2,984	84.9	9.11	1.69	*	344.6	20.13	.54	-	-	-	100	*	-
San Miquel (TX)	2,984	84.9	9.11	1.69	*	344.6	20.13	.54	-	-	-	100	*	-
Savannah Electric & Power Co	962	175.4	44.38	.98	18	305.1	18.61	1.77	403	315.2	3.22	98	*	2
Port Wentworth (GA)	509	173.0	44.48	1.00	15	275.0	16.98	2.20	387	313.8	3.21	96	1	3
Riverside (GA)	-	-	-	-	-	-	-	-	16	349.4	3.57	-	-	100
McIntosh (GA)	453	178.3	44.27	.95	4	436.0	25.25	.00	-	-	-	100	*	-
Seminole Electric Coop Inc	3,029	194.3	46.63	2.94	43	436.4	25.08	.36	-	-	-	100	*	-
Seminole (FL)	3,029	194.3	46.63	2.94	43	436.4	25.08	.36	-	-	-	100	*	-
Sierra Pacific Power Co	1,427	188.8	40.29	.42	452	280.8	17.52	.73	15,375	180.2	1.85	62	6	32
Fort Churchill (NV)	-	-	-	-	248	244.7	15.29	.75	9,473	179.5	1.85	-	14	86
Tracy (NV)	-	-	-	-	193	315.7	19.73	.75	5,902	181.2	1.86	-	17	83
North Valmy (NV)	1,427	188.8	40.29	.42	11	495.9	28.85	.00	-	-	-	100	*	-
Sikeston City of	557	154.9	35.33	2.60	11	451.4	26.73	.54	-	-	-	99	1	-
Sikeston (MO)	557	154.9	35.33	2.60	11	451.4	26.73	.54	-	-	-	99	1	-
South Carolina Electric&Gas Co	4,403	163.6	42.17	1.07	68	419.3	24.30	.20	1,881	222.1	2.27	98	*	2
Canadys (SC)	785	169.0	44.07	.94	4	440.2	25.52	.20	524	224.7	2.30	97	*	3
Hagood (SC)	-	-	-	-	-	-	-	-	99	221.8	2.27	-	-	100
Mcmeekin (SC)	518	160.3	41.96	1.28	4	469.5	27.21	.20	625	222.3	2.28	95	*	5
Urguhart (SC)	517	160.1	41.29	1.18	2	432.4	25.06	.20	633	219.8	2.25	95	*	5
Wateree (SC)	1,403	159.7	40.93	1.09	41	418.4	24.25	.20	-	-	-	99	1	-
Williams (SC)	1,180	167.7	42.85	1.00	17	403.1	23.36	.20	-	-	-	100	*	-

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

Table 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
South Carolina Pub Serv Auth	**4,913**	**177.7**	**44.12**	**1.17**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Cross (SC)	1,348	177.2	44.25	1.12	-	-	-	-	-	-	-	100	-	-
Grainger (SC)	171	168.1	42.92	1.76	-	-	-	-	-	-	-	100	-	-
Jefferies (SC)	563	183.1	44.77	1.62	-	-	-	-	-	-	-	100	-	-
Winyah (SC)	2,831	177.5	44.00	1.06	-	-	-	-	-	-	-	100	-	-
Southern California Edison Co	**4,137**	**123.4**	**27.15**	**.52**	**3,140**	**320.6**	**19.61**	**0.24**	**155,625**	**[2] 331.4**	**3.47**	**33**	**7**	**60**
Alamitos (CA)	-	-	-	-	-	-	-	-	38,932	323.3	3.40	-	-	100
Cool Water (CA)	-	-	-	-	-	-	-	-	4,717	[2] 309.8	3.23	-	-	100
El Segundo (CA)	-	-	-	-	-	-	-	-	15,368	334.1	3.47	-	-	100
Etiwanda (CA)	-	-	-	-	-	-	-	-	12,822	334.8	3.48	-	-	100
Highgrove (CA)	-	-	-	-	-	-	-	-	46	376.1	3.87	-	-	100
Huntington Beach (CA)	-	-	-	-	-	-	-	-	10,928	311.6	3.27	-	-	100
Mandalay (CA)	-	-	-	-	-	-	-	-	10,983	341.4	3.69	-	-	100
Ormond Beach (CA)	-	-	-	-	-	-	-	-	27,934	339.5	3.57	-	-	100
Redondo (CA)	-	-	-	-	-	-	-	-	31,775	341.0	3.55	-	-	100
San Bernardino (CA)	-	-	-	-	-	-	-	-	139	319.3	3.30	-	-	100
Mohave (NV)	4,137	123.4	27.15	.52	-	-	-	-	1,979	281.4	2.80	98	-	2
Storage Facility #1	-	-	-	-	3,140	320.6	19.61	.24	-	-	-	-	100	-
Southern Illinois Power Coop	**516**	**80.8**	**16.69**	**3.27**	**6**	**443.6**	**25.29**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Marion (IL)	516	80.8	16.69	3.27	6	443.6	25.29	.00	-	-	-	100	*	-
Southern Indiana Gas & Elec Co	**2,557**	**142.0**	**32.00**	**3.28**	**14**	**459.0**	**26.80**	**.39**	**52**	**271.4**	**2.78**	**100**	*****	*****
Culley (IN)	915	141.2	31.01	3.00	3	465.6	27.18	.39	19	297.3	3.04	100	*	*
A B Brown (IN)	1,174	154.5	35.69	3.54	11	457.4	26.70	.39	-	-	-	100	*	-
Warrick (IN)	468	111.1	24.69	3.17	-	-	-	-	32	256.2	2.63	100	-	*
Southwestern Electric Power Co	**9,753**	**177.3**	**28.10**	**.68**	**34**	**391.4**	**23.02**	**.06**	**16,402**	**227.0**	**2.18**	**91**	*****	**9**
Arsenal Hill (LA)	-	-	-	-	-	-	-	-	228	191.0	2.03	-	-	100
Lieberman (LA)	-	-	-	-	-	-	-	-	2,029	176.4	1.88	-	-	100
Knox Lee (TX)	-	-	-	-	-	-	-	-	2,013	198.8	2.09	-	-	100
Lone Star (TX)	-	-	-	-	-	-	-	-	962	341.5	3.10	-	-	100
Wilkes (TX)	-	-	-	-	-	-	-	-	11,091	234.4	2.18	-	-	100
Flint Creek (AR)	1,648	159.7	26.88	.34	-	-	-	-	-	-	-	100	-	-
Welsh Station (TX)	5,301	208.0	35.00	.34	34	391.4	23.02	.06	-	-	-	100	*	-
Pirkey (TX)	2,804	117.5	15.77	1.52	-	-	-	-	79	247.0	2.63	100	-	*
Southwestern Public Service Co	**8,148**	**164.5**	**28.80**	**.36**	**22**	**382.8**	**21.76**	**.00**	**35,389**	**203.1**	**2.07**	**80**	*****	**20**
Maddox (NM)	-	-	-	-	-	-	-	-	4,644	280.9	2.95	-	-	100
Cunningham (NM)	-	-	-	-	-	-	-	-	10,881	191.7	1.98	-	-	100
Jones (TX)	-	-	-	-	20	383.2	21.79	.00	10,781	191.2	1.97	-	1	99
Nichols (TX)	-	-	-	-	-	-	-	-	7,488	182.6	1.78	-	-	100
Plant X (TX)	-	-	-	-	2	378.9	21.48	.00	1,071	228.1	2.28	-	1	99
Harrington (TX)	3,926	150.9	26.51	.36	-	-	-	-	484	214.1	2.09	99	-	1
Tolk (TX)	4,222	177.2	30.92	.35	-	-	-	-	40	211.2	2.10	100	-	*
Springfield City of	**750**	**126.4**	**29.64**	**2.59**	**-**	**-**	**-**	**-**	**148**	**190.6**	**1.92**	**99**	**-**	**1**
James River (MO)	421	125.0	29.31	2.41	-	-	-	-	113	185.0	1.86	99	-	1
Southwest (MO)	328	128.2	30.07	2.81	-	-	-	-	35	208.6	2.10	100	-	*
Springfield City of	**907**	**128.8**	**26.74**	**2.93**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Dallman (IL)	856	128.9	26.75	2.93	-	-	-	-	-	-	-	100	-	-
Lakeside (IL)	50	127.9	26.55	2.91	-	-	-	-	-	-	-	100	-	-
St Joseph Light & Power Co	**180**	**136.5**	**33.45**	**3.24**	**67**	**215.4**	**13.85**	**2.52**	**194**	**259.0**	**2.67**	**87**	**9**	**4**
Lakeroad (MO)	180	136.5	33.45	3.24	67	215.4	13.85	2.52	194	259.0	2.67	87	9	4
Sunflower Electric Power Corp	**1,150**	**92.9**	**15.51**	**.34**	**-**	**-**	**-**	**-**	**88**	**155.2**	**1.20**	**100**	**-**	*****
Holcomb (KS)	1,150	92.9	15.51	.34	-	-	-	-	88	155.2	1.20	100	-	*
Tallahassee City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**14,460**	**254.3**	**2.65**	**-**	**-**	**100**
Hopkins (FL)	-	-	-	-	-	-	-	-	11,858	252.5	2.63	-	-	100
Purdom (FL)	-	-	-	-	-	-	-	-	2,602	262.8	2.74	-	-	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 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Tampa Electric Co	**6,674**	**172.9**	**42.80**	**2.12**	**233**	**443.8**	**25.78**	**0.34**	**-**	**-**	**-**	**99**	**1**	**-**
Big Bend (FL)	6,220	168.4	41.60	2.19	175	448.3	26.08	.34	-	-	-	99	1	-
Gannon (FL)	454	232.1	59.27	1.12	58	430.1	24.86	.35	-	-	-	97	3	-
Taunton City of	**-**	**-**	**-**	**-**	**345**	**268.6**	**16.89**	**1.53**	**1,168**	**290.5**	**3.00**	**-**	**64**	**36**
Cleary (MA)	-	-	-	-	345	268.6	16.89	1.53	1,168	290.5	3.00	-	64	36
Tennessee Valley Authority	**33,474**	**128.6**	**30.04**	**2.56**	**195**	**412.7**	**23.90**	**.50**	**-**	**-**	**-**	**100**	*****	**-**
Colbert (AL)	3,063	184.1	42.60	2.25	-	-	-	-	-	-	-	100	-	-
Widows Creek (AL)	2,805	114.7	27.15	2.63	41	411.8	23.67	.50	-	-	-	100	*	-
Paradise (KY)	7,114	96.7	21.25	4.59	19	446.2	25.99	.50	-	-	-	100	*	-
Shawnee (KY)	2,192	119.0	28.78	1.16	29	458.0	26.43	.50	-	-	-	100	*	-
Allen (TN)	1,310	117.2	27.45	2.10	-	-	-	-	-	-	-	100	-	-
Bull Run (TN)	2,247	202.6	46.53	.90	20	393.6	22.74	.50	-	-	-	100	*	-
Cumberland (TN)	5,291	128.7	29.72	2.77	63	395.7	23.04	.50	-	-	-	100	*	-
Gallatin (TN)	1,965	136.6	32.83	2.74	-	-	-	-	-	-	-	100	-	-
Sevier (TN)	1,914	122.4	31.08	1.80	4	404.4	23.50	.50	-	-	-	100	*	-
Johnsonville (TN)	2,085	121.8	28.01	1.69	-	-	-	-	-	-	-	100	-	-
Kingston (TN)	3,487	119.9	29.93	1.33	20	390.7	22.60	.50	-	-	-	100	*	-
Texas Municipal Power Agency	**3,628**	**145.6**	**13.38**	**1.27**	**11**	**478.9**	**28.36**	**.51**	**-**	**-**	**-**	**100**	*****	**-**
Gibbons Creek (TX)	3,628	145.6	13.38	1.27	11	478.9	28.36	.51	-	-	-	100	*	-
Texas Utilities Electric Co	**30,535**	**91.2**	**11.84**	**.79**	**1,768**	**382.8**	**22.55**	**.50**	**352,438**	**253.3**	**2.63**	**51**	**1**	**47**
Dallas (TX)	-	-	-	-	13	262.8	16.34	.50	619	257.2	2.66	-	11	89
Lake Hubbard (TX)	-	-	-	-	203	401.4	23.27	.50	26,249	252.6	2.64	-	4	96
Mountain Creek (TX)	-	-	-	-	111	283.8	17.64	.50	26,906	253.5	2.63	-	2	98
North Lake (TX)	-	-	-	-	214	459.9	26.66	.50	14,826	252.3	2.58	-	8	92
Parkdale (TX)	-	-	-	-	18	279.4	17.37	.50	4,242	253.6	2.58	-	3	97
Eagle Mountain (TX)	-	-	-	-	15	276.2	17.17	.50	9,569	252.7	2.62	-	1	99
Graham (TX)	-	-	-	-	20	277.2	17.23	.50	23,359	254.1	2.78	-	*	100
Handley (TX)	-	-	-	-	346	412.5	23.91	.50	22,562	253.5	2.64	-	8	92
Morgan Creek (TX)	-	-	-	-	41	260.9	16.22	.50	28,651	251.9	2.60	-	1	99
North Main (TX)	-	-	-	-	12	255.6	15.89	.50	520	253.0	2.64	-	12	88
Permian Basin (TX)	-	-	-	-	40	270.3	16.80	.50	24,488	253.8	2.58	-	1	99
Big Brown (TX)	5,670	84.8	11.52	.72	-	-	-	-	986	250.9	2.67	99	-	1
Collin (TX)	-	-	-	-	37	267.3	16.61	.50	2,799	254.0	2.65	-	7	93
Lake Creek (TX)	-	-	-	-	167	419.5	24.31	.50	5,695	253.1	2.69	-	14	86
River Crest (TX)	-	-	-	-	-	-	-	-	882	242.8	2.61	-	-	100
Stryker (TX)	-	-	-	-	87	271.1	16.85	.50	26,167	253.5	2.64	-	2	98
Tradinghouse (TX)	-	-	-	-	39	370.7	21.48	.50	58,714	254.7	2.62	-	*	100
Trinidad (TX)	-	-	-	-	*	324.7	18.82	.50	5,054	255.0	2.71	-	*	100
Valley (TX)	-	-	-	-	137	421.6	24.43	.50	30,877	253.3	2.66	-	2	98
Martin Lake (TX)	12,481	98.8	13.27	1.01	67	387.0	22.43	.50	-	-	-	100	*	-
Monticello (TX)	11,764	86.0	10.53	.57	92	397.1	23.02	.50	-	-	-	100	*	-
Sandow No 4 (TX)	620	85.4	10.63	1.18	8	366.0	21.22	.50	-	-	-	99	1	-
Decordova (TX)	-	-	-	-	101	416.1	24.12	.50	39,273	251.9	2.60	-	1	99
Toledo Edison Co	**1,239**	**190.6**	**49.87**	**1.21**	**19**	**417.1**	**24.09**	**.40**	**21**	**397.6**	**4.09**	**100**	*****	*****
Acme (OH)	83	169.5	43.70	.73	1	400.3	23.06	.28	21	397.6	4.09	99	*	1
Bay Shore (OH)	1,156	192.1	50.31	1.25	19	417.5	24.12	.40	-	-	-	100	*	-
Tucson Electric Power Co	**271**	**273.3**	**55.67**	**.47**	**-**	**-**	**-**	**-**	**1,654**	**255.2**	**2.64**	**76**	**-**	**24**
Irvington (AZ)	271	273.3	55.67	.47	-	-	-	-	1,654	255.2	2.64	76	-	24
Union Electric Co	**11,343**	**151.5**	**32.64**	**1.86**	**44**	**475.3**	**27.15**	**.28**	**387**	**315.1**	**3.21**	**100**	*****	*****
Venice No.2 (IL)	-	-	-	-	13	606.4	34.89	.29	288	311.3	3.17	-	20	80
Labadie (MO)	5,312	140.2	31.43	2.54	15	432.3	24.88	.29	-	-	-	100	*	-
Meramec (MO)	594	195.7	46.28	1.26	1	247.3	9.53	.00	99	326.2	3.31	99	*	1
Sioux (MO)	2,508	144.5	29.26	1.64	6	402.1	23.14	.29	-	-	-	100	*	-
Rush Island (MO)	2,929	169.4	34.97	.94	9	423.5	24.37	.29	-	-	-	100	*	-
United Illuminating Co	**875**	**213.7**	**56.88**	**.53**	**6,384**	**276.7**	**17.53**	**.97**	**2,293**	**250.1**	**2.58**	**35**	**61**	**4**
Bridgeport Harbor (CT)	875	213.7	56.88	.53	2,364	280.1	17.67	.97	-	-	-	61	39	-
English (CT)	-	-	-	-	124	301.8	19.00	.97	-	-	-	-	100	-
New Haven Hbr (CT)	-	-	-	-	3,896	273.8	17.40	.97	2,293	250.1	2.58	-	91	9

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

Table 51. Quantity, Average Delivered Cost, Quality of Fossil-Fuel Receipts by Company and Plant, 1989 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
United Power Assn	**973**	**99.6**	**13.61**	**0.86**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Stanton (ND)	973	99.6	13.61	.86	-	-	-	-	-	-	-	100	-	-
Vero Beach City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,277**	**262.1**	**2.70**	**-**	**-**	**100**
Vero Beach (FL)	-	-	-	-	-	-	-	-	2,277	262.1	2.70	-	-	100
Vineland City of	**68**	**203.5**	**52.80**	**.77**	**126**	**331.6**	**20.60**	**0.66**	**-**	**-**	**-**	**69**	**31**	**-**
H M Down (NJ)	68	203.5	52.80	.77	126	331.6	20.60	.66	-	-	-	69	31	-
Virginia Electric & Power Co	**11,258**	**146.1**	**36.56**	**1.35**	**6,219**	**284.4**	**17.48**	**.96**	**3,517**	**[2] 247.9**	**2.58**	**87**	**12**	**1**
Bremo Bluff (VA)	538	155.6	39.75	1.04	9	384.3	22.60	.40	-	-	-	100	*	-
Chesterfield (VA)	2,861	151.4	38.19	.94	87	433.3	25.48	.40	-	-	-	99	1	-
Chesapeake Energy (VA)	1,517	153.9	39.58	1.05	57	377.6	22.20	.40	-	-	-	99	1	-
Possum Point (VA)	774	156.3	39.25	.98	81	374.6	22.03	.40	-	-	-	98	2	-
Yorktown (VA)	734	153.5	39.55	1.29	25	402.9	23.69	.40	3,517	[2] 247.9	2.58	83	1	16
Mount Storm (WV)	4,834	136.4	33.41	1.78	52	437.0	25.69	.40	-	-	-	100	*	-
Storage Facility #1	-	-	-	-	5,907	278.3	17.15	.99	-	-	-	-	100	-
West Penn Power Co	**5,935**	**134.1**	**33.86**	**2.12**	**27**	**437.2**	**25.89**	**.27**	**75**	**423.1**	**4.23**	**100**	*****	*****
Armstrong (PA)	904	121.2	30.16	1.85	5	436.8	25.87	.27	-	-	-	100	*	-
Hatfield (PA)	4,402	138.5	35.27	2.11	12	427.9	25.34	.27	-	-	-	100	*	-
Mitchell (PA)	629	121.0	29.30	2.55	3	452.9	26.82	.27	75	423.1	4.23	99	*	*
Springdale (PA)	-	-	-	-	8	445.8	26.40	.27	-	-	-	-	100	-
West Texas Utilities Co	**2,459**	**174.9**	**29.10**	**.35**	**44**	**519.1**	**30.54**	**.35**	**31,446**	**216.8**	**2.25**	**55**	*****	**44**
Oklaunion (TX)	2,459	174.9	29.10	.35	20	439.3	25.62	.41	-	-	-	100	*	-
Concho (TX)	-	-	-	-	-	-	-	-	7	408.2	4.76	-	-	100
Oak Creek (TX)	-	-	-	-	-	-	-	-	4,255	192.9	2.08	-	-	100
Paint Creek (TX)	-	-	-	-	4	581.1	33.74	.31	4,879	305.7	3.17	-	*	100
Rio Pecos (TX)	-	-	-	-	14	561.8	33.61	.33	7,582	175.4	1.69	-	1	99
San Angelo (TX)	-	-	-	-	6	638.4	37.47	.24	3,985	285.5	3.29	-	1	99
Fort Phantom (TX)	-	-	-	-	-	-	-	-	10,738	184.7	1.90	-	-	100
Western Farmers Elec Coop Inc	**1,644**	**176.7**	**29.93**	**.45**	**-**	**-**	**-**	**-**	**2,011**	**170.2**	**1.80**	**93**	**-**	**7**
Mooreland (OK)	-	-	-	-	-	-	-	-	2,011	170.2	1.80	-	-	100
Hugo (OK)	1,644	176.7	29.93	.45	-	-	-	-	-	-	-	100	-	-
Western Massachusetts Elec Co	**-**	**-**	**-**	**-**	**566**	**308.8**	**19.34**	**.97**	**1,940**	**240.6**	**2.48**	**-**	**64**	**36**
West Springfield (MA)	-	-	-	-	566	308.8	19.34	.97	1,940	240.6	2.48	-	64	36
Wisconsin Electric Power Co	**8,966**	**127.8**	**25.37**	**.74**	**75**	**409.6**	**23.74**	**.28**	**312**	**273.3**	**2.73**	**100**	*****	*****
Presque Isle (MI)	1,727	162.9	33.30	.61	-	-	-	-	-	-	-	100	-	-
Oak Creek (WI)	1,663	149.1	38.14	1.69	-	-	-	-	-	-	-	100	-	-
Port Washington (WI)	170	160.3	42.19	1.58	-	-	-	-	-	-	-	100	-	-
Valley (WI)	480	165.3	41.39	1.57	-	-	-	-	67	310.8	3.11	99	-	1
Pleasant Prairie (WI)	4,925	95.0	16.13	.35	-	-	-	-	245	263.1	2.63	100	-	*
Storage Facility #1	-	-	-	-	75	409.6	23.74	.28	-	-	-	-	100	-
Wisconsin Power & Light Co	**5,669**	**164.0**	**30.82**	**.84**	**-**	**-**	**-**	**-**	**13**	**296.4**	**2.99**	**100**	**-**	*****
Blackhawk (WI)	-	-	-	-	-	-	-	-	12	290.8	2.94	-	-	100
Edgewater (WI)	1,860	178.1	35.35	1.24	-	-	-	-	-	-	-	100	-	-
Nelson Dewey (WI)	511	135.0	28.87	.84	-	-	-	-	-	-	-	100	-	-
Rock River (WI)	222	180.4	39.11	1.55	-	-	-	-	1	357.1	3.64	100	-	*
Columbia (WI)	3,076	158.8	27.81	.55	-	-	-	-	-	-	-	100	-	-
Wisconsin Public Service Corp	**2,155**	**192.5**	**38.08**	**.95**	**9**	**405.7**	**23.52**	**.22**	**551**	**308.7**	**3.10**	**99**	*****	**1**
Pulliam (WI)	660	194.9	43.43	1.97	2	396.8	23.00	.22	275	309.5	3.11	98	*	2
Weston (WI)	1,495	191.3	35.71	.50	7	408.3	23.66	.22	276	308.0	3.09	99	*	1
Wyandotte Municipal Serv Comm	**119**	**191.1**	**51.30**	**.74**	**11**	**275.0**	**9.49**	**.00**	**4**	**370.0**	**3.70**	**99**	**1**	*****
Wyandotte (MI)	119	191.1	51.30	.74	11	275.0	9.49	.00	4	370.0	3.70	99	1	*
Total	**[1] 753,749**	**144.4**	**30.12**	**1.33**	**246,459**	**[2] 289.3**	**18.17**	**.94**	**2,472,506**	**[2] 235.5**	**2.42**	**79**	**8**	**13**

[1] Includes Petroleum Coke, Refuse, Wood Waste, or Coke Breeze.
[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: • The specific fuels which are included in each of the three general fuel categories are: Coal: Bituminous, Subbituminous, Lignite, Anthracite, Wood Waste, Petroleum Coke, and Refuse. Petroleum: No. 2, 4, 5, and 6 Fuel Oil, Re-refined Motor Oil, Liquified Petroleum Gas. Gas: Natural, Coke Oven, Refinery, and Blast Furnace. • Totals may not equal sum of components because of independent rounding. • Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.

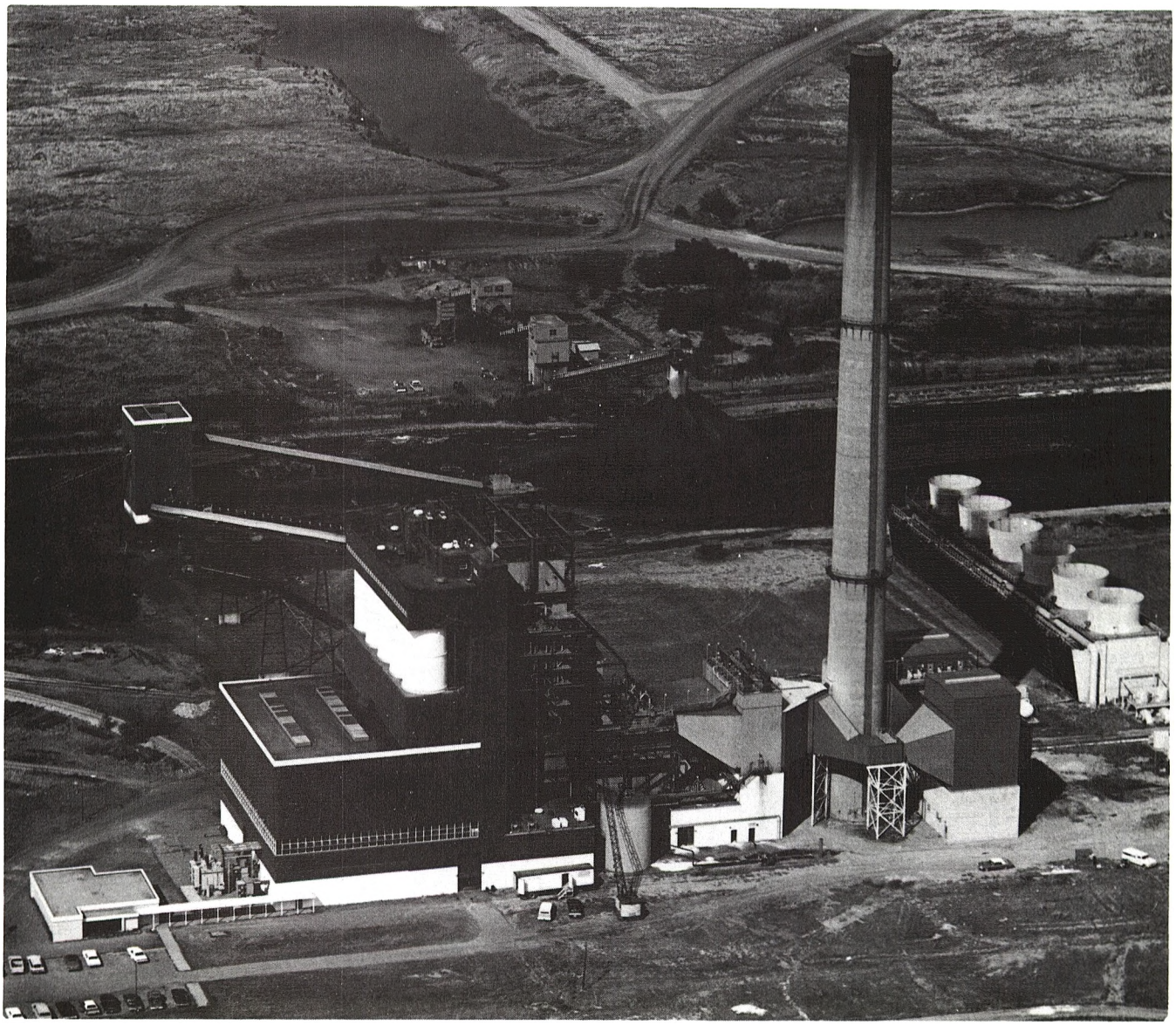
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Fossil-Fuel Data at the Electric Utility Level

Fossil-Fuel Data at the Electric Utility Level

This section includes information on electric utilities that are currently reporting on the FERC Form 423 and those that may have filed the Form 423 in 1985, 1986, 1987, or 1988 and no longer file. These utilities no longer file due to either retirements or derating of their units below the minimum threshold of 50 or more megawatts of steam-electric capacity. Due to a change in ownership, plant operator, or merger, data for some electric utilities may be shown under more than one utility name.

Data for the City of Henderson are shown under Big Rivers Corporation. Beginning in 1987, Eastern Iowa Light & Power Cooperative data are shown under Central Iowa Power Cooperative. Narragansett Electric Company data are shown under New England Power Company. Beginning in 1986, data for the Hartford Electric Light Company are shown under Connecticut Light & Power Company.



The Asbury Plant (Empire District Electric Company) received 850 thousand short tons of Kansas, Missouri, and Wyoming coal in 1989.

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Alabama Electric Coop Inc																		
1985	1,031	-	11,866	12.2	1.3	-	41.64	41.64	-	-	-	-	-	-	-	5	130,000	34.49
1986	1,204	-	11,968	12.0	1.3	-	40.66	40.66	-	-	-	-	-	-	-	6	130,000	20.61
1987	1,151	-	11,990	12.0	1.4	-	37.65	37.65	-	-	-	-	-	-	-	5	130,000	22.72
1988	1,192	57.9	12,020	12.4	1.4	40.93	34.78	38.34	-	-	-	-	-	-	-	3	130,000	19.98
1989	1,150	52.4	11,827	12.5	1.4	42.02	34.97	38.67	-	-	-	-	-	-	-	7	130,153	24.32
Alabama Power Co																		
1985	14,300	89.0	12,184	12.1	1.2	53.75	37.39	51.96	-	-	-	-	-	-	-	197	139,031	34.74
1986	14,758	90.8	12,324	11.7	1.3	52.29	35.60	50.75	-	-	-	-	-	-	-	175	138,792	20.09
1987	13,796	95.6	12,375	11.7	1.2	52.58	31.37	51.63	-	-	-	-	-	-	-	155	138,615	23.38
1988	13,626	94.1	12,270	11.8	1.3	52.43	30.59	51.14	-	-	-	-	-	-	-	103	136,231	20.90
1989	14,293	92.4	12,173	12.3	1.3	50.45	35.10	49.28	-	-	-	-	-	-	-	81	137,886	23.93
Alexandria City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	135,000	37.42
Ames City of																		
1985	138	100.0	8,208	5.9	.5	32.46	-	32.46	-	-	-	-	-	-	-	6	140,017	35.91
1986	143	100.0	8,282	6.4	.6	31.31	-	31.31	-	-	-	-	-	-	-	3	141,600	21.08
1987	140	96.8	8,511	5.1	.3	24.20	20.45	24.08	-	-	-	-	-	-	-	7	141,600	23.71
1988	199	100.0	8,802	4.8	.2	21.45	-	21.45	-	-	-	-	-	-	-	3	141,600	20.34
1989	168	100.0	8,794	4.5	.2	21.83	-	21.83	-	-	-	-	-	-	-	3	141,600	24.91
Appalachian Power Co																		
1985	9,816	93.6	12,489	10.8	.7	45.58	31.64	44.69	-	-	-	-	-	-	-	121	139,181	35.06
1986	11,742	82.4	12,451	11.0	.7	43.52	30.13	41.17	-	-	-	-	-	-	-	130	138,571	20.24
1987	12,015	84.7	12,515	10.7	.7	42.85	27.87	40.55	-	-	-	-	-	-	-	187	138,523	25.36
1988	8,958	90.5	12,501	11.2	.7	41.54	28.61	40.32	-	-	-	-	-	-	-	102	138,816	23.86
1989	10,832	71.3	12,407	11.2	.8	42.40	27.01	37.97	-	-	-	-	-	-	-	211	138,464	26.06
Arizona Electric Pwr Coop Inc																		
1985	794	100.0	10,137	15.7	.7	52.42	-	52.42	-	-	-	-	-	-	-	-	-	-
1986	505	84.6	10,205	15.1	.6	53.25	38.78	51.02	-	-	-	-	-	-	-	-	-	-
1987	223	100.0	11,205	14.3	.5	49.35	-	49.35	-	-	-	-	-	-	-	-	-	-
1988	609	100.0	11,984	16.1	.4	40.77	-	40.77	-	-	-	-	-	-	-	-	-	-
1989	833	100.0	11,885	15.9	.4	40.66	-	40.66	-	-	-	-	-	-	-	-	-	-
Arizona Public Service Co																		
1985	9,777	100.0	9,125	19.9	.7	20.38	-	20.38	-	-	-	-	-	-	-	27	138,095	34.16
1986	10,119	100.0	9,088	20.0	.7	20.50	-	20.50	-	-	-	-	-	-	-	67	140,340	19.64
1987	11,176	100.0	9,081	20.1	.7	19.95	-	19.95	-	-	-	-	-	-	-	62	138,266	23.14
1988	11,586	100.0	9,029	19.8	.7	20.17	-	20.17	-	-	-	-	-	-	-	15	137,647	24.56
1989	11,927	100.0	9,109	19.5	.7	21.82	-	21.82	5	-	148,641	0.7	-	21.48	21.48	73	137,757	25.38
Arkansas Electric Coop Corp																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas Power & Light Co																		
1985	10,071	100.0	8,660	5.8	.3	27.59	-	27.59	8	100.0	149,712	1.2	24.16	-	24.16	100	136,980	33.56
1986	10,189	100.0	8,718	5.5	.3	27.43	-	27.43	16	100.0	150,005	1.2	10.39	-	10.39	111	136,776	25.75
1987	10,045	98.1	8,727	5.6	.3	27.49	22.67	27.40	-	-	-	-	-	-	-	134	136,739	22.14
1988	10,184	97.8	8,702	5.7	.3	28.05	15.83	27.79	136	100.0	149,980	.5	24.00	-	24.00	80	136,894	30.02
1989	9,854	100.0	8,771	5.4	.3	28.71	-	28.71	135	100.0	149,552	.5	20.48	-	20.48	100	136,854	25.05
Associated Electric Coop Inc																		
1985	4,796	100.0	10,600	10.7	3.7	33.10	-	33.10	-	-	-	-	-	-	-	-	-	-
1986	4,613	94.0	10,697	10.3	3.8	31.89	27.93	31.65	-	-	-	-	-	-	-	-	-	-
1987	5,111	100.0	10,664	10.4	4.0	29.96	-	29.96	-	-	-	-	-	-	-	-	-	-
1988	5,026	100.0	10,671	10.0	3.9	28.72	-	28.72	-	-	-	-	-	-	-	-	-	-
1989	5,061	99.3	10,667	10.1	3.6	29.07	20.88	29.02	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Alabama Electric Coop Inc																
1985	-	-	-	-	-	-	24,472	29	-	100	*	-	43,123	42,941	182	-
1986	-	-	-	-	-	-	28,829	34	-	100	*	-	49,106	48,976	130	-
1987	-	-	-	-	-	-	27,601	27	-	100	*	-	43,449	43,335	114	-
1988	-	-	-	-	-	-	28,660	19	-	100	*	-	45,781	45,712	69	-
1989	-	-	-	-	-	-	27,201	36	-	100	*	-	44,626	44,464	162	-
Alabama Power Co																
1985	976	1,099	3.78	3.43	3.48	83.2	348,462	1,151	1,073	99	*	*	753,234	742,985	6,847	3,402
1986	687	1,091	2.90	2.56	2.69	61.2	363,773	1,017	749	100	*	*	754,294	748,939	3,506	1,850
1987	858	1,054	2.22	2.18	2.22	23.5	341,442	900	904	99	*	*	717,869	712,353	3,615	1,901
1988	1,080	1,039	2.15	-	2.15	-	334,395	591	1,122	99	*	*	701,324	696,843	2,158	2,322
1989	1,556	1,030	2.27	-	2.27	-	347,978	471	1,602	99	*	*	709,871	704,394	1,945	3,532
Alexandria City of																
1985	1,804	1,023	3.43	-	3.43	-	-	-	1,845	-	-	100	6,197	-	-	6,197
1986	1,627	1,027	2.13	-	2.13	-	-	-	1,671	-	-	100	3,474	-	-	3,474
1987	1,164	1,027	1.95	-	1.95	-	-	-	1,196	-	-	100	2,266	-	-	2,266
1988	1,261	1,026	1.94	2.08	2.01	49.4	-	-	1,294	-	-	100	2,532	-	-	2,532
1989	193	1,029	-	2.78	2.78	100.0	-	16	199	-	8	92	643	-	107	536
Ames City of																
1985	-	-	-	-	-	-	2,265	35	-	98	2	-	4,691	4,479	213	-
1986	-	-	-	-	-	-	2,364	17	-	99	1	-	4,530	4,468	62	-
1987	-	-	-	-	-	-	2,388	40	-	98	2	-	3,536	3,378	158	-
1988	-	-	-	-	-	-	3,512	17	-	100	*	-	4,337	4,279	59	-
1989	-	-	-	-	-	-	2,955	17	-	99	1	-	3,740	3,667	73	-
Appalachian Power Co																
1985	-	-	-	-	-	-	245,191	708	-	100	*	-	442,972	438,726	4,246	-
1986	-	-	-	-	-	-	292,417	760	-	100	*	-	486,048	483,407	2,641	-
1987	-	-	-	-	-	-	300,727	1,087	-	100	*	-	491,957	487,219	4,738	-
1988	-	-	-	-	-	-	223,952	594	-	100	*	-	363,576	361,147	2,429	-
1989	-	-	-	-	-	-	268,778	1,230	-	100	*	-	416,842	411,330	5,513	-
Arizona Electric Pwr Coop Inc																
1985	762	1,040	3.91	-	3.91	-	16,107	-	793	95	-	5	44,624	41,643	-	2,981
1986	1,518	1,030	1.98	-	1.98	-	10,300	-	1,564	87	-	13	28,749	25,746	-	3,002
1987	4,259	1,032	1.89	-	1.89	-	4,993	-	4,394	53	-	47	19,041	10,995	-	8,046
1988	2,370	1,029	2.14	-	2.14	-	14,601	-	2,438	86	-	14	29,900	24,836	-	5,064
1989	1,759	1,034	2.16	-	2.16	-	19,791	-	1,818	92	-	8	37,653	33,851	-	3,801
Arizona Public Service Co																
1985	7,060	1,053	-	3.94	3.94	100.0	178,427	158	7,434	96	*	4	228,034	199,267	929	27,838
1986	6,731	1,041	-	2.52	2.52	100.0	183,913	395	7,010	96	*	4	225,748	207,452	1,316	16,980
1987	2,705	1,028	-	2.35	2.35	100.0	202,978	362	2,780	98	*	1	230,777	222,970	1,444	6,362
1988	2,383	1,025	2.46	2.87	2.60	34.6	209,219	84	2,443	99	*	1	240,258	233,703	356	6,198
1989	11,519	1,031	2.35	2.30	2.33	50.1	217,287	454	11,878	95	*	5	289,082	260,298	1,960	26,823
Arkansas Electric Coop Corp																
1985	873	1,024	-	4.22	4.22	100.0	-	-	894	-	-	100	3,685	-	-	3,685
Arkansas Power & Light Co																
1985	11,228	1,057	3.85	1.65	2.88	43.9	174,434	628	11,868	93	*	6	313,715	277,813	3,557	32,345
1986	28,445	1,053	1.67	1.48	1.64	16.3	177,658	739	29,951	85	*	14	329,240	279,517	3,034	46,689
1987	32,066	1,031	1.64	1.06	1.57	12.1	175,332	772	33,065	84	*	16	328,513	275,212	2,975	50,325
1988	21,976	1,029	1.48	.91	1.39	16.4	177,241	1,313	22,611	88	1	11	319,152	282,967	5,651	30,535
1989	29,473	1,019	1.77	1.05	1.69	11.3	172,844	1,423	30,036	85	1	15	337,895	282,935	5,275	49,685
Associated Electric Coop Inc																
1985	-	-	-	-	-	-	101,680	-	-	100	-	-	158,779	158,779	-	-
1986	-	-	-	-	-	-	98,698	-	-	100	-	-	146,010	146,010	-	-
1987	-	-	-	-	-	-	108,999	-	-	100	-	-	153,096	153,096	-	-
1988	-	-	-	-	-	-	107,277	-	-	100	-	-	144,371	144,371	-	-
1989	-	-	-	-	-	-	107,981	-	-	100	-	-	146,859	146,859	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Atlantic City Electric Co																		
1985	702	92.9	13,003	9.8	2.6	44.84	50.34	45.23	714	100.0	149,840	0.7	25.06	-	25.06	-	-	-
1986	588	88.6	12,982	9.9	2.6	45.17	46.92	45.37	899	100.0	150,949	.9	15.38	-	15.38	-	-	-
1987	616	89.0	13,045	9.8	2.7	43.86	44.19	43.90	1,140	100.0	151,359	.9	18.78	-	18.78	-	-	-
1988	622	84.7	13,118	9.4	2.6	44.84	44.64	44.81	963	100.0	150,379	.8	15.03	-	15.03	-	-	-
1989	703	79.1	13,071	8.7	2.5	46.42	46.13	46.36	1,072	100.0	151,510	.9	18.89	-	18.89	-	-	-
Austin City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	137,000	33.60
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore Gas & Electric Co																		
1985	1,984	68.4	12,982	8.8	1.0	50.00	44.23	48.18	1,769	99.2	150,587	1.0	25.57	25.56	25.57	22	138,980	33.04
1986	2,709	67.0	12,903	8.9	1.0	45.98	42.35	44.78	1,062	95.3	150,805	1.0	14.26	12.87	14.20	16	139,174	19.11
1987	2,629	69.0	12,897	9.2	1.1	41.84	41.41	41.71	2,095	77.3	149,624	1.0	18.69	19.88	18.96	1	138,976	23.61
1988	3,195	69.9	12,940	9.0	1.0	40.62	40.37	40.55	1,886	97.2	150,010	1.0	14.69	14.71	14.69	-	-	-
1989	3,122	65.5	12,895	8.1	.9	40.24	43.36	41.31	5,465	95.8	149,835	1.0	17.70	17.63	17.69	-	-	-
Bangor Hydro-Electric Co																		
1985	-	-	-	-	-	-	-	-	86	100.0	149,704	2.4	27.22	-	27.22	-	-	-
1986	-	-	-	-	-	-	-	-	116	100.0	150,392	2.3	16.87	-	16.87	-	-	-
1987	-	-	-	-	-	-	-	-	88	100.0	150,352	2.1	18.72	-	18.72	-	-	-
1988	-	-	-	-	-	-	-	-	95	100.0	150,404	1.1	17.83	-	17.83	-	-	-
1989	-	-	-	-	-	-	-	-	107	100.0	150,685	.6	21.87	-	21.87	-	-	-
Basin Electric Power Coop																		
1985	10,996	100.0	7,476	7.2	.5	12.38	-	12.38	-	-	-	-	-	-	-	101	137,883	32.95
1986	10,921	100.0	7,506	6.8	.5	11.69	-	11.69	-	-	-	-	-	-	-	62	137,883	22.32
1987	12,911	100.0	7,460	7.0	.5	10.97	-	10.97	-	-	-	-	-	-	-	54	137,883	24.07
1988	14,867	99.8	7,491	7.2	.5	10.61	12.05	10.61	-	-	-	-	-	-	-	49	137,883	21.69
1989	13,436	100.0	7,487	7.1	.5	9.89	-	9.89	-	-	-	-	-	-	-	90	137,883	24.90
Big Rivers Electric Corp																		
1985	4,806	93.1	11,117	12.1	3.1	29.42	24.32	29.07	-	-	-	-	-	-	-	39	138,000	33.98
1986	4,443	98.9	11,010	12.1	3.0	27.06	22.02	27.01	-	-	-	-	-	-	-	29	138,000	18.10
1987	5,056	99.4	11,169	12.1	3.1	27.26	18.04	27.20	-	-	-	-	-	-	-	30	138,000	23.17
1988	5,019	99.1	11,191	12.1	3.2	27.50	19.70	27.43	-	-	-	-	-	-	-	20	138,000	21.27
1989	4,619	99.4	11,098	12.7	3.5	26.89	18.93	26.84	-	-	-	-	-	-	-	16	138,000	27.42
Boston Edison Co																		
1985	-	-	-	-	-	-	-	-	6,537	76.4	150,747	1.3	26.03	24.77	25.73	-	-	-
1986	-	-	-	-	-	-	-	-	12,657	61.2	149,582	1.1	15.35	12.78	14.35	-	-	-
1987	-	-	-	-	-	-	-	-	10,647	55.1	150,895	1.0	17.78	17.36	17.59	-	-	-
1988	-	-	-	-	-	-	-	-	11,342	33.8	150,271	.9	14.05	13.93	13.97	-	-	-
1989	-	-	-	-	-	-	-	-	9,763	24.5	150,664	.9	18.34	16.27	16.78	-	-	-
Brazos Electric Power Coop Inc																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bryan City of																		
1985	-	-	-	-	-	-	-	-	16	-	143,706	.2	-	26.34	26.34	16	136,286	30.77
1986	-	-	-	-	-	-	-	-	1	-	143,599	.1	-	25.99	25.99	-	-	-
1987	-	-	-	-	-	-	-	-	1	-	144,870	.1	-	15.95	15.95	-	-	-
1988	-	-	-	-	-	-	-	-	7	-	147,712	.2	-	15.96	15.96	-	-	-
1989	-	-	-	-	-	-	-	-	[2] 3	-	147,700	.5	-	22.64	22.64	9	140,100	28.25

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 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Atlantic City Electric Co																
1985	-	-	-	-	-	-	18,257	4,493	-	80	20	-	49,645	31,749	17,896	-
1986	-	-	-	-	-	-	15,267	5,700	-	73	27	-	40,509	26,680	13,830	-
1987	-	-	-	-	-	-	16,071	7,247	-	69	31	-	48,457	27,043	21,414	-
1988	-	-	-	-	-	-	16,319	6,082	-	73	27	-	42,342	27,872	14,470	-
1989	-	-	-	-	-	-	18,378	6,822	-	73	27	-	52,833	32,588	20,245	-
Austin City of																
1985	23,948	1,021	-	3.66	3.66	100.0	-	13	24,439	-	*	100	87,688	-	76	87,612
1986	24,481	1,015	-	2.37	2.37	100.0	-	-	24,853	-	-	100	58,098	-	-	58,098
1987	16,994	1,018	-	2.16	2.16	100.0	-	-	17,300	-	-	100	36,747	-	-	36,747
1988	19,314	1,027	-	1.91	1.91	100.0	-	-	19,828	-	-	100	36,898	-	-	36,898
1989	15,750	996	-	2.12	2.12	100.0	-	-	15,693	-	-	100	33,411	-	-	33,411
Baltimore Gas & Electric Co																
1985	-	-	-	-	-	-	51,514	11,317	-	82	18	-	141,549	95,590	45,958	-
1986	-	-	-	-	-	-	69,907	6,820	-	91	9	-	136,706	121,321	15,385	-
1987	1,854	1,042	2.77	-	2.77	-	67,811	13,171	1,932	82	16	2	154,534	109,647	39,753	5,134
1988	2,306	1,043	3.05	2.38	2.90	22.6	82,687	11,883	2,405	85	12	2	163,937	129,543	27,699	6,695
1989	6,083	1,045	2.90	2.65	2.87	9.9	80,514	34,392	6,355	66	28	5	243,160	128,985	96,693	17,482
Bangor Hydro-Electric Co																
1985	-	-	-	-	-	-	-	542	-	-	100	-	2,345	-	2,345	-
1986	-	-	-	-	-	-	-	732	-	-	100	-	1,956	-	1,956	-
1987	-	-	-	-	-	-	-	554	-	-	100	-	1,643	-	1,643	-
1988	-	-	-	-	-	-	-	600	-	-	100	-	1,694	-	1,694	-
1989	-	-	-	-	-	-	-	677	-	-	100	-	2,339	-	2,339	-
Basin Electric Power Coop																
1985	-	-	-	-	-	-	164,405	583	-	100	*	-	139,409	136,091	3,318	-
1986	-	-	-	-	-	-	163,950	361	-	100	*	-	129,095	127,702	1,393	-
1987	-	-	-	-	-	-	192,636	313	-	100	*	-	142,914	141,614	1,300	-
1988	-	-	-	-	-	-	222,724	286	-	100	*	-	158,839	157,770	1,069	-
1989	-	-	-	-	-	-	201,183	520	-	100	*	-	135,173	132,937	2,236	-
Big Rivers Electric Corp																
1985	28	1,000	4.40	4.31	4.34	70.5	106,850	227	28	100	*	*	141,158	139,702	1,332	124
1986	50	1,000	-	3.80	3.80	100.0	97,844	166	50	100	*	*	120,699	119,991	518	189
1987	45	1,000	-	3.38	3.38	100.0	112,939	172	45	100	*	*	138,370	137,528	688	154
1988	27	1,000	-	3.14	3.14	100.0	112,349	117	27	100	*	*	138,180	137,664	430	86
1989	46	1,000	-	3.14	3.14	100.0	102,524	96	46	100	*	*	124,570	123,974	453	144
Boston Edison Co																
1985	33,681	1,043	3.50	7.34	3.51	.2	-	41,389	35,130	-	54	46	286,372	-	168,201	118,171
1986	8,583	1,032	2.31	6.44	2.35	1.0	-	79,518	8,856	-	90	10	201,825	-	181,671	20,154
1987	23,358	1,031	2.37	5.72	2.38	.5	-	67,479	24,078	-	74	26	243,031	-	187,325	55,706
1988	9,013	1,034	5.99	2.29	2.29	100.0	-	71,586	9,323	-	88	12	179,080	-	158,442	20,637
1989	36,873	1,053	2.46	2.47	2.47	20.3	-	61,781	38,830	-	61	39	254,735	-	163,841	90,894
Brazos Electric Power Coop Inc																
1985	17,939	1,025	-	3.38	3.38	100.0	-	-	18,392	-	-	100	60,661	-	-	60,661
1986	14,572	1,015	1.53	2.91	2.69	84.1	-	-	14,788	-	-	100	39,247	-	-	39,247
1987	14,840	1,019	1.61	3.00	2.33	51.9	-	-	15,117	-	-	100	34,600	-	-	34,600
1988	12,844	1,014	1.76	2.01	1.91	57.8	-	-	13,020	-	-	100	24,472	-	-	24,472
1989	13,936	1,019	1.81	1.92	1.86	46.8	-	-	14,206	-	-	100	25,979	-	-	25,979
Bryan City of																
1985	3,496	1,075	3.44	-	3.44	-	-	188	3,759	-	5	95	12,942	-	912	12,030
1986	4,116	1,046	1.70	-	1.70	-	-	7	4,306	-	*	100	7,023	-	28	6,995
1987	4,382	1,041	1.65	-	1.65	-	-	7	4,560	-	*	100	7,242	-	18	7,224
1988	4,729	1,062	1.82	-	1.82	-	-	44	5,023	-	1	99	8,706	-	113	8,593
1989	4,246	1,030	1.74	2.06	1.77	9.0	-	69	4,374	-	2	98	7,828	-	312	7,516

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Burbank City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	27	-	148,157	0.3	-	17.75	17.75	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	17	-	146,745	*	-	19.81	19.81	-	-	-
1989	-	-	-	-	-	-	-	-	22	-	150,025	.2	-	22.68	22.68	-	-	-
Cajun Electric Power Coop Inc																		
1985	4,235	100.0	8,386	6.4	0.5	37.97	-	37.97	-	-	-	-	-	-	-	44	140,000	33.51
1986	4,124	100.0	8,407	6.0	.5	32.27	-	32.27	-	-	-	-	-	-	-	41	140,000	18.31
1987	3,796	100.0	8,621	5.7	.5	28.70	-	28.70	-	-	-	-	-	-	-	46	140,000	22.06
1988	5,129	81.4	8,559	5.8	.5	25.27	20.69	24.42	-	-	-	-	-	-	-	72	140,000	19.20
1989	4,860	100.0	8,583	5.3	.4	27.33	-	27.33	-	-	-	-	-	-	-	63	140,000	23.57
Cambridge Electric Light Co																		
1985	-	-	-	-	-	-	-	-	150	97.3	148,885	.5	30.51	27.83	30.44	-	-	-
1986	-	-	-	-	-	-	-	-	428	100.0	149,075	.5	18.20	-	18.20	-	-	-
1987	-	-	-	-	-	-	-	-	123	100.0	150,251	.5	20.53	-	20.53	-	-	-
1988	-	-	-	-	-	-	-	-	311	100.0	149,526	.5	17.96	-	17.96	-	-	-
1989	-	-	-	-	-	-	-	-	265	100.0	149,029	.5	19.98	-	19.98	-	-	-
Canal Electric Co																		
1985	-	-	-	-	-	-	-	-	8,732	95.6	151,174	2.2	24.90	23.20	24.82	-	-	-
1986	-	-	-	-	-	-	-	-	9,552	92.3	152,037	2.0	13.85	17.84	14.16	-	-	-
1987	-	-	-	-	-	-	-	-	8,724	100.0	151,387	2.1	17.48	-	17.48	-	-	-
1988	-	-	-	-	-	-	-	-	9,458	99.1	149,925	2.1	12.86	14.19	12.87	-	-	-
1989	-	-	-	-	-	-	-	-	10,262	85.4	150,010	2.1	15.32	15.26	15.31	-	-	-
Cardinal Operating Co																		
1985	3,855	100.0	11,593	13.5	2.2	39.13	-	39.13	-	-	-	-	-	-	-	77	139,377	33.50
1986	3,906	98.1	11,689	13.4	2.2	38.64	28.99	38.45	-	-	-	-	-	-	-	74	139,023	18.40
1987	3,854	93.4	11,782	13.6	2.2	38.35	28.16	37.68	-	-	-	-	-	-	-	49	139,706	23.36
1988	3,595	95.5	11,810	13.2	2.3	37.02	26.71	36.56	-	-	-	-	-	-	-	36	139,624	20.08
1989	4,445	94.3	11,730	13.6	2.2	34.27	25.78	33.78	-	-	-	-	-	-	-	35	138,950	24.22
Carolina Power & Light Co																		
1985	9,362	98.3	12,511	9.9	.8	50.37	38.95	50.18	-	-	-	-	-	-	-	118	138,000	32.99
1986	9,915	88.2	12,563	9.6	.9	47.92	35.48	46.45	-	-	-	-	-	-	-	105	138,000	19.52
1987	9,709	89.6	12,585	9.5	.9	45.83	36.02	44.80	-	-	-	-	-	-	-	148	138,000	22.85
1988	8,768	99.0	12,599	10.0	.9	44.78	36.21	44.69	-	-	-	-	-	-	-	134	138,000	19.87
1989	9,330	87.0	12,558	9.9	.9	44.83	39.80	44.17	-	-	-	-	-	-	-	112	138,000	22.80
Cedar Falls City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	16	-	10,912	8.8	1.7	-	31.28	31.28	-	-	-	-	-	-	-	-	-	-
1987	27	-	11,149	9.8	2.5	-	27.76	27.76	-	-	-	-	-	-	-	-	-	-
1988	35	-	12,011	10.7	3.4	-	28.72	28.72	-	-	-	-	-	-	-	-	-	-
1989	24	-	11,087	9.3	2.3	-	30.09	30.09	-	-	-	-	-	-	-	-	-	-
Centel Corp																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central Electric Pwr Coop-MO																		
1985	125	-	11,503	9.7	3.1	-	27.34	27.34	-	-	-	-	-	-	-	-	-	-
1986	63	-	11,065	10.4	2.9	-	24.89	24.89	-	-	-	-	-	-	-	-	-	-
1987	91	-	11,159	9.7	2.9	-	25.65	25.65	-	-	-	-	-	-	-	-	-	-
1988	[1] 135	-	11,208	9.0	2.8	-	25.99	25.99	-	-	-	-	-	-	-	-	-	-
1989	[1] 137	-	11,338	9.8	3.4	-	26.19	26.19	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Burbank City of																
1985	2,074	1,083	4.81	-	4.81	-	-	-	2,245	-	-	100	9,981	-	-	9,981
1986	2,688	1,081	2.56	-	2.56	-	-	168	2,906	-	5	95	7,362	-	479	6,883
1987	3,323	1,057	2.57	-	2.57	-	-	-	3,512	-	-	100	8,548	-	-	8,548
1988	3,821	1,036	2.67	-	2.67	-	-	105	3,957	-	3	97	10,556	-	337	10,219
1989	3,079	1,032	2.89	-	2.89	-	-	139	3,178	-	4	96	9,406	-	499	8,907
Cajun Electric Power Coop Inc																
1985	1,962	1,068	-	0.35	.35	100.0	71,026	261	2,096	97	*	3	162,974	160,808	1,487	679
1986	3,514	1,064	-	1.23	1.23	100.0	69,342	240	3,739	95	*	5	138,155	133,080	746	4,328
1987	1,843	1,047	1.66	-	1.66	-	65,459	272	1,929	97	*	3	113,035	108,953	1,022	3,061
1988	7,269	1,055	1.92	-	1.92	-	87,797	422	7,668	92	*	8	140,609	125,246	1,379	13,984
1989	3,900	1,040	2.11	2.02	2.03	82.1	83,423	371	4,055	95	*	5	142,226	132,813	1,486	7,926
Cambridge Electric Light Co																
1985	1,991	1,000	3.76	-	3.76	-	-	938	1,991	-	32	68	12,058	-	4,566	7,492
1986	612	1,000	2.49	-	2.49	-	-	2,680	612	-	81	19	9,312	-	7,790	1,522
1987	2,774	1,000	2.85	-	2.85	-	-	776	2,774	-	22	78	10,428	-	2,526	7,903
1988	1,469	1,000	2.36	-	2.36	-	-	1,953	1,469	-	57	43	9,049	-	5,585	3,463
1989	1,639	1,000	2.67	-	2.67	-	-	1,659	1,639	-	50	50	9,674	-	5,296	4,378
Canal Electric Co																
1985	-	-	-	-	-	-	-	55,442	-	-	100	-	216,738	-	216,738	-
1986	-	-	-	-	-	-	-	60,995	-	-	100	-	135,233	-	135,233	-
1987	-	-	-	-	-	-	-	55,469	-	-	100	-	152,482	-	152,482	-
1988	-	-	-	-	-	-	-	59,556	-	-	100	-	121,740	-	121,740	-
1989	-	-	-	-	-	-	-	64,655	-	-	100	-	157,141	-	157,141	-
Cardinal Operating Co																
1985	-	-	-	-	-	-	89,386	448	-	100	*	-	153,415	150,849	2,566	-
1986	-	-	-	-	-	-	91,312	434	-	100	*	-	151,561	150,194	1,367	-
1987	-	-	-	-	-	-	90,811	285	-	100	*	-	146,343	145,208	1,135	-
1988	-	-	-	-	-	-	84,913	211	-	100	*	-	132,170	131,450	721	-
1989	-	-	-	-	-	-	104,273	204	-	100	*	-	151,008	150,160	848	-
Carolina Power & Light Co																
1985	-	-	-	-	-	-	234,266	685	-	100	*	-	473,693	469,794	3,900	-
1986	-	-	-	-	-	-	249,136	606	-	100	*	-	462,646	460,604	2,042	-
1987	-	-	-	-	-	-	244,397	856	-	100	*	-	438,393	435,018	3,375	-
1988	-	-	-	-	-	-	220,950	776	-	100	*	-	394,561	391,902	2,659	-
1989	-	-	-	-	-	-	234,326	649	-	100	*	-	414,677	412,123	2,554	-
Cedar Falls City of																
1985	4	994	-	4.30	4.30	100.0	-	-	4	-	-	100	16	-	-	16
1986	4	998	-	4.00	4.00	100.0	338	-	4	99	-	1	503	485	-	18
1987	7	1,000	2.53	3.46	3.32	85.2	592	-	7	99	-	1	761	737	-	24
1988	6	1,000	2.09	3.47	3.12	74.9	845	-	6	99	-	1	1,029	1,010	-	19
1989	12	1,000	2.24	3.57	2.65	31.6	540	-	12	98	-	2	766	733	-	33
Centel Corp																
1985	2,238	957	2.78	3.23	2.90	25.6	-	-	2,141	-	-	100	6,480	-	-	6,480
1986	1,917	954	2.45	2.45	2.45	24.4	-	-	1,828	-	-	100	4,702	-	-	4,702
1987	2,256	978	1.91	2.59	2.08	25.4	-	-	2,207	-	-	100	4,703	-	-	4,703
1988	2,166	1,002	1.75	2.08	1.89	43.8	-	-	2,171	-	-	100	4,103	-	-	4,103
1989	1,609	980	1.59	2.32	1.79	27.9	-	-	1,576	-	-	100	2,883	-	-	2,883
Central Electric Pwr Coop-MO																
1985	-	-	-	-	-	-	2,876	-	-	100	-	-	3,417	3,417	-	-
1986	-	-	-	-	-	-	1,394	-	-	100	-	-	1,568	1,568	-	-
1987	-	-	-	-	-	-	2,031	-	-	100	-	-	2,334	2,334	-	-
1988	-	-	-	-	-	-	3,026	-	-	100	-	-	3,509	3,509	-	-
1989	-	-	-	-	-	-	3,107	-	-	100	-	-	3,588	3,588	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Central Hudson Gas & Elec Corp																		
1985	-	-	-	-	-	-	-	-	10,209	93.7	150,675	1.4	26.15	25.92	26.14	52	139,500	35.07
1986	1	100.0	13,299	6.7	0.6	52.13	-	52.13	11,455	97.2	150,406	1.3	15.72	17.08	15.76	44	139,500	21.97
1987	467	100.0	13,266	7.7	.6	49.85	-	49.85	8,387	91.8	151,065	1.3	18.95	18.66	18.93	51	139,500	23.84
1988	950	100.0	13,078	8.5	.6	49.99	-	49.99	[2] 9,842	91.2	151,175	1.3	14.62	15.22	14.68	32	139,500	22.63
1989	855	96.6	13,096	7.9	.6	51.18	47.98	51.07	10,998	88.1	151,054	1.3	17.05	18.18	17.19	52	139,500	25.85
Central Illinois Light Co																		
1985	2,025	100.0	11,943	6.9	2.0	49.36	-	49.36	-	-	-	-	-	-	-	13	137,102	34.94
1986	2,153	100.0	12,028	6.8	2.0	46.23	-	46.23	-	-	-	-	-	-	-	21	137,888	21.89
1987	2,209	80.4	12,018	7.1	1.9	46.10	37.02	44.32	-	-	-	-	-	-	-	15	138,374	24.61
1988	2,112	89.2	11,935	7.3	2.0	44.52	35.69	43.57	-	-	-	-	-	-	-	15	137,469	27.94
1989	2,240	81.7	11,870	7.3	2.0	42.72	38.69	41.98	-	-	-	-	-	-	-	14	137,589	27.43
Central Illinois Pub Serv Co																		
1985	4,694	93.9	11,051	9.1	2.8	38.94	35.04	38.70	-	-	-	-	-	-	-	50	136,592	37.21
1986	4,923	93.5	11,086	8.9	2.8	38.55	26.01	37.74	67	100.0	157,149	.4	11.51	-	11.51	42	137,435	21.44
1987	4,793	94.2	11,145	9.4	2.8	37.91	33.18	37.64	-	-	-	-	-	-	-	55	136,772	24.46
1988	4,277	99.6	11,079	9.3	2.8	34.02	45.26	34.07	-	-	-	-	-	-	-	60	136,984	21.92
1989	4,393	97.3	11,078	9.2	2.7	35.32	40.24	35.45	34	100.0	148,123	.7	21.43	-	21.43	58	137,461	25.63
Central Iowa Power Coop																		
1987	167	45.0	11,588	10.6	2.8	29.72	23.09	26.08	-	-	-	-	-	-	-	-	-	-
1988	167	45.5	11,343	10.3	2.8	31.10	22.50	26.41	-	-	-	-	-	-	-	-	-	-
1989	152	49.9	10,889	10.4	3.0	24.95	22.15	23.55	-	-	-	-	-	-	-	-	-	-
Central Louisiana Elec Co Inc																		
1985	1,981	100.0	8,411	6.8	.5	32.85	-	32.85	-	-	-	-	-	-	-	-	-	-
1986	3,666	100.0	7,506	10.2	.5	23.21	-	23.21	-	-	-	-	-	-	-	-	-	-
1987	4,650	100.0	7,590	9.6	.5	22.48	-	22.48	-	-	-	-	-	-	-	-	-	-
1988	4,901	100.0	7,614	9.5	.5	22.66	-	22.66	-	-	-	-	-	-	-	-	-	-
1989	4,783	94.8	7,565	9.8	.5	23.30	18.13	23.03	-	-	-	-	-	-	-	-	-	-
Central Maine Power Co																		
1985	-	-	-	-	-	-	-	-	2,893	89.5	150,693	.9	26.93	24.24	26.64	21	139,478	34.48
1986	-	-	-	-	-	-	-	-	4,460	80.4	149,877	.9	14.02	18.95	14.99	19	139,100	20.39
1987	-	-	-	-	-	-	-	-	3,958	100.0	150,715	.9	18.56	-	18.56	16	139,047	24.47
1988	-	-	-	-	-	-	-	-	5,013	100.0	149,132	.8	14.65	-	14.65	12	138,958	25.85
1989	-	-	-	-	-	-	-	-	4,820	100.0	149,625	.9	17.37	-	17.37	11	137,703	23.95
Central Nebraska Pub P&I Dist																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	17	-	150,000	1.2	-	14.60	14.60	-	-	-
1987	-	-	-	-	-	-	-	-	22	-	150,000	1.3	-	14.41	14.41	-	-	-
1988	-	-	-	-	-	-	-	-	94	-	150,000	1.1	-	14.73	14.73	-	-	-
1989	-	-	-	-	-	-	-	-	60	-	150,000	1.1	-	13.56	13.56	-	-	-
Central Operating Co																		
1985	1,290	65.8	12,434	10.8	1.0	48.12	31.85	42.56	-	-	-	-	-	-	-	31	137,579	35.15
1986	1,831	66.3	12,352	11.4	1.0	45.69	29.06	40.09	-	-	-	-	-	-	-	32	137,440	20.29
1987	1,699	35.5	12,477	10.7	1.1	45.17	27.49	33.76	-	-	-	-	-	-	-	30	138,062	25.75
1988	1,102	73.8	12,458	10.8	.9	46.24	28.07	41.49	-	-	-	-	-	-	-	*	137,907	40.77
1989	1,791	60.8	12,206	11.5	1.1	41.88	28.61	36.68	-	-	-	-	-	-	-	40	137,192	26.23
Central Power & Light Co																		
1985	1,629	83.3	11,044	6.0	.4	60.70	48.12	58.60	-	-	-	-	-	-	-	-	-	-
1986	1,792	84.3	10,764	5.2	.3	49.61	37.84	47.76	-	-	-	-	-	-	-	-	-	-
1987	1,958	76.9	10,802	5.6	.4	47.10	35.69	44.47	-	-	-	-	-	-	-	-	-	-
1988	1,912	79.5	10,815	5.5	.4	47.54	35.02	44.97	-	-	-	-	-	-	-	-	-	-
1989	1,756	95.0	10,851	5.2	.4	46.93	40.98	46.64	[2] 115	-	147,278	.7	-	18.99	18.99	9	137,668	21.40
Century Power Corp																		
1985	1,203	100.0	9,544	14.3	.7	38.95	-	38.95	-	-	-	-	-	-	-	40	140,741	35.73
1986	925	100.0	9,522	14.2	.8	36.92	-	36.92	-	-	-	-	-	-	-	15	140,472	24.80
1987	909	100.0	9,617	13.9	.8	34.52	-	34.52	-	-	-	-	-	-	-	7	138,816	24.78

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Central Hudson Gas & Elec Corp																
1985	4,353	1,034	4.01	6.17	4.06	2.6	-	64,911	4,500	-	94	6	286,354	-	268,666	17,689
1986	555	1,037	2.98	5.83	4.50	53.5	27	72,620	575	*	99	1	183,993	52	181,442	2,499
1987	6,023	1,034	2.71	5.32	2.74	1.4	12,388	53,512	6,228	17	74	9	199,747	23,275	159,952	16,520
1988	2,150	1,035	2.41	4.86	2.66	10.1	24,836	62,676	2,225	28	70	2	198,342	47,463	145,161	5,718
1989	4,718	1,033	2.95	5.29	3.02	3.1	22,385	70,077	4,872	23	72	5	248,240	43,644	190,354	14,242
Central Illinois Light Co																
1985	94	978	-	4.65	4.65	100.0	48,369	73	92	100	*	*	100,832	99,951	444	437
1986	-	-	-	-	-	-	51,791	120	-	100	*	-	99,976	99,523	453	-
1987	-	-	-	-	-	-	53,097	85	-	100	*	-	98,255	97,894	361	-
1988	-	-	-	-	-	-	50,415	85	-	100	*	-	92,427	92,018	409	-
1989	-	-	-	-	-	-	53,184	81	-	100	*	-	94,434	94,051	383	-
Central Illinois Pub Serv Co																
1985	-	-	-	-	-	-	103,737	285	-	100	*	-	183,480	181,634	1,846	-
1986	-	-	-	-	-	-	109,165	690	-	99	1	-	187,476	185,790	1,686	-
1987	-	-	-	-	-	-	106,831	314	-	100	*	-	181,737	180,402	1,335	-
1988	-	-	-	-	-	-	94,767	348	-	100	*	-	147,023	145,699	1,324	-
1989	-	-	-	-	-	-	97,332	544	-	99	1	-	157,953	155,744	2,209	-
Central Iowa Power Coop																
1987	8	1,027	2.98	3.28	3.13	49.2	3,876	-	8	100	-	*	4,387	4,361	-	25
1988	6	1,021	2.75	3.50	2.90	20.7	3,782	-	6	100	-	*	4,422	4,404	-	18
1989	9	1,021	2.97	3.49	3.11	27.2	3,314	-	9	100	-	*	3,612	3,583	-	29
Central Louisiana Elec Co Inc																
1985	36,605	1,041	3.75	-	3.75	-	33,324	-	38,106	47	-	53	202,398	65,080	-	137,318
1986	32,891	1,041	2.75	-	2.75	-	55,033	-	34,245	62	-	38	175,399	85,075	-	90,324
1987	29,116	1,045	2.10	-	2.10	-	70,583	-	30,420	70	-	30	165,565	104,546	-	61,020
1988	26,223	1,042	2.11	-	2.11	-	74,632	-	27,336	73	-	27	166,501	111,047	-	55,454
1989	29,242	1,043	2.28	-	2.28	-	72,370	-	30,488	70	-	30	176,863	110,141	-	66,722
Central Maine Power Co																
1985	-	-	-	-	-	-	-	18,433	-	-	100	-	77,799	-	77,799	-
1986	-	-	-	-	-	-	-	28,189	-	-	100	-	67,263	-	67,263	-
1987	-	-	-	-	-	-	-	25,144	-	-	100	-	73,827	-	73,827	-
1988	-	-	-	-	-	-	-	31,467	-	-	100	-	73,768	-	73,768	-
1989	-	-	-	-	-	-	-	30,351	-	-	100	-	83,987	-	83,987	-
Central Nebraska Pub P&I Dist																
1985	268	927	3.19	-	3.19	-	-	-	249	-	-	100	857	-	-	857
1986	349	944	3.16	-	3.16	-	-	108	329	-	25	75	1,351	-	251	1,101
1987	73	939	3.15	-	3.15	-	-	138	68	-	67	33	545	-	315	229
1988	854	940	2.34	-	2.34	-	-	591	803	-	42	58	3,381	-	1,382	2,000
1989	1,125	940	2.00	-	2.00	-	-	375	1,057	-	26	74	3,055	-	808	2,247
Central Operating Co																
1985	-	-	-	-	-	-	32,080	179	-	99	1	-	55,986	54,896	1,090	-
1986	-	-	-	-	-	-	45,241	185	-	100	*	-	74,062	73,412	649	-
1987	-	-	-	-	-	-	42,409	171	-	100	*	-	58,134	57,374	760	-
1988	-	-	-	-	-	-	27,469	3	-	100	*	-	45,760	45,739	20	-
1989	-	-	-	-	-	-	43,731	232	-	99	1	-	66,762	65,705	1,057	-
Central Power & Light Co																
1985	123,901	1,036	2.76	3.50	3.06	41.0	35,989	-	128,315	22	-	78	474,779	95,487	-	379,292
1986	119,250	1,039	1.64	3.14	2.37	48.5	38,573	-	123,904	24	-	76	367,771	85,567	-	282,204
1987	98,041	1,038	1.54	2.75	2.17	51.8	42,309	-	101,813	29	-	71	299,777	87,082	-	212,695
1988	92,927	1,043	1.67	2.74	2.30	59.4	41,359	-	96,969	30	-	70	300,161	85,985	-	214,176
1989	94,308	1,045	1.75	2.78	2.40	62.6	38,100	765	98,549	28	1	72	310,145	81,876	2,384	225,886
Century Power Corp																
1985	-	-	-	-	-	-	22,968	238	-	99	1	-	48,302	46,864	1,438	-
1986	-	-	-	-	-	-	17,611	87	-	100	*	-	34,504	34,140	365	-
1987	-	-	-	-	-	-	17,478	42	-	100	*	-	31,545	31,365	179	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Century Power Corp																		
1988	1,249	100.0	9,565	13.9	0.8	35.55	-	35.55	-	-	-	-	-	-	-	10	140,377	24.62
1989	1,360	100.0	9,517	15.1	.7	35.50	-	35.50	-	-	-	-	-	-	-	17	140,688	28.18
Cincinnati Gas & Electric Co																		
1985	5,696	91.6	11,348	13.2	2.1	39.84	27.70	38.81	-	-	-	-	-	-	-	64	138,714	34.75
1986	5,761	90.5	11,481	13.1	2.0	40.31	29.64	39.30	-	-	-	-	-	-	-	70	138,001	21.75
1987	6,370	76.5	11,579	12.3	1.7	38.85	25.59	35.73	-	-	-	-	-	-	-	86	137,806	23.46
1988	6,523	67.2	11,521	12.1	1.8	38.63	23.17	33.56	-	-	-	-	-	-	-	78	137,792	20.82
1989	6,549	78.2	11,542	12.1	1.7	37.10	24.19	34.28	-	-	-	-	-	-	-	78	137,369	24.99
Cleveland Electric Illum Co																		
1985	5,255	68.8	12,361	10.0	2.8	43.14	39.08	41.87	154	-	150,740	1.0	-	28.02	28.02	47	137,862	34.24
1986	5,545	65.4	12,510	9.3	2.7	41.39	36.60	39.73	72	-	149,979	1.2	-	17.18	17.18	70	137,504	23.16
1987	5,879	58.4	12,484	9.5	2.7	40.85	33.81	37.92	51	-	152,712	1.2	-	19.25	19.25	56	137,971	24.38
1988	5,081	53.3	12,517	9.5	2.7	43.10	34.29	38.99	387	-	152,020	1.3	-	15.64	15.64	81	137,611	24.75
1989	5,524	51.8	12,531	9.4	2.7	41.18	33.86	37.65	388	-	152,977	1.1	-	17.07	17.07	56	138,307	25.57
Coffeyville City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado Springs City of																		
1985	1,459	100.0	10,650	7.2	.4	36.66	-	36.66	-	-	-	-	-	-	-	6	136,535	31.79
1986	1,494	100.0	10,655	7.2	.4	35.85	-	35.85	-	-	-	-	-	-	-	4	137,118	19.27
1987	1,313	86.5	10,668	6.8	.4	36.46	22.37	34.55	-	-	-	-	-	-	-	-	-	-
1988	1,207	89.5	10,575	7.1	.4	37.25	20.43	35.48	*	-	158,000	.4	-	18.61	18.61	*	132,405	20.20
1989	1,431	76.7	10,630	6.9	.4	36.26	20.13	32.51	-	-	-	-	-	-	-	-	-	-
Colorado Ute Electric Assn Inc																		
1985	4,748	99.6	10,218	7.9	.4	18.96	14.36	18.94	-	-	-	-	-	-	-	5	136,235	34.00
1986	4,711	99.7	10,309	7.9	.4	18.96	10.78	18.94	-	-	-	-	-	-	-	7	137,196	20.92
1987	5,140	97.7	10,367	8.1	.4	18.84	15.25	18.75	-	-	-	-	-	-	-	3	136,093	23.02
1988	6,057	81.7	10,316	8.1	.4	19.27	15.74	18.62	-	-	-	-	-	-	-	3	137,082	20.20
1989	5,934	88.2	10,331	8.0	.4	20.08	17.86	19.82	-	-	-	-	-	-	-	5	137,932	24.88
Columbia City of																		
1985	37	100.0	10,813	11.1	3.4	35.37	-	35.37	-	-	-	-	-	-	-	-	-	-
1986	52	100.0	10,979	10.2	3.8	35.14	-	35.14	-	-	-	-	-	-	-	-	-	-
1987	63	100.0	10,656	11.3	4.1	34.45	-	34.45	-	-	-	-	-	-	-	-	-	-
1988	58	100.0	10,844	10.7	3.8	33.46	-	33.46	-	-	-	-	-	-	-	-	-	-
1989	42	96.6	10,878	11.1	3.6	33.44	59.44	34.33	-	-	-	-	-	-	-	-	-	-
Columbus Southern Power Co																		
1985	3,778	97.6	11,893	8.6	3.4	37.38	26.31	37.11	-	-	-	-	-	-	-	32	138,553	34.29
1986	3,489	100.0	11,984	8.1	3.3	38.15	-	38.15	-	-	-	-	-	-	-	43	139,212	22.43
1987	3,411	99.7	11,976	8.2	3.0	37.60	22.61	37.56	-	-	-	-	-	-	-	33	139,523	23.83
1988	3,214	100.0	11,845	8.1	3.0	37.67	-	37.67	-	-	-	-	-	-	-	26	139,600	21.46
1989	3,878	83.8	11,778	8.2	3.1	38.18	21.01	35.41	-	-	-	-	-	-	-	47	139,123	24.02
Columbus City of																		
1985	118	-	12,874	9.3	.8	-	47.41	47.41	-	-	-	-	-	-	-	-	-	-
1986	93	-	12,610	8.0	.7	-	43.36	43.36	-	-	-	-	-	-	-	-	-	-
1987	56	-	12,274	8.6	.8	-	40.03	40.03	-	-	-	-	-	-	-	-	-	-
1988	58	-	12,385	7.2	.7	-	38.02	38.02	-	-	-	-	-	-	-	-	-	-
1989	61	-	12,476	7.3	.7	-	38.01	38.01	-	-	-	-	-	-	-	-	-	-
Commonwealth Edison Co IN Inc																		
1985	1,285	100.0	9,473	4.6	.4	54.22	-	54.22	-	-	-	-	-	-	-	-	-	-
1986	1,384	100.0	9,481	4.6	.4	53.93	-	53.93	-	-	-	-	-	-	-	-	-	-
1987	985	100.0	9,506	4.4	.4	56.03	-	56.03	-	-	-	-	-	-	-	-	-	-

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 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Century Power Corp																
1988	-	-	-	-	-	-	23,904	59	-	100	*	-	44,666	44,420	246	-
1989	-	-	-	-	-	-	25,893	100	-	100	*	-	48,772	48,296	476	-
Cincinnati Gas & Electric Co																
1985	-	-	-	-	-	-	129,268	373	-	100	*	-	223,297	221,069	2,228	-
1986	-	-	-	-	-	-	132,292	408	-	100	*	-	227,942	226,411	1,531	-
1987	-	-	-	-	-	-	147,525	495	-	100	*	-	229,616	227,607	2,009	-
1988	-	-	-	-	-	-	150,315	453	-	100	*	-	220,530	218,902	1,628	-
1989	-	-	-	-	-	-	151,172	450	-	100	*	-	226,474	224,525	1,949	-
Cleveland Electric Illum Co																
1985	-	-	-	-	-	-	129,909	1,247	-	99	1	-	225,971	220,046	5,925	-
1986	-	-	-	-	-	-	138,732	858	-	99	1	-	223,177	220,319	2,858	-
1987	-	-	-	-	-	-	146,782	652	-	100	*	-	225,287	222,940	2,347	-
1988	-	-	-	-	-	-	127,202	2,939	-	98	2	-	206,152	198,097	8,055	-
1989	-	-	-	-	-	-	138,435	2,821	-	98	2	-	216,021	207,957	8,064	-
Coffeyville City of																
1985	572	1,000	2.76	-	2.76	-	-	-	572	-	-	100	1,578	-	-	1,578
1986	440	1,000	2.63	-	2.63	-	-	-	440	-	-	100	1,155	-	-	1,155
1987	425	1,000	2.51	-	2.51	-	-	-	425	-	-	100	1,064	-	-	1,064
1988	522	1,000	2.46	-	2.46	-	-	-	522	-	-	100	1,283	-	-	1,283
1989	259	1,000	2.33	-	2.33	-	-	-	259	-	-	100	604	-	-	604
Colorado Springs City of																
1985	220	1,000	4.00	3.98	3.99	37.1	31,088	36	220	99	*	1	54,586	53,512	197	877
1986	85	986	4.26	4.27	4.27	58.1	31,838	23	84	100	*	*	54,004	53,564	78	362
1987	117	982	3.77	4.07	3.98	70.8	28,007	-	115	100	-	*	45,812	45,347	-	466
1988	500	975	2.67	2.93	2.78	43.4	25,526	4	488	98	*	2	44,218	42,815	12	1,391
1989	659	974	2.57	4.16	2.84	16.9	30,422	-	642	98	-	2	48,385	46,515	-	1,870
Colorado Ute Electric Assn Inc																
1985	478	972	3.62	-	3.62	-	97,036	31	465	99	*	*	91,868	89,950	187	1,731
1986	352	1,036	3.41	-	3.41	-	97,120	40	365	100	*	*	90,565	89,217	146	1,201
1987	304	1,051	2.79	-	2.79	-	106,564	15	320	100	*	*	97,303	96,395	60	848
1988	215	1,050	2.77	-	2.77	-	124,965	20	226	100	*	*	113,474	112,807	71	596
1989	148	1,050	2.73	-	2.73	-	122,615	27	155	100	*	*	118,109	117,590	114	405
Columbia City of																
1985	1	1,000	2.49	-	2.49	-	795	-	1	100	-	*	1,302	1,300	-	2
1986	1	1,000	3.17	-	3.17	-	1,146	-	1	100	-	*	1,837	1,833	-	3
1987	-	-	-	-	-	-	1,342	-	-	100	-	-	2,170	2,170	-	-
1988	-	-	-	-	-	-	1,262	-	-	100	-	-	1,946	1,946	-	-
1989	-	-	-	-	-	-	909	-	-	100	-	-	1,435	1,435	-	-
Columbus Southern Power Co																
1985	-	-	-	-	-	-	89,857	185	-	100	*	-	141,282	140,192	1,090	-
1986	-	-	-	-	-	-	83,626	253	-	100	*	-	134,089	133,118	971	-
1987	-	-	-	-	-	-	81,693	194	-	100	*	-	128,880	128,091	789	-
1988	-	-	-	-	-	-	76,133	150	-	100	*	-	121,619	121,070	549	-
1989	-	-	-	-	-	-	91,366	276	-	100	*	-	138,474	137,338	1,136	-
Columbus City of																
1985	-	-	-	-	-	-	3,038	-	-	100	-	-	5,594	5,594	-	-
1986	-	-	-	-	-	-	2,353	-	-	100	-	-	4,046	4,046	-	-
1987	-	-	-	-	-	-	1,367	-	-	100	-	-	2,229	2,229	-	-
1988	-	-	-	-	-	-	1,442	-	-	100	-	-	2,214	2,214	-	-
1989	-	-	-	-	-	-	1,527	-	-	100	-	-	2,326	2,326	-	-
Commonwealth Edison Co IN Inc																
1985	148	1,027	-	4.27	4.27	100.0	24,346	-	152	99	-	1	70,302	69,670	-	631
1986	161	1,029	-	3.96	3.96	100.0	26,245	-	166	99	-	1	75,271	74,635	-	637
1987	211	1,024	-	3.68	3.68	100.0	18,726	-	216	99	-	1	55,965	55,189	-	776

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Commonwealth Edison Co																		
1985	13,457	100.0	9,617	6.8	1.0	56.27	-	56.27	3,001	100.0	151,942	0.7	38.70	-	38.70	260	138,218	34.71
1986	14,389	100.0	9,646	6.8	1.0	55.94	-	55.94	2,095	100.0	150,579	.7	35.08	-	35.08	211	139,593	21.18
1987	10,379	100.0	9,674	7.1	1.0	55.83	-	55.83	3,468	100.0	150,947	.7	22.62	-	22.62	240	140,142	24.83
1988	10,932	100.0	9,674	6.7	.9	51.24	-	51.24	1,277	100.0	150,785	.7	18.89	-	18.89	278	138,564	21.46
1989	8,516	100.0	9,683	7.3	1.1	49.21	-	49.21	1,705	100.0	150,720	.7	21.50	-	21.50	259	138,604	24.93
Commonwealth Electric Co																		
1985	-	-	-	-	-	-	-	-	88	90.9	150,459	1.1	27.28	23.03	26.89	-	-	-
1986	-	-	-	-	-	-	-	-	370	100.0	150,547	.8	16.39	-	16.39	-	-	-
1987	-	-	-	-	-	-	-	-	99	100.0	150,856	.9	18.60	-	18.60	-	-	-
1988	-	-	-	-	-	-	-	-	290	100.0	151,431	1.0	15.91	-	15.91	-	-	-
1989	-	-	-	-	-	-	-	-	225	100.0	149,718	.8	18.37	-	18.37	-	-	-
Community Public Service Co																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut Light & Power Co																		
1985	-	-	-	-	-	-	-	-	7,501	95.2	149,851	1.0	25.98	26.02	25.98	28	138,443	33.85
1986	-	-	-	-	-	-	-	-	12,170	99.0	149,304	.8	15.84	13.91	15.82	20	138,161	21.07
1987	-	-	-	-	-	-	-	-	9,102	98.6	149,744	.8	18.68	18.18	18.67	24	137,951	23.21
1988	-	-	-	-	-	-	-	-	12,020	98.2	149,804	.8	15.42	14.38	15.40	27	137,451	20.85
1989	-	-	-	-	-	-	-	-	12,555	97.8	149,744	.8	18.28	16.38	18.24	25	138,385	25.07
Consolidated Edison Co-NY Inc																		
1985	-	-	-	-	-	-	-	-	15,098	91.8	147,077	.3	28.06	25.21	27.83	-	-	-
1986	-	-	-	-	-	-	-	-	16,021	74.5	147,180	.3	16.53	13.64	15.79	-	-	-
1987	-	-	-	-	-	-	-	-	17,842	89.3	147,476	.3	19.70	17.94	19.54	-	-	-
1988	-	-	-	-	-	-	-	-	21,149	81.7	147,840	.3	16.21	15.57	16.10	-	-	-
1989	-	-	-	-	-	-	-	-	23,991	93.1	148,477	.3	19.41	18.56	19.35	-	-	-
Consumers Power Co																		
1985	6,864	91.0	12,205	9.6	1.0	45.80	38.23	45.12	123	-	147,619	1.0	-	28.35	28.35	14	138,075	32.52
1986	7,204	85.4	12,246	9.6	1.0	46.91	36.12	45.33	705	-	147,619	1.0	-	15.85	15.85	2	138,017	14.48
1987	6,848	75.1	12,396	9.6	.9	47.29	37.75	44.91	244	-	147,540	1.0	-	18.67	18.67	-	-	-
1988	6,737	62.5	12,451	9.5	.8	49.70	37.93	45.29	961	-	147,499	1.0	-	15.71	15.71	-	-	-
1989	7,032	58.7	12,053	9.6	.7	48.13	35.61	42.95	893	-	147,295	1.0	-	17.29	17.29	-	-	-
Coop Power Assn																		
1985	5,874	100.0	6,214	10.9	.7	12.24	-	12.24	1	-	147,000	2.5	-	23.52	23.52	-	-	-
1986	5,766	94.5	6,275	10.3	.7	11.65	5.20	11.29	4	-	147,000	2.5	-	18.21	18.21	-	-	-
1987	4,592	100.0	6,254	10.4	.7	11.72	-	11.72	7	-	147,000	2.5	-	14.07	14.07	-	-	-
1988	6,765	98.7	6,299	10.6	.6	9.14	5.99	9.10	4	-	147,000	2.5	-	11.93	11.93	-	-	-
1989	7,094	95.5	6,277	10.6	.6	8.98	6.00	8.85	6	-	147,000	2.5	-	11.93	11.93	-	-	-
Dairyland Power Coop																		
1985	1,800	100.0	8,909	6.9	1.0	32.96	-	32.96	-	-	-	-	-	-	-	10	140,000	34.38
1986	2,232	100.0	9,763	6.7	1.0	34.29	-	34.29	-	-	-	-	-	-	-	4	140,000	20.10
1987	[1] 2,036	97.6	9,777	5.5	.9	26.41	22.24	26.30	-	-	-	-	-	-	-	9	140,000	24.05
1988	2,130	88.7	9,392	6.8	1.1	25.36	18.13	24.55	-	-	-	-	-	-	-	15	140,000	21.03
1989	2,236	70.6	9,521	6.1	1.0	26.40	21.56	24.97	-	-	-	-	-	-	-	21	140,000	24.31
Dayton Power & Light Co																		
1985	6,603	79.8	11,580	13.6	1.3	46.93	26.91	42.87	-	-	-	-	-	-	-	81	137,739	33.19
1986	8,118	63.8	11,826	13.0	1.3	45.71	28.22	39.38	-	-	-	-	-	-	-	16	136,463	22.01
1987	8,729	56.0	11,741	13.3	1.3	44.74	26.77	36.82	-	-	-	-	-	-	-	46	136,481	21.99
1988	8,154	42.2	11,848	13.1	1.3	46.64	25.34	34.33	-	-	-	-	-	-	-	78	136,950	20.93
1989	8,702	37.9	11,743	13.1	1.2	45.08	27.28	34.02	-	-	-	-	-	-	-	69	138,872	22.71

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Commonwealth Edison Co																
1985	3,971	1,027	4.41	5.60	5.57	97.8	258,820	20,660	4,078	91	7	1	904,530	757,253	125,155	22,122
1986	4,595	1,025	3.65	5.02	5.00	98.4	277,596	14,488	4,708	94	5	2	905,828	804,877	77,968	22,984
1987	1,245	1,021	3.41	4.41	4.39	97.5	200,812	23,401	1,271	89	10	1	669,340	579,449	84,431	5,460
1988	3,564	1,021	3.08	3.81	3.49	55.8	211,511	9,703	3,639	94	4	2	602,639	560,132	30,077	12,430
1989	4,158	1,018	3.08	4.63	3.56	31.1	164,928	12,299	4,233	91	7	2	476,947	419,053	43,098	14,796
Commonwealth Electric Co																
1985	873	1,000	3.59	-	3.59	-	-	556	873	-	39	61	5,501	-	2,366	3,135
1986	153	1,000	2.61	-	2.61	-	-	2,340	153	-	94	6	6,464	-	6,065	399
1987	1,693	1,000	2.72	-	2.72	-	-	627	1,693	-	27	73	6,445	-	1,841	4,604
1988	798	1,000	2.27	-	2.27	-	-	1,844	798	-	70	30	6,425	-	4,613	1,812
1989	919	1,000	2.49	-	2.49	-	-	1,415	919	-	61	39	6,425	-	4,132	2,293
Community Public Service Co																
1985	6	1,039	3.85	4.05	4.02	84.4	-	-	7	-	-	100	26	-	-	26
1986	6	1,034	3.52	-	3.52	-	-	-	6	-	-	100	20	-	-	20
1987	110	1,021	3.07	-	3.07	-	-	-	112	-	-	100	337	-	-	337
1988	2	1,033	2.99	-	2.99	-	-	-	2	-	-	100	6	-	-	6
1989	8	1,030	3.85	-	3.85	-	-	-	8	-	-	100	30	-	-	30
Connecticut Light & Power Co																
1985	1,562	1,031	3.49	-	3.49	-	-	47,373	1,611	-	97	3	201,291	-	195,835	5,456
1986	641	1,036	2.14	-	2.14	-	-	76,428	664	-	99	1	194,343	-	192,973	1,370
1987	4,190	1,032	2.19	-	2.19	-	-	57,385	4,322	-	93	7	179,683	-	170,516	9,167
1988	1,214	1,031	2.23	-	2.23	-	-	75,784	1,251	-	98	2	188,353	-	185,649	2,704
1989	1,004	1,030	2.61	-	2.61	-	-	79,109	1,034	-	99	1	232,203	-	229,581	2,622
Consolidated Edison Co-NY Inc																
1985	71,598	1,036	-	3.46	3.46	100.0	-	93,265	74,185	-	56	44	667,613	-	420,206	247,407
1986	70,109	1,036	-	2.31	2.31	100.0	-	99,032	72,613	-	58	42	414,780	-	253,020	161,760
1987	68,458	1,029	-	2.69	2.69	100.0	-	110,514	70,454	-	61	39	532,341	-	348,439	183,902
1988	69,925	1,030	-	2.32	2.32	100.0	-	131,319	72,036	-	65	35	502,487	-	340,399	162,088
1989	75,876	1,030	-	2.29	2.29	100.0	-	149,606	78,165	-	66	34	637,669	-	464,217	173,452
Consumers Power Co																
1985	-	-	-	-	-	-	167,555	849	-	99	1	-	313,687	309,717	3,970	-
1986	-	-	-	-	-	-	176,426	4,383	-	98	2	-	337,734	326,531	11,204	-
1987	-	-	-	-	-	-	169,778	1,511	-	99	1	-	312,108	307,556	4,552	-
1988	-	-	-	-	-	-	167,769	5,953	-	97	3	-	320,210	305,110	15,100	-
1989	-	-	-	-	-	-	169,510	5,526	-	97	3	-	317,489	302,041	15,448	-
Coop Power Assn																
1985	-	-	-	-	-	-	73,007	8	-	100	*	-	71,924	71,895	29	-
1986	-	-	-	-	-	-	72,363	23	-	100	*	-	65,172	65,104	68	-
1987	-	-	-	-	-	-	57,435	44	-	100	*	-	53,924	53,822	101	-
1988	-	-	-	-	-	-	85,230	22	-	100	*	-	61,573	61,531	42	-
1989	-	-	-	-	-	-	89,058	35	-	100	*	-	62,824	62,756	68	-
Dairyland Power Coop																
1985	-	-	-	-	-	-	32,065	60	-	100	*	-	59,671	59,319	352	-
1986	-	-	-	-	-	-	43,585	22	-	100	*	-	76,626	76,552	74	-
1987	-	-	-	-	-	-	39,816	52	-	100	*	-	53,771	53,559	212	-
1988	-	-	-	-	-	-	40,003	90	-	100	*	-	52,608	52,285	323	-
1989	-	-	-	-	-	-	42,583	123	-	100	*	-	56,358	55,848	511	-
Dayton Power & Light Co																
1985	167	1,020	5.22	-	5.22	-	152,918	466	170	100	*	*	286,628	283,081	2,675	871
1986	170	1,020	4.64	-	4.64	-	192,019	92	174	100	*	*	320,866	319,720	354	791
1987	200	1,020	4.07	-	4.07	-	204,966	263	204	100	*	*	323,226	321,405	1,007	813
1988	262	1,020	3.97	-	3.97	-	193,206	449	267	100	*	*	282,615	279,941	1,635	1,038
1989	182	1,020	4.03	-	4.03	-	204,381	401	186	100	*	*	298,357	296,062	1,560	735

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Deepwater Operating Co																		
1985	122	92.9	13,002	8.5	0.8	49.70	46.24	49.45	425	100.0	150,838	0.9	25.50	-	25.50	-	-	-
1986	184	96.2	13,066	8.1	.8	47.40	40.44	47.14	196	100.0	148,945	1.0	13.86	-	13.86	-	-	-
1987	187	92.5	13,121	7.8	.8	43.25	41.24	43.10	141	100.0	149,362	.9	19.72	-	19.72	-	-	-
1988	156	95.5	13,153	7.9	.8	44.78	44.87	44.79	361	100.0	149,643	.9	14.79	-	14.79	-	-	-
1989	173	100.0	13,073	8.2	.8	45.88	-	45.88	240	100.0	149,408	.9	18.80	-	18.80	-	-	-
Delmarva Power & Light Co																		
1985	2,249	72.4	12,962	9.0	1.0	51.19	45.15	49.52	2,362	45.5	150,484	.9	25.14	26.41	25.83	115	139,159	31.81
1986	2,296	84.7	13,000	8.8	1.0	50.53	45.44	49.75	3,312	84.7	149,765	1.1	14.08	13.90	14.05	152	139,981	20.32
1987	2,422	85.4	13,065	8.7	1.0	48.26	41.90	47.33	3,051	49.5	150,698	1.2	18.66	16.55	17.59	106	137,599	22.94
1988	2,525	75.8	12,901	9.1	1.1	47.71	43.15	46.60	4,020	52.2	151,327	1.1	13.95	14.84	14.38	170	135,151	19.90
1989	1,918	88.4	12,943	9.0	1.0	47.06	41.53	46.41	3,747	86.2	151,169	1.1	17.16	15.84	16.98	217	135,785	22.18
Denton City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	139,625	29.03
Deseret Generation & Tran Coop																		
1986	655	100.0	10,645	8.8	.4	41.81	-	41.81	-	-	-	-	-	-	-	40	140,572	22.60
1987	1,050	100.0	10,698	8.8	.4	44.08	-	44.08	-	-	-	-	-	-	-	9	141,000	23.52
1988	1,029	100.0	10,770	8.5	.4	53.39	-	53.39	-	-	-	-	-	-	-	2	141,000	23.52
1989	1,343	100.0	10,776	8.7	.4	51.68	-	51.68	-	-	-	-	-	-	-	1	141,000	32.25
Detroit City of																		
1985	-	-	-	-	-	-	-	-	205	-	147,489	.6	-	29.09	29.09	4	139,784	11.28
1986	-	-	-	-	-	-	-	-	332	-	148,207	.6	-	19.29	19.29	15	140,750	23.94
1987	-	-	-	-	-	-	-	-	320	-	146,933	.7	-	17.83	17.83	-	-	-
1988	-	-	-	-	-	-	-	-	486	-	147,835	.7	-	17.85	17.85	11	140,754	20.55
1989	-	-	-	-	-	-	-	-	381	-	146,760	.7	-	17.42	17.42	49	139,953	26.57
Detroit Edison Co																		
1985	14,489	87.3	11,417	6.4	.7	42.97	42.35	42.89	17	-	141,036	.9	-	26.04	26.04	608	138,266	32.65
1986	17,493	80.4	11,382	6.1	.7	42.95	31.70	40.74	459	-	148,244	.7	-	14.04	14.04	422	137,813	19.71
1987	19,603	75.2	11,291	5.9	.7	41.57	29.30	38.53	403	-	145,982	.7	-	21.02	21.02	383	137,630	23.01
1988	18,516	80.6	11,317	5.9	.7	40.75	32.60	39.17	517	-	146,622	.7	-	16.02	16.02	394	138,851	20.73
1989	18,328	89.5	10,955	5.7	.6	38.11	28.39	37.09	714	-	145,536	.7	-	20.05	20.05	287	138,369	24.06
Dover City of																		
1985	-	-	-	-	-	-	-	-	436	100.0	150,473	2.4	26.21	-	26.21	-	-	-
1986	-	-	-	-	-	-	-	-	676	100.0	151,122	2.4	15.05	-	15.05	5	140,769	20.18
1987	-	-	-	-	-	-	-	-	397	97.9	151,533	2.2	17.34	17.50	17.35	*	140,853	19.34
1988	-	-	-	-	-	-	-	-	766	100.0	152,110	2.1	14.57	-	14.57	-	-	-
1989	-	-	-	-	-	-	-	-	768	100.0	151,736	2.1	16.39	-	16.39	-	-	-
Duke Power Co																		
1985	10,819	83.9	12,458	10.3	.9	50.59	36.71	48.36	-	-	-	-	-	-	-	95	138,703	33.05
1986	9,768	84.2	12,539	10.1	1.0	48.28	34.65	46.13	-	-	-	-	-	-	-	100	138,634	20.56
1987	8,567	82.8	12,510	10.0	.9	46.59	35.92	44.75	-	-	-	-	-	-	-	132	138,254	22.50
1988	8,444	87.4	12,552	10.0	1.0	46.09	34.23	44.59	-	-	-	-	-	-	-	117	138,744	20.70
1989	9,572	76.9	12,489	10.0	.9	46.21	38.15	44.35	-	-	-	-	-	-	-	106	138,626	24.04
Duquesne Light Co																		
1985	2,226	100.0	12,110	13.2	1.6	42.43	-	42.43	-	-	-	-	-	-	-	85	135,605	33.62
1986	2,217	97.4	12,180	12.9	1.6	42.21	29.86	41.90	-	-	-	-	-	-	-	67	136,311	26.38
1987	2,374	91.4	12,211	13.1	1.6	38.94	28.90	38.08	-	-	-	-	-	-	-	47	136,355	25.84
1988	2,055	80.4	12,278	12.6	1.6	36.46	28.26	34.85	-	-	-	-	-	-	-	34	136,962	22.33
1989	2,514	52.0	12,258	12.6	1.7	33.38	26.59	30.12	-	-	-	-	-	-	-	19	136,398	25.48
East Kentucky Power Coop																		
1985	2,442	45.4	11,728	11.4	1.5	29.81	29.17	29.46	-	-	-	-	-	-	-	11	138,600	33.63
1986	3,026	36.6	11,815	11.7	1.3	26.27	27.33	26.94	-	-	-	-	-	-	-	10	138,600	21.47

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Deepwater Operating Co																
1985	75	1,041	4.11	-	4.11	-	3,170	2,692	79	53	45	1	17,176	6,028	10,838	310
1986	570	1,036	2.41	-	2.41	-	4,808	1,226	591	73	19	9	12,765	8,673	2,716	1,376
1987	2,277	1,028	2.87	-	2.87	-	4,907	885	2,342	60	11	29	17,366	8,059	2,780	6,527
1988	86	1,032	2.54	-	2.54	-	4,104	2,269	89	64	35	1	12,546	6,987	5,341	218
1989	1,779	1,034	2.78	-	2.78	-	4,523	1,506	1,840	57	19	23	17,390	7,937	4,513	4,940
Delmarva Power & Light Co																
1985	[3] 6,475	1,040	4.03	-	4.03	-	58,292	15,604	6,736	72	19	8	202,118	111,359	64,691	26,067
1986	[3] 1,384	1,048	2.55	-	2.55	-	59,701	21,722	1,451	72	26	2	167,382	114,241	49,615	3,526
1987	[3] 6,405	1,037	2.88	-	2.88	-	63,299	19,921	6,644	70	22	7	189,201	114,662	56,105	18,434
1988	[3] 819	1,095	2.64	-	2.64	-	65,140	26,519	897	70	29	1	181,001	117,655	61,185	2,161
1989	[3] 5,709	1,077	2.99	2.34	2.72	41.6	49,645	25,027	6,151	61	31	8	173,011	89,013	68,445	15,553
Denton City of																
1985	1,459	1,099	3.54	-	3.54	-	-	-	1,603	-	-	100	5,164	-	-	5,164
1986	933	1,084	1.89	-	1.89	-	-	-	1,012	-	-	100	1,760	-	-	1,760
1987	642	1,142	2.68	-	2.68	-	-	-	734	-	-	100	1,724	-	-	1,724
1988	1,094	1,066	2.41	-	2.41	-	-	-	1,165	-	-	100	2,640	-	-	2,640
1989	642	1,093	2.10	-	2.10	-	-	204	702	-	23	77	2,360	-	1,010	1,350
Deseret Generation & Tran Coop																
1986	-	-	-	-	-	-	13,941	233	-	98	2	-	28,271	27,378	893	-
1987	-	-	-	-	-	-	22,466	53	-	100	*	-	46,499	46,287	212	-
1988	-	-	-	-	-	-	22,166	12	-	100	*	-	54,985	54,938	47	-
1989	-	-	-	-	-	-	28,945	6	-	100	*	-	69,439	69,407	32	-
Detroit City of																
1985	1,746	1,017	4.32	-	4.32	-	-	1,296	1,776	-	42	58	13,565	-	6,015	7,550
1986	1,800	1,012	4.08	-	4.08	-	-	2,153	1,822	-	54	46	14,094	-	6,754	7,340
1987	2,505	1,016	2.86	2.99	2.91	38.5	-	1,975	2,545	-	44	56	12,989	-	5,706	7,282
1988	22	1,016	2.75	-	2.75	-	-	3,084	22	-	99	1	8,966	-	8,906	60
1989	-	-	-	-	-	-	-	2,636	-	-	100	-	7,935	-	7,935	-
Detroit Edison Co																
1985	[3] 5,059	267	.44	2.12	1.25	47.9	330,836	3,632	1,352	99	1	*	648,040	621,440	20,298	6,302
1986	[3] 8,185	196	.56	5.41	.62	1.2	398,227	5,303	1,605	98	1	*	732,582	712,707	14,770	5,105
1987	[3] 7,637	184	.42	3.03	.44	.9	442,686	4,688	1,403	99	1	*	776,029	755,351	17,296	3,382
1988	12,746	135	.32	.27	.31	12.4	419,078	5,484	1,724	98	1	*	745,684	725,239	16,459	3,985
1989	16,243	108	.19	-	.19	-	401,575	6,035	1,746	98	1	*	704,013	679,735	21,234	3,045
Dover City of																
1985	850	1,018	-	4.03	4.03	100.0	-	2,758	865	-	76	24	14,859	-	11,436	3,422
1986	283	1,036	3.61	3.07	3.14	86.8	-	4,321	294	-	94	6	11,164	-	10,274	890
1987	1,452	1,032	2.81	2.69	2.70	92.1	-	2,526	1,498	-	63	37	10,803	-	6,886	3,917
1988	485	1,032	-	2.52	2.52	100.0	-	4,894	500	-	91	9	12,387	-	11,164	1,223
1989	377	1,032	-	2.88	2.88	100.0	-	4,896	390	-	93	7	13,685	-	12,596	1,089
Duke Power Co																
1985	87	1,038	4.76	-	4.76	-	269,577	553	90	100	*	*	526,748	523,193	3,140	414
1986	43	1,036	3.67	-	3.67	-	244,973	582	45	100	*	*	452,854	450,639	2,056	158
1987	63	1,028	3.08	-	3.08	-	214,355	766	65	100	*	*	386,565	383,402	2,970	194
1988	33	1,030	3.64	-	3.64	-	211,974	682	34	100	*	*	379,100	376,558	2,422	120
1989	-	-	-	-	-	-	239,096	617	-	100	*	-	427,043	424,494	2,549	-
Duquesne Light Co																
1985	-	-	-	-	-	-	53,914	484	-	99	1	-	97,297	94,439	2,858	-
1986	159	1,036	3.09	-	3.09	-	54,000	384	165	99	1	*	95,131	92,872	1,767	491
1987	195	1,040	3.03	-	3.03	-	57,980	269	203	99	*	*	92,208	90,403	1,215	591
1988	340	1,040	3.29	-	3.29	-	50,464	196	354	99	*	1	73,493	71,616	759	1,118
1989	189	1,040	3.32	-	3.32	-	61,635	109	197	100	*	*	76,846	75,734	484	628
East Kentucky Power Coop																
1985	-	-	-	-	-	-	57,285	64	-	100	*	-	72,320	71,950	370	-
1986	-	-	-	-	-	-	71,509	56	-	100	*	-	81,744	81,539	205	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
East Kentucky Power Coop																		
1987	3,198	32.7	11,904	11.4	1.3	26.76	26.05	26.28	-	-	-	-	-	-	-	9	138,600	24.72
1988	2,893	36.4	12,044	11.6	1.1	27.80	25.67	26.44	-	-	-	-	-	-	-	10	138,600	20.96
1989	2,378	41.0	12,029	11.6	1.1	26.94	27.15	27.06	-	-	-	-	-	-	-	13	138,600	23.74
Eastern Iowa Light&Power Coop																		
1985	130	58.1	11,370	11.6	2.9	30.07	23.86	27.47	-	-	-	-	-	-	-	-	-	-
1986	124	61.3	11,464	10.3	2.6	29.73	22.45	26.92	-	-	-	-	-	-	-	-	-	-
El Paso Electric Co																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Energy Inc																		
1985	2,613	94.0	11,679	9.2	2.0	40.14	37.78	40.00	-	-	-	-	-	-	-	7	137,965	34.17
1986	2,306	100.0	11,682	9.1	2.0	41.18	43.13	41.18	-	-	-	-	-	-	-	7	138,612	23.23
1987	2,022	73.9	11,759	8.0	1.9	41.22	28.86	38.00	-	-	-	-	-	-	-	8	138,990	25.59
1988	2,149	73.0	11,796	8.3	2.1	33.49	28.01	32.01	-	-	-	-	-	-	-	6	139,327	27.50
1989	2,433	60.1	11,468	8.5	1.9	35.09	25.27	31.17	-	-	-	-	-	-	-	5	138,710	25.72
Empire District Electric Co																		
1985	822	60.2	11,033	20.4	4.8	23.50	31.80	26.80	-	-	-	-	-	-	-	8	142,365	33.85
1986	832	52.9	11,203	18.0	4.6	25.38	31.30	28.17	-	-	-	-	-	-	-	13	143,066	15.58
1987	849	53.3	11,187	18.6	4.5	24.04	32.70	28.08	-	-	-	-	-	-	-	3	143,034	23.18
1988	821	79.1	10,371	18.1	4.0	21.68	32.13	23.86	-	-	-	-	-	-	-	24	142,500	22.33
1989	1,147	84.6	9,908	17.5	3.7	20.00	27.96	21.22	-	-	-	-	-	-	-	8	143,034	31.04
Florida Power & Light Co																		
1985	-	-	-	-	-	-	-	-	11,449	78.0	151,233	0.8	24.91	24.50	24.82	-	-	-
1986	-	-	-	-	-	-	-	-	25,378	67.3	151,078	.9	13.53	14.48	13.84	50	138,600	14.37
1987	-	-	-	-	-	-	-	-	20,945	61.5	159,417	.9	20.69	18.32	19.78	-	-	-
1988	-	-	-	-	-	-	-	-	25,728	59.3	151,495	1.0	14.58	14.04	14.36	-	-	-
1989	-	-	-	-	-	-	-	-	25,387	62.0	151,099	1.0	17.47	17.60	17.52	10	138,100	24.37
Florida Power Corp																		
1985	4,763	94.3	12,596	9.4	.8	58.07	46.01	57.39	5,595	100.0	150,807	1.2	24.62	-	24.62	171	138,085	33.66
1986	5,660	77.1	12,623	8.8	.8	48.84	43.37	47.59	9,334	100.0	150,764	1.4	13.70	-	13.70	176	138,755	21.57
1987	5,830	71.7	12,631	8.8	.8	48.28	41.43	46.34	8,610	100.0	151,053	1.4	17.62	-	17.62	219	139,810	23.47
1988	5,832	81.1	12,696	8.6	.8	47.91	42.10	46.81	7,279	100.0	151,209	1.5	13.37	-	13.37	234	140,178	20.85
1989	5,664	84.5	12,628	8.7	.8	44.71	39.92	43.97	11,308	100.0	151,252	1.5	16.49	-	16.49	236	140,228	23.98
Fort Pierre City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	138,441	22.64
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	138,441	24.59
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	141,552	19.01
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fremont City of																		
1985	137	67.4	11,330	7.4	.5	46.40	28.87	40.69	-	-	-	-	-	-	-	-	-	-
1986	121	84.0	11,792	7.2	.6	44.51	31.61	42.44	-	-	-	-	-	-	-	-	-	-
1987	119	65.5	10,773	7.5	.5	42.50	14.41	32.82	-	-	-	-	-	-	-	-	-	-
1988	127	62.3	10,918	7.1	.5	44.18	14.23	32.89	-	-	-	-	-	-	-	-	-	-
1989	121	65.7	11,104	6.9	.5	44.80	14.91	34.54	-	-	-	-	-	-	-	-	-	-
Gainesville Regional Utilities																		
1985	574	3.0	13,161	6.2	.7	55.78	50.01	50.18	-	-	-	-	-	-	-	10	140,444	34.59
1986	510	-	13,238	6.1	.8	-	45.65	45.65	8	-	156,393	.3	-	17.77	17.77	1	140,909	28.30
1987	446	-	13,390	6.8	.8	-	45.05	45.05	7	-	150,458	1.4	-	20.05	20.05	-	-	-
1988	598	34.9	13,394	6.3	.7	45.03	46.02	45.67	1	-	148,731	1.6	-	17.02	17.02	-	-	-
1989	516	83.1	13,067	6.0	.7	44.94	48.29	45.50	12	-	151,433	1.4	-	20.04	20.04	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
East Kentucky Power Coop																
1987	-	-	-	-	-	-	76,147	53	-	100	*	-	84,280	84,056	224	-
1988	-	-	-	-	-	-	69,698	56	-	100	*	-	76,722	76,518	203	-
1989	-	-	-	-	-	-	57,221	77	-	100	*	-	64,681	64,368	313	-
Eastern Iowa Light&Power Coop																
1985	9	1,030	3.92	4.47	4.00	14.3	2,947	-	9	100	-	*	3,594	3,560	-	34
1986	10	1,026	3.67	4.05	3.78	28.1	2,850	-	10	100	-	*	3,383	3,346	-	37
El Paso Electric Co																
1985	10,448	1,038	3.81	3.43	3.48	85.8	-	-	10,840	-	-	100	36,366	-	-	36,366
1986	9,345	1,031	2.17	2.31	2.29	87.3	-	-	9,634	-	-	100	21,430	-	-	21,430
1987	10,680	1,029	-	2.05	2.05	100.0	-	-	10,990	-	-	100	21,886	-	-	21,886
1988	14,437	1,027	1.95	2.10	2.05	65.0	-	-	14,827	-	-	100	29,602	-	-	29,602
1989	20,038	1,029	2.03	1.96	2.00	47.5	-	-	20,612	-	-	100	40,008	-	-	40,008
Electric Energy Inc																
1985	-	-	-	-	-	-	61,026	40	-	100	*	-	104,752	104,516	236	-
1986	-	-	-	-	-	-	53,887	43	-	100	*	-	95,149	94,977	172	-
1987	-	-	-	-	-	-	47,555	46	-	100	*	-	77,035	76,833	202	-
1988	-	-	-	-	-	-	50,711	35	-	100	*	-	68,963	68,800	162	-
1989	-	-	-	-	-	-	55,806	30	-	100	*	-	75,985	75,854	131	-
Empire District Electric Co																
1985	202	1,017	2.79	-	2.79	-	18,134	48	206	99	*	1	22,862	22,028	270	564
1986	177	1,017	2.45	-	2.45	-	18,652	80	180	99	*	1	24,090	23,450	207	433
1987	174	1,012	3.00	-	3.00	-	18,995	18	176	99	*	1	24,433	23,842	71	521
1988	60	1,023	3.53	-	3.53	-	17,021	145	62	99	1	*	20,337	19,581	542	213
1989	51	1,007	3.14	-	3.14	-	22,733	50	51	100	*	*	24,765	24,346	259	160
Florida Power & Light Co																
1985	95,139	1,000	-	3.25	3.25	100.0	-	72,722	95,139	-	43	57	593,467	-	284,140	309,327
1986	98,520	1,000	-	2.01	2.01	100.0	-	161,321	98,520	-	62	38	549,631	-	351,946	197,685
1987	111,593	1,000	-	2.70	2.70	100.0	-	140,238	111,593	-	56	44	716,017	-	414,288	301,729
1988	95,322	1,000	-	2.05	2.05	100.0	-	163,700	95,322	-	63	37	564,541	-	369,468	195,073
1989	106,279	1,000	2.39	2.47	2.43	49.3	-	161,168	106,279	-	60	40	703,635	-	445,036	258,599
Florida Power Corp																
1985	7,950	1,027	3.65	-	3.65	-	119,997	39,606	8,162	72	24	5	457,909	273,352	155,577	28,980
1986	1,479	1,022	2.82	-	2.82	-	142,894	60,131	1,511	70	29	1	405,156	269,351	131,629	4,175
1987	2,670	1,024	3.10	3.32	3.10	*	147,279	55,913	2,735	72	27	1	435,283	270,154	156,856	8,272
1988	2,483	1,023	2.19	-	2.19	-	148,073	47,609	2,541	75	24	1	380,604	272,987	102,187	5,431
1989	5,379	1,021	2.34	-	2.34	-	143,049	73,225	5,494	65	33	2	453,692	249,023	192,100	12,569
Fort Pierre City of																
1985	1,582	1,028	3.18	-	3.18	-	-	-	1,626	-	-	100	5,024	-	-	5,024
1986	914	1,022	2.19	-	2.19	-	-	3	935	-	*	100	2,012	-	14	1,999
1987	801	1,023	2.79	-	2.79	-	-	3	819	-	*	100	2,248	-	12	2,236
1988	1,313	1,024	2.41	-	2.41	-	-	48	1,344	-	3	97	3,319	-	152	3,167
1989	1,388	1,026	2.59	-	2.59	-	-	-	1,424	-	-	100	3,602	-	-	3,602
Fremont City of																
1985	11	998	4.61	4.41	4.48	64.0	3,098	-	11	100	-	*	5,614	5,563	-	51
1986	154	998	-	2.35	2.35	100.0	2,854	-	154	95	-	5	5,498	5,135	-	362
1987	160	998	-	1.85	1.85	100.0	2,562	-	160	94	-	6	4,198	3,902	-	297
1988	121	998	-	1.85	1.85	100.0	2,769	-	121	96	-	4	4,394	4,170	-	224
1989	192	998	-	1.90	1.90	100.0	2,696	-	191	93	-	7	4,557	4,193	-	365
Gainesville Regional Utilities																
1985	3,415	1,028	3.19	-	3.19	-	15,099	60	3,510	81	*	19	40,026	28,786	352	10,888
1986	3,505	1,022	2.26	-	2.26	-	13,494	63	3,580	79	*	21	31,376	23,265	190	7,921
1987	2,621	1,025	2.87	-	2.87	-	11,939	42	2,687	81	*	18	27,725	20,083	132	7,510
1988	2,567	1,024	2.42	-	2.42	-	16,033	9	2,629	86	*	14	33,574	27,334	24	6,216
1989	3,517	1,027	2.64	-	2.64	-	13,493	74	3,613	79	*	21	33,003	23,494	232	9,277

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Garland City of																		
1985	-	-	-	-	-	-	-	-	[2] 83	100.0	147,106	0.0	31.62	-	31.62	-	-	-
1986	-	-	-	-	-	-	-	-	[2] 10	100.0	149,953	.0	28.34	-	28.34	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	[2] 7	-	142,686	.0	-	27.57	27.57	-	-	-
Georgia Power Co																		
1985	25,485	94.6	12,096	10.0	1.8	45.84	39.87	45.52	30	-	147,000	2.8	-	21.28	21.28	478	138,000	32.69
1986	26,471	92.6	12,120	9.8	1.8	44.63	35.57	43.96	177	-	149,075	.3	-	10.94	10.94	166	138,000	20.01
1987	25,574	82.6	12,149	10.0	1.8	45.22	35.81	43.58	76	-	147,000	2.8	-	18.91	18.91	181	138,000	22.61
1988	24,265	88.2	12,145	10.2	1.7	43.58	34.21	42.48	105	-	149,000	.2	-	13.61	13.61	197	138,000	19.62
1989	24,473	77.8	12,078	10.2	1.7	44.06	35.93	42.25	17	-	147,000	2.6	-	17.15	17.15	195	138,000	26.21
Glendale City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	58	-	148,511	.2	-	16.17	16.17	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Haven City of																		
1985	177	55.5	11,176	10.3	2.4	41.81	37.01	39.67	-	-	-	-	-	-	-	-	-	-
1986	105	48.1	11,103	10.4	2.7	39.19	33.75	36.37	-	-	-	-	-	-	-	-	-	-
1987	183	54.7	10,965	10.5	2.6	38.89	29.00	34.41	-	-	-	-	-	-	-	-	-	-
1988	160	46.3	10,902	10.5	2.5	39.69	30.76	34.89	-	-	-	-	-	-	-	-	-	-
1989	187	46.6	11,068	10.0	2.5	35.68	31.92	33.67	-	-	-	-	-	-	-	-	-	-
Grand Island City of																		
1985	216	100.0	8,105	5.9	.4	29.36	-	29.36	-	-	-	-	-	-	-	-	-	-
1986	208	100.0	8,116	5.7	.4	29.72	-	29.72	-	-	-	-	-	-	-	1	140,476	22.16
1987	225	100.0	8,088	6.1	.4	28.87	-	28.87	-	-	-	-	-	-	-	1	140,000	23.31
1988	247	14.6	8,438	5.1	.3	26.13	11.31	13.47	-	-	-	-	-	-	-	1	140,000	20.90
1989	304	-	8,430	5.2	.3	-	11.40	11.40	-	-	-	-	-	-	-	-	-	-
Grand River Dam Authority																		
1985	2,279	79.4	8,239	5.2	.3	23.54	21.27	23.07	-	-	-	-	-	-	-	40	136,341	32.47
1986	2,583	98.1	8,400	5.1	.4	22.98	30.19	23.12	-	-	-	-	-	-	-	45	137,828	19.29
1987	2,151	100.0	8,464	5.5	.5	24.17	-	24.17	-	-	-	-	-	-	-	34	137,265	22.47
1988	2,799	99.0	8,513	5.3	.5	17.25	30.31	17.38	-	-	-	-	-	-	-	37	137,607	19.74
1989	3,870	87.4	8,487	5.1	.5	16.52	15.47	16.39	-	-	-	-	-	-	-	27	137,890	24.47
Greenville City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	138,000	30.33
Gulf Power Co																		
1985	2,977	99.0	12,027	10.6	2.2	54.36	37.38	54.18	-	-	-	-	-	-	-	22	137,000	32.42
1986	3,092	79.3	12,012	10.5	2.1	52.10	33.16	48.19	-	-	-	-	-	-	-	16	137,000	20.48
1987	3,240	46.4	12,247	9.7	2.8	53.29	30.62	41.14	-	-	-	-	-	-	-	15	137,000	22.47
1988	3,755	50.2	12,275	9.1	2.8	48.02	30.73	39.41	-	-	-	-	-	-	-	22	137,000	19.99
1989	2,746	66.1	12,128	9.0	2.8	48.97	32.86	43.51	-	-	-	-	-	-	-	25	137,000	22.14
Gulf States Utilities Co																		
1985	2,093	100.0	8,630	6.6	.5	38.96	-	38.96	-	-	-	-	-	-	-	11	141,591	31.24
1986	2,303	100.0	8,586	6.5	.5	32.97	-	32.97	139	-	149,290	.5	-	9.49	9.49	1	141,446	21.92
1987	2,181	100.0	8,573	6.6	.5	32.88	-	32.88	99	-	150,575	.6	-	17.49	17.49	17	140,299	20.54
1988	2,048	100.0	8,658	6.3	.5	34.87	-	34.87	207	-	149,896	.4	-	13.15	13.15	27	139,245	19.14
1989	1,951	100.0	8,723	5.9	.5	33.80	-	33.80	206	-	160,420	.5	-	18.02	18.02	19	138,861	23.51

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Garland City of																
1985	5,943	1,039	3.36	3.19	3.33	14.0	-	515	6,173	-	8	92	22,454	-	2,637	19,818
1986	7,281	1,041	1.78	-	1.78	-	-	61	7,583	-	1	99	13,237	-	275	12,962
1987	6,283	1,039	1.69	-	1.69	-	-	-	6,528	-	-	100	10,612	-	-	10,612
1988	6,411	1,028	1.81	-	1.81	-	-	-	6,593	-	-	100	11,579	-	-	11,579
1989	9,075	1,034	1.86	-	1.86	-	-	42	9,381	-	*	100	17,036	-	193	16,843
Georgia Power Co																
1985	397	1,026	4.51	4.22	4.24	93.1	616,527	2,957	408	99	*	*	1,177,942	1,159,982	16,276	1,685
1986	5,106	1,024	1.63	3.78	1.77	6.1	641,662	2,075	5,230	99	*	1	1,177,928	1,163,644	5,272	9,013
1987	308	1,024	-	3.54	3.54	100.0	621,408	1,517	316	100	*	*	1,121,259	1,114,643	5,524	1,093
1988	147	1,027	-	3.50	3.50	100.0	589,376	1,805	151	100	*	*	1,036,516	1,030,689	5,311	515
1989	222	1,027	-	3.25	3.25	100.0	591,165	1,234	228	100	*	*	1,040,197	1,034,072	5,402	723
Glendale City of																
1985	1,243	1,082	4.58	-	4.58	-	-	-	1,345	-	-	100	5,699	-	-	5,699
1986	1,639	1,060	2.65	-	2.65	-	-	364	1,737	-	17	83	5,289	-	944	4,346
1987	2,205	1,043	2.56	-	2.56	-	-	-	2,300	-	-	100	5,638	-	-	5,638
1988	1,962	1,044	2.65	-	2.65	-	-	-	2,047	-	-	100	5,198	-	-	5,198
1989	2,606	1,049	2.46	-	2.46	-	-	-	2,733	-	-	100	6,420	-	-	6,420
Grand Haven City of																
1985	-	-	-	-	-	-	3,952	-	-	100	-	-	7,014	7,014	-	-
1986	-	-	-	-	-	-	2,323	-	-	100	-	-	3,804	3,804	-	-
1987	-	-	-	-	-	-	4,007	-	-	100	-	-	6,286	6,286	-	-
1988	-	-	-	-	-	-	3,486	-	-	100	-	-	5,579	5,579	-	-
1989	-	-	-	-	-	-	4,144	-	-	100	-	-	6,303	6,303	-	-
Grand Island City of																
1985	1	941	3.20	-	3.20	-	3,500	-	1	100	-	*	6,344	6,340	-	5
1986	10	940	3.27	-	3.27	-	3,378	7	10	100	*	*	6,244	6,184	26	34
1987	38	940	3.18	-	3.18	-	3,635	4	36	99	*	1	6,622	6,487	15	121
1988	51	940	3.15	-	3.15	-	4,173	7	48	99	*	1	3,516	3,330	25	160
1989	52	940	2.26	-	2.26	-	5,133	-	49	99	-	1	3,588	3,470	-	118
Grand River Dam Authority																
1985	51	1,027	3.64	-	3.64	-	37,551	232	52	99	1	*	54,075	52,576	1,314	185
1986	30	1,025	5.76	-	5.76	-	43,398	260	31	99	1	*	60,755	59,718	866	171
1987	22	1,020	7.27	-	7.27	-	36,404	196	22	99	1	*	52,893	51,968	765	160
1988	14	1,017	4.49	-	4.49	-	47,650	214	14	100	*	*	49,440	48,647	730	63
1989	55	1,012	2.33	-	2.33	-	65,684	156	56	100	*	*	64,200	63,412	659	129
Greenville City of																
1985	434	1,040	3.37	-	3.37	-	-	-	451	-	-	100	1,463	-	-	1,463
1986	895	1,078	1.80	-	1.80	-	-	-	965	-	-	100	1,608	-	-	1,608
1987	1,625	1,072	1.78	-	1.78	-	-	-	1,741	-	-	100	2,888	-	-	2,888
1988	1,739	1,072	2.05	-	2.05	-	-	-	1,864	-	-	100	3,557	-	-	3,557
1989	1,683	1,073	1.96	-	1.96	-	-	46	1,805	-	2	98	3,540	-	239	3,301
Gulf Power Co																
1985	517	1,000	3.78	1.06	2.00	65.4	71,598	128	517	99	*	1	163,039	161,283	723	1,034
1986	944	1,000	3.37	.97	2.71	27.7	74,293	91	944	99	*	1	151,892	149,013	326	2,554
1987	834	1,000	1.76	.74	1.61	14.8	79,356	89	834	99	*	1	134,975	133,286	348	1,341
1988	738	1,000	1.77	.52	1.38	31.3	92,185	128	738	99	*	1	149,448	147,985	444	1,018
1989	391	1,000	2.82	.73	2.17	31.2	66,599	147	391	99	*	1	120,877	119,466	565	847
Gulf States Utilities Co																
1985	145,958	1,049	2.53	3.14	3.11	95.4	36,126	68	153,181	19	*	81	535,944	81,552	355	454,037
1986	163,475	1,047	1.72	2.00	1.96	85.8	39,548	874	171,238	19	*	81	397,203	75,921	1,329	319,953
1987	157,651	1,042	1.73	1.79	1.78	84.7	37,397	726	164,321	18	*	81	355,091	71,714	2,078	281,298
1988	155,251	1,041	1.81	1.90	1.89	84.2	35,464	1,461	161,605	18	1	81	367,573	71,407	3,238	292,928
1989	162,239	1,039	1.76	1.97	1.95	86.7	34,038	1,503	168,557	17	1	83	385,810	65,943	4,174	315,694

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Hamilton City of																		
1985	108	100.0	12,537	9.2	0.7	41.13	-	41.13	-	-	-	-	-	-	-	1	137,000	26.88
1986	113	100.0	12,441	9.0	.7	37.19	-	37.19	-	-	-	-	-	-	-	1	137,000	20.12
1987	99	100.0	12,441	9.0	.6	35.19	-	35.19	-	-	-	-	-	-	-	1	137,000	23.22
1988	113	100.0	12,527	8.5	.7	34.80	-	34.80	-	-	-	-	-	-	-	1	137,000	21.40
1989	118	100.0	12,361	9.5	.7	34.65	-	34.65	-	-	-	-	-	-	-	1	137,000	22.09
Hartford Electric Light Co																		
1985	-	-	-	-	-	-	-	-	3,693	95.6	148,529	0.5	27.76	26.86	27.72	3	137,803	34.64
Hastings City of																		
1985	132	100.0	8,104	5.9	.3	29.37	-	29.37	-	-	-	-	-	-	-	-	-	-
1986	134	100.0	8,159	5.8	.4	29.40	-	29.40	-	-	-	-	-	-	-	-	-	-
1987	163	100.0	8,070	6.3	.4	28.75	-	28.75	-	-	-	-	-	-	-	-	-	-
1988	199	-	8,681	5.2	.3	-	15.66	15.66	-	-	-	-	-	-	-	-	-	-
1989	231	33.1	8,779	4.5	.2	19.29	12.97	15.06	-	-	-	-	-	-	-	-	-	-
Hawaiian Electric Co Inc																		
1985	-	-	-	-	-	-	-	-	9,162	100.0	149,188	.4	30.42	-	30.42	27	137,725	37.03
1986	-	-	-	-	-	-	-	-	9,387	94.8	149,059	.4	18.08	15.00	17.92	28	136,817	26.94
1987	-	-	-	-	-	-	-	-	10,323	99.0	149,301	.4	21.58	20.67	21.57	51	139,407	27.14
1988	-	-	-	-	-	-	-	-	9,993	100.0	149,171	.5	17.96	-	17.96	7	137,744	22.09
1989	-	-	-	-	-	-	-	-	10,292	100.0	148,723	.5	20.55	-	20.55	14	137,887	20.90
Henderson City of																		
1985	132	100.0	11,152	10.9	2.5	33.37	-	33.37	-	-	-	-	-	-	-	-	-	-
1986	121	100.0	11,243	10.3	2.4	34.02	-	34.02	-	-	-	-	-	-	-	-	-	-
Holland City of																		
1985	166	-	13,256	6.8	.9	-	48.64	48.64	-	-	-	-	-	-	-	-	-	-
1986	183	-	13,161	6.9	.9	-	46.59	46.59	-	-	-	-	-	-	-	-	-	-
1987	148	-	13,067	7.4	.8	-	41.66	41.66	-	-	-	-	-	-	-	-	-	-
1988	126	89.9	13,293	6.4	.8	42.27	42.32	42.27	-	-	-	-	-	-	-	-	-	-
1989	163	100.0	13,270	6.3	.8	44.85	-	44.85	-	-	-	-	-	-	-	-	-	-
Holyoke Water Power Co																		
1985	340	-	13,170	7.8	1.3	-	54.80	54.80	-	-	-	-	-	-	-	4	137,769	34.75
1986	374	-	13,085	7.5	1.3	-	50.66	50.66	-	-	-	-	-	-	-	4	137,731	17.98
1987	392	-	13,250	7.5	1.4	-	45.86	45.86	-	-	-	-	-	-	-	3	138,106	23.06
1988	415	-	13,194	7.3	1.3	-	45.58	45.58	-	-	-	-	-	-	-	2	138,208	20.17
1989	418	-	13,049	6.6	1.3	-	44.99	44.99	-	-	-	-	-	-	-	2	138,058	23.42
Hoosier Energy R E C Inc																		
1985	2,726	85.4	10,877	10.7	3.1	36.35	22.23	34.28	-	-	-	-	-	-	-	31	137,115	32.30
1986	2,357	90.4	10,893	9.8	3.2	36.65	21.51	35.19	-	-	-	-	-	-	-	28	138,253	19.59
1987	2,611	74.1	10,942	10.4	3.4	36.47	19.03	31.95	-	-	-	-	-	-	-	15	135,682	22.99
1988	2,371	64.7	11,058	11.3	3.4	28.54	18.76	25.09	-	-	-	-	-	-	-	19	136,331	21.01
1989	3,228	57.5	10,984	11.5	3.4	28.74	17.62	24.01	-	-	-	-	-	-	-	20	137,129	23.33
Houston Lighting & Power Co																		
1985	10,151	100.0	8,385	5.7	.4	41.15	-	41.15	[2] 81	-	140,838	.5	-	29.85	29.85	51	137,505	32.38
1986	12,845	100.0	7,868	9.4	.7	36.45	-	36.45	165	-	149,163	.1	-	9.74	9.74	-	-	-
1987	15,901	100.0	7,521	11.4	.7	32.06	-	32.06	-	-	-	-	-	-	-	-	-	-
1988	15,470	84.6	7,480	11.7	.7	30.68	30.07	30.59	[2] 0	-	144,524	.0	-	18.30	18.30	1	139,762	24.66
1989	17,434	68.8	7,470	11.4	.7	29.31	30.56	29.70	[2] 267	-	145,028	.4	-	19.48	19.48	93	139,049	23.00
Illinois Power Co																		
1985	6,945	88.8	10,942	10.1	2.5	32.87	35.63	33.18	69	100.0	149,914	.9	27.71	-	27.71	37	138,000	34.63
1986	[1] 7,670	87.2	11,106	10.0	2.4	32.30	31.70	32.22	125	100.0	150,000	.9	12.28	-	12.28	59	138,000	20.70
1987	7,611	83.8	11,159	9.8	2.4	32.10	32.07	32.09	97	100.0	150,381	.7	19.64	-	19.64	50	138,000	23.78
1988	6,321	94.4	11,148	9.7	2.4	32.79	35.39	32.94	125	100.0	154,150	.9	16.92	-	16.92	40	138,000	21.85
1989	6,239	94.7	11,169	9.6	2.5	32.64	35.16	32.78	194	-	151,613	.9	-	19.59	19.59	52	138,000	25.29

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Hamilton City of																
1985	34	1,000	-	4.78	4.78	100.0	2,702	3	34	99	*	1	4,608	4,432	14	161
1986	20	1,000	-	4.41	4.41	100.0	2,805	4	20	99	*	1	4,296	4,192	14	89
1987	283	1,000	-	2.10	2.10	100.0	2,457	4	283	90	*	10	4,086	3,475	16	595
1988	189	1,000	-	2.78	2.78	100.0	2,821	5	189	94	*	6	4,463	3,918	19	525
1989	378	1,000	-	2.65	2.65	100.0	2,929	5	378	88	*	11	5,129	4,106	20	1,004
Hartford Electric Light Co																
1985	-	-	-	-	-	-	-	23,058	-	-	100	-	102,472	-	102,472	-
Hastings City of																
1985	-	-	-	-	-	-	2,139	-	-	100	-	-	3,877	3,877	-	-
1986	-	-	-	-	-	-	2,192	-	-	100	-	-	3,948	3,948	-	-
1987	-	-	-	-	-	-	2,636	-	-	100	-	-	4,695	4,695	-	-
1988	-	-	-	-	-	-	3,451	-	-	100	-	-	3,114	3,114	-	-
1989	-	-	-	-	-	-	4,052	-	-	100	-	-	3,477	3,477	-	-
Hawaiian Electric Co Inc																
1985	-	-	-	-	-	-	-	57,565	-	-	100	-	279,721	-	279,721	-
1986	-	-	-	-	-	-	-	58,931	-	-	100	-	168,957	-	168,957	-
1987	-	-	-	-	-	-	-	65,031	-	-	100	-	224,100	-	224,100	-
1988	-	-	-	-	-	-	-	62,646	-	-	100	-	179,626	-	179,626	-
1989	-	-	-	-	-	-	-	64,367	-	-	100	-	211,804	-	211,804	-
Henderson City of																
1985	-	-	-	-	-	-	2,944	-	-	100	-	-	4,405	4,405	-	-
1986	-	-	-	-	-	-	2,721	-	-	100	-	-	4,117	4,117	-	-
Holland City of																
1985	-	-	-	-	-	-	4,391	-	-	100	-	-	8,057	8,057	-	-
1986	-	-	-	-	-	-	4,828	-	-	100	-	-	8,546	8,546	-	-
1987	-	-	-	-	-	-	3,875	-	-	100	-	-	6,177	6,177	-	-
1988	-	-	-	-	-	-	3,340	-	-	100	-	-	5,311	5,311	-	-
1989	-	-	-	-	-	-	4,321	-	-	100	-	-	7,303	7,303	-	-
Holyoke Water Power Co																
1985	-	-	-	-	-	-	8,958	22	-	100	*	-	18,770	18,638	132	-
1986	-	-	-	-	-	-	9,780	23	-	100	*	-	19,000	18,930	70	-
1987	-	-	-	-	-	-	10,391	20	-	100	*	-	18,061	17,983	78	-
1988	-	-	-	-	-	-	10,954	14	-	100	*	-	18,967	18,918	48	-
1989	-	-	-	-	-	-	10,902	14	-	100	*	-	18,848	18,792	56	-
Hoosier Energy R E C Inc																
1985	-	-	-	-	-	-	59,304	177	-	100	*	-	94,443	93,453	990	-
1986	-	-	-	-	-	-	51,358	163	-	100	*	-	83,515	82,965	550	-
1987	-	-	-	-	-	-	57,143	87	-	100	*	-	83,781	83,430	351	-
1988	-	-	-	-	-	-	52,427	112	-	100	*	-	59,878	59,468	409	-
1989	-	-	-	-	-	-	70,914	115	-	100	*	-	77,979	77,515	464	-
Houston Lighting & Power Co																
1985	312,748	1,037	2.65	3.07	3.03	91.3	170,232	772	324,458	34	*	65	1,369,237	417,720	4,060	947,458
1986	243,180	1,037	1.70	1.87	1.83	79.2	202,135	1,036	252,065	44	*	55	915,805	468,144	1,611	446,050
1987	248,259	1,036	1.59	1.75	1.72	78.5	239,190	-	257,247	48	-	52	935,862	509,734	-	426,128
1988	231,479	1,033	1.81	1.82	1.82	83.0	231,425	8	239,182	49	*	51	894,001	473,221	35	420,745
1989	222,016	1,033	1.82	1.84	1.84	83.5	260,464	2,165	229,450	53	*	47	932,633	517,766	7,327	407,541
Illinois Power Co																
1985	352	1,037	4.53	3.75	4.41	14.9	151,976	648	365	99	*	*	235,177	230,436	3,191	1,550
1986	417	1,040	3.36	2.84	3.29	13.1	170,363	1,127	434	99	1	*	251,249	247,124	2,751	1,374
1987	517	1,030	2.58	2.55	2.58	12.8	169,876	904	533	99	1	*	248,708	244,272	3,101	1,334
1988	779	1,019	2.79	2.78	2.79	11.1	140,947	1,042	794	99	1	1	213,398	208,232	2,995	2,171
1989	949	1,018	2.47	2.67	2.49	13.8	139,367	1,534	966	98	1	1	211,953	204,484	5,104	2,365

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Imperial Irrigation District																		
1985	-	-	-	-	-	-	-	-	18	-	149,500	1.2	-	26.09	26.09	-	-	-
1986	-	-	-	-	-	-	-	-	115	-	149,500	1.2	-	15.32	15.32	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	223	-	149,500	1.2	-	18.11	18.11	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Independence City of																		
1985	211	-	12,007	11.6	2.7	-	38.69	38.69	-	-	-	-	-	-	-	6	137,674	38.48
1986	145	-	12,119	11.0	3.6	-	39.13	39.13	-	-	-	-	-	-	-	2	137,674	34.72
1987	163	55.9	11,964	12.1	3.4	39.33	39.15	39.25	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	17	100.0	12,356	11.3	3.5	39.51	-	39.51	-	-	-	-	-	-	-	3	137,380	39.25
Indiana Michigan Power Co																		
1985	5,568	61.1	9,247	7.5	1.5	42.60	28.09	36.95	-	-	-	-	-	-	-	138	137,695	32.42
1986	6,373	94.6	9,437	6.8	1.3	35.76	24.90	35.18	-	-	-	-	-	-	-	100	137,951	21.62
1987	5,437	94.9	9,511	7.0	1.3	29.76	21.75	29.35	-	-	-	-	-	-	-	80	137,446	23.69
1988	5,290	98.4	9,527	6.8	1.2	31.25	49.86	31.55	-	-	-	-	-	-	-	146	137,110	20.60
1989	7,918	82.5	9,389	6.6	1.0	28.61	21.25	27.32	-	-	-	-	-	-	-	200	136,774	23.98
Indiana-Kentucky Electric Corp																		
1985	4,352	72.8	11,262	10.6	3.3	28.03	25.33	27.30	-	-	-	-	-	-	-	3	137,621	36.13
1986	3,887	75.9	11,374	10.2	3.3	28.01	22.98	26.80	-	-	-	-	-	-	-	2	137,621	24.48
1987	4,812	59.1	11,539	10.3	3.3	25.75	22.81	24.55	-	-	-	-	-	-	-	3	137,621	25.91
1988	3,932	74.6	11,544	10.7	3.3	26.19	22.55	25.27	-	-	-	-	-	-	-	3	137,621	24.19
1989	3,833	71.0	11,521	11.0	3.4	24.41	20.33	23.22	-	-	-	-	-	-	-	4	137,621	27.99
Indianapolis Power & Light Co																		
1985	4,703	100.0	11,096	8.5	2.1	30.62	-	30.62	-	-	-	-	-	-	-	77	135,827	34.84
1986	5,633	96.1	11,200	8.1	2.5	28.82	25.36	28.69	-	-	-	-	-	-	-	40	136,793	24.26
1987	5,908	90.0	11,257	7.8	2.0	27.74	21.84	27.15	-	-	-	-	-	-	-	-	-	-
1988	5,281	92.3	11,181	8.1	2.1	24.76	19.77	24.38	-	-	-	-	-	-	-	-	-	-
1989	5,425	91.4	11,194	8.0	2.2	24.70	18.50	24.16	-	-	-	-	-	-	-	-	-	-
Interstate Power Co																		
1985	1,415	94.5	9,958	7.4	1.8	36.09	41.52	36.39	-	-	-	-	-	-	-	8	140,000	33.69
1986	1,400	89.3	9,796	7.3	1.7	37.41	28.60	36.46	-	-	-	-	-	-	-	10	140,000	23.46
1987	1,566	87.7	9,668	7.2	1.6	35.81	25.66	34.56	-	-	-	-	-	-	-	6	140,000	24.37
1988	1,380	75.5	9,494	6.8	1.3	36.66	24.65	33.73	-	-	-	-	-	-	-	6	140,000	20.68
1989	1,456	67.6	9,745	7.1	1.6	37.70	23.57	33.13	-	-	-	-	-	-	-	8	140,000	24.75
Iowa Electric Light & Power Co																		
1985	656	83.4	10,993	8.5	2.4	33.04	30.16	32.56	-	-	-	-	-	-	-	8	138,875	32.29
1986	704	97.7	11,308	8.1	2.2	32.01	28.99	31.94	-	-	-	-	-	-	-	14	138,536	19.68
1987	840	97.4	11,357	7.8	2.2	30.04	26.94	29.95	-	-	-	-	-	-	-	15	138,533	24.01
1988	795	81.8	11,519	8.1	2.2	31.92	32.00	31.94	-	-	-	-	-	-	-	17	138,500	23.86
1989	487	15.4	11,030	9.3	2.4	31.97	32.53	32.44	-	-	-	-	-	-	-	12	138,500	27.62
Iowa Power & Light Co																		
1985	2,328	90.2	8,376	5.1	.4	19.78	20.82	19.88	-	-	-	-	-	-	-	5	136,000	33.68
1986	2,171	95.6	8,444	5.6	.3	19.25	13.52	18.99	-	-	-	-	-	-	-	-	-	-
1987	2,671	79.2	8,334	5.1	.4	18.09	11.48	16.71	-	-	-	-	-	-	-	-	-	-
1988	2,831	76.9	8,424	4.8	.3	18.76	10.77	16.91	-	-	-	-	-	-	-	30	136,000	20.63
1989	2,124	95.8	8,343	4.6	.3	18.47	13.11	18.24	-	-	-	-	-	-	-	5	136,000	25.83
Iowa Public Service Co																		
1985	3,643	87.6	8,950	6.7	.5	26.96	22.47	26.40	-	-	-	-	-	-	-	16	138,000	34.53
1986	1,982	100.0	9,449	6.5	.5	27.75	-	27.75	-	-	-	-	-	-	-	22	138,000	19.23
1987	3,007	100.0	9,346	6.4	.5	22.34	-	22.34	-	-	-	-	-	-	-	30	138,000	22.84
1988	2,968	100.0	9,502	6.3	.5	22.98	50.00	22.98	-	-	-	-	-	-	-	10	138,171	19.77
1989	4,021	62.9	8,635	5.8	.4	19.64	15.63	18.15	-	-	-	-	-	-	-	22	138,000	25.10

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 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Imperial Irrigation District																
1985	3,913	1,039	4.11	-	4.11	-	-	111	4,064	-	3	97	16,539	-	462	16,077
1986	3,885	1,029	2.43	-	2.43	-	-	725	3,997	-	15	85	11,211	-	1,770	9,441
1987	4,677	1,028	2.72	-	2.72	-	-	-	4,810	-	-	100	12,702	-	-	12,702
1988	4,774	1,025	3.05	-	3.05	-	-	1,401	4,894	-	22	78	18,620	-	4,041	14,578
1989	4,907	1,030	3.08	-	3.08	-	-	-	5,053	-	-	100	15,130	-	-	15,130
Independence City of																
1985	202	986	2.99	-	2.99	-	5,077	32	199	96	1	4	8,998	8,178	216	604
1986	116	964	2.53	-	2.53	-	3,519	13	112	97	*	3	6,052	5,680	76	295
1987	160	973	3.08	-	3.08	-	3,898	-	155	96	-	4	6,887	6,395	-	492
1988	25	980	2.95	-	2.95	-	-	-	24	-	-	100	74	-	-	74
1989	29	991	2.36	-	2.36	-	432	20	29	90	4	6	897	691	137	69
Indiana Michigan Power Co																
1985	-	-	-	-	-	-	102,975	797	-	99	1	-	210,213	205,742	4,471	-
1986	-	-	-	-	-	-	120,288	582	-	100	*	-	226,359	224,189	2,171	-
1987	-	-	-	-	-	-	103,423	462	-	100	*	-	161,474	159,577	1,897	-
1988	-	-	-	-	-	-	100,799	840	-	99	1	-	169,895	166,891	3,004	-
1989	-	-	-	-	-	-	148,680	1,148	-	99	1	-	221,119	216,327	4,792	-
Indiana-Kentucky Electric Corp																
1985	-	-	-	-	-	-	98,022	15	-	100	*	-	118,893	118,801	93	-
1986	-	-	-	-	-	-	88,423	11	-	100	*	-	104,215	104,168	46	-
1987	-	-	-	-	-	-	111,052	15	-	100	*	-	118,201	118,134	67	-
1988	-	-	-	-	-	-	90,780	20	-	100	*	-	99,442	99,358	84	-
1989	-	-	-	-	-	-	88,316	21	-	100	*	-	89,120	89,019	101	-
Indianapolis Power & Light Co																
1985	-	-	-	-	-	-	104,372	440	-	100	*	-	146,706	144,020	2,686	-
1986	-	-	-	-	-	-	126,183	232	-	100	*	-	162,579	161,598	981	-
1987	-	-	-	-	-	-	133,008	-	-	100	-	-	160,385	160,385	-	-
1988	-	-	-	-	-	-	118,089	-	-	100	-	-	128,735	128,735	-	-
1989	-	-	-	-	-	-	121,464	-	-	100	-	-	131,089	131,089	-	-
Interstate Power Co																
1985	505	1,001	3.51	-	3.51	-	28,176	49	506	98	*	2	53,542	51,489	280	1,773
1986	780	1,001	2.63	-	2.63	-	27,427	59	780	97	*	3	53,333	51,046	237	2,050
1987	909	1,000	1.99	-	1.99	-	30,289	35	910	97	*	3	56,098	54,140	144	1,814
1988	2,641	1,005	1.87	-	1.87	-	26,213	34	2,654	91	*	9	51,618	46,560	120	4,938
1989	759	1,005	2.14	-	2.14	-	28,371	48	763	97	*	3	50,047	48,224	200	1,623
Iowa Electric Light & Power Co																
1985	138	1,000	3.71	-	3.71	-	14,423	47	138	99	*	1	22,131	21,360	258	512
1986	212	1,000	3.37	-	3.37	-	15,921	81	212	98	1	1	23,476	22,486	275	715
1987	441	1,000	2.57	-	2.57	-	19,080	87	441	97	*	2	26,653	25,161	360	1,132
1988	448	1,000	2.58	-	2.58	-	18,315	99	448	97	1	2	26,952	25,389	406	1,157
1989	954	1,000	2.49	-	2.49	-	10,743	70	954	91	1	8	18,505	15,801	331	2,372
Iowa Power & Light Co																
1985	142	1,000	3.95	-	3.95	-	39,004	29	142	100	*	*	47,033	46,299	172	562
1986	92	1,003	3.36	-	3.36	-	36,660	-	92	100	-	*	41,540	41,232	-	308
1987	128	996	2.36	-	2.36	-	44,518	-	128	100	-	*	44,931	44,629	-	302
1988	41	995	3.44	-	3.44	-	47,691	173	41	100	*	*	48,648	47,881	625	141
1989	70	999	3.06	-	3.06	-	35,440	31	70	100	*	*	39,103	38,750	139	213
Iowa Public Service Co																
1985	168	1,000	3.82	-	3.82	-	65,202	93	168	100	*	*	97,367	96,175	551	640
1986	71	1,000	2.82	3.61	2.86	5.2	37,453	128	71	99	*	*	55,626	54,997	424	204
1987	1,276	1,000	1.61	-	1.61	-	56,212	176	1,276	97	*	2	69,928	67,183	692	2,054
1988	1,329	1,000	1.62	-	1.62	-	56,401	60	1,329	98	*	2	70,563	68,209	204	2,151
1989	357	1,000	2.32	-	2.32	-	69,446	129	357	99	*	1	74,370	72,981	560	829

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Iowa Southern Utilities Co																		
1985	2,334	84.0	8,765	6.5	0.8	23.48	25.68	23.83	-	-	-	-	-	-	-	5	137,881	35.41
1986	2,311	97.5	8,613	6.3	.7	20.38	22.77	20.44	-	-	-	-	-	-	-	8	137,881	22.51
1987	2,651	94.9	8,741	6.3	.7	18.97	21.01	19.07	-	-	-	-	-	-	-	7	137,881	24.28
1988	[1] 2,684	87.1	8,800	6.1	.7	18.99	20.90	19.23	-	-	-	-	-	-	-	7	137,881	22.58
1989	2,822	77.0	8,846	6.1	.8	20.57	17.49	19.86	-	-	-	-	-	-	-	4	137,881	27.33
Iowa-Illinois Gas&Electric Co																		
1985	1,145	100.0	8,540	6.2	.6	26.54	-	26.54	-	-	-	-	-	-	-	-	-	-
1986	2,123	67.6	8,706	6.2	.7	22.74	15.34	20.35	-	-	-	-	-	-	-	-	-	-
1987	2,310	98.5	8,600	5.8	.5	19.38	13.37	19.29	-	-	-	-	-	-	-	-	-	-
1988	2,501	99.6	8,792	5.5	.5	19.64	31.88	19.69	-	-	-	-	-	-	-	-	-	-
1989	2,594	68.2	8,640	5.5	.5	21.55	15.68	19.68	-	-	-	-	-	-	-	-	-	-
Jacksonville Electric Auth																		
1985	-	-	-	-	-	-	-	-	3,243	100.0	151,674	1.4	23.66	-	23.66	-	-	-
1986	204	100.0	11,728	12.8	3.8	33.45	-	33.45	6,833	100.0	151,512	1.4	13.24	-	13.24	-	-	-
1987	1,766	64.5	12,405	10.5	1.5	42.06	35.06	39.58	2,719	100.0	151,594	1.5	18.67	-	18.67	39	139,164	21.71
1988	2,869	80.0	12,297	9.8	.9	41.30	35.84	40.21	4,288	46.1	151,710	1.7	12.82	13.20	13.03	68	139,000	20.50
1989	2,949	72.7	12,332	9.7	1.2	44.13	39.52	42.87	2,395	63.6	150,642	1.7	15.81	14.18	15.22	29	138,939	23.03
Jamestown City of																		
1985	101	-	12,643	10.2	1.4	-	36.74	36.74	-	-	-	-	-	-	-	-	-	-
1986	122	-	12,741	9.5	1.5	-	35.69	35.69	-	-	-	-	-	-	-	-	-	-
1987	116	-	12,767	10.0	1.5	-	33.48	33.48	-	-	-	-	-	-	-	-	-	-
1988	137	-	12,764	11.1	1.6	-	33.03	33.03	-	-	-	-	-	-	-	-	-	-
1989	103	-	12,737	10.9	1.5	-	33.49	33.49	-	-	-	-	-	-	-	-	-	-
Jersey Central Power&Light Co																		
1985	-	-	-	-	-	-	-	-	395	100.0	147,464	.4	27.12	-	27.12	1	136,890	34.40
1986	-	-	-	-	-	-	-	-	1,163	100.0	147,505	.4	15.62	-	15.62	1	135,193	20.21
1987	-	-	-	-	-	-	-	-	463	100.0	148,525	.5	19.58	-	19.58	1	137,469	23.77
1988	-	-	-	-	-	-	-	-	1,416	71.0	149,459	.5	16.37	14.29	15.77	1	137,799	21.14
1989	-	-	-	-	-	-	-	-	1,101	68.1	149,673	.5	19.33	15.83	18.22	84	140,976	23.53
Kansas City City of																		
1985	1,491	100.0	9,248	7.5	1.1	33.70	-	33.70	-	-	-	-	-	-	-	5	138,000	31.30
1986	1,239	86.3	9,116	5.8	.8	23.19	32.76	24.51	-	-	-	-	-	-	-	9	138,000	17.83
1987	1,338	98.4	9,222	7.3	1.0	26.75	34.12	26.87	-	-	-	-	-	-	-	16	138,000	22.55
1988	1,493	93.4	9,671	7.4	1.2	27.14	22.99	26.87	-	-	-	-	-	-	-	13	138,000	19.89
1989	1,315	85.0	9,120	6.5	.7	21.88	25.76	22.46	-	-	-	-	-	-	-	9	138,000	23.36
Kansas City Power & Light Co																		
1985	7,480	81.7	9,119	10.8	1.8	23.06	23.00	23.05	-	-	-	-	-	-	-	126	138,853	32.03
1986	7,260	88.1	8,897	10.9	1.7	19.39	18.24	19.25	-	-	-	-	-	-	-	124	138,772	19.49
1987	8,589	76.5	8,944	9.5	1.5	17.84	18.31	17.95	-	-	-	-	-	-	-	83	138,289	22.46
1988	8,148	67.5	8,934	6.2	.7	17.04	18.57	17.54	-	-	-	-	-	-	-	90	138,740	20.04
1989	7,965	69.2	8,932	6.4	.8	17.35	18.79	17.79	-	-	-	-	-	-	-	75	138,626	24.95
Kansas Gas & Electric Co																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	45	-	148,497	1.5	-	17.05	17.05	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas Power & Light Co																		
1985	8,684	100.0	8,565	5.2	.4	23.22	-	23.22	-	-	-	-	-	-	-	-	-	-
1986	8,522	100.0	8,571	5.2	.4	23.15	-	23.15	-	-	-	-	-	-	-	-	-	-
1987	8,848	100.0	8,635	5.0	.4	22.72	-	22.72	-	-	-	-	-	-	-	-	-	-
1988	9,044	100.0	8,814	5.2	.4	22.61	-	22.61	-	-	-	-	-	-	-	-	-	-
1989	9,072	100.0	8,752	5.1	.4	22.82	-	22.82	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Iowa Southern Utilities Co																
1985	-	-	-	-	-	-	40,915	32	-	100	*	-	55,825	55,630	195	-
1986	-	-	-	-	-	-	39,814	47	-	100	*	-	47,432	47,249	182	-
1987	-	-	-	-	-	-	46,341	43	-	100	*	-	50,733	50,551	182	-
1988	-	-	-	-	-	-	47,235	42	-	100	*	-	51,778	51,615	163	-
1989	-	-	-	-	-	-	49,932	24	-	100	*	-	56,168	56,054	115	-
Iowa-Illinois Gas&Electric Co																
1985	1,483	1,030	3.55	4.14	3.76	36.1	19,552	-	1,528	93	-	7	35,965	30,385	-	5,580
1986	1,089	1,026	3.39	4.01	3.61	34.8	36,967	-	1,117	97	-	3	47,130	43,200	-	3,930
1987	908	1,026	2.87	3.23	3.01	38.5	39,732	-	932	98	-	2	47,294	44,560	-	2,733
1988	576	1,021	2.70	3.18	2.98	59.5	43,980	-	588	99	-	1	50,967	49,248	-	1,719
1989	435	1,024	2.98	3.48	3.31	65.5	44,824	-	445	99	-	1	52,498	51,059	-	1,440
Jacksonville Electric Auth																
1985	4,553	1,044	3.95	-	3.95	-	-	20,659	4,753	-	81	19	94,737	-	76,744	17,993
1986	1,697	1,040	2.65	2.26	2.56	22.0	4,785	43,482	1,765	10	87	4	101,637	6,824	90,462	4,351
1987	4,115	1,041	3.01	2.77	2.86	61.0	43,825	17,540	4,284	67	27	7	133,314	69,907	51,623	11,784
1988	817	1,042	2.35	2.54	2.38	13.0	70,554	27,724	851	71	28	1	174,539	115,336	57,260	1,942
1989	6,191	1,044	2.68	-	2.68	-	72,727	15,326	6,465	77	16	7	180,117	126,410	37,126	16,580
Jamestown City of																
1985	-	-	-	-	-	-	2,543	-	-	100	-	-	3,694	3,694	-	-
1986	-	-	-	-	-	-	3,115	-	-	100	-	-	4,363	4,363	-	-
1987	-	-	-	-	-	-	2,956	-	-	100	-	-	3,877	3,877	-	-
1988	-	-	-	-	-	-	3,504	-	-	100	-	-	4,534	4,534	-	-
1989	-	-	-	-	-	-	2,630	-	-	100	-	-	3,458	3,458	-	-
Jersey Central Power&Light Co																
1985	11,724	1,033	3.84	-	3.84	-	-	2,456	12,112	-	17	83	55,760	-	10,767	44,993
1986	4,590	1,035	2.55	-	2.55	-	-	7,213	4,751	-	60	40	29,883	-	18,190	11,693
1987	10,598	1,031	2.58	-	2.58	-	-	2,898	10,928	-	21	79	36,456	-	9,103	27,354
1988	5,938	1,028	2.33	-	2.33	-	-	8,894	6,107	-	59	41	36,172	-	22,342	13,830
1989	5,561	1,028	2.84	-	2.84	-	-	7,421	5,717	-	56	44	37,837	-	22,041	15,796
Kansas City City of																
1985	353	982	3.28	-	3.28	-	27,571	28	347	99	*	1	51,536	50,226	151	1,158
1986	388	970	2.89	-	2.89	-	22,583	49	377	98	*	2	31,628	30,353	152	1,123
1987	218	996	3.33	-	3.33	-	24,679	93	217	99	*	1	37,041	35,955	362	725
1988	193	985	3.13	-	3.13	-	28,871	73	190	99	*	1	40,958	40,103	252	604
1989	1,367	1,009	2.61	-	2.61	-	23,978	53	1,379	94	*	5	33,316	29,528	214	3,573
Kansas City Power & Light Co																
1985	274	963	3.21	-	3.21	-	136,421	734	264	99	1	*	177,345	172,437	4,030	879
1986	217	952	2.82	-	2.82	-	129,177	723	207	99	1	*	142,802	139,772	2,417	612
1987	124	986	2.60	-	2.60	-	153,654	480	122	100	*	*	156,367	154,188	1,857	322
1988	122	978	2.54	-	2.54	-	145,590	525	119	100	*	*	145,020	142,906	1,805	309
1989	136	1,013	2.33	-	2.33	-	142,287	439	138	100	*	*	143,920	141,723	1,881	316
Kansas Gas & Electric Co																
1985	11,860	965	2.76	-	2.76	-	-	-	11,441	-	-	100	32,788	-	-	32,788
1986	7,183	967	2.38	-	2.38	-	-	-	6,949	-	-	100	17,109	-	-	17,109
1987	5,772	988	2.10	-	2.10	-	-	-	5,703	-	-	100	12,135	-	-	12,135
1988	7,927	992	2.00	-	2.00	-	-	281	7,861	-	3	97	16,654	-	767	15,886
1989	9,494	957	1.82	-	1.82	-	-	-	9,090	-	-	100	17,321	-	-	17,321
Kansas Power & Light Co																
1985	1,218	1,003	2.80	-	2.80	-	148,751	-	1,222	99	-	1	205,030	201,620	-	3,410
1986	1,180	992	2.43	-	2.43	-	146,094	-	1,171	99	-	1	200,158	197,287	-	2,871
1987	1,899	1,005	2.11	-	2.11	-	152,806	-	1,908	99	-	1	205,040	201,034	-	4,006
1988	1,942	1,000	2.16	-	2.16	-	159,430	-	1,942	99	-	1	208,723	204,528	-	4,195
1989	1,386	1,019	1.94	-	1.94	-	158,786	-	1,412	99	-	1	209,683	206,991	-	2,692

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Kentucky Power Co																		
1985	2,296	66.4	11,681	12.8	1.2	38.32	30.57	35.72	-	-	-	-	-	-	-	34	138,650	35.11
1986	2,038	87.1	11,911	12.7	1.2	39.10	26.07	37.42	-	-	-	-	-	-	-	35	138,914	24.54
1987	2,266	65.1	11,994	12.8	1.2	37.35	25.16	33.10	-	-	-	-	-	-	-	36	139,497	23.56
1988	1,771	65.4	12,032	12.2	1.2	34.51	24.19	30.94	-	-	-	-	-	-	-	34	139,180	21.99
1989	2,636	61.4	11,906	12.0	1.2	31.09	23.47	28.14	-	-	-	-	-	-	-	33	138,531	27.85
Kentucky Utilities Co																		
1985	4,493	45.8	12,029	9.4	2.0	45.70	31.70	38.11	-	-	-	-	-	-	-	44	140,000	33.72
1986	4,875	43.9	12,134	9.7	1.8	47.12	28.47	36.66	-	-	-	-	-	-	-	56	140,000	19.99
1987	6,005	41.5	12,147	9.5	1.7	44.01	26.39	33.70	-	-	-	-	-	-	-	48	140,000	23.89
1988	5,885	25.8	12,050	9.6	1.5	45.61	26.15	31.16	-	-	-	-	-	-	-	55	140,000	22.64
1989	5,104	24.4	12,002	9.6	1.8	39.65	24.30	28.05	-	-	-	-	-	-	-	42	140,000	29.00
Lafayette City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake Worth City of																		
1985	-	-	-	-	-	-	-	-	1	-	148,100	2.2	-	27.68	27.68	2	138,000	30.72
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	138,000	23.04
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	138,000	22.76
1988	-	-	-	-	-	-	-	-	1	-	148,100	2.0	-	20.22	20.22	2	139,004	21.94
1989	-	-	-	-	-	-	-	-	5	-	148,100	2.0	-	22.81	22.81	-	-	-
Lakeland City of																		
1985	894	100.0	12,029	11.8	1.5	51.20	-	51.20	78	68.4	148,906	1.2	28.27	26.68	27.77	22	138,216	33.92
1986	261	100.0	12,236	10.6	1.5	52.33	-	52.33	745	-	149,604	1.6	-	13.91	13.91	24	138,847	19.97
1987	733	100.0	12,257	10.6	1.6	49.02	-	49.02	237	26.2	149,809	1.8	19.98	17.39	18.07	47	138,640	22.98
1988	731	100.0	12,296	10.9	1.6	53.52	-	53.52	281	-	149,933	2.1	-	13.48	13.48	31	137,668	21.01
1989	724	100.0	12,299	11.0	1.3	52.06	-	52.06	231	-	149,808	1.6	-	19.05	19.05	33	138,759	27.30
Lansing City of																		
1985	815	81.5	13,022	6.9	.8	58.12	48.23	56.29	-	-	-	-	-	-	-	11	138,000	34.10
1986	1,089	60.4	12,961	7.3	.8	56.75	44.15	51.76	-	-	-	-	-	-	-	10	138,000	24.28
1987	1,262	52.1	13,053	7.1	.8	55.95	43.36	49.92	-	-	-	-	-	-	-	10	138,000	22.46
1988	929	63.1	13,015	7.1	.8	55.71	44.63	51.63	-	-	-	-	-	-	-	14	138,000	25.96
1989	1,166	58.8	13,025	7.7	.9	50.10	44.93	47.97	-	-	-	-	-	-	-	13	138,703	25.75
Long Island Lighting Co																		
1985	-	-	-	-	-	-	-	-	15,162	97.6	150,955	2.1	24.80	25.23	24.81	-	-	-
1986	-	-	-	-	-	-	-	-	14,912	91.1	150,756	1.7	14.87	13.14	14.72	-	-	-
1987	-	-	-	-	-	-	-	-	18,054	91.0	151,188	1.4	18.53	18.00	18.48	-	-	-
1988	-	-	-	-	-	-	-	-	19,097	78.1	151,404	.8	15.71	14.86	15.53	-	-	-
1989	-	-	-	-	-	-	-	-	18,126	66.7	150,987	.8	18.73	17.22	18.23	-	-	-
Los Angeles City of																		
1985	-	-	-	-	-	-	-	-	613	-	145,513	.2	-	25.00	25.00	-	-	-
1986	1,427	87.1	11,747	8.9	.5	31.74	24.46	30.80	795	86.5	146,734	.2	12.45	12.52	12.46	-	-	-
1987	4,598	82.9	11,859	8.7	.6	33.11	20.38	30.94	502	100.0	145,401	.2	15.93	-	15.93	-	-	-
1988	4,373	86.2	11,777	8.7	.6	34.96	20.19	32.92	1,509	100.0	145,972	.2	16.82	-	16.82	-	-	-
1989	4,660	81.7	11,799	8.1	.5	35.95	26.97	34.31	2,336	100.0	145,990	.2	20.41	-	20.41	-	-	-
Louisiana Power & Light Co																		
1985	-	-	-	-	-	-	-	-	40	100.0	150,612	.9	22.28	-	22.28	64	144,516	36.62
1986	-	-	-	-	-	-	-	-	375	100.0	150,487	1.0	9.14	-	9.14	3	144,834	27.16
1987	-	-	-	-	-	-	-	-	21	100.0	151,104	1.0	17.22	-	17.22	7	144,918	19.67
1988	-	-	-	-	-	-	-	-	213	100.0	151,272	1.0	21.62	-	21.62	83	142,834	34.56
1989	-	-	-	-	-	-	-	-	173	100.0	150,640	1.0	19.07	-	19.07	180	144,543	32.96

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Kentucky Power Co																
1985	-	-	-	-	-	-	53,633	200	-	100	*	-	83,206	81,998	1,208	-
1986	-	-	-	-	-	-	48,547	205	-	100	*	-	77,114	76,251	864	-
1987	-	-	-	-	-	-	54,352	213	-	100	*	-	75,854	74,997	858	-
1988	-	-	-	-	-	-	42,628	196	-	100	*	-	55,543	54,805	739	-
1989	-	-	-	-	-	-	62,775	194	-	100	*	-	75,124	74,194	930	-
Kentucky Utilities Co																
1985	-	-	-	-	-	-	108,092	259	-	100	*	-	172,728	171,242	1,485	-
1986	-	-	-	-	-	-	118,317	326	-	100	*	-	179,843	178,733	1,110	-
1987	-	-	-	-	-	-	145,893	284	-	100	*	-	203,551	202,395	1,156	-
1988	-	-	-	-	-	-	141,819	323	-	100	*	-	184,627	183,383	1,244	-
1989	-	-	-	-	-	-	122,516	246	-	100	*	-	144,366	143,153	1,213	-
Lafayette City of																
1985	3,574	1,040	3.10	-	3.10	-	-	-	3,717	-	-	100	11,092	-	-	11,092
1986	7,797	1,042	2.00	2.28	2.28	98.9	-	-	8,127	-	-	100	17,791	-	-	17,791
1987	5,790	1,043	1.77	1.88	1.86	86.0	-	-	6,037	-	-	100	10,782	-	-	10,782
1988	4,426	1,042	1.79	1.84	1.81	54.0	-	-	4,612	-	-	100	8,024	-	-	8,024
1989	5,852	1,047	1.84	1.88	1.87	66.4	-	-	6,128	-	-	100	10,925	-	-	10,925
Lake Worth City of																
1985	916	1,028	3.22	-	3.22	-	-	16	942	-	2	98	3,026	-	80	2,946
1986	830	1,022	2.29	-	2.29	-	-	113	848	-	12	88	2,349	-	450	1,900
1987	825	1,024	2.71	-	2.71	-	-	48	845	-	5	95	2,422	-	189	2,233
1988	589	1,036	2.26	-	2.26	-	-	18	610	-	3	97	1,396	-	65	1,330
1989	889	1,026	2.47	-	2.47	-	-	29	913	-	3	97	2,303	-	105	2,198
Lakeland City of																
1985	3,633	1,028	3.23	-	3.23	-	21,518	617	3,735	83	2	14	60,444	45,794	2,919	11,731
1986	4,283	1,019	2.28	-	2.28	-	6,397	4,823	4,365	41	31	28	34,294	13,678	10,845	9,771
1987	3,578	1,025	2.85	2.84	2.85	1.5	17,978	1,764	3,666	77	8	16	51,489	35,949	5,360	10,180
1988	3,286	1,024	2.47	-	2.47	-	17,981	1,947	3,364	77	8	14	51,695	39,136	4,432	8,127
1989	2,391	1,025	2.74	-	2.74	-	17,808	1,641	2,449	81	7	11	49,539	37,693	5,286	6,560
Lansing City of																
1985	-	-	-	-	-	-	21,223	62	-	100	*	-	46,241	45,875	366	-
1986	-	-	-	-	-	-	28,230	56	-	100	*	-	56,606	56,370	236	-
1987	-	-	-	-	-	-	32,944	61	-	100	*	-	63,229	62,995	235	-
1988	-	-	-	-	-	-	24,185	80	-	100	*	-	48,325	47,968	357	-
1989	-	-	-	-	-	-	30,372	78	-	100	*	-	56,274	55,931	343	-
Long Island Lighting Co																
1985	26,533	1,038	3.88	-	3.88	-	-	96,129	27,547	-	78	22	479,066	-	376,170	102,897
1986	23,623	1,037	2.15	-	2.15	-	-	94,419	24,501	-	79	21	270,217	-	219,453	50,764
1987	26,843	1,029	2.31	2.44	2.31	.8	-	114,641	27,620	-	81	19	395,834	-	333,696	62,139
1988	25,141	1,030	2.20	2.73	2.21	2.7	-	121,438	25,891	-	82	18	352,118	-	296,507	55,611
1989	22,858	1,030	2.32	-	2.32	-	-	114,945	23,547	-	83	17	383,404	-	330,442	52,962
Los Angeles City of																
1985	59,252	1,055	4.31	-	4.31	-	-	3,746	62,503	-	6	94	270,550	-	15,326	255,224
1986	46,820	1,051	2.65	-	2.65	-	33,539	4,899	49,199	38	6	56	177,799	43,967	9,908	123,925
1987	56,026	1,045	2.60	-	2.60	-	109,066	3,066	58,536	64	2	34	295,906	142,273	7,998	145,635
1988	49,939	1,044	2.93	-	2.93	-	102,996	9,252	52,118	63	6	32	315,926	143,975	25,390	146,561
1989	49,521	1,047	2.62	-	2.62	-	109,970	14,323	51,826	62	8	29	337,540	159,864	47,684	129,992
Louisiana Power & Light Co																
1985	144,030	1,045	-	2.40	2.40	100.0	-	641	150,484	-	*	100	349,458	-	3,228	346,230
1986	131,697	1,039	-	1.66	1.66	100.0	-	2,387	136,847	-	2	98	222,226	-	3,503	218,723
1987	107,320	1,037	-	1.44	1.44	100.0	-	174	111,252	-	*	100	154,797	-	494	154,303
1988	114,610	1,044	2.62	1.40	1.41	99.4	-	1,854	119,651	-	2	98	169,197	-	7,489	161,708
1989	111,678	1,045	2.01	1.30	1.53	67.1	-	2,182	116,656	-	2	98	180,299	-	9,209	171,090

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Louisville Gas & Electric Co																		
1985	3,215	81.8	11,245	11.7	3.3	30.93	28.28	30.44	-	-	-	-	-	-	-	64	140,000	33.06
1986	3,781	79.5	11,209	11.6	3.3	31.44	25.85	30.30	-	-	-	-	-	-	-	31	140,000	16.48
1987	4,296	79.9	11,198	12.2	3.3	31.35	23.50	29.77	-	-	-	-	-	-	-	40	140,000	23.56
1988	3,529	77.9	11,353	11.2	3.3	31.43	22.61	29.48	-	-	-	-	-	-	-	46	140,000	22.71
1989	4,374	40.2	11,477	10.3	3.0	31.62	22.59	26.21	-	-	-	-	-	-	-	37	140,000	30.03
Lower Colorado River Authority																		
1985	5,065	100.0	8,832	5.3	.4	35.67	-	35.67	-	-	-	-	-	-	-	14	141,000	32.76
1986	3,186	98.6	8,849	5.8	.4	31.57	23.55	31.46	-	-	-	-	-	-	-	21	141,000	19.73
1987	4,362	96.8	8,451	5.9	.4	26.52	20.31	26.33	-	-	-	-	-	-	-	22	141,000	21.53
1988	5,593	96.1	8,589	5.3	.3	25.41	20.68	25.23	-	-	-	-	-	-	-	22	141,000	20.50
1989	5,998	96.4	8,644	5.2	.4	22.47	19.32	22.36	-	-	-	-	-	-	-	16	141,000	22.92
Lubbock City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madison Gas & Electric Co																		
1985	54	-	11,187	7.9	1.4	-	44.70	44.70	-	-	-	-	-	-	-	-	-	-
1986	36	-	11,211	7.9	1.4	-	39.58	39.58	-	-	-	-	-	-	-	-	-	-
1987	93	-	11,409	8.2	1.6	-	37.29	37.29	-	-	-	-	-	-	-	-	-	-
1988	150	57.3	12,164	7.7	2.1	38.77	41.16	39.79	-	-	-	-	-	-	-	-	-	-
1989	122	90.2	12,176	7.6	2.0	38.90	48.81	39.88	-	-	-	-	-	-	-	-	-	-
Manitowoc City of																		
1985	82	-	12,298	9.3	1.0	-	46.38	46.38	-	-	-	-	-	-	-	-	-	-
1986	93	3.6	13,146	7.2	.9	56.09	48.66	48.93	-	-	-	-	-	-	-	-	-	-
1987	113	-	13,221	6.6	.8	-	43.36	43.36	-	-	-	-	-	-	-	-	-	-
1988	102	-	13,129	7.3	.8	-	44.23	44.23	-	-	-	-	-	-	-	-	-	-
1989	114	-	13,129	7.3	.8	-	46.73	46.73	-	-	-	-	-	-	-	-	-	-
Marquette City of																		
1985	156	100.0	9,335	6.7	.6	41.66	-	41.66	-	-	-	-	-	-	-	1	138,000	32.86
1986	131	100.0	9,620	6.2	.6	41.66	-	41.66	-	-	-	-	-	-	-	1	138,000	17.64
1987	169	100.0	9,813	5.8	.6	34.96	-	34.96	-	-	-	-	-	-	-	-	-	-
1988	117	100.0	8,899	6.4	.5	33.65	-	33.65	-	-	-	-	-	-	-	-	-	-
1989	143	100.0	8,848	6.2	.5	33.51	-	33.51	-	-	-	-	-	-	-	1	138,000	27.18
Medina Electric Coop Inc																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	144,000	34.84
Metropolitan Edison Co																		
1985	899	65.8	12,932	9.0	1.8	50.15	46.29	48.83	-	-	-	-	-	-	-	53	136,691	33.73
1986	791	82.2	13,111	7.1	1.7	48.72	42.75	47.66	-	-	-	-	-	-	-	45	136,338	22.15
1987	1,224	24.4	12,987	7.9	1.8	45.55	40.65	41.84	-	-	-	-	-	-	-	47	136,978	24.05
1988	1,092	30.5	13,038	7.7	1.8	45.81	40.98	42.45	-	-	-	-	-	-	-	51	136,610	21.30
1989	1,086	48.2	13,209	7.6	1.6	46.22	42.35	44.21	-	-	-	-	-	-	-	55	136,330	25.07
Michigan South Central Pwr Agy																		
1985	120	100.0	12,013	10.0	3.0	47.45	-	47.45	-	-	-	-	-	-	-	-	-	-
1986	92	100.0	11,763	10.6	3.4	45.35	-	45.35	-	-	-	-	-	-	-	5	140,000	20.99
1987	161	100.0	11,886	11.1	3.1	46.34	-	46.34	-	-	-	-	-	-	-	-	-	-
1988	111	100.0	11,797	10.3	3.2	48.04	-	48.04	-	-	-	-	-	-	-	6	140,000	23.20
1989	130	100.0	11,825	9.9	3.2	47.17	-	47.17	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Louisville Gas & Electric Co																
1985	1,052	1,025	3.61	-	3.61	-	72,305	374	1,079	98	1	1	103,781	97,882	2,102	3,796
1986	365	1,025	2.93	-	2.93	-	84,763	183	374	99	*	*	116,134	114,553	514	1,067
1987	274	1,025	2.75	-	2.75	-	96,208	233	281	99	*	*	129,579	127,890	935	754
1988	373	1,025	2.47	-	2.47	-	80,130	272	382	99	*	*	105,996	104,024	1,052	921
1989	275	1,025	2.66	-	2.66	-	100,390	217	281	100	*	*	116,480	114,641	1,108	731
Lower Colorado River Authority																
1985	26,374	1,036	3.28	2.86	2.87	98.3	89,464	83	27,319	77	*	23	256,733	180,653	459	75,621
1986	33,643	1,029	2.10	1.77	1.77	98.7	56,385	124	34,615	62	*	38	160,216	100,217	414	59,584
1987	27,887	1,040	-	1.66	1.66	100.0	73,728	130	28,989	72	*	28	161,468	114,837	474	46,158
1988	21,202	1,033	-	1.79	1.79	100.0	96,075	130	21,893	81	*	19	179,417	141,105	451	37,861
1989	18,714	1,037	2.86	1.87	1.88	99.7	103,690	95	19,411	84	*	16	169,577	134,115	367	35,095
Lubbock City of																
1985	6,367	1,040	3.45	-	3.45	-	-	-	6,620	-	-	100	21,977	-	-	21,977
1986	6,277	1,039	2.96	-	2.96	-	-	-	6,524	-	-	100	18,547	-	-	18,547
1987	6,718	1,047	2.59	-	2.59	-	-	-	7,033	-	-	100	17,372	-	-	17,372
1988	6,737	1,042	2.36	-	2.36	-	-	-	7,018	-	-	100	15,867	-	-	15,867
1989	6,663	1,041	2.45	-	2.45	-	-	-	6,933	-	-	100	16,292	-	-	16,292
Madison Gas & Electric Co																
1985	783	999	4.10	-	4.10	-	1,208	-	783	61	-	39	5,624	2,414	-	3,211
1986	949	1,003	3.76	-	3.76	-	807	-	952	46	-	54	4,991	1,425	-	3,566
1987	519	991	4.06	-	4.06	-	2,122	-	514	80	-	20	5,575	3,468	-	2,108
1988	571	999	3.10	-	3.10	-	3,649	-	571	86	-	14	7,737	5,969	-	1,768
1989	419	1,004	3.39	-	3.39	-	2,971	-	421	88	-	12	6,287	4,865	-	1,422
Manitowoc City of																
1985	-	-	-	-	-	-	2,029	-	-	100	-	-	3,826	3,826	-	-
1986	-	-	-	-	-	-	2,457	-	-	100	-	-	4,572	4,572	-	-
1987	-	-	-	-	-	-	2,984	-	-	100	-	-	4,893	4,893	-	-
1988	-	-	-	-	-	-	2,676	-	-	100	-	-	4,508	4,508	-	-
1989	-	-	-	-	-	-	3,000	-	-	100	-	-	5,339	5,339	-	-
Marquette City of																
1985	-	-	-	-	-	-	2,916	7	-	100	*	-	6,546	6,507	39	-
1986	-	-	-	-	-	-	2,528	7	-	100	*	-	5,496	5,474	21	-
1987	-	-	-	-	-	-	3,326	-	-	100	-	-	5,925	5,925	-	-
1988	-	-	-	-	-	-	2,088	-	-	100	-	-	3,947	3,947	-	-
1989	-	-	-	-	-	-	2,534	7	-	100	*	-	4,832	4,799	33	-
Medina Electric Coop Inc																
1985	1,041	1,062	-	3.47	3.47	100.0	-	-	1,105	-	-	100	3,611	-	-	3,611
1986	214	1,059	-	2.55	2.55	100.0	-	-	227	-	-	100	547	-	-	547
1987	279	1,070	-	2.24	2.24	100.0	-	-	299	-	-	100	625	-	-	625
1988	235	1,094	-	2.46	2.46	100.0	-	-	257	-	-	100	579	-	-	579
1989	122	1,115	-	2.48	2.48	100.0	-	2	136	-	2	98	316	-	14	302
Metropolitan Edison Co																
1985	-	-	-	-	-	-	23,246	306	-	99	1	-	45,685	43,888	1,798	-
1986	-	-	-	-	-	-	20,736	258	-	99	1	-	38,684	37,688	997	-
1987	-	-	-	-	-	-	31,806	271	-	99	1	-	52,369	51,236	1,133	-
1988	-	-	-	-	-	-	28,486	291	-	99	1	-	47,457	46,375	1,082	-
1989	-	-	-	-	-	-	28,703	318	-	99	1	-	49,430	48,039	1,391	-
Michigan South Central Pwr Agy																
1985	-	-	-	-	-	-	2,892	-	-	100	-	-	5,711	5,711	-	-
1986	-	-	-	-	-	-	2,156	32	-	99	1	-	4,270	4,155	115	-
1987	-	-	-	-	-	-	3,824	-	-	100	-	-	7,454	7,454	-	-
1988	-	-	-	-	-	-	2,615	35	-	99	1	-	5,462	5,324	138	-
1989	-	-	-	-	-	-	3,074	-	-	100	-	-	6,131	6,131	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Minnesota Power & Light Co																		
1985	[1] 3,524	95.0	8,644	8.8	0.9	23.22	26.62	23.39	-	-	-	-	-	-	-	18	137,971	34.69
1986	[1] 2,766	93.8	8,666	8.3	.8	24.66	26.58	24.78	-	-	-	-	-	-	-	17	137,169	22.57
1987	3,224	98.6	8,636	8.8	.8	24.21	19.21	24.14	-	-	-	-	-	-	-	23	137,000	25.75
1988	3,819	87.4	8,593	8.9	.8	23.32	18.91	22.77	-	-	-	-	-	-	-	14	137,000	21.39
1989	3,950	83.0	8,684	9.1	.7	24.45	18.94	23.51	-	-	-	-	-	-	-	18	137,000	25.50
Minnkota Power Coop Inc																		
1985	3,378	100.0	6,814	7.3	.7	7.94	-	7.94	-	-	-	-	-	-	-	14	140,000	36.06
1986	3,310	100.0	6,750	7.5	.8	7.54	-	7.54	-	-	-	-	-	-	-	9	140,000	21.40
1987	3,627	100.0	6,717	7.5	.7	7.31	-	7.31	-	-	-	-	-	-	-	9	140,000	25.48
1988	3,863	100.0	6,707	7.5	.7	6.52	-	6.52	-	-	-	-	-	-	-	7	140,000	23.30
1989	3,767	100.0	6,746	7.4	.7	6.56	-	6.56	-	-	-	-	-	-	-	9	140,000	25.29
Mississippi Power & Light Co																		
1985	-	-	-	-	-	-	-	-	89	100.0	150,980	2.2	25.78	-	25.78	20	136,882	35.50
1986	-	-	-	-	-	-	-	-	1,743	100.0	150,178	3.1	13.02	-	13.02	16	136,890	30.03
1987	-	-	-	-	-	-	-	-	149	100.0	149,817	3.1	12.96	-	12.96	11	137,814	21.34
1988	-	-	-	-	-	-	-	-	966	41.9	150,934	2.9	17.71	22.53	20.51	38	138,055	35.04
1989	-	-	-	-	-	-	-	-	1,209	99.2	151,311	2.9	15.69	24.86	15.76	59	139,912	32.51
Mississippi Power Co																		
1985	3,087	75.5	12,058	9.5	1.5	68.74	46.06	63.18	33	-	150,000	2.5	-	27.88	27.88	37	138,000	33.72
1986	3,377	58.1	12,153	8.1	1.7	65.04	45.13	56.70	114	-	151,006	3.2	-	12.40	12.40	40	137,612	24.98
1987	3,635	30.1	12,698	7.6	1.4	42.90	50.47	48.19	1	-	149,577	3.1	-	21.18	21.18	18	139,077	21.63
1988	4,121	62.3	12,685	7.5	1.5	48.68	39.11	45.08	58	-	150,029	3.0	-	14.41	14.41	15	138,420	20.03
1989	2,723	75.5	12,714	7.5	1.7	42.52	33.67	40.35	-	-	-	-	-	-	-	29	137,593	31.33
Missouri Public Service Comm																		
1985	538	100.0	10,850	10.9	3.2	39.10	-	39.10	-	-	-	-	-	-	-	-	-	-
1986	790	100.0	10,952	10.6	3.2	39.21	-	39.21	-	-	-	-	-	-	-	-	-	-
1987	671	76.1	10,958	10.4	3.1	37.38	28.92	35.36	-	-	-	-	-	-	-	-	-	-
1988	835	62.3	10,979	10.3	3.1	38.23	28.83	34.69	-	-	-	-	-	-	-	-	-	-
1989	796	58.9	10,958	10.2	3.1	38.02	28.99	34.31	-	-	-	-	-	-	-	-	-	-
Monongahela Power Co																		
1985	10,164	91.1	12,686	10.3	2.5	37.03	26.45	36.08	-	-	-	-	-	-	-	79	141,000	36.75
1986	10,735	84.5	12,732	10.0	2.4	36.12	25.80	34.52	-	-	-	-	-	-	-	92	141,000	25.07
1987	12,820	77.6	12,643	10.5	2.4	35.38	23.37	32.69	-	-	-	-	-	-	-	94	141,000	25.71
1988	10,495	81.8	12,737	10.1	2.5	34.55	25.38	32.88	-	-	-	-	-	-	-	102	141,000	23.22
1989	11,725	75.0	12,668	10.1	2.6	34.29	26.51	32.35	-	-	-	-	-	-	-	112	141,000	26.88
Montana Power Co																		
1985	5,292	100.0	8,717	9.6	.7	12.05	-	12.05	-	-	-	-	-	-	-	86	141,000	36.16
1986	7,308	100.0	8,598	9.8	.6	11.40	-	11.40	-	-	-	-	-	-	-	43	141,000	25.37
1987	7,376	100.0	8,649	8.8	.6	11.00	-	11.00	-	-	-	-	-	-	-	24	141,000	24.32
1988	10,306	100.0	8,552	9.5	.7	9.19	-	9.19	-	-	-	-	-	-	-	37	141,000	23.88
1989	9,989	100.0	8,555	9.5	.7	9.72	-	9.72	-	-	-	-	-	-	-	41	141,000	25.52
Montana-Dakota Utilities Co																		
1985	2,564	80.9	6,804	8.5	.8	12.80	12.92	12.82	-	-	-	-	-	-	-	17	136,552	32.95
1986	2,311	100.0	6,868	8.0	.9	12.37	-	12.37	-	-	-	-	-	-	-	16	136,552	21.40
1987	2,451	100.0	6,878	8.2	.9	12.27	-	12.27	-	-	-	-	-	-	-	16	136,552	23.41
1988	2,394	100.0	6,895	8.3	.9	11.72	-	11.72	-	-	-	-	-	-	-	16	136,552	20.97
1989	2,637	100.0	6,831	8.5	.9	11.03	-	11.03	-	-	-	-	-	-	-	22	136,552	25.06
Montaup Electric Co																		
1985	501	100.0	13,364	7.1	1.2	53.86	-	53.86	-	-	-	-	-	-	-	54	138,830	33.67
1986	389	100.0	13,298	6.7	1.1	50.26	-	50.26	105	-	150,809	.9	-	13.02	13.02	57	138,435	20.79
1987	506	100.0	13,373	6.9	1.2	45.27	-	45.27	20	-	150,420	.8	-	19.58	19.58	53	137,963	22.82
1988	465	83.3	13,331	6.9	1.2	45.82	44.93	45.67	82	-	150,767	.9	-	15.20	15.20	52	138,080	21.48
1989	524	100.0	13,170	7.1	1.1	45.67	-	45.67	91	-	151,676	1.0	-	17.13	17.13	49	139,168	24.45

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Minnesota Power & Light Co																
1985	-	-	-	-	-	-	60,929	102	-	100	*	-	83,030	82,420	611	-
1986	-	-	-	-	-	-	47,943	99	-	100	*	-	68,934	68,546	388	-
1987	-	-	-	-	-	-	55,679	131	-	100	*	-	78,400	77,816	585	-
1988	-	-	-	-	-	-	65,630	82	-	100	*	-	87,247	86,942	305	-
1989	-	-	-	-	-	-	68,604	102	-	100	*	-	93,328	92,876	453	-
Minnkota Power Coop Inc																
1985	-	-	-	-	-	-	46,033	85	-	100	*	-	27,335	26,816	520	-
1986	-	-	-	-	-	-	44,684	52	-	100	*	-	25,153	24,962	191	-
1987	-	-	-	-	-	-	48,729	53	-	100	*	-	26,756	26,527	229	-
1988	-	-	-	-	-	-	51,825	42	-	100	*	-	25,371	25,203	168	-
1989	-	-	-	-	-	-	50,826	52	-	100	*	-	24,931	24,708	223	-
Mississippi Power & Light Co																
1985	47,792	1,038	-	2.86	2.86	100.0	-	680	49,628	-	1	99	139,852	-	3,001	136,851
1986	36,970	1,037	-	2.43	2.43	100.0	-	11,088	38,337	-	22	78	113,155	-	23,176	89,979
1987	26,963	1,027	1.69	2.13	1.96	61.9	-	997	27,689	-	3	97	54,971	-	2,157	52,814
1988	21,206	1,027	1.85	1.92	1.92	96.3	-	6,344	21,788	-	23	77	61,867	-	21,136	40,731
1989	18,761	1,028	1.94	1.99	1.96	42.5	-	8,030	19,292	-	29	71	57,757	-	20,972	36,785
Mississippi Power Co																
1985	968	1,056	-	4.00	4.00	100.0	74,448	422	1,022	98	1	1	201,068	195,031	2,166	3,872
1986	3,059	1,048	4.23	2.42	2.46	97.5	82,094	950	3,206	95	1	4	201,432	191,501	2,401	7,531
1987	4,135	1,032	-	1.77	1.77	100.0	92,305	113	4,268	95	*	4	182,892	175,148	418	7,327
1988	2,960	1,036	2.16	1.86	1.86	98.7	104,536	453	3,066	97	*	3	192,399	185,743	1,136	5,520
1989	11,239	1,026	1.77	3.63	1.77	.1	69,245	167	11,526	86	*	14	130,662	109,882	907	19,873
Missouri Public Service Comm																
1985	-	-	-	-	-	-	11,679	-	-	100	-	-	21,044	21,044	-	-
1986	-	-	-	-	-	-	17,304	-	-	100	-	-	30,978	30,978	-	-
1987	-	-	-	-	-	-	14,710	-	-	100	-	-	23,733	23,733	-	-
1988	-	-	-	-	-	-	18,346	-	-	100	-	-	28,983	28,983	-	-
1989	-	-	-	-	-	-	17,447	-	-	100	-	-	27,313	27,313	-	-
Monongahela Power Co																
1985	141	1,000	4.77	-	4.77	-	257,865	467	141	100	*	*	370,268	366,692	2,901	675
1986	157	1,000	4.03	-	4.03	-	273,366	547	157	100	*	*	373,495	370,547	2,314	634
1987	88	1,000	3.94	-	3.94	-	324,171	556	88	100	*	*	421,897	419,140	2,412	345
1988	86	1,000	3.89	-	3.89	-	267,355	605	86	100	*	*	347,787	345,080	2,374	334
1989	129	1,000	4.59	-	4.59	-	297,049	661	129	100	*	*	382,826	379,236	2,998	592
Montana Power Co																
1985	440	1,206	-	.64	.64	100.0	92,257	509	531	99	1	1	67,183	63,789	3,110	283
1986	399	1,204	-	.96	.96	100.0	125,665	255	481	99	*	*	84,775	83,303	1,091	381
1987	471	1,207	-	1.06	1.06	100.0	127,590	142	568	99	*	*	82,191	81,107	584	501
1988	276	1,210	-	1.47	1.47	100.0	176,271	219	334	100	*	*	95,997	94,708	884	406
1989	326	1,214	-	1.34	1.34	100.0	170,903	243	396	100	*	*	98,614	97,130	1,046	438
Montana-Dakota Utilities Co																
1985	7	1,050	5.33	-	5.33	-	34,896	99	7	100	*	*	33,472	32,870	567	35
1986	8	1,040	4.81	-	4.81	-	31,748	95	8	100	*	*	28,982	28,593	353	37
1987	9	1,079	4.77	-	4.77	-	33,708	91	10	100	*	*	30,494	30,076	373	45
1988	6	1,132	4.58	-	4.58	-	33,021	93	7	100	*	*	28,422	28,051	342	28
1989	4	1,127	4.24	-	4.24	-	36,026	127	5	100	*	*	29,657	29,083	556	18
Montaup Electric Co																
1985	-	-	-	-	-	-	13,391	315	-	98	2	-	28,800	26,981	1,818	-
1986	-	-	-	-	-	-	10,354	997	-	91	9	-	22,123	19,567	2,556	-
1987	-	-	-	-	-	-	13,528	435	-	97	3	-	24,505	22,897	1,608	-
1988	-	-	-	-	-	-	12,393	821	-	94	6	-	23,590	21,226	2,364	-
1989	-	-	-	-	-	-	13,816	869	-	94	6	-	26,718	23,952	2,766	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Muscatine City of																		
1985	488	-	11,383	5.8	2.9	-	43.10	43.10	-	-	-	-	-	-	-	60	138,500	34.73
1986	484	-	11,280	6.2	3.1	-	43.10	43.10	-	-	-	-	-	-	-	2	138,500	32.50
1987	486	40.0	11,313	6.2	3.1	43.61	47.10	45.70	-	-	-	-	-	-	-	4	138,500	25.78
1988	487	100.0	11,325	6.2	2.9	44.23	-	44.23	-	-	-	-	-	-	-	4	138,500	22.87
1989	536	100.0	11,166	6.7	3.0	42.95	-	42.95	-	-	-	-	-	-	-	4	138,500	26.43
Narragansett Electric Co																		
1985	-	-	-	-	-	-	-	-	554	32.3	150,908	1.0	26.57	25.08	25.56	-	-	-
1986	-	-	-	-	-	-	-	-	1,442	-	151,048	.9	-	15.04	15.04	-	-	-
Nebraska Public Power District																		
1985	3,482	76.6	8,865	5.1	.3	18.86	14.51	17.84	-	-	-	-	-	-	-	2	138,140	34.15
1986	3,053	99.9	8,955	4.9	.4	18.13	40.59	18.15	-	-	-	-	-	-	-	3	138,140	22.75
1987	2,912	97.2	8,892	5.0	.4	18.41	19.99	18.45	-	-	-	-	-	-	-	3	138,140	23.08
1988	3,611	100.0	8,813	5.1	.4	17.14	-	17.14	-	-	-	-	-	-	-	2	138,140	20.61
1989	4,176	100.0	8,816	5.2	.4	15.91	-	15.91	-	-	-	-	-	-	-	2	138,140	26.06
Nevada Power Co																		
1985	2,019	100.0	11,921	8.9	.5	46.90	-	46.90	-	-	-	-	-	-	-	9	136,365	34.37
1986	1,787	100.0	11,853	9.1	.5	48.25	-	48.25	9	-	147,588	.8	-	11.64	11.64	12	134,823	22.71
1987	1,498	100.0	11,911	8.8	.5	48.24	-	48.24	37	-	147,600	.8	-	11.61	11.61	5	134,800	27.14
1988	1,443	100.0	11,826	9.2	.6	47.40	-	47.40	131	-	148,049	.9	-	12.56	12.56	17	137,376	18.76
1989	1,503	100.0	11,868	9.4	.6	45.96	-	45.96	187	-	149,006	.9	-	16.91	16.91	25	138,604	30.83
New England Power Co																		
1985	3,004	72.9	13,279	7.6	1.1	53.02	48.70	51.85	6,795	52.9	151,154	1.8	23.42	23.50	23.46	-	-	-
1986	3,185	92.9	13,224	7.8	1.2	46.62	40.35	46.17	8,488	68.9	151,147	2.0	13.25	13.20	13.23	-	-	-
1987	2,991	69.4	13,071	8.3	1.2	42.09	39.92	41.42	7,344	75.7	152,862	1.7	16.25	16.42	16.29	158	151,228	18.56
1988	3,405	91.3	13,068	8.5	1.2	41.34	41.83	41.38	8,426	55.6	150,523	1.8	16.50	14.86	15.77	-	-	-
1989	3,445	82.8	12,979	8.4	1.2	40.45	41.78	40.68	8,366	72.2	150,600	1.9	18.30	17.27	18.02	-	-	-
New Orleans Public Service Inc																		
1985	-	-	-	-	-	-	-	-	10	-	150,612	1.5	-	21.97	21.97	2	138,021	33.40
1986	-	-	-	-	-	-	-	-	*	-	152,300	1.5	-	8.64	8.64	*	137,612	19.96
1987	-	-	-	-	-	-	-	-	*	-	152,300	1.5	-	19.40	19.40	*	137,613	21.36
1988	-	-	-	-	-	-	-	-	4	-	152,300	1.5	-	22.39	22.39	*	137,612	33.61
1989	-	-	-	-	-	-	-	-	26	-	152,300	1.5	-	17.74	17.74	-	-	-
New York State Elec & Gas Corp																		
1985	3,802	67.4	12,298	12.7	2.0	41.87	38.18	40.67	-	-	-	-	-	-	-	48	137,000	35.98
1986	3,185	72.0	12,404	12.0	2.0	41.55	36.97	40.27	-	-	-	-	-	-	-	43	137,000	22.28
1987	3,967	63.7	12,489	11.8	2.0	39.52	35.30	37.99	-	-	-	-	-	-	-	58	137,000	25.34
1988	[1] 3,438	51.7	12,472	12.1	2.1	40.00	35.39	37.78	-	-	-	-	-	-	-	47	137,000	23.30
1989	[1] 4,019	51.5	12,446	11.5	1.9	39.32	35.46	37.45	-	-	-	-	-	-	-	40	137,000	26.30
Niagara Mohawk Power Corp																		
1985	2,798	51.8	12,883	9.1	1.8	50.64	41.69	46.32	3,164	100.0	148,165	1.2	30.89	-	30.89	-	-	-
1986	2,440	56.2	13,054	8.2	1.7	47.58	38.38	43.55	7,804	51.1	149,774	1.6	16.97	12.41	14.74	-	-	-
1987	2,897	43.0	13,015	7.8	1.8	41.15	36.06	38.25	5,738	62.2	150,164	1.2	21.66	18.66	20.53	-	-	-
1988	3,000	48.7	13,023	7.9	1.8	41.04	35.90	38.41	10,790	63.2	150,023	1.1	15.49	14.60	15.16	-	-	-
1989	3,467	66.9	13,089	7.1	1.8	38.78	37.29	38.29	9,732	63.9	150,277	1.1	17.73	18.98	18.18	-	-	-
Northern Indiana Pub Serv Co																		
1985	3,729	90.5	11,056	9.2	2.0	55.46	37.38	53.75	-	-	-	-	-	-	-	48	138,747	37.99
1986	[1] 3,663	73.1	11,163	9.7	2.7	44.71	40.19	43.49	-	-	-	-	-	-	-	20	138,676	34.08
1987	[1] 5,119	50.7	11,492	8.8	2.4	44.30	34.23	39.34	-	-	-	-	-	-	-	25	138,676	23.51
1988	[1] 5,880	58.4	10,998	7.9	2.0	41.50	29.79	36.63	-	-	-	-	-	-	-	-	-	-
1989	[1] 6,476	55.6	10,802	8.2	1.8	38.72	27.38	33.69	-	-	-	-	-	-	-	-	-	-
Northern States Power Co																		
1985	[1] 7,067	96.2	8,829	9.3	.9	24.77	34.15	25.12	-	-	-	-	-	-	-	-	-	-
1986	[1] 6,294	98.0	8,861	7.2	.6	22.76	26.10	22.83	-	-	-	-	-	-	-	-	-	-
1987	[1] 9,321	100.0	8,726	6.5	.4	19.59	21.31	19.59	-	-	-	-	-	-	-	-	-	-
1988	11,432	99.5	8,767	7.1	.5	19.92	25.71	19.95	-	-	-	-	-	-	-	-	-	-
1989	11,998	99.0	8,803	6.4	.5	19.94	21.81	19.96	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Muscatine City of																
1985	48	1,000	-	3.31	3.31	100.0	11,110	352	48	97	3	*	23,291	21,032	2,101	159
1986	45	1,000	-	3.13	3.13	100.0	10,926	14	45	99	*	*	21,089	20,873	76	140
1987	17	1,000	-	2.63	2.63	100.0	11,003	22	17	100	*	*	22,363	22,223	96	44
1988	10	1,000	-	2.27	2.27	100.0	11,024	22	10	100	*	*	21,636	21,527	88	22
1989	2	1,000	-	2.97	2.97	100.0	11,970	23	2	100	*	*	23,137	23,024	106	7
Narragansett Electric Co																
1985	2,599	1,034	3.48	-	3.48	-	-	3,514	2,687	-	57	43	23,221	-	14,173	9,048
1986	-	-	-	-	-	-	-	9,150	-	-	100	-	21,691	-	21,691	-
Nebraska Public Power District																
1985	430	951	3.23	-	3.23	-	61,730	14	409	99	*	1	63,604	62,128	85	1,391
1986	432	951	3.19	-	3.19	-	54,683	16	411	99	*	1	56,869	55,426	64	1,379
1987	503	966	2.73	-	2.73	-	51,781	16	485	99	*	1	55,168	53,731	65	1,371
1988	378	951	3.18	-	3.18	-	63,646	10	360	99	*	1	63,142	61,904	36	1,202
1989	412	962	3.05	2.21	2.98	8.3	73,637	14	396	99	*	1	67,755	66,460	65	1,229
Nevada Power Co																
1985	2,693	1,070	4.29	4.61	4.33	10.7	48,135	54	2,882	94	*	6	106,676	94,695	327	11,654
1986	2,410	1,060	2.66	-	2.66	-	42,354	123	2,555	94	*	6	92,993	86,201	369	6,422
1987	2,748	1,041	2.48	-	2.48	-	35,674	259	2,860	92	1	7	79,628	72,237	568	6,822
1988	2,774	1,038	2.65	-	2.65	-	34,129	914	2,879	90	2	8	77,702	68,391	1,968	7,342
1989	3,505	1,043	3.22	-	3.22	-	35,671	1,317	3,654	88	3	9	84,271	69,068	3,936	11,267
New England Power Co																
1985	-	-	-	-	-	-	79,788	43,141	-	65	35	-	315,186	155,784	159,403	-
1986	-	-	-	-	-	-	84,248	53,885	-	61	39	-	259,415	147,076	112,339	-
1987	5,710	1,031	2.39	-	2.39	-	78,191	48,151	5,888	59	36	4	260,109	123,901	122,557	13,651
1988	166	1,032	2.15	-	2.15	-	89,009	53,266	171	62	37	*	274,154	140,930	132,867	358
1989	2,239	1,031	2.49	-	2.49	-	89,435	52,915	2,307	62	37	2	296,422	140,146	150,710	5,565
New Orleans Public Service Inc																
1985	28,551	1,041	3.03	-	3.03	-	-	76	29,725	-	*	100	86,925	-	291	86,634
1986	24,932	1,029	1.82	-	1.82	-	-	2	25,659	-	*	100	45,479	-	6	45,473
1987	31,531	1,036	1.69	-	1.69	-	-	3	32,660	-	*	100	53,220	-	11	53,209
1988	25,438	1,032	1.94	-	1.94	-	-	30	26,251	-	*	100	49,542	-	108	49,435
1989	19,336	1,028	1.93	-	1.93	-	-	167	19,876	-	1	99	37,811	-	463	37,348
New York State Elec & Gas Corp																
1985	-	-	-	-	-	-	93,518	274	-	100	*	-	156,342	154,626	1,716	-
1986	-	-	-	-	-	-	79,024	249	-	100	*	-	129,235	128,270	965	-
1987	-	-	-	-	-	-	99,089	335	-	100	*	-	152,191	150,716	1,475	-
1988	-	-	-	-	-	-	85,759	269	-	100	*	-	130,978	129,887	1,090	-
1989	-	-	-	-	-	-	100,047	231	-	100	*	-	151,566	150,509	1,057	-
Niagara Mohawk Power Corp																
1985	17,275	1,032	3.79	-	3.79	-	72,093	19,689	17,825	66	18	16	292,811	129,616	97,745	65,451
1986	3,121	1,032	3.60	-	3.60	-	63,704	49,091	3,221	55	42	3	232,511	106,269	115,011	11,231
1987	18,651	1,034	2.24	-	2.24	-	75,412	36,189	19,278	58	28	15	270,415	110,824	117,802	41,789
1988	11,701	1,031	2.23	-	2.23	-	78,144	67,987	12,060	49	43	8	304,959	115,222	163,603	26,133
1989	25,782	1,017	2.53	-	2.53	-	90,758	61,425	26,211	51	34	15	374,981	132,744	176,925	65,313
Northern Indiana Pub Serv Co																
1985	724	1,000	-	4.16	4.16	100.0	82,455	281	724	99	*	1	205,281	200,436	1,831	3,014
1986	708	1,000	-	4.75	4.75	100.0	81,781	116	708	99	*	1	163,352	159,309	678	3,365
1987	850	1,000	-	2.63	2.63	100.0	117,651	146	850	99	*	1	204,175	201,350	588	2,238
1988	2,798	1,000	-	2.47	2.47	100.0	129,346	-	2,798	98	-	2	222,333	215,420	-	6,914
1989	3,528	1,000	-	2.60	2.60	100.0	139,913	-	3,528	98	-	2	227,346	218,167	-	9,179
Northern States Power Co																
1985	317	1,004	3.69	-	3.69	-	124,794	-	318	100	-	*	178,684	177,516	-	1,168
1986	481	998	3.20	-	3.20	-	111,539	-	480	100	-	*	145,209	143,672	-	1,537
1987	1,338	999	2.26	-	2.26	-	162,674	-	1,338	99	-	1	185,599	182,572	-	3,027
1988	1,048	1,007	2.39	-	2.39	-	200,450	-	1,056	99	-	1	230,591	228,085	-	2,506
1989	783	1,006	2.39	-	2.39	-	211,240	-	788	100	-	*	241,308	239,435	-	1,873

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Ohio Edison Co																		
1985	7,319	48.4	12,126	11.3	2.1	35.81	30.29	32.96	-	-	-	-	-	-	-	42	137,647	45.91
1986	8,076	52.1	12,148	11.3	2.0	35.74	28.40	32.22	-	-	-	-	-	-	-	13	136,847	19.93
1987	7,547	53.2	12,192	11.2	2.1	34.55	27.29	31.15	-	-	-	-	-	-	-	45	136,761	24.75
1988	8,116	41.4	12,140	11.3	2.2	34.77	25.92	29.58	-	-	-	-	-	-	-	47	136,930	22.14
1989	7,976	42.9	12,085	11.4	2.2	34.76	25.84	29.67	-	-	-	-	-	-	-	52	137,201	25.01
Ohio Power Co																		
1985	13,695	95.5	11,552	12.9	3.3	42.06	38.60	41.90	-	-	-	-	-	-	-	140	137,496	34.35
1986	13,004	99.3	11,547	12.7	3.4	41.51	38.77	41.49	-	-	-	-	-	-	-	135	137,269	21.48
1987	14,096	98.5	11,542	13.1	3.4	39.14	28.07	38.97	-	-	-	-	-	-	-	139	137,657	24.30
1988	13,081	98.8	11,542	13.1	3.3	39.55	21.27	39.33	-	-	-	-	-	-	-	162	137,776	21.12
1989	13,445	91.8	11,485	13.2	3.3	42.50	25.46	41.09	-	-	-	-	-	-	-	183	137,617	25.90
Ohio Valley Electric Corp																		
1985	3,031	77.7	12,035	9.6	3.6	40.43	24.80	36.94	-	-	-	-	-	-	-	5	138,071	34.98
1986	3,142	73.7	11,985	9.7	3.6	39.73	24.51	35.73	-	-	-	-	-	-	-	6	138,071	27.21
1987	3,387	67.8	11,931	9.9	3.6	38.36	22.12	33.14	-	-	-	-	-	-	-	5	138,071	25.43
1988	2,831	80.7	11,964	10.3	3.7	35.63	21.49	32.90	-	-	-	-	-	-	-	4	138,071	26.93
1989	3,182	71.1	11,980	10.0	3.8	26.26	21.72	24.95	-	-	-	-	-	-	-	5	138,071	28.75
Oklahoma Gas & Electric Co																		
1985	6,509	86.7	8,867	4.9	.3	29.11	24.85	28.54	-	-	-	-	-	-	-	15	137,758	29.96
1986	5,806	96.2	8,980	4.9	.4	28.58	31.21	28.68	-	-	-	-	-	-	-	30	137,138	13.23
1987	6,070	92.5	9,179	5.1	.4	27.46	34.59	28.00	-	-	-	-	-	-	-	-	-	-
1988	6,168	82.7	9,205	5.1	.4	28.04	32.39	28.79	136	-	153,216	1.0	-	16.10	16.10	-	-	-
1989	6,517	87.8	9,089	5.4	.4	24.35	29.07	24.93	-	-	-	-	-	-	-	10	135,560	22.43
Omaha Public Power District																		
1985	2,421	75.8	8,266	5.5	.5	20.13	14.03	18.65	-	-	-	-	-	-	-	-	-	-
1986	2,264	76.8	8,311	4.7	.3	16.39	10.64	15.05	-	-	-	-	-	-	-	-	-	-
1987	2,908	63.7	8,290	5.0	.3	12.34	10.58	11.70	-	-	-	-	-	-	-	-	-	-
1988	3,301	88.2	8,329	4.8	.3	10.90	10.87	10.89	-	-	-	-	-	-	-	5	137,500	19.70
1989	2,640	67.1	8,329	5.1	.4	11.14	11.17	11.15	-	-	-	-	-	-	-	9	137,500	24.93
Orange & Rockland Utils Inc																		
1985	-	-	-	-	-	-	-	-	2,776	55.1	146,814	.3	30.40	28.11	29.37	-	-	-
1986	-	-	-	-	-	-	-	-	4,933	-	147,136	.3	-	16.51	16.51	-	-	-
1987	151	100.0	13,216	7.3	.5	53.87	-	53.87	4,159	-	147,280	.3	-	19.56	19.56	-	-	-
1988	416	100.0	13,037	7.4	.6	54.70	-	54.70	4,784	-	148,321	.3	-	16.61	16.61	-	-	-
1989	590	100.0	12,919	7.5	.6	55.68	-	55.68	6,012	-	148,131	.3	-	19.71	19.71	-	-	-
Orlando Utilities Comm																		
1985	-	-	-	-	-	-	-	-	210	-	153,695	1.0	-	24.06	24.06	-	-	-
1986	-	-	-	-	-	-	-	-	1,130	-	151,276	1.2	-	12.77	12.77	-	-	-
1987	538	94.5	13,396	6.3	1.0	50.74	49.72	50.68	378	-	150,085	.8	-	18.50	18.50	5	138,153	21.98
1988	953	98.0	13,235	6.4	.9	49.62	38.53	49.40	775	41.2	152,405	1.6	12.92	13.04	12.99	2	137,360	20.07
1989	1,074	100.0	12,723	8.7	.7	48.15	-	48.15	474	40.9	153,182	1.4	15.72	14.27	14.86	11	138,560	31.54
Otter Tail Power Co																		
1985	2,485	92.3	6,210	7.8	.9	15.84	14.04	15.70	-	-	-	-	-	-	-	18	140,000	34.14
1986	2,094	100.0	6,173	8.0	.9	16.09	-	16.09	-	-	-	-	-	-	-	23	140,000	21.66
1987	789	100.0	6,119	8.2	.9	15.55	-	15.55	-	-	-	-	-	-	-	16	140,000	25.80
1988	2,260	90.8	6,434	7.9	.9	15.26	20.58	15.75	-	-	-	-	-	-	-	11	140,000	23.14
1989	2,312	89.3	6,473	7.4	.8	15.24	23.11	16.08	-	-	-	-	-	-	-	13	140,000	26.21
Owensboro City of																		
1985	674	100.0	10,805	11.8	2.9	36.94	-	36.94	-	-	-	-	-	-	-	3	140,000	33.40
1986	813	100.0	10,839	11.7	2.9	33.90	-	33.90	-	-	-	-	-	-	-	4	140,000	21.09
1987	696	100.0	10,823	11.4	3.0	29.26	-	29.26	-	-	-	-	-	-	-	3	140,000	23.76
1988	538	100.0	10,768	11.7	2.8	27.84	-	27.84	-	-	-	-	-	-	-	3	140,000	23.77
1989	792	100.0	10,656	12.0	2.9	23.22	-	23.22	-	-	-	-	-	-	-	3	138,124	29.89

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Ohio Edison Co																
1985	-	-	-	-	-	-	177,499	241	-	100	*	-	243,165	241,251	1,914	-
1986	-	-	-	-	-	-	196,222	76	-	100	*	-	260,513	260,250	263	-
1987	-	-	-	-	-	-	184,031	261	-	100	*	-	236,266	235,140	1,126	-
1988	-	-	-	-	-	-	197,062	269	-	100	*	-	241,144	240,108	1,036	-
1989	-	-	-	-	-	-	192,769	299	-	100	*	-	237,922	236,624	1,298	-
Ohio Power Co																
1985	-	-	-	-	-	-	316,425	810	-	100	*	-	578,653	573,833	4,819	-
1986	-	-	-	-	-	-	300,303	778	-	100	*	-	542,478	539,581	2,897	-
1987	-	-	-	-	-	-	325,409	806	-	100	*	-	552,727	549,340	3,387	-
1988	-	-	-	-	-	-	301,949	939	-	100	*	-	517,864	514,436	3,428	-
1989	-	-	-	-	-	-	308,824	1,055	-	100	*	-	557,239	552,509	4,730	-
Ohio Valley Electric Corp																
1985	-	-	-	-	-	-	72,959	28	-	100	*	-	112,137	111,967	170	-
1986	-	-	-	-	-	-	75,314	33	-	100	*	-	112,424	112,269	155	-
1987	-	-	-	-	-	-	80,822	28	-	100	*	-	112,360	112,238	122	-
1988	-	-	-	-	-	-	67,739	24	-	100	*	-	93,242	93,130	112	-
1989	-	-	-	-	-	-	76,240	29	-	100	*	-	79,534	79,389	146	-
Oklahoma Gas & Electric Co																
1985	106,469	1,037	-	3.22	3.22	100.0	115,428	88	110,408	51	*	49	529,160	185,790	454	342,916
1986	104,344	1,037	-	2.78	2.78	100.0	104,276	172	108,204	49	*	51	456,769	166,514	396	289,860
1987	96,773	1,037	-	2.73	2.73	100.0	111,424	-	100,353	53	-	47	434,054	169,951	-	264,104
1988	91,688	1,037	-	2.85	2.85	100.0	113,564	872	95,081	54	*	45	441,358	177,599	2,182	261,578
1989	90,137	1,037	-	3.08	3.08	100.0	118,459	56	93,473	56	*	44	440,067	162,434	221	277,412
Omaha Public Power District																
1985	276	992	3.92	-	3.92	-	40,028	-	274	99	-	1	46,246	45,165	-	1,081
1986	405	1,005	3.29	-	3.29	-	37,629	-	408	99	-	1	35,407	34,074	-	1,332
1987	665	987	2.38	-	2.38	-	48,220	-	656	99	-	1	35,617	34,032	-	1,585
1988	235	989	2.62	-	2.62	-	54,998	27	232	100	*	*	36,672	35,965	93	615
1989	444	990	2.43	-	2.43	-	43,979	53	439	99	*	1	30,748	29,443	229	1,076
Orange & Rockland Utils Inc																
1985	32,107	1,033	3.36	-	3.36	-	-	17,115	33,166	-	34	66	189,465	-	81,531	107,934
1986	25,410	1,034	2.33	-	2.33	-	-	30,488	26,275	-	54	46	140,683	-	81,432	59,251
1987	25,544	1,032	2.30	-	2.30	-	3,996	25,728	26,350	7	46	47	148,317	8,145	81,357	58,816
1988	21,892	1,033	2.34	-	2.34	-	10,839	29,805	22,620	17	47	36	153,330	22,739	79,453	51,138
1989	24,666	1,032	2.61	-	2.61	-	15,245	37,402	25,444	20	48	33	215,658	32,851	118,468	64,339
Orlando Utilities Comm																
1985	12,166	1,027	3.22	-	3.22	-	-	1,353	12,497	-	10	90	44,192	-	5,044	39,148
1986	15,053	1,022	2.21	-	2.21	-	-	7,182	15,383	-	32	68	47,702	-	14,435	33,267
1987	10,322	1,023	2.84	-	2.84	-	14,417	2,416	10,559	53	9	39	63,704	27,273	7,118	29,312
1988	8,049	1,024	2.26	-	2.26	-	25,235	4,973	8,242	66	13	21	75,425	47,092	10,111	18,222
1989	12,739	1,026	2.59	-	2.59	-	27,335	3,112	13,074	63	7	30	92,159	51,722	7,382	33,056
Otter Tail Power Co																
1985	-	-	-	-	-	-	30,860	103	-	100	*	-	39,611	39,012	599	-
1986	-	-	-	-	-	-	25,851	135	-	99	1	-	34,190	33,693	497	-
1987	-	-	-	-	-	-	9,656	91	-	99	1	-	12,667	12,265	401	-
1988	-	-	-	-	-	-	29,073	62	-	100	*	-	35,833	35,588	244	-
1989	-	-	-	-	-	-	29,933	78	-	100	*	-	37,532	37,186	346	-
Owensboro City of																
1985	-	-	-	-	-	-	14,558	15	-	100	*	-	24,975	24,889	86	-
1986	-	-	-	-	-	-	17,627	21	-	100	*	-	27,642	27,566	77	-
1987	-	-	-	-	-	-	15,064	19	-	100	*	-	20,437	20,361	76	-
1988	-	-	-	-	-	-	11,580	18	-	100	*	-	15,039	14,968	72	-
1989	-	-	-	-	-	-	16,888	17	-	100	*	-	18,484	18,397	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 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Pacific Gas & Electric Co																		
1985	-	-	-	-	-	-	-	-	409	100.0	153,007	0.2	26.15	-	26.15	-	-	-
1986	-	-	-	-	-	-	-	-	553	100.0	148,394	.5	13.94	-	13.94	-	-	-
1987	-	-	-	-	-	-	-	-	1,631	-	151,598	.3	-	18.57	18.57	-	-	-
1988	-	-	-	-	-	-	-	-	5,825	-	146,761	.4	-	16.16	16.16	-	-	-
1989	-	-	-	-	-	-	-	-	4,043	-	147,047	.5	-	17.28	17.28	-	-	-
PacifiCorp																		
1985	17,200	100.0	8,617	10.8	0.6	19.07	-	19.07	-	-	-	-	-	-	-	99	139,949	34.68
1986	15,851	98.5	8,574	11.3	.6	20.06	19.33	20.05	-	-	-	-	-	-	-	97	140,155	21.27
1987	15,992	90.6	8,662	10.6	.6	19.74	11.72	18.99	-	-	-	-	-	-	-	87	140,129	23.91
1988	18,895	96.6	8,617	10.6	.6	18.13	14.92	18.02	-	-	-	-	-	-	-	101	140,107	22.76
1989	28,472	89.0	9,353	11.2	.6	19.78	14.93	19.24	-	-	-	-	-	-	-	143	140,088	25.21
Painesville City of																		
1985	64	-	12,339	7.3	2.4	-	33.56	33.56	-	-	-	-	-	-	-	-	-	-
1986	70	-	12,253	7.8	2.3	-	33.13	33.13	-	-	-	-	-	-	-	-	-	-
1987	92	-	12,420	8.1	2.3	-	32.34	32.34	-	-	-	-	-	-	-	-	-	-
1988	84	67.1	12,772	7.7	2.7	33.04	32.27	32.79	-	-	-	-	-	-	-	-	-	-
1989	61	100.0	12,741	9.8	2.8	33.89	-	33.89	-	-	-	-	-	-	-	-	-	-
Pasadena City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	18	100.0	147,140	.2	35.00	-	35.00	8	138,214	27.80
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	66	100.0	147,260	.2	15.54	-	15.54	-	-	-
1989	-	-	-	-	-	-	-	-	99	100.0	148,699	.1	22.12	-	22.12	-	-	-
Pennsylvania Electric Co																		
1985	15,100	89.4	12,101	15.6	1.8	33.36	31.56	33.17	-	-	-	-	-	-	-	269	138,800	34.02
1986	15,705	90.7	12,126	15.6	1.9	33.27	27.27	32.71	-	-	-	-	-	-	-	248	138,800	21.57
1987	16,651	80.9	12,168	15.4	1.8	33.26	27.68	32.19	-	-	-	-	-	-	-	240	138,800	23.64
1988	15,979	72.9	12,117	15.5	1.8	34.98	28.51	33.23	-	-	-	-	-	-	-	230	138,800	21.84
1989	16,307	68.7	12,146	15.2	1.8	34.19	30.15	32.93	-	-	-	-	-	-	-	228	138,800	24.61
Pennsylvania Power & Light Co																		
1985	[1] 8,944	85.0	12,292	13.7	1.6	45.84	25.50	42.78	7,547	96.2	149,361	.9	26.95	24.84	26.87	370	139,370	34.05
1986	[1] 9,193	72.9	12,331	13.7	1.7	44.73	31.28	41.08	9,087	52.3	150,009	.9	15.69	14.08	14.92	496	139,776	21.79
1987	[1] 9,607	83.0	12,240	14.5	1.7	42.70	27.16	40.06	6,934	76.8	150,657	.9	18.19	19.22	18.43	335	139,328	22.52
1988	[1] 9,244	80.1	12,277	14.4	1.8	43.09	28.24	40.14	5,727	78.5	151,395	.9	14.68	14.50	14.64	404	140,184	19.86
1989	[1] 9,634	72.2	12,223	14.5	1.8	42.85	31.58	39.72	6,227	80.7	151,602	.9	17.58	16.41	17.35	265	140,461	22.62
Pennsylvania Power Co																		
1985	6,359	57.3	12,081	11.9	3.4	51.48	27.15	41.10	-	-	-	-	-	-	-	9	136,794	35.28
1986	7,469	42.7	12,114	11.6	3.4	47.58	29.74	37.36	-	-	-	-	-	-	-	27	138,677	20.37
1987	6,766	73.6	12,109	11.5	3.5	36.29	29.43	34.48	-	-	-	-	-	-	-	145	138,249	23.62
1988	6,280	93.2	12,079	11.9	3.7	35.47	28.63	35.01	-	-	-	-	-	-	-	67	139,285	21.45
1989	6,330	91.1	12,111	11.6	3.7	36.84	29.26	36.17	-	-	-	-	-	-	-	113	137,035	23.42
Philadelphia Electric Co																		
1985	1,233	5.9	13,068	8.1	1.5	47.59	44.81	44.97	4,944	97.9	149,297	.5	27.43	28.26	27.45	-	-	-
1986	585	-	13,055	7.6	1.5	-	40.41	40.41	4,904	96.5	148,615	.5	15.77	14.71	15.74	-	-	-
1987	1,279	37.5	13,035	7.6	1.6	39.78	39.28	39.47	4,275	88.7	149,531	.5	19.70	18.39	19.55	-	-	-
1988	1,071	68.1	13,179	7.4	1.5	41.55	40.90	41.35	3,943	87.5	150,029	.5	15.74	14.55	15.59	-	-	-
1989	1,223	52.7	13,048	7.7	1.5	41.68	43.52	42.55	4,991	73.1	149,964	.5	18.15	21.89	19.16	-	-	-
Plains Elec Gen&Trans Coop Inc																		
1985	967	100.0	9,523	14.2	.7	32.30	-	32.30	-	-	-	-	-	-	-	-	-	-
1986	605	100.0	9,478	13.9	.8	31.18	-	31.18	-	-	-	-	-	-	-	-	-	-
1987	612	100.0	9,598	14.2	.7	31.46	-	31.46	-	-	-	-	-	-	-	-	-	-
1988	858	100.0	9,500	14.5	.8	25.62	-	25.62	-	-	-	-	-	-	-	-	-	-
1989	921	100.0	9,416	15.7	.7	25.85	-	25.85	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Pacific Gas & Electric Co																
1985	262,499	1,048	5.14	5.78	5.14	*	-	2,958	275,056	-	1	99	1,361,993	-	12,117	1,349,876
1986	152,531	1,039	3.35	-	3.35	-	-	3,445	158,488	-	2	98	518,527	-	7,704	510,823
1987	238,595	1,029	2.63	-	2.63	-	-	10,382	245,469	-	4	96	656,914	-	30,286	626,628
1988	262,323	1,029	2.72	-	2.72	-	-	35,905	270,029	-	12	88	806,420	-	94,122	712,298
1989	226,309	1,033	2.94	-	2.94	-	-	24,970	233,742	-	10	90	734,645	-	69,845	664,800
PacifiCorp																
1985	-	-	-	-	-	-	296,427	582	-	100	*	-	331,427	327,994	3,433	-
1986	-	-	-	-	-	-	271,812	571	-	100	*	-	319,821	317,757	2,064	-
1987	-	-	-	-	-	-	277,054	512	-	100	*	-	305,732	303,652	2,080	-
1988	-	-	-	-	-	-	325,624	594	-	100	*	-	342,865	340,566	2,299	-
1989	87	1,036	3.61	-	3.61	-	532,601	841	90	100	*	*	551,808	547,889	3,605	314
Painesville City of																
1985	17	1,000	-	4.69	4.69	100.0	1,578	-	17	99	-	1	2,227	2,146	-	81
1986	8	1,000	-	4.68	4.68	100.0	1,723	-	8	100	-	*	2,365	2,330	-	35
1987	16	1,000	4.20	4.42	4.24	19.2	2,287	-	16	99	-	1	3,046	2,977	-	68
1988	7	1,000	4.27	-	4.27	-	2,157	-	7	100	-	*	2,800	2,769	-	31
1989	8	1,000	4.48	-	4.48	-	1,553	-	8	99	-	1	2,102	2,066	-	36
Pasadena City of																
1985	3,422	1,045	4.66	-	4.66	-	-	-	3,576	-	-	100	15,948	-	-	15,948
1986	3,789	1,036	2.35	-	2.35	-	-	161	3,925	-	4	96	9,788	-	869	8,919
1987	4,135	1,033	2.39	-	2.39	-	-	-	4,273	-	-	100	9,894	-	-	9,894
1988	3,264	1,028	2.75	-	2.75	-	-	406	3,354	-	11	89	10,000	-	1,020	8,979
1989	4,524	1,031	2.88	-	2.88	-	-	616	4,666	-	12	88	15,188	-	2,182	13,005
Pennsylvania Electric Co																
1985	-	-	-	-	-	-	365,458	1,568	-	100	*	-	509,951	500,800	9,151	-
1986	-	-	-	-	-	-	380,874	1,446	-	100	*	-	519,099	513,750	5,349	-
1987	-	-	-	-	-	-	405,230	1,399	-	100	*	-	541,721	536,048	5,673	-
1988	-	-	-	-	-	-	387,246	1,341	-	100	*	-	535,994	530,970	5,024	-
1989	-	-	-	-	-	-	396,125	1,329	-	100	*	-	542,551	536,940	5,611	-
Pennsylvania Power & Light Co																
1985	-	-	-	-	-	-	219,888	49,509	-	82	18	-	598,030	382,647	215,383	-
1986	-	-	-	-	-	-	226,723	60,163	-	79	21	-	524,098	377,686	146,412	-
1987	-	-	-	-	-	-	235,184	45,836	-	84	16	-	520,190	384,840	135,350	-
1988	-	-	-	-	-	-	226,981	38,794	-	85	15	-	462,972	371,095	91,877	-
1989	-	-	-	-	-	-	235,505	41,212	-	85	15	-	496,650	382,624	114,026	-
Pennsylvania Power Co																
1985	-	-	-	-	-	-	153,658	54	-	100	*	-	261,726	261,394	332	-
1986	-	-	-	-	-	-	180,969	160	-	100	*	-	279,607	279,047	560	-
1987	-	-	-	-	-	-	163,861	845	-	99	1	-	236,717	233,281	3,436	-
1988	-	-	-	-	-	-	151,706	394	-	100	*	-	221,284	219,838	1,446	-
1989	-	-	-	-	-	-	153,325	652	-	100	*	-	231,608	228,954	2,654	-
Philadelphia Electric Co																
1985	-	-	-	-	-	-	32,225	31,001	-	51	49	-	191,176	55,453	135,722	-
1986	-	-	-	-	-	-	15,274	30,610	-	33	67	-	100,812	23,638	77,174	-
1987	-	-	-	-	-	-	33,343	26,848	-	55	45	-	134,059	50,484	83,576	-
1988	-	-	-	-	-	-	28,229	24,846	-	53	47	-	105,757	44,281	61,476	-
1989	-	-	-	-	-	-	31,915	31,436	-	50	50	-	147,663	52,043	95,621	-
Plains Elec Gen&Trans Coop Inc																
1985	45	1,052	3.83	-	3.83	-	18,419	-	47	100	-	*	31,410	31,237	-	173
1986	60	920	4.28	-	4.28	-	11,468	-	55	100	-	*	19,121	18,864	-	257
1987	26	901	3.42	-	3.42	-	11,744	-	23	100	-	*	19,337	19,249	-	89
1988	24	842	3.29	-	3.29	-	16,304	-	20	100	-	*	22,060	21,982	-	78
1989	16	850	3.78	-	3.78	-	17,350	-	13	100	-	*	23,872	23,812	-	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 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Platte River Power Authority																		
1985	1,160	100.0	8,917	4.8	0.3	15.59	-	15.59	-	-	-	-	-	-	-	-	-	-
1986	1,046	100.0	8,845	4.8	.3	18.90	-	18.90	-	-	-	-	-	-	-	-	-	-
1987	1,142	97.1	8,771	5.1	.3	13.31	12.87	13.30	-	-	-	-	-	-	-	-	-	-
1988	1,183	100.0	8,833	5.6	.3	12.46	-	12.46	-	-	-	-	-	-	-	-	-	-
1989	1,157	100.0	8,784	5.2	.3	12.53	-	12.53	-	-	-	-	-	-	-	-	-	-
Portland General Electric Co																		
1985	53	100.0	8,292	4.3	.3	33.12	-	33.12	-	-	-	-	-	-	-	15	138,800	33.03
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	138,800	18.90
1987	377	100.0	8,484	4.7	.3	23.78	-	23.78	-	-	-	-	-	-	-	-	-	-
1988	235	91.1	8,528	4.7	.3	23.70	23.73	23.70	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	139,838	26.59
Potomac Edison Co																		
1985	178	61.9	12,452	12.9	1.0	39.85	30.28	36.21	-	-	-	-	-	-	-	6	141,000	34.21
1986	164	36.6	12,536	11.5	.9	35.49	29.40	31.63	-	-	-	-	-	-	-	5	141,000	21.93
1987	231	58.5	12,554	11.3	1.0	33.51	27.92	31.19	-	-	-	-	-	-	-	5	141,000	23.69
1988	220	52.6	13,195	9.4	1.0	38.01	32.35	35.32	-	-	-	-	-	-	-	6	141,000	20.98
1989	238	44.4	12,910	10.4	1.0	38.95	34.81	36.65	-	-	-	-	-	-	-	6	141,000	23.90
Potomac Electric Power Co																		
1985	[1] 5,443	81.2	12,613	11.1	1.5	44.05	42.45	43.75	[2] 2,804	100.0	150,115	1.3	25.87	-	25.87	609	138,107	32.14
1986	5,764	81.4	12,637	11.1	1.5	42.65	39.12	41.99	[2] 3,066	100.0	148,417	1.4	14.67	-	14.67	570	138,337	19.69
1987	6,157	85.2	12,625	11.3	1.5	40.54	37.98	40.16	[2] 1,998	100.0	147,192	1.4	20.39	-	20.39	416	138,424	22.14
1988	6,309	78.5	12,615	11.4	1.6	41.61	37.69	40.77	[2] 3,563	100.0	149,126	1.2	15.43	-	15.43	216	138,615	20.29
1989	6,258	65.1	12,604	11.2	1.6	42.88	40.60	42.08	[2] 5,153	100.0	148,928	1.3	17.79	-	17.79	400	138,368	23.93
Power Authority of State of NY																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	2,157	-	147,002	.3	-	16.10	16.10	-	-	-
1987	-	-	-	-	-	-	-	-	1,932	-	147,751	.2	-	20.05	20.05	-	-	-
1988	-	-	-	-	-	-	-	-	2,884	29.9	147,380	.3	17.06	15.80	16.18	-	-	-
1989	-	-	-	-	-	-	-	-	1,505	-	147,171	.3	-	17.78	17.78	-	-	-
Public Service Co of Colorado																		
1985	6,804	91.8	9,369	6.4	.4	22.83	26.06	23.10	*	-	147,212	.7	-	24.76	24.76	22	136,805	34.62
1986	6,171	97.3	9,302	6.1	.4	23.52	26.07	23.59	-	-	-	-	-	-	-	28	137,394	19.07
1987	5,772	95.5	9,399	6.3	.4	23.74	24.62	23.78	-	-	-	-	-	-	-	28	136,759	22.10
1988	6,502	95.9	9,286	6.2	.4	21.69	22.11	21.70	-	-	-	-	-	-	-	9	136,454	23.05
1989	7,230	85.7	9,468	6.3	.4	20.41	24.15	20.94	-	-	-	-	-	-	-	29	136,984	23.40
Public Service Co of IN Inc																		
1985	12,401	96.5	10,785	10.7	2.4	30.87	29.51	30.83	-	-	-	-	-	-	-	121	137,000	33.24
1986	11,150	97.7	10,723	10.7	2.4	31.63	31.73	31.63	-	-	-	-	-	-	-	129	137,000	21.21
1987	11,377	96.5	10,818	10.6	2.4	33.28	26.01	33.02	-	-	-	-	-	-	-	142	137,000	23.81
1988	10,796	91.1	10,884	10.2	2.4	33.77	23.92	32.89	-	-	-	-	-	-	-	142	137,000	20.96
1989	10,814	88.9	10,873	10.1	2.3	33.25	24.63	32.30	-	-	-	-	-	-	-	168	137,000	24.43
Public Service Co of NH																		
1985	1,433	100.0	13,452	7.7	2.1	54.05	-	54.05	2,238	78.1	156,170	1.9	24.48	21.02	23.72	23	137,154	33.38
1986	952	90.5	13,443	7.4	2.0	52.85	59.84	53.51	4,646	68.2	154,806	1.8	12.90	11.41	12.43	17	137,561	20.87
1987	1,115	97.2	13,416	7.4	2.2	51.68	44.07	51.47	3,372	94.1	155,870	1.7	16.91	16.90	16.90	12	137,676	23.35
1988	1,262	19.9	13,333	7.1	2.3	53.01	45.99	47.38	5,115	88.3	154,603	1.8	12.11	12.04	12.10	15	138,078	21.31
1989	1,064	17.5	13,359	6.8	2.0	46.00	46.22	46.18	5,082	98.2	155,916	1.9	14.84	13.19	14.81	20	138,179	24.74
Public Service Co of NM																		
1985	6,804	100.0	9,528	20.0	.7	21.13	-	21.13	[2] 33	100.0	146,628	.6	23.64	-	23.64	36	136,244	36.17
1986	5,876	100.0	9,456	20.7	.8	25.06	-	25.06	36	84.9	147,165	1.0	10.71	7.25	10.19	51	136,007	21.64
1987	5,037	100.0	9,426	22.1	.8	29.52	-	29.52	26	100.0	145,000	1.0	13.05	-	13.05	44	136,000	25.52
1988	4,890	100.0	9,540	21.3	.7	29.11	-	29.11	[2] 42	100.0	145,000	1.0	10.24	-	10.24	55	136,000	24.09
1989	5,972	100.0	9,636	21.2	.8	28.54	-	28.54	[2] 29	100.0	145,000	1.0	14.68	-	14.68	36	135,059	28.23

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 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Platte River Power Authority																
1985	-	-	-	-	-	-	20,690	-	-	100	-	-	18,084	18,084	-	-
1986	-	-	-	-	-	-	18,501	-	-	100	-	-	19,771	19,771	-	-
1987	-	-	-	-	-	-	20,035	-	-	100	-	-	15,186	15,186	-	-
1988	-	-	-	-	-	-	20,899	-	-	100	-	-	14,739	14,739	-	-
1989	-	-	-	-	-	-	20,324	-	-	100	-	-	14,492	14,492	-	-
Portland General Electric Co																
1985	-	-	-	-	-	-	874	90	-	91	9	-	2,254	1,745	509	-
1986	-	-	-	-	-	-	-	1	-	-	100	-	3	-	3	-
1987	-	-	-	-	-	-	6,392	-	-	100	-	-	8,960	8,960	-	-
1988	-	-	-	-	-	-	4,001	-	-	100	-	-	5,559	5,559	-	-
1989	-	-	-	-	-	-	-	72	-	-	100	-	327	-	327	-
Potomac Edison Co																
1985	-	-	-	-	-	-	4,427	33	-	99	1	-	6,628	6,436	192	-
1986	-	-	-	-	-	-	4,107	29	-	99	1	-	5,289	5,182	108	-
1987	-	-	-	-	-	-	5,796	27	-	100	*	-	7,307	7,200	107	-
1988	-	-	-	-	-	-	5,795	36	-	99	1	-	7,883	7,756	126	-
1989	-	-	-	-	-	-	6,154	36	-	99	1	-	8,880	8,735	145	-
Potomac Electric Power Co																
1985	-	-	-	-	-	-	137,311	21,212	-	87	13	-	330,238	238,133	92,105	-
1986	799	1,058	2.90	-	2.90	-	145,692	22,421	845	86	13	1	300,595	242,071	56,208	2,316
1987	6,833	1,043	2.80	-	2.80	-	155,473	14,765	7,126	88	8	4	316,354	247,282	49,923	19,150
1988	1,568	1,041	2.42	-	2.42	-	159,168	23,576	1,632	86	13	1	320,347	257,200	59,356	3,791
1989	11,224	1,045	2.63	-	2.63	-	157,745	34,556	11,725	77	17	6	394,128	263,326	101,254	29,547
Power Authority of State of NY																
1985	18,025	1,037	3.92	-	3.92	-	-	-	18,688	-	-	100	70,702	-	-	70,702
1986	9,029	1,036	2.22	5.68	2.22	0.1	-	13,317	9,354	-	59	41	54,770	-	34,730	20,040
1987	19,576	1,030	2.66	-	2.66	-	-	11,989	20,161	-	37	63	90,704	-	38,727	51,977
1988	11,447	1,031	2.37	-	2.37	-	-	17,852	11,800	-	60	40	73,835	-	46,663	27,172
1989	18,168	1,030	2.54	-	2.54	-	-	9,303	18,719	-	33	67	72,917	-	26,762	46,155
Public Service Co of Colorado																
1985	1,008	994	3.32	-	3.32	-	127,487	125	1,002	99	*	1	161,248	157,150	753	3,345
1986	1,657	985	2.85	2.19	2.83	3.9	114,797	161	1,633	98	*	1	150,805	145,588	533	4,684
1987	4,601	984	2.21	2.11	2.18	31.8	108,515	161	4,527	96	*	4	147,937	137,286	619	10,031
1988	4,490	982	2.18	2.16	2.17	43.5	120,760	53	4,411	96	*	4	151,070	141,121	214	9,734
1989	3,947	975	2.01	2.17	2.11	62.3	136,909	167	3,848	97	*	3	160,449	151,439	680	8,330
Public Service Co of IN Inc																
1985	-	-	-	-	-	-	267,471	695	-	100	*	-	386,273	382,261	4,012	-
1986	-	-	-	-	-	-	239,138	743	-	100	*	-	355,416	352,676	2,740	-
1987	-	-	-	-	-	-	246,160	816	-	100	*	-	379,036	375,659	3,376	-
1988	-	-	-	-	-	-	235,004	818	-	100	*	-	358,082	355,101	2,981	-
1989	-	-	-	-	-	-	235,174	966	-	100	*	-	353,403	349,301	4,102	-
Public Service Co of NH																
1985	-	-	-	-	-	-	38,546	14,816	-	72	28	-	131,308	77,431	53,877	-
1986	-	-	-	-	-	-	25,605	30,307	-	46	54	-	109,050	50,962	58,088	-
1987	-	-	-	-	-	-	29,931	22,148	-	57	43	-	114,706	57,412	57,294	-
1988	-	-	-	-	-	-	33,642	33,299	-	50	50	-	122,003	59,779	62,224	-
1989	-	-	-	-	-	-	28,428	33,394	-	46	54	-	124,911	49,138	75,773	-
Public Service Co of NM																
1985	1,377	1,097	4.05	-	4.05	-	129,651	407	1,510	99	*	1	151,402	143,755	2,073	5,574
1986	907	1,138	2.26	-	2.26	-	111,133	510	1,032	99	*	1	150,770	147,261	1,460	2,050
1987	251	1,081	2.36	-	2.36	-	94,959	408	271	99	*	*	150,732	148,681	1,458	593
1988	303	1,062	3.29	-	3.29	-	93,301	572	321	99	1	*	145,095	142,337	1,762	997
1989	438	1,068	3.85	3.83	3.85	27.2	115,090	379	468	99	*	*	173,551	170,434	1,432	1,685

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Con tract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Con-tract	Spot	Total	1,000 bbls	% on Con tract	Btu per Gal	Sulf Wt Pct	Con-tract	Spot	Total	1,000 bbls		
Public Service Co of Oklahoma																		
1985	3,044	100.0	8,324	6.0	0.4	33.77	-	33.77	-	-	-	-	-	-	-	-	-	-
1986	2,921	100.0	8,352	6.0	.4	32.42	-	32.42	-	-	-	-	-	-	-	-	-	-
1987	2,954	100.0	8,533	6.1	.4	28.19	-	28.19	-	-	-	-	-	-	-	1	139,417	27.92
1988	2,704	99.6	8,714	6.2	.5	28.19	39.20	28.23	-	-	-	-	-	-	-	-	-	-
1989	2,604	95.3	8,893	6.0	.5	29.05	36.46	29.39	-	-	-	-	-	-	-	-	-	-
Public Service Electric&Gas Co																		
1985	2,297	74.5	13,336	7.5	1.0	53.86	48.95	52.61	[2] 3,221	82.5	146,823	0.3	28.90	26.51	28.49	-	-	-
1986	1,761	66.0	13,336	7.3	1.0	50.67	44.86	48.70	[2] 5,751	66.8	146,720	.3	14.45	13.93	14.28	15	138,259	18.67
1987	1,811	84.1	13,339	7.5	.9	48.67	44.82	48.06	2,507	67.1	147,241	.3	20.04	19.81	19.96	1	137,258	22.35
1988	1,615	81.9	13,438	6.9	.8	46.27	45.29	46.09	5,223	75.3	147,533	.3	16.25	15.36	16.03	2	139,531	21.94
1989	2,380	72.5	13,420	6.9	.8	46.88	46.88	46.88	[2] 4,771	76.0	147,424	.3	20.06	17.66	19.48	2	138,745	27.57
Puget Sound Power & Light Co																		
1989	-	-	-	-	-	-	-	-	30	-	150,000	.0	-	15.98	15.98	-	-	-
Richmond City of																		
1985	200	84.9	11,080	9.8	2.1	40.89	30.86	39.37	-	-	-	-	-	-	-	-	-	-
1986	192	89.2	11,099	10.7	2.2	39.69	30.60	38.70	-	-	-	-	-	-	-	-	-	-
1987	192	88.3	11,271	11.2	2.5	38.27	29.88	37.29	-	-	-	-	-	-	-	-	-	-
1988	221	83.3	11,441	11.6	2.5	38.35	30.40	37.02	-	-	-	-	-	-	-	-	-	-
1989	225	84.1	11,189	11.3	2.5	37.30	30.28	36.19	-	-	-	-	-	-	-	-	-	-
Rochester City of																		
1985	175	75.9	12,196	6.7	1.5	52.52	50.60	52.06	-	-	-	-	-	-	-	-	-	-
1986	113	100.0	12,250	7.1	1.6	51.64	-	51.64	-	-	-	-	-	-	-	-	-	-
1987	122	100.0	12,257	7.1	1.7	47.21	-	47.21	-	-	-	-	-	-	-	-	-	-
1988	107	100.0	12,148	6.9	1.6	47.86	-	47.86	-	-	-	-	-	-	-	-	-	-
1989	57	100.0	12,149	7.1	1.6	47.19	-	47.19	-	-	-	-	-	-	-	-	-	-
Rochester Gas & Electric Corp																		
1985	779	60.0	13,055	7.9	2.2	48.30	44.07	46.61	43	46.2	150,834	1.9	26.78	27.64	27.24	-	-	-
1986	548	94.3	13,087	7.9	2.3	46.28	43.25	46.11	-	-	-	-	-	-	-	-	-	-
1987	533	85.6	13,232	7.0	2.3	45.61	41.30	44.99	-	-	-	-	-	-	-	-	-	-
1988	623	87.1	13,158	7.2	1.9	43.88	41.61	43.59	-	-	-	-	-	-	-	-	-	-
1989	853	58.5	13,118	7.2	2.1	42.38	39.79	41.31	-	-	-	-	-	-	-	-	-	-
Ruston City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S Mississippi Elec Pwr Assn																		
1985	922	100.0	12,355	8.2	.9	55.96	-	55.96	-	-	-	-	-	-	-	3	141,600	38.30
1986	823	38.0	12,536	8.2	.9	56.00	52.27	53.69	-	-	-	-	-	-	-	8	140,009	20.52
1987	795	-	12,561	8.4	.9	-	55.84	55.84	-	-	-	-	-	-	-	7	134,499	22.65
1988	750	83.2	12,550	8.4	.9	48.94	57.19	50.33	[2] 0	-	134,395	1.7	-	4.20	4.20	10	140,503	19.82
1989	731	100.0	12,430	8.9	.9	49.52	-	49.52	-	-	-	-	-	-	-	10	138,035	21.62
Salt River Proj Ag I & P Dist																		
1985	8,880	100.0	10,928	9.7	.5	23.94	-	23.94	-	-	-	-	-	-	-	128	140,247	37.15
1986	8,620	100.0	10,873	10.0	.5	25.59	-	25.59	35	-	150,554	.8	-	22.22	22.22	153	138,693	21.68
1987	8,709	98.9	10,884	10.1	.5	24.66	31.56	24.74	11	-	140,397	.8	-	13.21	13.21	216	138,692	25.88
1988	9,103	100.0	10,916	9.6	.5	26.89	-	26.89	21	-	148,483	.9	-	15.40	15.40	158	139,620	25.05
1989	9,198	100.0	10,890	9.3	.5	25.21	-	25.21	69	-	148,842	1.0	-	16.99	16.99	126	139,031	26.39
San Antonio City of																		
1985	3,540	100.0	8,297	5.9	.4	35.35	-	35.35	-	-	-	-	-	-	-	-	-	-
1986	2,813	92.9	8,273	5.9	.4	28.71	26.54	28.56	-	-	-	-	-	-	-	566	139,807	15.56
1987	2,657	100.0	8,308	5.7	.4	27.67	-	27.67	-	-	-	-	-	-	-	-	-	-
1988	3,180	100.0	8,445	5.4	.4	24.57	-	24.57	-	-	-	-	-	-	-	-	-	-
1989	3,148	96.8	8,344	5.6	.3	22.82	19.48	22.71	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Public Service Co of Oklahoma																
1985	68,751	1,051	-	2.86	2.86	100.0	50,676	-	72,266	41	-	59	299,482	102,799	-	196,683
1986	68,486	1,049	-	2.86	2.86	100.0	48,790	-	71,814	40	-	60	290,400	94,701	-	195,700
1987	53,843	1,050	-	3.01	3.01	100.0	50,414	4	56,520	47	*	53	245,192	83,285	17	161,890
1988	56,823	1,042	-	3.11	3.11	100.0	47,133	-	59,194	44	-	56	253,156	76,349	-	176,808
1989	58,092	1,051	-	3.05	3.05	100.0	46,317	-	61,060	43	-	57	253,753	76,539	-	177,215
Public Service Electric&Gas Co																
1985	34,109	1,051	4.25	-	4.25	-	61,259	19,865	35,838	52	17	31	357,710	120,834	91,764	145,112
1986	19,111	1,036	2.62	-	2.62	-	46,963	35,530	19,800	46	35	19	218,128	85,741	82,387	50,000
1987	39,797	1,034	2.64	-	2.64	-	48,321	15,509	41,160	46	15	39	242,016	87,043	50,070	104,904
1988	28,026	1,034	2.32	-	2.32	-	43,400	32,377	28,978	41	31	28	223,109	74,434	83,769	64,907
1989	31,998	1,034	2.47	-	2.47	-	63,889	29,552	33,081	50	23	26	283,629	111,587	92,996	79,047
Puget Sound Power & Light Co																
1989	-	-	-	-	-	-	-	189	-	-	100	-	480	-	480	-
Richmond City of																
1985	-	-	-	-	-	-	4,438	-	-	100	-	-	7,884	7,884	-	-
1986	-	-	-	-	-	-	4,256	-	-	100	-	-	7,420	7,420	-	-
1987	-	-	-	-	-	-	4,335	-	-	100	-	-	7,170	7,170	-	-
1988	-	-	-	-	-	-	5,068	-	-	100	-	-	8,200	8,200	-	-
1989	-	-	-	-	-	-	5,030	-	-	100	-	-	8,133	8,133	-	-
Rochester City of																
1985	67	1,003	-	5.14	5.14	100.0	4,271	-	67	98	-	2	9,458	9,115	-	343
1986	75	995	-	4.66	4.66	100.0	2,761	-	75	97	-	3	6,170	5,820	-	350
1987	1,361	994	1.92	3.14	1.93	1.3	2,993	-	1,354	69	-	31	8,396	5,764	-	2,632
1988	1,109	1,003	1.70	-	1.70	-	2,592	-	1,112	70	-	30	6,988	5,106	-	1,882
1989	591	1,008	2.07	-	2.07	-	1,385	-	595	70	-	30	3,914	2,690	-	1,224
Rochester Gas & Electric Corp																
1985	823	1,021	-	4.17	4.17	100.0	20,353	274	841	95	1	4	40,944	36,329	1,179	3,435
1986	112	1,027	-	4.21	4.21	100.0	14,338	-	115	99	-	1	25,732	25,261	-	471
1987	-	-	-	-	-	-	14,094	-	-	100	-	-	23,963	23,963	-	-
1988	-	-	-	-	-	-	16,408	-	-	100	-	-	27,178	27,178	-	-
1989	-	-	-	-	-	-	22,374	-	-	100	-	-	35,227	35,227	-	-
Ruston City of																
1985	632	1,033	-	3.46	3.46	100.0	-	-	653	-	-	100	2,187	-	-	2,187
1986	1,489	1,035	-	2.60	2.60	100.0	-	-	1,541	-	-	100	3,871	-	-	3,871
1987	1,986	1,045	-	1.98	1.98	100.0	-	-	2,075	-	-	100	3,926	-	-	3,926
1988	2,017	1,047	-	1.92	1.92	100.0	-	-	2,110	-	-	100	3,874	-	-	3,874
1989	1,596	1,054	1.96	2.11	2.03	46.7	-	-	1,683	-	-	100	3,243	-	-	3,243
S Mississippi Elec Pwr Assn																
1985	1,195	1,042	-	3.63	3.63	100.0	22,782	20	1,246	95	*	5	56,063	51,593	130	4,340
1986	4,531	1,042	1.87	2.27	2.12	62.9	20,640	45	4,721	81	*	19	53,963	44,197	156	9,610
1987	5,333	1,028	1.72	-	1.72	-	19,979	40	5,483	78	*	21	53,724	44,409	161	9,154
1988	4,312	1,013	1.79	-	1.79	-	18,817	61	4,366	81	*	19	45,654	37,730	200	7,725
1989	6,662	1,012	1.83	-	1.83	-	18,185	56	6,743	73	*	27	48,647	36,227	208	12,212
Salt River Proj Ag I & P Dist																
1985	9,439	1,074	3.85	-	3.85	-	194,076	755	10,136	95	*	5	253,669	212,611	4,758	36,299
1986	5,305	1,061	2.55	-	2.55	-	187,450	1,111	5,630	97	1	3	238,164	220,555	4,090	13,520
1987	4,255	1,044	2.63	-	2.63	-	189,572	1,320	4,440	97	1	2	232,316	215,418	5,724	11,174
1988	4,671	1,045	2.24	-	2.24	-	198,722	1,059	4,879	97	1	2	259,534	244,797	4,288	10,449
1989	13,847	1,039	2.32	-	2.32	-	200,339	1,167	14,386	93	1	7	268,522	231,903	4,499	32,121
San Antonio City of																
1985	51,171	1,042	4.01	3.67	3.68	97.9	58,737	-	53,333	52	-	48	313,260	125,131	-	188,128
1986	63,554	1,029	1.75	3.61	2.22	25.2	46,536	3,322	65,404	40	3	57	230,314	80,319	8,801	141,194
1987	67,680	1,024	1.71	3.92	1.85	6.4	44,149	-	69,281	39	-	61	198,668	73,520	-	125,148
1988	52,872	1,023	1.88	4.39	1.94	2.4	53,704	-	54,066	50	-	50	180,684	78,124	-	102,560
1989	44,017	1,022	1.96	-	1.96	-	52,542	-	44,996	54	-	46	157,885	71,503	-	86,382

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
San Diego Gas & Electric Co																		
1985	-	-	-	-	-	-	-	-	772	-	148,642	0.3	-	24.75	24.75	-	-	-
1986	-	-	-	-	-	-	-	-	3,402	-	146,909	.3	-	13.44	13.44	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	2,079	2.4	146,623	.3	16.58	15.86	15.87	-	-	-
1989	-	-	-	-	-	-	-	-	1,458	-	146,603	.4	-	19.26	19.26	7	140,193	21.19
San Miguel Electric Coop Inc																		
1985	2,529	100.0	5,404	23.9	1.9	13.51	-	13.51	-	-	-	-	-	-	-	37	141,140	29.18
1986	2,365	100.0	5,362	24.8	1.8	12.78	-	12.78	-	-	-	-	-	-	-	51	143,507	18.61
1987	2,525	100.0	5,369	24.8	1.7	9.22	-	9.22	-	-	-	-	-	-	-	7	139,489	21.00
1988	3,163	100.0	5,198	26.2	1.7	8.08	-	8.08	-	-	-	-	-	-	-	10	139,177	17.39
1989	2,984	100.0	5,366	25.0	1.7	9.11	-	9.11	-	-	-	-	-	-	-	*	139,113	20.13
Savannah Electric & Power Co																		
1985	771	-	12,935	8.5	1.0	-	46.12	46.12	10	-	146,838	2.2	-	24.69	24.69	5	135,883	35.74
1986	858	-	12,933	8.8	.9	-	43.52	43.52	190	-	147,867	2.4	-	11.73	11.73	5	135,952	21.58
1987	777	-	13,026	8.7	.9	-	42.81	42.81	141	-	146,685	2.5	-	19.10	19.10	2	135,879	23.97
1988	870	-	12,951	7.9	.8	-	44.07	44.07	67	-	147,194	2.5	-	14.44	14.44	4	135,808	21.71
1989	962	-	12,650	8.9	1.0	-	44.38	44.38	15	-	146,994	2.2	-	16.98	16.98	4	137,893	25.25
Seminole Electric Coop Inc																		
1985	2,420	71.1	12,292	8.9	2.9	56.37	45.84	53.33	-	-	-	-	-	-	-	112	140,979	34.07
1986	2,952	84.8	12,076	8.7	2.7	51.25	40.48	49.61	-	-	-	-	-	-	-	42	138,853	20.99
1987	3,052	80.6	12,132	8.6	2.9	51.56	37.32	48.80	-	-	-	-	-	-	-	42	139,508	22.58
1988	2,283	86.3	12,007	8.3	2.9	48.76	36.94	47.15	-	-	-	-	-	-	-	28	138,490	22.05
1989	3,029	80.2	11,998	8.8	2.9	48.58	38.77	46.63	-	-	-	-	-	-	-	43	136,831	25.08
Sierra Pacific Power Co																		
1985	1,301	100.0	11,296	8.2	.4	46.29	-	46.29	-	-	-	-	-	-	-	34	138,500	35.80
1986	1,071	100.0	11,166	8.2	.3	41.90	-	41.90	286	-	148,863	.4	-	12.36	12.36	12	138,500	22.50
1987	1,103	100.0	10,964	8.6	.4	40.63	-	40.63	408	-	148,800	.7	-	15.04	15.04	16	138,500	24.95
1988	1,430	100.0	10,589	8.5	.4	39.96	-	39.96	822	-	148,800	.8	-	15.35	15.35	16	138,500	28.52
1989	1,427	100.0	10,672	8.5	.4	40.29	-	40.29	441	-	148,800	.8	-	17.23	17.23	11	138,500	28.85
Sikeston City of																		
1985	277	100.0	11,176	12.8	2.5	43.14	-	43.14	-	-	-	-	-	-	-	8	141,000	42.05
1986	304	100.0	11,198	11.5	2.6	28.63	-	28.63	-	-	-	-	-	-	-	6	141,000	35.48
1987	576	100.0	11,449	10.5	2.2	34.27	-	34.27	-	-	-	-	-	-	-	4	141,000	21.54
1988	604	100.0	11,413	11.3	2.5	35.66	-	35.66	-	-	-	-	-	-	-	3	141,000	19.74
1989	557	100.0	11,403	12.1	2.6	35.33	-	35.33	-	-	-	-	-	-	-	11	141,000	26.73
South Carolina Electric&Gas Co																		
1985	4,216	87.2	12,852	8.9	1.3	50.60	43.01	49.63	-	-	-	-	-	-	-	72	138,000	33.05
1986	3,616	89.1	12,929	8.9	1.3	47.40	39.79	46.57	-	-	-	-	-	-	-	64	138,000	22.25
1987	4,779	71.6	12,878	8.9	1.3	46.33	38.04	43.98	-	-	-	-	-	-	-	65	138,000	23.33
1988	4,374	70.1	12,897	9.0	1.2	46.08	40.17	44.31	-	-	-	-	-	-	-	72	138,000	22.23
1989	4,403	76.7	12,884	8.6	1.1	42.89	39.80	42.17	-	-	-	-	-	-	-	68	138,000	24.30
South Carolina Pub Serv Auth																		
1985	3,535	84.7	12,263	10.5	1.3	47.35	42.32	46.58	-	-	-	-	-	-	-	40	140,000	34.00
1986	3,454	85.2	12,416	9.9	1.2	47.38	40.92	46.42	-	-	-	-	-	-	-	22	140,000	20.46
1987	4,128	72.7	12,391	10.1	1.2	47.41	36.97	44.56	-	-	-	-	-	-	-	37	140,000	23.34
1988	4,211	69.5	12,452	9.8	1.2	48.68	36.58	44.99	-	-	-	-	-	-	-	18	140,000	21.21
1989	4,913	57.3	12,415	9.5	1.2	48.00	38.91	44.12	-	-	-	-	-	-	-	-	-	-
Southern California Edison Co																		
1985	2,285	100.0	10,961	10.2	.5	22.56	-	22.56	1,683	100.0	145,974	*	41.17	-	41.17	-	-	-
1986	4,756	100.0	10,998	9.8	.6	22.43	-	22.43	2,543	100.0	146,405	.2	31.25	-	31.25	-	-	-
1987	4,293	100.0	10,984	10.0	.5	22.96	-	22.96	1,061	100.0	147,115	.3	17.08	-	17.08	-	-	-
1988	5,013	100.0	11,005	9.9	.5	22.49	-	22.49	5,248	100.0	145,695	.2	16.51	-	16.51	-	-	-
1989	4,137	100.0	10,997	9.9	.5	27.15	-	27.15	3,138	100.0	145,628	.2	19.61	-	19.61	2	140,476	22.23

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 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
San Diego Gas & Electric Co																
1985	35,611	1,043	4.78	-	4.78	-	-	4,820	37,148	-	11	89	189,280	-	19,106	170,174
1986	25,983	1,035	2.81	-	2.81	-	-	20,991	26,902	-	44	56	118,633	-	45,723	72,910
1987	45,397	1,034	2.11	-	2.11	-	-	-	46,959	-	-	100	95,941	-	-	95,941
1988	32,076	1,033	2.32	-	2.32	-	-	12,803	33,148	-	28	72	107,505	-	33,004	74,501
1989	40,057	1,036	2.49	-	2.49	-	-	9,019	41,485	-	18	82	128,122	-	28,234	99,888
San Miguel Electric Coop Inc																
1985	-	-	-	-	-	-	27,328	218	-	99	1	-	35,228	34,156	1,072	-
1986	-	-	-	-	-	-	25,360	308	-	99	1	-	31,176	30,226	950	-
1987	-	-	-	-	-	-	27,109	42	-	100	*	-	23,417	23,265	152	-
1988	-	-	-	-	-	-	32,879	61	-	100	*	-	25,748	25,568	180	-
1989	-	-	-	-	-	-	32,018	1	-	100	*	-	27,171	27,168	3	-
Savannah Electric & Power Co																
1985	394	1,023	4.58	4.50	4.58	3.5	19,944	92	403	98	*	2	37,800	35,555	438	1,807
1986	681	1,023	4.21	-	4.21	-	22,201	1,209	696	92	5	3	42,560	37,356	2,341	2,862
1987	497	1,023	3.96	-	3.96	-	20,244	882	508	94	4	2	37,984	33,266	2,750	1,968
1988	1,186	1,022	2.71	-	2.71	-	22,543	435	1,212	93	2	5	42,617	38,358	1,045	3,213
1989	403	1,022	3.22	-	3.22	-	24,336	110	412	98	*	2	44,326	42,690	337	1,300
Seminole Electric Coop Inc																
1985	-	-	-	-	-	-	59,494	663	-	99	1	-	132,871	129,055	3,816	-
1986	-	-	-	-	-	-	71,296	245	-	100	*	-	147,341	146,459	882	-
1987	-	-	-	-	-	-	74,055	246	-	100	*	-	149,883	148,935	948	-
1988	-	-	-	-	-	-	54,826	163	-	100	*	-	108,253	107,635	617	-
1989	-	-	-	-	-	-	72,685	247	-	100	*	-	142,330	141,252	1,079	-
Sierra Pacific Power Co																
1985	3,241	1,056	4.25	-	4.25	-	29,383	199	3,422	89	1	10	75,202	60,206	1,227	13,769
1986	1,423	1,029	3.70	-	3.70	-	23,928	1,860	1,463	88	7	5	53,967	44,897	3,811	5,259
1987	1,490	1,015	2.93	-	2.93	-	24,181	2,645	1,513	85	9	5	55,725	44,808	6,545	4,372
1988	4,225	1,017	2.92	-	2.92	-	30,283	5,230	4,298	76	13	11	82,547	57,140	13,075	12,332
1989	15,375	1,028	1.85	-	1.85	-	30,457	2,820	15,810	62	6	32	93,890	57,490	7,918	28,483
Sikeston City of																
1985	-	-	-	-	-	-	6,190	50	-	99	1	-	12,300	11,946	354	-
1986	-	-	-	-	-	-	6,799	38	-	99	1	-	8,919	8,691	228	-
1987	-	-	-	-	-	-	13,192	24	-	100	*	-	19,830	19,742	88	-
1988	-	-	-	-	-	-	13,789	20	-	100	*	-	21,612	21,544	68	-
1989	-	-	-	-	-	-	12,708	67	-	99	1	-	19,986	19,685	302	-
South Carolina Electric&Gas Co																
1985	203	1,026	4.64	-	4.64	-	108,355	417	208	99	*	*	212,552	209,228	2,380	943
1986	951	1,022	2.00	-	2.00	-	93,515	369	972	99	*	1	171,740	168,416	1,418	1,906
1987	173	1,027	3.57	-	3.57	-	123,082	376	178	100	*	*	212,290	210,158	1,514	618
1988	1,631	1,032	1.83	-	1.83	-	112,818	420	1,683	98	*	1	198,405	193,813	1,612	2,980
1989	1,881	1,023	2.27	-	2.27	-	113,457	395	1,924	98	*	2	191,586	185,656	1,657	4,272
South Carolina Pub Serv Auth																
1985	-	-	-	-	-	-	86,700	235	-	100	*	-	166,036	164,678	1,358	-
1986	-	-	-	-	-	-	85,766	131	-	100	*	-	160,792	160,336	455	-
1987	-	-	-	-	-	-	102,287	216	-	100	*	-	184,783	183,927	856	-
1988	-	-	-	-	-	-	104,870	104	-	100	*	-	189,830	189,454	376	-
1989	-	-	-	-	-	-	121,993	-	-	100	-	-	216,782	216,782	-	-
Southern California Edison Co																
1985	257,171	1,054	4.33	-	4.33	-	50,081	10,318	271,052	15	3	82	1,233,995	51,549	69,289	1,113,157
1986	174,300	1,050	2.71	-	2.71	-	104,619	15,636	183,099	34	5	60	659,047	106,696	79,474	472,878
1987	251,096	1,045	2.65	-	2.65	-	94,310	6,555	262,312	26	2	72	783,081	98,576	18,121	666,384
1988	153,388	1,046	3.44	-	3.44	-	110,341	32,111	160,501	36	11	53	727,356	112,742	86,620	527,994
1989	155,625	1,048	3.47	-	3.47	-	90,999	19,203	163,078	33	7	60	714,365	112,334	61,571	540,459

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Southern Illinois Power Coop																		
1985	657	38.2	10,274	18.7	2.9	36.54	14.52	22.93	-	-	-	-	-	-	-	-	-	-
1986	737	54.8	10,633	18.5	3.2	26.61	12.53	20.25	-	-	-	-	-	-	-	-	-	-
1987	655	62.0	10,950	17.3	3.3	25.94	12.19	20.72	-	-	-	-	-	-	-	-	-	-
1988	700	37.7	10,476	18.8	3.2	19.89	14.42	16.48	-	-	-	-	-	-	-	-	-	-
1989	516	48.3	10,329	20.0	3.3	21.25	12.44	16.69	-	-	-	-	-	-	-	6	135,738	25.29
Southern Indiana Gas & Elec Co																		
1985	1,878	98.9	11,143	9.1	3.3	35.82	25.35	35.71	-	-	-	-	-	-	-	10	139,000	37.10
1986	2,300	97.5	11,219	9.1	3.4	33.87	25.35	33.65	-	-	-	-	-	-	-	15	139,000	24.05
1987	2,296	97.4	11,247	8.9	3.3	33.18	23.39	32.93	-	-	-	-	-	-	-	12	139,000	24.94
1988	2,241	100.0	11,245	8.6	3.3	32.70	-	32.70	-	-	-	-	-	-	-	13	139,000	23.12
1989	2,557	96.6	11,266	8.8	3.3	32.27	24.40	32.00	-	-	-	-	-	-	-	14	139,000	26.80
Southwestern Electric Power Co																		
1985	10,069	100.0	7,900	6.3	.6	25.55	-	25.55	-	-	-	-	-	-	-	74	140,000	33.77
1986	9,244	100.0	7,939	6.2	.6	26.33	-	26.33	-	-	-	-	-	-	-	37	140,000	17.13
1987	9,464	100.0	7,927	6.5	.7	25.91	-	25.91	-	-	-	-	-	-	-	41	140,000	22.62
1988	9,073	100.0	8,016	6.3	.6	28.39	-	28.39	-	-	-	-	-	-	-	32	140,000	27.89
1989	9,753	100.0	7,923	6.6	.7	28.10	-	28.10	-	-	-	-	-	-	-	34	140,000	23.02
Southwestern Public Service Co																		
1985	6,992	100.0	8,821	5.0	.3	27.94	-	27.94	-	-	-	-	-	-	-	-	-	-
1986	6,803	100.0	8,857	4.9	.4	29.78	-	29.78	-	-	-	-	-	-	-	-	-	-
1987	7,201	93.7	8,837	5.0	.4	31.04	18.56	30.26	-	-	-	-	-	-	-	-	-	-
1988	7,912	88.4	8,777	5.0	.3	30.07	18.66	28.74	-	-	-	-	-	-	-	2	139,000	20.97
1989	8,148	89.1	8,753	5.2	.4	29.98	19.14	28.80	-	-	-	-	-	-	-	22	135,364	21.76
Springfield City of (MO)																		
1985	456	100.0	12,337	11.2	3.8	32.10	-	32.10	-	-	-	-	-	-	-	-	-	-
1986	716	100.0	12,694	11.0	4.0	30.45	-	30.45	-	-	-	-	-	-	-	-	-	-
1987	644	100.0	12,407	10.5	4.1	29.25	-	29.25	-	-	-	-	-	-	-	-	-	-
1988	815	100.0	12,135	10.4	3.5	30.15	-	30.15	-	-	-	-	-	-	-	-	-	-
1989	750	100.0	11,727	9.4	2.6	29.64	-	29.64	-	-	-	-	-	-	-	-	-	-
Springfield City of (IL)																		
1985	701	100.0	10,354	9.1	2.9	41.37	-	41.37	-	-	-	-	-	-	-	-	-	-
1986	788	100.0	10,344	9.2	2.9	34.00	-	34.00	-	-	-	-	-	-	-	-	-	-
1987	840	100.0	10,404	9.4	2.9	32.99	-	32.99	-	-	-	-	-	-	-	-	-	-
1988	895	100.0	10,361	9.2	3.0	33.63	-	33.63	-	-	-	-	-	-	-	-	-	-
1989	907	100.0	10,377	9.1	2.9	26.74	-	26.74	-	-	-	-	-	-	-	-	-	-
St Joseph Light & Power Co																		
1985	116	-	11,645	13.0	3.1	-	33.86	33.86	5	-	144,545	1.1	-	25.18	25.18	2	139,029	33.20
1986	107	-	12,163	16.1	3.7	-	34.97	34.97	-	-	-	-	-	-	-	-	-	-
1987	111	-	12,164	14.9	3.6	-	33.36	33.36	39	-	154,599	1.8	-	15.17	15.17	-	-	-
1988	183	-	12,463	12.4	3.8	-	33.50	33.50	45	-	152,578	1.7	-	11.09	11.09	9	138,969	20.83
1989	180	-	12,250	12.8	3.2	-	33.45	33.45	66	-	153,415	2.6	-	13.64	13.64	2	137,613	21.94
Sunflower Electric Power Corp																		
1985	895	100.0	8,258	5.8	.5	24.54	-	24.54	-	-	-	-	-	-	-	-	-	-
1986	795	100.0	8,319	5.5	.4	24.18	-	24.18	-	-	-	-	-	-	-	-	-	-
1987	902	100.0	8,282	5.6	.4	17.47	-	17.47	-	-	-	-	-	-	-	-	-	-
1988	1,000	43.0	8,345	5.4	.4	18.21	15.03	16.39	-	-	-	-	-	-	-	-	-	-
1989	1,150	49.5	8,343	4.9	.3	16.26	14.76	15.51	-	-	-	-	-	-	-	-	-	-
Tallahassee City of																		
1985	-	-	-	-	-	-	-	-	28	-	151,350	2.4	-	22.95	22.95	-	-	-
1986	-	-	-	-	-	-	-	-	430	100.0	151,282	2.1	11.62	-	11.62	-	-	-
1987	-	-	-	-	-	-	-	-	67	100.0	151,787	1.6	18.42	-	18.42	-	-	-
1988	-	-	-	-	-	-	-	-	223	86.4	151,577	1.8	12.77	11.90	12.65	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Southern Illinois Power Coop																
1985	-	-	-	-	-	-	13,501	-	-	100	-	-	15,066	15,066	-	-
1986	-	-	-	-	-	-	15,673	-	-	100	-	-	14,922	14,922	-	-
1987	-	-	-	-	-	-	14,345	-	-	100	-	-	13,570	13,570	-	-
1988	-	-	-	-	-	-	14,666	-	-	100	-	-	11,539	11,539	-	-
1989	-	-	-	-	-	-	10,659	34	-	100	*	-	8,763	8,611	152	-
Southern Indiana Gas & Elec Co																
1985	29	1,015	3.91	-	3.91	-	41,845	58	29	100	*	*	67,520	67,042	367	111
1986	22	1,026	2.89	-	2.89	-	51,598	88	22	100	*	*	77,817	77,393	362	62
1987	28	1,025	2.77	-	2.77	-	51,655	69	28	100	*	*	75,995	75,625	293	77
1988	30	1,023	2.95	-	2.95	-	50,390	77	31	100	*	*	73,654	73,261	305	88
1989	52	1,025	2.78	-	2.78	-	57,624	81	53	100	*	*	82,350	81,834	372	144
Southwestern Electric Power Co																
1985	32,597	1,026	-	3.53	3.53	100.0	159,089	435	33,429	82	*	17	374,830	257,308	2,499	115,023
1986	23,283	1,013	-	2.79	2.79	100.0	146,785	218	23,577	86	*	14	308,905	243,356	634	64,916
1987	19,404	961	1.70	2.34	2.14	68.6	150,036	241	18,649	89	*	11	287,651	245,193	927	41,531
1988	21,894	972	1.96	2.52	2.29	59.1	145,452	188	21,274	87	*	13	308,685	257,547	893	50,245
1989	16,402	962	2.02	2.34	2.18	51.3	154,539	200	15,785	91	*	9	310,661	274,044	783	35,834
Southwestern Public Service Co																
1985	44,466	998	3.51	3.42	3.45	65.9	123,350	-	44,393	74	-	26	348,723	195,361	-	153,362
1986	27,929	1,024	3.26	3.49	3.45	82.8	120,508	-	28,587	81	-	19	298,887	202,607	-	96,280
1987	25,594	1,012	1.69	2.45	2.30	81.0	127,256	-	25,897	83	-	17	276,836	217,859	-	58,977
1988	27,588	1,012	1.75	2.13	2.03	73.2	138,894	12	27,909	83	*	17	283,322	227,411	42	55,869
1989	35,389	1,021	1.79	2.33	2.07	51.9	142,636	125	36,118	80	*	20	308,468	234,627	479	73,362
Springfield City of (MO)																
1985	137	1,016	3.00	-	3.00	-	11,244	-	139	99	-	1	15,039	14,628	-	411
1986	111	1,021	2.62	-	2.62	-	18,191	-	113	99	-	1	22,110	21,821	-	290
1987	153	1,007	3.05	-	3.05	-	15,983	-	154	99	-	1	19,308	18,842	-	465
1988	279	1,000	2.70	-	2.70	-	19,782	-	279	99	-	1	25,329	24,575	-	754
1989	148	1,005	1.92	-	1.92	-	17,589	-	149	99	-	1	22,513	22,229	-	284
Springfield City of (IL)																
1985	-	-	-	-	-	-	14,521	-	-	100	-	-	29,007	29,007	-	-
1986	-	-	-	-	-	-	16,294	-	-	100	-	-	26,782	26,782	-	-
1987	-	-	-	-	-	-	17,486	-	-	100	-	-	27,722	27,722	-	-
1988	-	-	-	-	-	-	18,546	-	-	100	-	-	30,099	30,099	-	-
1989	-	-	-	-	-	-	18,820	-	-	100	-	-	24,247	24,247	-	-
St Joseph Light & Power Co																
1985	191	985	2.95	-	2.95	-	2,702	41	188	92	1	6	4,679	3,927	187	564
1986	175	969	2.61	-	2.61	-	2,606	-	169	94	-	6	4,201	3,745	-	456
1987	320	980	2.78	-	2.78	-	2,708	255	313	83	8	10	5,197	3,713	595	890
1988	176	983	2.56	-	2.56	-	4,563	342	173	90	7	3	7,269	6,131	687	451
1989	194	1,030	2.67	-	2.67	-	4,400	434	199	87	9	4	7,459	6,008	935	516
Sunflower Electric Power Corp																
1985	95	813	-	1.93	1.93	100.0	14,787	-	77	99	-	1	22,160	21,977	-	183
1986	64	760	-	1.39	1.39	100.0	13,223	-	49	100	-	*	19,309	19,220	-	89
1987	92	762	-	1.39	1.39	100.0	14,943	-	70	100	-	*	15,885	15,757	-	127
1988	113	762	-	1.39	1.39	100.0	16,694	-	86	99	-	1	16,554	16,398	-	156
1989	88	774	-	1.20	1.20	100.0	19,193	-	68	100	-	*	17,941	17,835	-	106
Tallahassee City of																
1985	10,853	1,046	3.24	-	3.24	-	-	180	11,353	-	2	98	35,865	-	651	35,213
1986	12,381	1,035	2.29	-	2.29	-	-	2,730	12,819	-	18	82	33,303	-	4,993	28,311
1987	11,685	1,037	2.80	-	2.80	-	-	428	12,113	-	3	97	34,012	-	1,238	32,774
1988	13,049	1,037	2.33	-	2.33	-	-	1,419	13,532	-	9	91	33,244	-	2,819	30,424
1989	14,460	1,041	2.65	-	2.65	-	-	-	15,047	-	-	100	38,271	-	-	38,271

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Tampa Electric Co																		
1985	5,864	85.8	11,936	8.5	2.2	47.53	35.73	45.86	418	94.8	151,348	0.9	25.25	24.51	25.22	213	138,725	32.66
1986	5,632	82.1	12,111	8.1	2.2	47.74	37.56	45.91	-	-	-	-	-	-	-	224	138,278	18.94
1987	6,947	75.1	12,266	8.0	2.1	47.55	35.15	44.46	-	-	-	-	-	-	-	186	138,514	22.70
1988	6,749	81.9	12,282	7.8	2.2	46.26	29.82	43.28	-	-	-	-	-	-	-	101	138,982	20.44
1989	6,674	69.3	12,378	7.7	2.1	47.72	31.69	42.80	-	-	-	-	-	-	-	233	138,314	25.78
Taunton City of																		
1985	-	-	-	-	-	-	-	-	307	100.0	149,551	1.8	26.69	-	26.69	-	-	-
1986	-	-	-	-	-	-	-	-	199	100.0	150,313	1.6	16.84	-	16.84	-	-	-
1987	-	-	-	-	-	-	-	-	397	100.0	148,796	1.9	18.50	-	18.50	-	-	-
1988	-	-	-	-	-	-	-	-	319	100.0	148,907	1.8	14.82	-	14.82	-	-	-
1989	-	-	-	-	-	-	-	-	345	100.0	149,698	1.5	16.89	-	16.89	-	-	-
Tennessee Valley Authority																		
1985	28,655	80.8	11,667	11.4	2.3	37.00	30.93	35.84	-	-	-	-	-	-	-	232	137,795	34.34
1986	36,606	74.0	11,810	10.8	2.2	34.79	28.73	33.21	-	-	-	-	-	-	-	233	137,946	20.18
1987	35,639	69.4	11,775	11.2	2.4	32.95	29.25	31.82	-	-	-	-	-	-	-	218	138,122	23.35
1988	32,774	83.6	11,826	11.1	2.4	32.34	25.46	31.21	-	-	-	-	-	-	-	200	138,030	21.23
1989	33,474	76.0	11,679	11.4	2.6	31.31	25.99	30.04	-	-	-	-	-	-	-	195	137,884	23.90
Texas Municipal Power Agency																		
1985	2,955	100.0	4,633	26.3	1.0	13.92	-	13.92	-	-	-	-	-	-	-	19	141,000	30.75
1986	2,963	90.6	4,746	24.9	.9	14.62	14.38	14.60	-	-	-	-	-	-	-	5	141,000	17.60
1987	3,282	99.3	4,778	24.8	1.0	13.81	26.03	13.89	-	-	-	-	-	-	-	12	141,000	21.89
1988	3,445	98.0	4,747	25.0	1.1	13.17	23.49	13.37	-	-	-	-	-	-	-	5	141,000	21.22
1989	3,628	100.0	4,595	26.4	1.3	13.38	-	13.38	-	-	-	-	-	-	-	11	141,000	28.36
Texas Utilities Electric Co																		
1985	29,878	100.0	6,522	14.5	.6	12.47	-	12.47	[2] 251	88.8	148,000	.5	29.77	30.83	29.88	446	138,000	32.60
1986	30,408	100.0	6,476	14.6	.7	12.59	-	12.59	[2] 45	-	148,000	.5	-	29.88	29.88	161	138,000	25.12
1987	29,026	100.0	6,393	15.2	.7	13.54	-	13.54	[2] 8	-	143,294	.5	-	27.97	27.97	237	138,000	22.71
1988	29,726	100.0	6,526	15.0	.7	12.31	-	12.31	[2] 150	82.7	148,000	.5	22.99	29.72	24.15	186	138,000	20.11
1989	30,535	100.0	6,493	15.0	.8	11.84	-	11.84	[2] 394	18.1	148,000	.5	18.83	16.58	16.99	1,374	138,000	24.14
Toledo Edison Co																		
1985	1,673	75.2	13,039	6.6	1.2	57.15	43.23	53.70	-	-	-	-	-	-	-	4	137,207	34.35
1986	1,683	73.4	13,223	6.8	1.1	56.94	39.90	52.40	-	-	-	-	-	-	-	*	137,584	28.35
1987	1,522	80.6	13,227	6.6	1.2	55.23	39.38	52.16	-	-	-	-	-	-	-	2	138,100	23.68
1988	1,338	89.4	13,179	6.7	1.2	55.07	40.20	53.49	-	-	-	-	-	-	-	3	136,135	22.62
1989	1,239	96.2	13,085	7.0	1.2	49.99	46.77	49.87	-	-	-	-	-	-	-	19	137,512	24.09
Tucson Electric Power Co																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	225	100.0	10,151	11.4	.4	52.03	-	52.03	-	-	-	-	-	-	-	-	-	-
1988	348	100.0	10,300	11.7	.4	54.54	-	54.54	-	-	-	-	-	-	-	-	-	-
1989	271	100.0	10,183	13.1	.5	55.67	-	55.67	-	-	-	-	-	-	-	-	-	-
Union Electric Co																		
1985	10,495	93.7	11,148	9.3	2.0	35.16	33.37	35.05	259	100.0	151,548	1.8	25.40	-	25.40	20	137,000	32.71
1986	9,705	98.0	11,199	9.3	2.0	36.75	30.81	36.63	227	100.0	150,558	1.8	14.66	-	14.66	33	137,000	19.59
1987	9,609	98.3	11,092	9.4	1.9	36.33	30.89	36.24	225	100.0	151,485	1.8	15.39	-	15.39	70	137,000	24.94
1988	10,598	99.3	10,791	8.9	1.7	34.37	27.58	34.32	187	100.0	153,535	1.8	11.95	-	11.95	68	137,000	20.27
1989	11,343	88.6	10,772	8.8	1.9	33.04	29.58	32.64	-	-	-	-	-	-	-	43	137,000	27.56
United Illuminating Co																		
1985	774	100.0	13,158	6.8	.5	61.81	-	61.81	5,386	87.2	150,496	.9	27.13	25.27	26.89	7	137,607	35.24
1986	817	100.0	13,172	6.8	.5	59.83	-	59.83	5,864	84.0	149,862	1.0	15.96	13.48	15.56	8	139,132	20.31
1987	770	100.0	13,134	6.7	.5	63.56	-	63.56	5,967	73.8	150,471	.9	18.32	17.88	18.21	7	138,862	23.55
1988	830	95.7	13,139	6.3	.5	60.64	47.53	60.07	6,454	82.8	150,639	1.0	14.65	13.95	14.53	10	138,046	21.46
1989	875	90.3	13,308	6.1	.5	57.82	48.13	56.88	6,377	70.3	150,878	1.0	17.54	17.48	17.52	7	139,048	23.68

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 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Tampa Electric Co																
1985	-	-	-	-	-	-	139,991	3,900	-	97	3	-	286,419	268,914	17,504	-
1986	-	-	-	-	-	-	136,411	1,303	-	99	1	-	262,829	258,577	4,251	-
1987	-	-	-	-	-	-	170,437	1,083	-	99	1	-	313,100	308,875	4,225	-
1988	-	-	-	-	-	-	165,775	589	-	100	*	-	294,156	292,095	2,061	-
1989	-	-	-	-	-	-	165,207	1,356	-	99	1	-	291,665	285,648	6,018	-
Taunton City of																
1985	-	-	-	-	-	-	-	1,928	-	-	100	-	8,192	-	8,192	-
1986	-	-	-	-	-	-	-	1,259	-	-	100	-	3,360	-	3,360	-
1987	165	1,031	2.93	-	2.93	-	-	2,482	170	-	94	6	7,834	-	7,349	485
1988	960	1,031	3.15	2.36	2.36	99.6	-	1,994	990	-	67	33	6,994	-	4,726	2,268
1989	1,168	1,031	-	3.00	3.00	100.0	-	2,170	1,204	-	64	36	9,327	-	5,828	3,499
Tennessee Valley Authority																
1985	-	-	-	-	-	-	668,639	1,340	-	100	*	-	1,034,907	1,026,957	7,949	-
1986	-	-	-	-	-	-	864,610	1,351	-	100	*	-	1,220,442	1,215,737	4,705	-
1987	-	-	-	-	-	-	839,313	1,267	-	100	*	-	1,139,032	1,133,934	5,098	-
1988	-	-	-	-	-	-	775,172	1,160	-	100	*	-	1,027,161	1,022,912	4,249	-
1989	-	-	-	-	-	-	781,907	1,130	-	100	*	-	1,010,135	1,005,471	4,664	-
Texas Municipal Power Agency																
1985	-	-	-	-	-	-	27,387	115	-	100	*	-	41,740	41,143	598	-
1986	-	-	-	-	-	-	28,126	28	-	100	*	-	43,337	43,254	83	-
1987	-	-	-	-	-	-	31,366	73	-	100	*	-	45,871	45,602	269	-
1988	-	-	-	-	-	-	32,707	28	-	100	*	-	46,174	46,072	102	-
1989	-	-	-	-	-	-	33,342	63	-	100	*	-	48,858	48,558	300	-
Texas Utilities Electric Co																
1985	402,540	1,040	3.64	3.54	3.54	100.0	389,726	4,144	418,569	48	1	52	1,819,896	372,678	22,032	1,425,187
1986	365,251	1,041	2.96	2.88	2.88	99.4	393,842	1,216	380,286	51	*	49	1,439,989	382,916	5,402	1,051,671
1987	359,910	1,044	2.87	2.67	2.67	100.0	371,114	1,428	375,756	50	*	50	1,359,704	392,974	5,632	961,098
1988	357,851	1,039	-	2.57	2.57	100.0	387,965	2,012	371,738	51	*	49	1,291,450	366,071	7,371	918,008
1989	352,438	1,039	-	2.63	2.63	100.0	396,505	10,411	366,358	51	1	47	1,329,234	361,462	39,857	927,915
Toledo Edison Co																
1985	94	1,010	-	5.26	5.26	100.0	43,619	23	95	100	*	*	90,457	89,826	137	493
1986	78	1,021	-	5.10	5.10	100.0	44,519	2	80	100	*	*	88,625	88,216	11	398
1987	31	1,028	-	4.87	4.87	100.0	40,277	10	32	100	*	*	79,609	79,415	43	151
1988	20	1,016	-	4.07	4.07	100.0	35,262	19	20	100	*	*	71,721	71,564	77	80
1989	21	1,028	-	4.09	4.09	100.0	32,427	110	22	100	*	*	62,340	61,794	460	86
Tucson Electric Power Co																
1985	4,383	1,042	-	4.24	4.24	100.0	-	-	4,566	-	-	100	18,590	-	-	18,590
1986	2,568	1,032	-	2.46	2.46	100.0	-	-	2,649	-	-	100	6,308	-	-	6,308
1987	3,186	1,032	-	2.36	2.36	100.0	4,572	-	3,287	58	-	42	19,232	11,718	-	7,514
1988	2,172	1,029	-	2.52	2.52	100.0	7,169	-	2,234	76	-	24	24,457	18,981	-	5,476
1989	1,654	1,033	-	2.64	2.64	100.0	5,519	-	1,709	76	-	24	19,447	15,086	-	4,362
Union Electric Co																
1985	341	1,040	4.56	-	4.56	-	234,002	1,764	355	99	1	*	376,630	367,843	7,233	1,554
1986	295	1,039	3.54	-	3.54	-	217,382	1,625	306	99	1	*	360,503	355,485	3,973	1,045
1987	574	1,030	3.39	-	3.39	-	213,167	1,834	591	99	1	*	355,359	348,207	5,208	1,944
1988	524	1,021	3.45	-	3.45	-	228,716	1,597	535	99	1	*	369,106	363,683	3,614	1,810
1989	387	1,017	3.21	-	3.21	-	244,373	247	394	100	*	*	372,701	370,276	1,185	1,241
United Illuminating Co																
1985	-	-	-	-	-	-	20,369	34,082	-	37	63	-	192,913	47,843	145,070	-
1986	99	1,039	2.33	-	2.33	-	21,523	36,957	103	37	63	*	140,542	48,882	91,429	231
1987	3,180	1,031	2.77	-	2.77	-	20,227	37,750	3,277	33	62	5	166,555	48,940	108,804	8,811
1988	46	1,030	2.58	-	2.58	-	21,810	40,888	47	35	65	*	143,966	49,860	93,987	119
1989	2,293	1,030	2.58	-	2.58	-	23,289	40,451	2,362	35	61	4	167,586	49,770	111,910	5,907

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
United Power Assn																		
1985	1,112	100.0	6,826	9.6	0.7	13.63	-	13.63	-	-	-	-	-	-	-	-	-	-
1986	1,127	100.0	6,726	9.1	.6	13.28	-	13.28	-	-	-	-	-	-	-	-	-	-
1987	1,044	100.0	6,697	9.9	.6	13.62	-	13.62	-	-	-	-	-	-	-	-	-	-
1988	1,120	100.0	6,698	9.4	.6	13.83	-	13.83	-	-	-	-	-	-	-	-	-	-
1989	973	100.0	6,830	9.5	.9	13.61	-	13.61	-	-	-	-	-	-	-	-	-	-
Upper Peninsula Generating Co																		
1985	1,270	-	11,417	7.9	.7	-	41.88	41.88	-	-	-	-	-	-	-	-	-	-
1986	761	-	12,669	9.2	.9	-	40.78	40.78	-	-	-	-	-	-	-	-	-	-
1987	1,425	-	9,981	7.3	.6	-	39.21	39.21	-	-	-	-	-	-	-	-	-	-
Utah Power & Light Co																		
1985	8,846	64.9	11,269	9.0	.6	29.70	31.02	30.16	-	-	-	-	-	-	-	68	140,000	33.82
1986	7,064	91.1	11,043	10.4	.6	28.99	33.48	29.39	-	-	-	-	-	-	-	44	140,000	20.35
1987	8,197	100.0	11,112	9.7	.5	24.65	-	24.65	-	-	-	-	-	-	-	45	140,000	24.57
1988	9,428	100.0	10,913	10.4	.6	22.67	-	22.67	-	-	-	-	-	-	-	38	140,000	23.36
Vero Beach City of																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	138,000	30.66
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vineland City of																		
1985	87	100.0	12,848	9.6	.9	52.43	-	52.43	51	100.0	150,080	1.6	27.40	-	27.40	7	139,451	36.81
1986	46	100.0	12,919	10.0	1.0	49.30	-	49.30	74	100.0	148,833	1.5	15.72	-	15.72	12	137,233	18.17
1987	77	100.0	12,618	8.4	.8	49.40	-	49.40	155	100.0	150,530	1.0	18.89	-	18.89	20	136,770	23.60
1988	84	100.0	12,959	8.6	.9	47.97	-	47.97	126	100.0	150,620	.9	16.29	-	16.29	20	135,758	20.01
1989	68	100.0	12,976	7.6	.8	52.80	-	52.80	93	100.0	150,533	.9	18.85	-	18.85	33	140,722	25.53
Virginia Electric & Power Co																		
1985	7,501	71.7	12,506	11.4	1.4	42.05	42.55	42.19	1,586	100.0	148,973	.8	27.32	-	27.32	292	140,000	33.27
1986	8,857	67.0	12,623	11.0	1.3	40.34	33.18	37.97	3,487	81.0	148,102	.8	12.98	13.05	12.99	267	140,000	20.37
1987	10,655	54.7	12,632	10.8	1.3	38.06	34.63	36.50	5,273	87.3	147,589	.8	19.08	18.36	18.99	311	140,000	22.85
1988	9,060	62.5	12,622	10.7	1.3	38.79	32.89	36.58	2,991	67.6	147,697	1.1	14.29	14.24	14.27	209	140,000	20.75
1989	11,258	54.1	12,510	11.1	1.3	38.32	34.49	36.56	5,907	59.4	146,693	1.0	16.57	17.99	17.15	311	140,000	23.78
West Penn Power Co																		
1985	4,741	92.3	12,609	10.8	2.2	37.11	27.58	36.37	-	-	-	-	-	-	-	33	141,000	35.88
1986	5,039	91.6	12,752	10.0	2.2	35.98	25.38	35.10	-	-	-	-	-	-	-	31	141,000	23.86
1987	5,412	91.5	12,646	10.5	2.3	35.46	24.26	34.51	-	-	-	-	-	-	-	22	141,000	24.72
1988	5,008	91.8	12,621	10.5	2.3	33.83	23.18	32.95	-	-	-	-	-	-	-	26	141,000	23.73
1989	5,935	92.9	12,625	10.4	2.1	34.39	26.93	33.86	-	-	-	-	-	-	-	27	141,000	25.89
West Texas Utilities Co																		
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	719	100.0	8,269	4.9	.3	27.01	-	27.01	-	-	-	-	-	-	-	51	133,990	16.99
1987	1,856	100.0	8,278	5.1	.3	27.79	-	27.79	-	-	-	-	-	-	-	59	135,039	21.94
1988	2,053	88.3	8,377	5.0	.4	29.53	23.14	28.79	-	-	-	-	-	-	-	61	138,785	18.76
1989	2,459	83.0	8,317	5.0	.4	30.38	22.82	29.10	-	-	-	-	-	-	-	44	140,074	30.54
Western Farmers Elec Coop Inc																		
1985	1,063	100.0	8,332	5.6	.4	28.70	-	28.70	-	-	-	-	-	-	-	-	-	-
1986	697	100.0	8,304	5.8	.5	28.20	-	28.20	-	-	-	-	-	-	-	5	140,000	15.07
1987	950	94.2	8,626	5.9	.5	29.19	50.40	30.42	-	-	-	-	-	-	-	-	-	-
1988	1,684	100.0	8,818	5.3	.3	29.85	-	29.85	-	-	-	-	-	-	-	-	-	-
1989	1,644	100.0	8,467	5.4	.4	29.93	-	29.93	-	-	-	-	-	-	-	-	-	-
Western Massachusetts Elec Co																		
1985	-	-	-	-	-	-	-	-	542	83.5	150,222	1.6	27.28	25.62	27.00	14	137,611	33.75
1986	-	-	-	-	-	-	-	-	926	100.0	150,371	1.7	16.41	-	16.41	16	137,960	20.24
1987	-	-	-	-	-	-	-	-	582	87.3	150,384	1.6	17.67	17.27	17.62	16	138,099	22.83
1988	-	-	-	-	-	-	-	-	1,047	87.8	150,192	1.3	15.07	15.70	15.15	18	138,063	19.91
1989	-	-	-	-	-	-	-	-	545	87.1	149,558	1.0	19.37	17.45	19.12	21	138,245	25.06

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
United Power Assn																
1985	-	-	-	-	-	-	15,176	-	-	100	-	-	15,149	15,149	-	-
1986	-	-	-	-	-	-	15,161	-	-	100	-	-	14,966	14,966	-	-
1987	-	-	-	-	-	-	13,990	-	-	100	-	-	14,222	14,222	-	-
1988	-	-	-	-	-	-	15,005	-	-	100	-	-	15,488	15,488	-	-
1989	-	-	-	-	-	-	13,285	-	-	100	-	-	13,235	13,235	-	-
Upper Peninsula Generating Co																
1985	-	-	-	-	-	-	28,999	-	-	100	-	-	53,191	53,191	-	-
1986	-	-	-	-	-	-	19,282	-	-	100	-	-	31,037	31,037	-	-
1987	-	-	-	-	-	-	28,445	-	-	100	-	-	55,870	55,870	-	-
Utah Power & Light Co																
1985	254	1,058	4.50	-	4.50	-	199,372	400	269	100	*	*	270,252	266,810	2,300	1,142
1986	147	1,027	4.00	-	4.00	-	156,021	259	151	100	*	*	209,070	207,586	895	588
1987	95	1,022	3.44	-	3.44	-	182,177	265	97	100	*	*	203,521	202,089	1,106	326
1988	185	1,026	3.78	-	3.78	-	205,783	223	190	100	*	*	215,285	213,699	888	698
Vero Beach City of																
1985	1,138	1,056	3.31	-	3.31	-	-	-	1,202	-	-	100	3,763	-	-	3,763
1986	936	1,056	2.26	-	2.26	-	-	10	988	-	1	99	2,174	-	55	2,119
1987	894	1,056	2.98	-	2.98	-	-	-	944	-	-	100	2,666	-	-	2,666
1988	1,683	1,056	2.52	2.50	2.52	9.7	-	-	1,777	-	-	100	4,234	-	-	4,234
1989	2,277	1,031	-	2.70	2.70	100.0	-	-	2,347	-	-	100	6,154	-	-	6,154
Vineland City of																
1985	-	-	-	-	-	-	2,230	365	-	86	14	-	6,219	4,550	1,668	-
1986	-	-	-	-	-	-	1,196	530	-	69	31	-	3,659	2,283	1,376	-
1987	-	-	-	-	-	-	1,938	1,098	-	64	36	-	7,206	3,794	3,412	-
1988	-	-	-	-	-	-	2,178	915	-	70	30	-	6,496	4,031	2,465	-
1989	-	-	-	-	-	-	1,754	782	-	69	31	-	6,160	3,568	2,592	-
Virginia Electric & Power Co																
1985	[3] 1,333	1,039	3.57	-	3.57	-	187,613	11,640	1,385	94	6	1	374,273	316,459	53,052	4,762
1986	[3] 743	1,052	2.03	-	2.03	-	223,603	23,260	782	90	9	*	388,587	336,341	50,738	1,508
1987	[3] 2,404	1,039	2.52	-	2.52	-	269,183	34,515	2,497	88	11	1	502,221	388,936	107,234	6,051
1988	[3] 700	1,054	2.16	-	2.16	-	228,707	19,780	738	92	8	*	379,910	331,377	47,021	1,512
1989	[3] 3,517	1,041	2.58	-	2.58	-	281,678	38,228	3,663	87	12	1	529,377	411,588	108,707	9,082
West Penn Power Co																
1985	49	1,000	5.08	-	5.08	-	119,565	196	49	100	*	*	173,900	172,459	1,189	251
1986	72	1,000	5.04	-	5.04	-	128,499	183	72	100	*	*	177,930	176,831	738	361
1987	56	1,000	4.92	-	4.92	-	136,878	131	56	100	*	*	187,611	186,787	547	277
1988	52	1,000	4.47	-	4.47	-	126,424	156	52	100	*	*	165,907	165,051	624	232
1989	75	1,000	4.23	-	4.23	-	149,865	160	75	100	*	*	201,964	200,948	699	317
West Texas Utilities Co																
1985	35,945	1,007	3.76	1.45	2.59	50.6	-	-	36,209	-	-	100	93,068	-	-	93,068
1986	39,340	1,017	2.60	.82	1.98	35.1	11,891	287	39,994	23	1	77	98,041	19,418	866	77,757
1987	36,559	1,024	2.14	.41	1.54	34.4	30,729	332	37,452	45	*	55	109,335	51,583	1,283	56,468
1988	37,822	1,020	2.36	.27	1.71	31.0	34,397	355	38,587	47	*	53	124,958	59,100	1,141	64,717
1989	31,446	1,037	2.27	2.01	2.25	6.7	40,902	258	32,616	55	*	44	143,583	71,543	1,338	70,702
Western Farmers Elec Coop Inc																
1985	1,929	1,042	2.77	2.72	2.75	48.2	17,721	-	2,009	90	-	10	35,814	30,517	-	5,297
1986	2,715	1,047	1.56	2.09	1.81	47.1	11,569	31	2,842	80	*	20	24,641	19,640	80	4,921
1987	5,182	1,039	1.46	1.58	1.49	27.6	16,388	-	5,386	75	-	25	36,637	28,897	-	7,740
1988	3,221	1,049	1.47	1.96	1.57	21.2	29,690	-	3,378	90	-	10	55,320	50,251	-	5,069
1989	2,011	1,057	1.64	2.18	1.80	29.6	27,844	-	2,125	93	-	7	52,829	49,212	-	3,617
Western Massachusetts Elec Co																
1985	3,111	1,028	3.77	-	3.77	-	-	3,499	3,199	-	52	48	26,837	-	15,103	11,734
1986	830	1,027	2.03	-	2.03	-	-	5,937	852	-	87	13	17,192	-	15,506	1,687
1987	3,692	1,025	2.51	-	2.51	-	-	3,767	3,785	-	50	50	19,874	-	10,615	9,258
1988	1,311	1,037	2.13	-	2.13	-	-	6,708	1,359	-	83	17	19,004	-	16,216	2,787
1989	1,940	1,031	2.48	-	2.48	-	-	3,548	2,001	-	64	36	15,770	-	10,956	4,814

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

Table 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost in Dollars per Ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Rcvd	Btu per Gal	Av. Cost $/Bbl
	1,000 Short Tons	% on Contract	Btu per Lb	Ash Wt Pct	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls	% on Contract	Btu per Gal	Sulf Wt Pct	Contract	Spot	Total	1,000 bbls		
Wisconsin Electric Power Co																		
1985	5,733	90.2	10,402	6.8	1.4	34.32	25.94	33.50	-	-	-	-	-	-	-	171	138,520	31.83
1986	6,492	63.6	9,812	6.0	.9	32.46	24.60	29.60	-	-	-	-	-	-	-	125	138,123	21.10
1987	6,668	84.6	9,771	6.2	.8	26.09	18.55	24.92	-	-	-	-	-	-	-	50	137,747	23.06
1988	8,919	98.0	9,906	6.2	.7	26.73	15.61	26.51	-	-	-	-	-	-	-	77	137,100	21.20
1989	8,966	99.3	9,924	6.2	.7	25.29	36.68	25.37	-	-	-	-	-	-	-	75	138,015	23.74
Wisconsin Power & Light Co																		
1985	5,964	77.7	9,327	7.6	1.0	31.52	30.41	31.27	-	-	-	-	-	-	-	-	-	-
1986	6,024	66.0	9,309	6.9	.8	30.86	27.09	29.58	-	-	-	-	-	-	-	-	-	-
1987	5,784	83.5	9,307	7.0	.9	29.76	28.14	29.49	-	-	-	-	-	-	-	-	-	-
1988	5,684	87.6	9,438	7.0	.9	30.81	28.17	30.48	-	-	-	-	-	-	-	-	-	-
1989	5,669	86.6	9,396	7.0	.8	31.25	28.05	30.82	-	-	-	-	-	-	-	-	-	-
Wisconsin Public Service Corp																		
1985	1,691	100.0	9,968	5.9	.9	39.61	-	39.61	-	-	-	-	-	-	-	31	138,000	31.38
1986	1,937	93.6	9,939	6.4	1.0	39.28	27.24	38.52	-	-	-	-	-	-	-	34	138,000	20.10
1987	1,957	89.6	9,713	6.7	1.0	38.51	27.93	37.40	-	-	-	-	-	-	-	26	138,000	22.55
1988	2,150	73.6	10,097	6.8	1.1	38.38	32.00	36.70	-	-	-	-	-	-	-	23	138,000	20.68
1989	2,155	76.8	9,889	6.8	1.0	40.22	30.99	38.08	-	-	-	-	-	-	-	9	138,000	23.52
Wyandotte Municipal Serv Comm																		
1986	91	100.0	13,398	6.1	.7	51.55	-	51.55	-	-	-	-	-	-	-	-	-	-
1987	90	100.0	13,270	7.1	.7	48.31	-	48.31	-	-	-	-	-	-	-	-	-	-
1988	126	100.0	13,548	5.6	.7	51.48	-	51.48	-	-	-	-	-	-	-	-	-	-
1989	119	100.0	13,421	5.8	.7	51.30	-	51.30	-	-	-	-	-	-	-	-	-	-

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Received		Average Quality			Average Cost dollars per ton			Quantity Received		Average Quality		Average Cost in Dollars per bbl			Quantity Received	Btu per Gal	av. Cost $ bbl
	1,000 Short Tons	% on Contr	Btu per Lb	Ash wt pct	Sulf wt pct	Contr	Spot	Total	1,000 bbls	% on Contr	Btu per Gal	Sulf wt pct	Contr	Spot	Total	1,000 bbls		
1985	667,044	88.8	10,482	10.0	1.4	34.63	33.74	34.53	156,410	88.3	149,948	1.1	26.94	25.07	26.73	8,537	138,540	33.65
1986	687,323	87.5	10,545	10.0	1.4	33.51	31.80	33.29	220,585	75.2	149,821	1.1	15.43	14.14	15.11	7,936	138,664	20.62
1987	721,597	84.6	10,570	10.0	1.4	32.01	30.86	31.83	187,300	79.2	151,155	1.0	19.04	18.32	18.89	7,278	138,754	23.34
1988	728,163	86.2	10,453	9.9	1.3	30.86	29.30	30.64	230,234	71.4	149,948	.9	15.22	14.95	15.15	6,690	138,566	21.61
1989	753,749	82.4	10,427	9.9	1.3	30.35	29.03	30.12	237,668	74.0	149,952	1.0	18.01	17.69	17.92	8,754	138,542	24.90

* = Number less than 0.5

[1] May contain Petroleum Coke, Wood Chips, Refuse or Coke Breeze

[2] May contain No. 4 Fuel Oil, No. 5 Fuel Oil, Crude Oil or Topped Crude

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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 52. Profile of Fossil-Fuel Receipts, 1985-1989 (Continued)

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Wisconsin Electric Power Co																
1985	-	-	-	-	-	-	119,283	997	-	99	1	-	197,514	192,062	5,452	-
1986	-	-	-	-	-	-	127,410	725	-	99	1	-	194,824	192,189	2,635	-
1987	-	-	-	-	-	-	130,303	289	-	100	*	-	167,334	166,181	1,153	-
1988	-	-	-	-	-	-	176,704	445	-	100	*	-	238,055	236,416	1,639	-
1989	312	1,000	2.73	-	2.73	-	177,957	434	312	100	*	*	230,045	227,415	1,776	854
Wisconsin Power & Light Co																
1985	48	1,003	4.31	-	4.31	-	111,266	-	48	100	-	*	186,726	186,518	-	208
1986	25	1,004	3.90	-	3.90	-	112,157	-	25	100	-	*	178,284	178,188	-	96
1987	222	991	3.77	-	3.77	-	107,665	-	220	100	-	*	171,416	170,579	-	837
1988	142	1,004	3.46	-	3.46	-	107,290	-	143	100	-	*	173,748	173,256	-	492
1989	13	1,010	2.99	-	2.99	-	106,532	-	13	100	-	*	174,776	174,737	-	39
Wisconsin Public Service Corp																
1985	26	1,008	4.03	4.12	4.04	15.2	33,706	180	26	99	1	*	68,050	66,970	976	104
1986	53	1,003	3.48	-	3.48	-	38,504	198	54	99	1	*	75,476	74,605	685	186
1987	123	1,001	3.39	-	3.39	-	38,016	149	123	99	*	*	74,198	73,201	580	417
1988	290	1,006	3.48	-	3.48	-	43,416	133	291	99	*	1	80,380	78,897	476	1,007
1989	551	1,004	3.10	-	3.10	-	42,621	52	553	99	*	1	83,972	82,052	212	1,708
Wyandotte Municipal Serv Comm																
1986	35	1,000	-	4.23	4.23	100.0	2,431	-	35	99	-	1	4,825	4,677	-	148
1987	257	1,000	-	3.73	3.73	100.0	2,390	-	257	90	-	10	5,310	4,351	-	959
1988	373	1,000	-	3.67	3.67	100.0	3,403	-	373	90	-	10	7,833	6,465	-	1,368
1989	4	1,000	3.70	3.70	3.70	46.3	3,207	-	4	100	-	*	6,144	6,129	-	15

Utility Year	Natural Gas						Total Quantity Received						Total Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Cost in Dollars per Mcf			Percent Firm/ Total	in Billion Btu			Percent of Total Btu			in $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
1985	2,808,921	1,038	4.11	3.20	3.58	59.0	13,983,349	1,038,221	2,915,817	78	6	16	37,559,091	23,035,894	4,480,800	10,042,397
1986	2,387,622	1,034	2.47	2.41	2.43	61.2	14,495,750	1,434,246	2,468,918	79	8	13	32,185,811	22,884,360	3,495,877	5,805,574
1987	2,605,191	1,032	2.32	2.30	2.31	51.5	15,254,844	1,231,490	2,687,832	80	6	14	32,696,540	22,968,495	3,708,480	6,019,566
1988	2,362,721	1,028	2.47	2.22	2.33	56.1	15,222,392	1,488,899	2,429,551	80	8	13	31,442,360	22,311,887	3,631,493	5,498,980
1989	2,472,506	1,028	2.50	2.34	2.42	49.4	15,719,132	1,547,765	2,541,582	79	8	13	33,166,322	22,703,026	4,477,763	5,985,532

[3] May Contain Coke Oven Gas, Blast Furnace Gas or Refinery Gas

Notes: • Totals may not equal sum of components because of independent rounding. • Data 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."

Appendix A

Coal Producing Districts and Electric Utilities Reporting on the FERC Form 423

Appendix A

Coal Producing Districts and Electric Utilities Reporting on the FERC Form 423

Table A1. Coal Producing Districts

District	States	Counties/Mines
District 1	Maryland	All mines in the State.
	Pennsylvania	All mines in the following counties: Bedford, Blair, Bradford, Cambria, Cameron, Centre, Clarion, Clearfield, Clinton, Elk, Forest, Fulton, Huntingdon, Jefferson, Lycoming, McKean, Mifflin, Potter, Somerset, and Tioga. Selected mines in the counties: Armstrong, County (part), all mines east of the Allegheny River, and those mines served by the Pittsburgh and Shawmut Railroad located on the west bank of the river; Fayette County (part), all mines located on and east of the line of Indian Creek Valley branch of the Baltimore and Ohio Railroad; Indiana County (part), all mines not served by the Saltsburg branch of the Consolidated Rail Corporation; and Westmoreland County (part), all mines served by the Consolidated Rail Corporation from Torrance, east.
	West Virginia	All mines in the following counties: Grant, Mineral, and Tucker.
District 2	Pennsylvania	All mines in the following counties: Allegheny, Beaver, Butler, Green, Lawrence, Mercer, Venango, and Washington. Selected mines in the following counties: Armstrong County (part), all mines west of the Allegheny River except those mines served by the Pittsburgh and Shawmut Railroad; Fayette County (part), all mines except those on and east of the line of Indian Creek Valley branch of the Baltimore and Ohio Railroad; Indiana County (part), all mines served by the Saltsburg branch of the Consolidated Rail Corporation; and Westmoreland County (part), all mines except those served by the Consolidated Rail Corporation from Torrence, east.
District 3	West Virginia	All mines in the following counties: Barbour, Braxton, Calhoun, Doddridge, Gilmer, Harrison, Jackson, Lewis, Marion, Monongalia, Pleasants, Preston, Randolph, Ritchie, Roane, Taylor, Tyler, Upshur, Webster, Wetzel, Wirt, and Wood. Selected mines in Nicholas County (part), all mines served by or north of the Baltimore and Ohio Railroad.
District 4	Ohio	All mines in the State.
District 5	Michigan	All mines in the State.
District 6	West Virginia	All mines in the following counties: Brooke, Hancock, Marshall, and Ohio.
District 7	Virginia	All mines in the following counties: Craig, Giles, Montgomery, Pulaski, and Wythe. Selected mines in the following counties: Buchanan County (part), all mines in that portion of the county served by the Richlands-Jewell Ridge branch of the Norfolk & Western Railroad and in that portion on the headwaters of Dismal Creek east of Lynn Camp Creek (a tributary of Dismal Creek); and Tazewell County (part), all mines in those portions of the county served by the Dry Fork branch to Cedar Bluff and from Bluestone Junction to Boissevain branch of the Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.
	West Virginia	All mines in the following counties:Greenbrier, Mercer, Monroe, Pocahontas, and Summers. Selected mines in the following counties: Fayette County (part), all mines east of Gauley River and all mines served by the Gauley River branch of the Chesapeake & Ohio Railroad and mines served by the Norfolk & Western Railroad; McDowell County (part), all mines in that portion of the county served by the Dry Fork branch of the Norfolk & Western Railroad and east thereof; Raleigh County (part), all mines except those on the Coal River branch of the Chesapeake & Ohio Railroad and north thereof; and Wyoming County (part), all mines in that portion served by the Guyandot branch of the Norfolk & Western Railroad lying east of the mouth of Skin Fork of Guyandot River and in that portion served by the Virginia division main line of the Norfolk & Western Railroad.
District 8	Kentucky	All mines in the following counties ineastern Kentucky: Bell, Boyd, Breathitt, Carter, Clay, Elliott, Estill, Floyd, Greenup, Harlan, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, McCreary, Magoffin, Martin, Morgan, Owsley, Perry, Pike, Pulaski, Rockcastle, Wayne, Whitley, and Wolfe.
	North Carolina	All mines in the State.
	Tennessee	All mines in the following counties:Anderson, Campbell, Claiborne, Cumberland, Fentress, Morgan, Overton, Roane, and Scott.
	Virginia	All mines in the following counties: Dickinson, Lee, Russell, Scott, and Wise. Selected mines in the following counties: Buchanan County (part), all mines in the county, except in that portion on the headwaters of Dismal Creek, east of Lynn Camp Creek (a tributary of Dismal Creek) and in that portion served by the Richlands-Jewell Ridge branch of the Norfolk & Western Railroad; and Tazewell County (part), all mines in the county except in those portions served by the Dry Fork branch of the Norfolk & Western Railroad and branch from Bluestone Junction to Boissevain of Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

Table A1. Coal Producing Districts (Continued)

District	States	Counties/Mines
	West Virginia	All mines in the following counties: Boone, Cabell, Clay, Kanawha, Lincoln, Logan, Mason, Mingo, Putnam, and Wayne. Selected mines in the following counties: Fayette County (part), all mines west of the Gauley River except mines served by the Gauley River branch of the Chesapeake & Ohio Railroad; McDowell County (part), all mines west of and not served by the Dry Fork branch of the Norfolk & Western Railroad; Nicholas County (part), all mines in that part of the county south of and not served by the Baltimore & Ohio Railroad; Raleigh County (part), all mines on the Coal River branch of the Chesapeake & Ohio Railroad and north thereof; and Wyoming County (part), all mines in that portion served by the Guyandot branch of the Norfolk & Western Railroad and lying west of the mouth of Skin Fork of Guyandot River.
District 9	Kentucky	All mines in the following counties in western Kentucky: Butler, Caldwell, Christian, Crittenden, Daviess, Grayson, Hancock, Henderson, Hopkins, Logan, McLean, Muhlenberg, Ohio, Simpson, Todd, Union, Warren, and Webster.
District 10	Illinois	All mines in the State.
District 11	Indiana	All mines in the State.
District 12	Iowa	All mines in the State.
District 13	Alabama	All mines in the State.
	Georgia	All mines in the State.
	Tennessee	All mines in the following counties: Bledsoe, Grundy, Hamilton, Marion, McMinn, Rhea, Sequatchie, Van Buren, Warren, and White.
District 14	Arkansas	All mines in the State.
	Oklahoma	All mines in the following counties: Haskell, Le Flore, and Sequoyah.
District 15	Kansas	All mines in the State.
	Missouri	All mines in the State.
	Oklahoma	All mines in the following counties: Coal, Craig, Latimer, McIntosh, Muskogee, Okmulgee, Pittsburg, Rogers, Tulsa, and Wagoner.
	Texas	All mines in the State.
District 16	Colorado	All mines in the following counties: Adams, Arapahoe, Boulder, Douglas, Elbert, El Paso, Jackson, Jefferson, Larimer, and Weld.
District 17	Colorado	All mines except those included in District 16.
	New Mexico	All mines except those included in District 18.
District 18	Arizona	All mines in the State.
	California	All mines in the State.
	New Mexico	All mines in the following counties:Grant, Lincoln, McKinley, Rio Arriba, Sandoval, San Juan, San Miguel, Santa Fe, and Socorro.
District 19	Idaho	All mines in the State.
	Wyoming	All mines in the State.
District 20	Utah	All mines in the State.
District 21	North Dakota	All mines in the State.
	South Dakota	All mines in the State.
District 22	Montana	All mines in the State.
District 23	Alaska	All mines in the State.
	Oregon	All mines in the State.
	Washington	All mines in the State.
District 24	Pennsylvania	All mines in the following counties: Carbon, Columbia, Dauphin, Lackawanna, Lebanon, Luzerne, Northumberland, Schuylkill, Sullivan, and Susquehanna. All anthracite mines in Bradford County.

Source: U.S. Department of Interior, Bureau of Mines.

Table A2. Electric Utilities Reporting on the FERC Form 423 by State

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

Table A2. Electric Utilities Reporting on the FERC Form 423 by State (Continued)

State	Electric Utility (Holding Company)
	Kansas City Power & Light Co
	Missouri Public Service Comm
	Sikeston City of
	Springfield City of
	St Joseph Light & Power Co
	Union Electric Co
Montana	Montana Power Co
	Montana-Dakota Utilities Co
Nebraska	Central Nebraska Pub P&I Dist
	Fremont City of
	Grand Island City of
	Hastings City of
	Nebraska Public Power District
	Omaha Public Power District
Nevada	Nevada Power Co
	Sierra Pacific Power Co
	Southern California Edison Co
New Hampshire	Public Service Co of NH
New Jersey	Atlantic City Electric Co
	Consolidated Edison Co-NY Inc
	Deepwater Operating Co (ACE)
	Jersey Central Power&Light Co (GPS)
	Public Service Electric&Gas Co
	Vineland City of
New Mexico	Arizona Public Service Co
	Plains Elec Gen&Trans Coop Inc
	Public Service Co of NM
	Southwestern Public Service Co
	Texas New Mexico Power Co
New York	Central Hudson Gas & Elec Corp
	Consolidated Edison Co-NY
	Jamestown City of
	Long Island Lighting Co
	New York State Elec & Gas Corp
	Niagara Mohawk Power Corp
	Orange and Rockland Utils Inc
	Power Authority of State of NY
	Rochester Gas & Electric
North Carolina	Carolina Power & Light Co
	Duke Power Co
North Dakota	Basin Electric Power Coop
	Coop Power Assn
	Minnkota Power Coop Inc
	Montana-Dakota Utilities Co
	United Power Assn
Ohio	Cardinal Operating Co (AEP)
	Cincinnati Gas & Electric Co
	Cleveland Electric Illum Co
	Columbus and Southern Ohio El Co
	Columbus City of
	Dayton Power & Light Co
	Hamilton City of
	Ohio Edison Co
	Ohio Power Co (AEP)
	Ohio Valley Electric Corp
	Painesville City of
	Toledo Edison Co
Oklahoma	Grand River Dam Authority
	Oklahoma Gas & Electric Co
	Public Service Co of Oklahoma (CSW)
	Western Farmers Elec Coop Inc
Oregon	Portland General Electric Co
Pennsylvania	Duquesne Light Co
	Metropolitan Edison Co (GPS)
	Pennsylvania Electric Co (GPS)
	Pennsylvania Power & Light Co
	Pennsylvania Power Company
	Philadelphia Electric Company
	West Penn Power Co (APS)
Rhode Island	New England Power Co (NEES)
South Carolina	Carolina Power & Light Co
	Duke Power Co
	South Carolina Electric&Gas Co
	South Carolina Pub Serv Auth
South Dakota	Otter Tail Power Co
Tennessee	Tennessee Valley Authority
Texas	Austin City of
	Brazos Electric Power Coop Inc
	Bryan City of
	Central Power & Light Co (CSW)
	Denton City of
	El Paso Electric Co
	Garland City of
	Greenville City of
	Gulf States Utilities Co
	Houston Lighting & Power Co
	Lower Colorado River Authority
	Lubbock City of
	Medina Electric Coop Inc
	San Antonio City of
	San Miguel Electric Coop Inc
	Southwestern Electric Power Company (CSW)
	Southwestern Public Service Co
	Texas Municipal Power Agency
	Texas Utilities Electric Co
	West Texas Utilities Co (CSW)
Utah	PacifiCorp
	Los Angeles City of
	Deseret Generation and Tran Coop
Virgina	Appalachian Power Co (AEP)
	Potomac Electric Power Co
	Virginia Electric & Power Co
Washington	PacifiCorp
West Virgina	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 City of
	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(88) (Washington DC, 1989).
2. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Electric Power Monthly,* DOE/EIA-0226 (Washington DC, 1990).
3. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Inventory of Power Plants in the United States,* DOE/EIA-0095(88) (Washington DC, 1989).
4. Energy Information Administration, Office of Energy Markets and End Use, *Monthly Energy Review,* DOE/EIA-0035 (Washington DC, 1990)

Appendix C

Technical Notes

Appendix C

Technical Notes

Sources of Data

The *Cost and Quality of Fuels for Electric Utility Plants - Annual (C&QA)* is prepared by the Electric Power Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA); U.S. Department of Energy (DOE). Statistics published in the *C&QA* 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"; and the Form EIA-767, "Steam-Electric Plant Operation and Design Report." A brief summary of these two forms is presented below.

FERC Form 423

The FERC Form 423 is a monthly record of received-fuel purchases, submitted by approximately 225 electric utilities for each fossil-fuel plant with a total generator nameplate capacity of 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 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 from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants.

Data Processing. A 6-month supply of the FERC Form 423 is mailed to respondents semiannually by the EIA. Completed forms are due on or before the 45th day following the end of the reporting month. Completed 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.

Form EIA-767

The Form EIA-767 is a mandatory restricted-universe census of all operators of plants with a total existing or planned fossil-fueled steam-electric nameplate capacity of 10 or more megawatts. The entire form, including nameplate capacity and environmental equipment, is filed by 700 power plants with a nameplate capacity of 100 or more megawatts. Power plants with a nameplate capacity between 10 and 100 megawatts submit information only on fuel consumption and flue gas desulfurization equipment. The Form EIA-767 is used to collect data annually on plant operations and equipment design (including boiler, generator, cooling system, flue gas desulfurization, flue gas particulate collectors, and stack data). Data from the Form EIA-767 are used for economic, regulatory, and environmental analyses conducted by the DOE, the FERC, the Environmental Protection Agency, and the Department of Commerce.

Instrument and Design History. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data. The Federal Power Commission (FPC) used the predecessor Form FPC-67, "Steam-Electric Plant Air and Water Quality Control Data," to collect data from 1969 to 1980, when the form was changed to the Form EIA-767. In 1982, the form was completely redesigned and renamed as the Form EIA-767, "Steam-Electric Plant Operation and Design Report." In 1986, the respondent universe of 700 was increased to 900 to include plants with a nameplate capacity from 10 to 100 megawatts. Respondents for these additional 200 plants complete only pages 1, 6, and, if applicable, 13 and 14.

Data Processing. The Form EIA-767 is mailed to respondents in January to collect data as of the end of the preceding calendar year. The completed forms are to be returned to the EIA by May 1. Data on equipment design for each respondent are preprinted from the applicable data base. Respondents are instructed to verify all preprinted data and to supply missing data. The data are manually edited before being keyed for automatic data processing. Computer programs containing additional edit checks are then run. Respondents are telephoned to obtain missing data.

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.

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

Where:

i denotes a plant
R_i = receipts for plant i
A_i = average heat content for receipts, plant i
U = unit conversion

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

Where:

i denotes a plant
R_i = receipts for plant i
A_i = average heat content for receipts, plant i

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

Where:

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

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

Where:

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 *.

Data Correction Procedure

The CNEAF office has adopted the following policy with respect to the revision and correction of data published in energy data reports and made available in a machine format:

1. All data collected by this office (excluding secondary source data) will be published as preliminary data when first appearing in an energy data report.
2. The next publication of the data will be in final form at which point the data base is closed.
3. Revisions or corrections will be made only in the event a substantial (greater than 1 percent) reporting change is received or a substantial (greater than 1 percent) error is discovered.
4. Revisions or corrections to published secondary source data will be made if and when the organization from which the data were received revises or corrects the data.
5. No revisions will be made without the approval of the Director, Electric Power Division.

A comparison of preliminary data published in the *Electric Power Monthly* versus final published data is provided in Table C1.

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.

Table C1. Comparison of Preliminary Versus Final Published Data at the National Level, 1989

Item	Preliminary	Final	Percent Change
Receipts			
Coal (1,000 short tons)	753,103	753,217	0.02
Petroleum (1,000 barrels)	246,286	246,422	.06
Gas (million cubic feet)	2,472,252	2,472,506	.01
Average Cost (cents per million Btu)			
Coal	144.5	144.5	0
Petroleum	289.3	289.3	0
Gas	235.5	235.5	0

Note: Percent change is calculated before rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

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-541
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, Master Card, 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: Anthracite, or hard coal, is the highest rank of economically useable coal. It is jet black with a high luster. The moisture content generally is less than 15 percent. Anthracite contains approximately 22 to 28 million Btu per ton as received and averages about 25 million Btu per ton. Its ignition temperature is approximately 925 to 970 degrees Fahrenheit. Virtually all of the anthracite mined is from northeastern Pennsylvania. It is used mostly for space heating and generating electricity.

Bbl: The abbreviation for barrel. (See Barrel.)

Bcf: The abbreviation for one billion cubic feet.

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

Bituminous Coal: Bituminous coal, or soft coal, is the most common coal. It is dense, black, often with well-defined bands of bright and dull material. Its moisture content usually is less than 20 percent. The heating value ranges from 19 to 30 million Btu per ton as received and averages about 24 million Btu per ton. The ignition temperature ranges from about 700 to almost 900 degrees Fahrenheit. Bituminous coal is mined chiefly in the Appalachian and Interior coal fields. It is used for generating electricity, making coke, and space heating.

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.

Btu Content of Fuel (Average): The average heat value per unit quantity of fuel expressed in Btu as determined from tests of fuel samples or defined by contract specifications. (Example: Btu per pound of coal, Btu per gallon of oil, and Btu per cubic foot of gas.)

Capacity: The amount of electric power delivered or required for which a generator, turbine, transformer, transmission circuit, station, or system is rated by the manufacturer. (See Generator Nameplate Capacity.)

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. In some cases, 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 (of 42 U.S. gallons each) per short ton.

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

Contract Cost: 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 Price (Fuel): The price (and quantities) of fuels marketed through contracts usually covering a supply period of 1 or more years. The prices set in the contract reflect the market conditions at the time the contract is negotiated. These prices should hold throughout the life of the contract, unless adjustments are authorized through price and/or cost escalation clauses. (See Price.)

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. Fixed costs in the electric utility industry are associated with resources that cannot be changed easily during a short time span (such as plant and equipment) and are independent of the level of generation. Variable costs are associated with resources that can vary during a given time period (such as fuel or labor services) and are directly related to the level of generation.

Cost (Cents per Million Btu): The value of the fuel is measured by computing the cents per million Btu of the fuel to be consumed. The fuel is then purchased on the basis of its heat content. The calculation is done by taking the total cost of fuel and dividing it by the fuel's Btu content; the quotient is then multiplied by 1 million.

Cost (Dollars per Bbl): The monetary amount paid for the good acquired, quoted in dollars per unit barrel.

Cost (Dollars per Mcf): The monetary amount paid for the good acquired, quoted in dollars per thousand cubic feet.

Cost (Dollars per Ton): The monetary amount paid for the good acquired, quoted in dollars per unit ton.

Cost (Fuel): The monetary amount or the value of consideration-in-kind in goods and services given by the buyer to the seller to acquire fuel.

Crude Oil (including Lease Condensate): A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and that remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and shale oil. Drip gases are also included, but topped crude oil (residual oil) and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. (See Petroleum.)

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 products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

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

Electric Utility: A corporation, person, agency, authority, or other legal entity or instrumentality that owns and/or operates facilities within the United States, its territories, or Puerto Rico for the generation, transmission, distribution, or sale of electric energy, primarily for use by the public. An entity that solely operates qualifying facilities under the Public Utility Regulatory Policies Act of 1978 is not considered an electric utility.

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. Elec-

trical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units. (See Energy Source.)

Energy Information Administration (EIA): An independent agency with the U.S. Department of Energy that 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. (See Energy Source.)

Energy Source: The primary source that provides the power that is converted to electricity through chemical, mechanical, or other means. Energy sources include coal, petroleum and petroleum products, gas, water, uranium, wind, sunlight, geothermal, and other sources.

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

Federal Power Commission: The predecessor agency of the Federal Energy Regulatory Commission. The Federal Power Commission 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. It was abolished on September 30, 1977, when the Department of Energy was created. Its functions were divided between the Department of Energy and the Federal Energy Regulatory Commission, an independent regulatory agency. (See Federal Energy Regulatory Commission.)

FERC Form 423: The "Monthly Report of Cost and Quality of Fuels for Electric Plants," which collects data on the cost, quality, and sources of fuel. Approximately 225 electric utilities report for each fossil-fueled plant having a total steam generating capacity of 50 or more megawatts.

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.

Fossil Fuel: Any naturally occurring organic fuel, such as coal, crude oil, 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: Includes natural gas, coke-oven gas, blast-furnace gas, and refinery gas. Manufactured gas is reported as natural gas on FERC Form 423. (See Natural 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; where the hot gases expand to drive the generator and then are used to run the compressor.

Generation: The process of producing electric energy by transforming other forms of energy; also, the amount of electric energy produced, expressed in kilowatthours. (See Electric Plant, Energy.)

Generator Nameplate Capacity: The full-load continuous rating of a generator, prime mover, or other electrical equipment under specified conditions as designated by the manufacturer. Generator nameplate capacity is usually indicated on a nameplate attached physically to the equipment. Installed station capacity does not include auxiliary or house units.

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 corporation (parent company) that directly or indirectly owns a majority of all of the voting securities of one or more companies located in the same, contiguous States, or operating independent integrated public-utility systems in noncontiguous States. A holding company is so structured to bring companies that can best be operated as part of an integrated public-utility system under one management. Many States do not permit or authorize a registered utility company to acquire ownership or operation of a electric or gas utility company serving substantially the same territory. The Securities and Exchange Commission, as administrator of the Public Utility Holding Company Act of 1935 (15 U.S.C. 79-79z-6), defines a holding company as "a company which...owns, controls...10 percent or more of the outstanding voting securities a public utility company." (See Interlocking Directorates.)

Interlocking Directorates: The holding of a significant position in management or a position on the corporate board of a utility, while simultaneously holding a comparable position with another utility, or with a firm doing business with the utility. (See Holding Company.)

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 and 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: Lignite, the lowest rank of coal, is brownish black and has a high moisture content, sometimes as high as 45 percent. It tends to disintegrate when exposed to the weather. The heat content of lignite ranges from 9 to 17 million Btu per ton as received and averages about 14 million Btu per ton. The ignition temperature is approximately 600 degrees Fahrenheit. Lignite is mined in California, Louisiana, Montana, North Dakota, and Texas, and is used mainly to generate electricity in power plants that are relatively close to the mines.

MMBtu: An abbreviation for one 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. (See Watt.)

Megawatthour (MWh): One million watthours. (See Watthour.)

MMcf: Purchases of fuel.

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 Generation: Gross generation less plant use, measured at the high-voltage terminals of the station's step-up transformer. The energy required for pumping at pumped-storage plants is regarded as plant use and must be deducted from the gross generation. (See Generation, Electric Plant.)

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 during 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 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

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 F. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D975.

Off-Peak Gas: Gas which is to be delivered and taken on demand when demand is not at its peak. (See Spot Purchases.)

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. (See Natural Gas)

Percent Difference: The relative change in a quantity over a specified time period. It is calculated as follows: The current value number has the previous value number subtracted from it, and this new number is divided by the absolute value of the previous value number; 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 2, 4, 5, 6, topped crude, kerosene, and jet fuel. (See Petroleum (Crude Oil.))

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 station at which are located prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or nuclear energy into electric energy. A station may contain more than one type of prime mover. Electric utility plants exclude stations that satisfy the definition of 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 engine, turbine, water wheel, or similar machine that drives an electric generator.

Receipts: Purchases of fuel.

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. 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.

Station (Electric): A plant containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or nuclear energy into electric energy.

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.

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 in 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.

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

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

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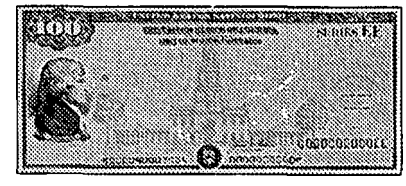

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