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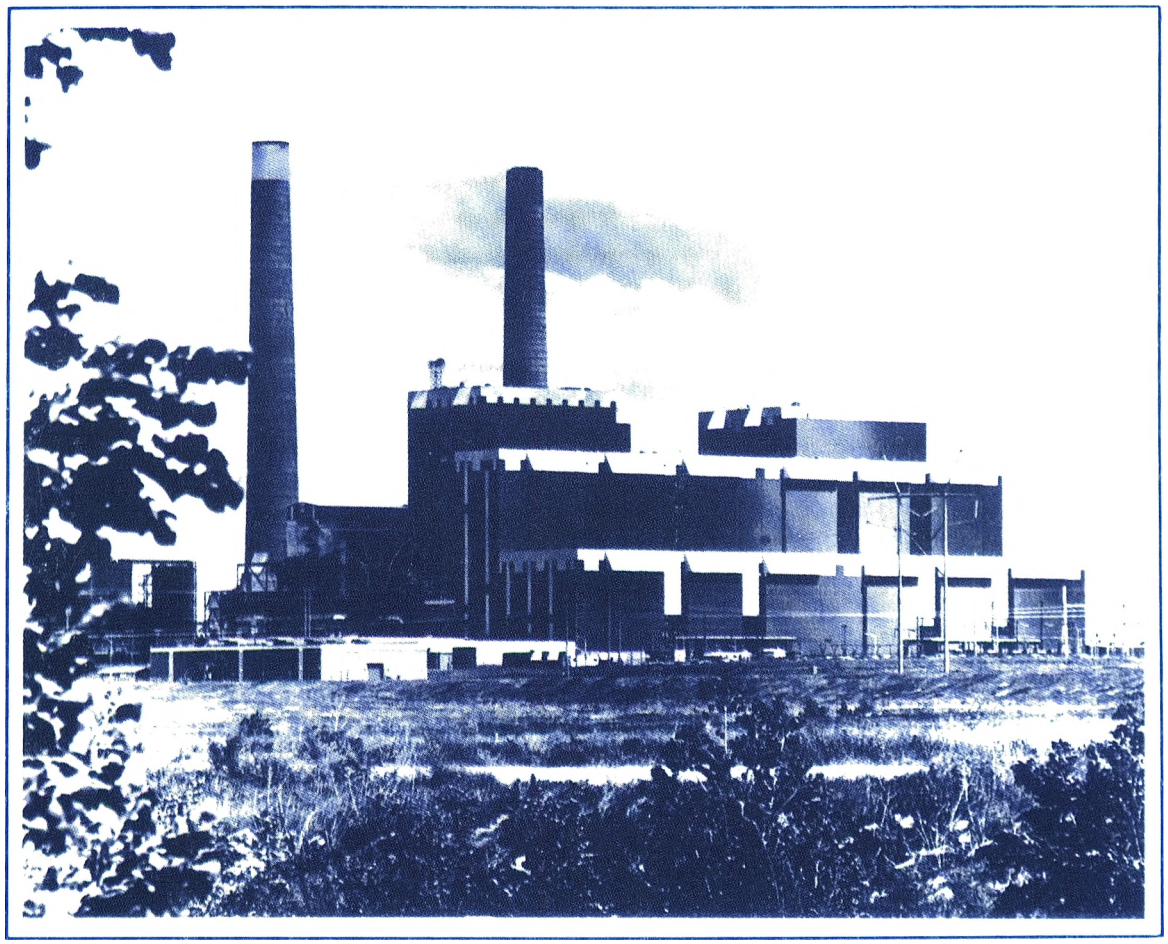
Cost and Quality of Fuels for Electric Utility Plants 1991

August 1992



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Cover Photo

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 1991

August 1992

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 (C&Q)* presents an annual summary of statistics at the national, Census division, State, electric utility, and plant levels regarding the quantity, quality, and cost of fossil fuels used to produce electricity. The purpose of this publication is to provide energy 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&Q* is prepared by the Survey Management Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA); Department of Energy. This publication provides comprehensive information concerning the quality, quantity, and cost of fossil fuels used to produce electricity in the United States.

The summarized data in this report are presented for the use of a wide audience including Congress, Federal and State agencies, the electric utility industry, and the general public. The data in this report 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&Q* are compiled from two statistical forms filed by electric utilities -- one monthly, the other annually. 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." These surveys are described in Appendix D, "Technical Notes." A brief summary of each of these forms follows.

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

The Form EIA-767 is a survey of all operators of organic- or nuclear-fueled steam-electric power plants with an existing or planned nameplate capacity of 10 or more megawatts. This form 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 organic- or nuclear-fuel generating capacity in the United States.

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Executive Summary

Data for 1991 and 1990 receipts and costs for fossil fuels discussed in the Executive Summary are displayed in Tables ES1 through ES7. These data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. Data presented in the Executive Summary on generation, consumption, and stocks of fossil fuels at electric utilities are based on data collected on the Energy Information Administration, Form EIA-759, "Monthly Power Plant Report." These data cover all electric generating plants.

The ending of the Persian Gulf Conflict in March 1991 was the most notable event affecting the purchase of fossil fuels during the year. While the invasion of Kuwait by Iraq during 1990 had a relatively small effect on the cost of coal and gas delivered to electric utilities, it did cause a substantial increase in the cost of petroleum. By early 1991, however, as the possibility of a supply disruption became less likely, a substantial decrease in the cost of petroleum occurred. The average delivered cost of coal, petroleum, and gas each decreased in 1991 from 1990 levels. Overall, the average annual cost of fossil fuels delivered to electric utilities in 1991 was $1.60 per million Btu, a decrease of $0.09 per million Btu from 1990.[1] This was the lowest average annual cost since 1978 and was the result of the abundant supply of coal, petroleum, and gas available to electric utilities.

A review of fossil-fuel deliveries to electric utilities during 1991, compared with 1990 deliveries, indicates a decrease in coal and petroleum receipts (the lowest level for petroleum receipts since 1985). Because of the growing importance of combined-cycle gas turbine units in the production of electricity, collection of additional data on these units on the Federal Energy Regulatory Commission (FERC) Form 423 began in 1991. Receipts for combined-cycle gas turbines in 1991 amounted to an estimated 125 billion cubic feet.[2] Electric utility gas receipts, excluding combined-cycle receipts, totaled 2,506 billion cubic feet. This represents an increase of 15 billion cubic feet in 1991 gas receipts, compared with those of 1990 (1990 data do not include combined-cycle gas turbine receipts).

U.S. net generation of electricity by all electric utilities in 1991 increased by less than 1 percent--the smallest increase since the decline that occurred in 1982.[3] Coal- and gas-fired steam net generation, each, decreased by less than 1 percent and petroleum-fired steam net generation by nearly 5 percent. Nuclear-powered net generation, however, increased by 6 percent. Fossil fuels accounted for 68 percent of all generation; nuclear, 22 percent; and hydroelectric, 10 percent. Sales of electricity to ultimate consumers in 1991 were 2 percent higher than during 1990.[4] A continuation of the economic recession during 1991 contributed to this increase in sales, the smallest since 1986. In addition, a decrease in generation from fossil fuels (coal, petroleum, and gas) limited the volume of fossil fuels received at electric utilities.

At the beginning of 1991, coal stocks at electric utilities totaled 156 million short tons, 20 million short tons more than at the onset of 1990. Stocks of petroleum at electric utilities in the beginning of 1991 totaled 84 million barrels, 22 million barrels more than at the same time in 1990. These higher levels of coal and petroleum stocks at the start of 1991 contributed to a decline in coal and petroleum receipts from 1990 levels, as utilities used already available stocks.

Fossil-Fuel Receipts

Coal. In 1991, electric utilities received 767 million short tons of coal. This represents a decrease of 20

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

[2]Data on receipts of gas at combined-cycle gas turbines are not directly collected on the FERC Form 423. They are estimated at the plant level by prorating based on Form EIA-759 gas consumption data as follows: (CCGT/(CCGT+CCST+ST)) X total receipts, where CCGT = combined-cycle gas turbines, CCST = combined-cycle steam units, ST = steam units, and receipts = plant level gas receipts. See Table B3 for more detailed information.

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

[4]Sales of electricity are based on data collected on the Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

million short tons from the level reported in 1990. However, in 1991 data were collected on all fossil fuel receipts delivered to the Texas Utilities (TU) Electric Company's Sandow Unit 4 (including lignite purchased for Unit 4 by the Aluminum Company of America (ALCOA) whereas 1990 data included only the amount of lignite purchased for Unit 4 by TU). The lignite purchased by ALCOA totaled an additional 2.9 million short tons. Coal receipts for 1991 totaled 770 million short tons, including this additional lignite. Any further discussion or year-to-year comparisons on coal receipts or costs found in this text, unless otherwise noted, will include this additional data collected on the Sandow plant.

Coal purchased under contract in 1991 totaled 655 million short tons, an increase of 7 million short tons from 1990. Spot-market purchases of coal fell from 138 million short tons in 1990 to 114 million short tons in 1991. Electric utilities limited their purchases of coal from the spot market because of already high stocks of coal.

Receipts of subbituminous coal rose to 240 million short tons, an increase of 7 million short tons from 1990. However, receipts of bituminous coal dropped 27 million short tons from 1990 to a level of 450 million short tons. Receipts of lignite to electric utilities (excluding the 2.9 million short tons purchased by ALCOA for use in the Sandow Unit 4) totaled 76 million short tons, an increase of less than 1 million short tons from 1990 receipts.

Petroleum. Electric utilities received 170 million barrels of petroleum in 1991, 40 million barrels less than 1990 receipts. This marks the second lowest annual total for petroleum receipts since data collection on electric utility fuel receipts was started in 1972 (1985 petroleum receipts were 165 million barrels).

This decrease in receipts of petroleum was due to lower consumption of petroleum and a drawdown of stocks of petroleum. Entering 1991, stocks of petroleum at steam-electric plants were at a 6-year high of 73 million barrels.[5] By year end, stocks of petroleum had decreased 8 million barrels to a total of 65 million barrels. Consumption of petroleum at steam-electric plants in 1991 totaled 177 million barrels, a drop of 10 million barrels from the 1990 level.[6] Receipts of Number 6 fuel oil (the primary grade of fuel oil purchased by electric utilities) totaled 163 million barrels in 1991--down 38 million barrels from 1990 receipts. Receipts of Number 2 fuel oil (primarily used for startup and flame stabilization at steam-electric plants) totaled 7 million barrels, 552 thousand barrels lower than the 1990 level.

Gas. Electric utilities received 2,631 billion cubic feet of gas in 1991. Of that total, an estimated 125 billion cubic feet of gas were received at combined-cycle gas turbines. Excluding those combined-cycle receipts, gas receipts in 1991 were 0.6 percent higher than those in 1990 (combined-cycle gas receipts were not collected in 1990.)

During 1991, the total monthly receipts of gas at electric utilities ranged from a high of 311 billion cubic feet in July to a low of 138 billion cubic feet in February. Typically, receipts of gas are highest during the summer months when electric utilities receive higher volumes of gas under interruptible contracts. Delivery of gas from interruptible contracts is often curtailed in the winter months due to the priority allocation of gas to residential customers.

[5]Energy Information Administration, *Monthly Energy Review (MER)*, DOE/EIA-0035(92/03), Table 7.4.
[6]Energy Information Administration, *Electric Power Monthly (EPM)*, DOE/EIA-0226(92/03), Tables 17 and 28.

Table ES1. Receipts of Fossil Fuels by Type of Fuel, 1990-1991

Type of Fuel	1991	1990	Difference	Percent Difference
Total Coal (thousand short tons)	[1] 767,014	786,627	-19,613	-2.5
Bituminous	450,462	477,782	-27,320	-5.7
Subbituminous	239,929	232,660	7,269	3.1
Lignite	[1] 75,901	75,432	469	.6
Anthracite	723	753	-30	-4.0
Total Petroleum (thousand barrels)	169,625	209,350	-39,725	-19.0
No. 6 Fuel Oil	162,623	200,824	-38,201	-19.0
No. 4 and No. 5 Fuel Oil	483	1,456	-973	-66.8
No. 2 Fuel Oil	6,518	7,070	-552	-7.8
Total Gas (million cubic feet)	[2] 2,506,110	2,490,979	15,131	.6
Natural	[2] 2,491,437	2,472,890	18,547	.8
Other[3]	14,673	18,089	-3,416	-18.9

[1] Data for 1991 do not include 2.9 million short tons of lignite delivered to Unit 4 of the Sandow Plant at the Texas Utilities Electric Company.
[2] Data for 1991 do not include an estimated 125 billion cubic feet of gas received at combined-cycle gas turbines.
[3] Includes small quantities of coke-oven gas, refinery and blast-furnace gas.
Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Fossil-Fuel Costs

Coal. The average cost of coal delivered to electric utilities in 1991 was $30.02 per short ton, a decrease of $0.43 per short ton from 1990. On a cents-per-million-Btu basis, the cost of coal delivered to electric utilities in 1991 was 144.7 cents, a decrease of 0.8 cents from 1990. On a cents-per-million-Btu basis, coal continues to be the lowest cost fossil fuel delivered to electric utilities. This decrease in the cost of coal in 1991 represents the sixth decrease during the last seven years in the average cost of coal delivered to electric utilities. Coal costs to electric utilities peaked in 1984 at $35.12 per short ton with the only reported increase in cost during the interim occurring in 1990. The availability of an excess supply of coal and the increasing amounts of low-cost lignite and subbituminous coal being delivered to electric plants contributed to the decline in the delivered cost of coal in 1991.

Electric utilities began 1991 with more than adequate stocks of coal. This, coupled with less-than-expected coal burns caused by moderate weather and a sluggish economy, decreased electric utility demand for coal. The average delivered cost of coal purchased under contract dropped from $30.74 per short ton in 1990 to $30.55 per short ton in 1991. As has been the case since 1985, the average delivered cost of coal purchased under contract was higher than that for coal purchased in the spot market. This was due primarily to an excess supply of coal, which has been available to electric utilities since the mid-1980's. The cost of coal purchased in the spot market and delivered to electric utilities in 1991 averaged $27.02 per short ton, a decrease of $2.09 from 1990. In 1991, the average monthly delivered cost per short ton of spot-market coal was highest at $27.99 in August and lowest in December at $25.17.

Petroleum. The average cost of petroleum delivered to electric utilities in 1991 was $16.09 per barrel, a decrease of $5.19 per barrel from the cost in 1990. The most important reason for this decrease in cost was the ending of the Persian Gulf Conflict. The Iraqi invasion of Kuwait in August 1990 created fears of a petroleum supply disruption, which drove petroleum costs upward during the latter half of 1990. On a cents-per-million-Btu basis, the cost of petroleum fell by 83.6 cents to 254.8 cents in 1991. Even with this 30-percent decrease in the delivered cost in 1991, petroleum remains the most expensive fossil fuel delivered to electric utilities.

The January 1991 average cost ($23.44 per barrel) was the only monthly value for the year that reflected the uncertainty of the Persian Gulf Conflict. By February 1991, the average cost of petroleum delivered to electric utilities had fallen to $17.38 per barrel, a one-month decrease of 26 percent. For the remainder of 1991, the average monthly cost of petroleum varied between a low of $14.30 per barrel for June and a high of $16.73 per barrel for November. The average delivered cost of Number 6 fuel oil ranged from a high of $22.69 per barrel in January to a low of $13.95 per barrel in June. The average cost of Number 2 fuel oil was highest in January at $33.91 per barrel and lowest in June at $24.79 per barrel.

Gas. In 1991, the average cost per thousand cubic feet of gas delivered to electric utilities was $2.20, $0.18 lower than in 1990. On a cents-per-million-Btu basis, the average delivered cost of gas in 1991 was 215.3 cents, compared with 232.1 cents in 1990. During the year, the average monthly delivered cost of gas per thousand cubic feet, ranged from $2.74 in January to $1.89 in July. The July 1991 average cost of $1.89 per thousand cubic feet was the lowest monthly average

cost for gas delivered to electric utilities since the December 1979 value ($1.88 per thousand cubic feet).

Seasonal use of gas by electric utilities is an important influence on the average monthly cost of gas delivered to electric utilities. Because residential and commercial users of gas are given priority (for heating purposes), less gas is available to electric utilities during the winter months. Most purchases during these months are made under firm contract (that is, delivery is guaranteed). During warmer months, more gas is available since residential and commercial users require less gas. Therefore, more purchases can be made by electric utilities. Many of these additional purchases are made under interruptible contract (that is, delivery may be interrupted--often in exchange for a reduction in cost to the utility). This may result in a higher volume of gas receipts at lower costs during the warmer months of the year, compared with the colder months.

Table ES2. Average Delivered Cost of Fossil Fuels, 1990-1991

Type of Purchase	1991	1990	Difference	Percent Difference
Total Coal (dollars per short ton)	**30.02**	**30.45**	**-0.43**	**-1.4**
Contract	30.55	30.74	-.19	-.6
Spot	27.02	29.11	-2.09	-7.2
Total Petroleum (dollars per barrel)	**16.09**	**21.28**	**-5.19**	**-24.4**
Contract (No. 6 Fuel Oil)	15.69	21.02	-5.33	-25.4
Spot (No. 6 Fuel Oil)	15.42	20.64	-5.22	-25.3
Total Gas (dollars per Mcf)	**2.20**	**2.38**	-.18	-7.6
Firm	2.19	2.27	-.08	-3.5
Interruptible	2.22	2.48	-.26	-10.5

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

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

Table ES3. Monthly Receipts and Average Delivered Cost of Fossil Fuels by Type of Fuel, 1991

Month	Coal			Petroleum			Gas			All Fossil Fuels
	Receipts (thousand short tons)	(dollars per short ton)	(cents per million Btu)	Receipts (thousand barrels)	(dollars per barrel)	(cents per million Btu)	Receipts (thousand Mcf)	(dollars per Mcf)	(cents per million Btu)	
January	63,732	30.08	145.4	12,315	23.44	373.8	165,100	2.74	267.1	169.8
February	61,407	30.45	147.0	10,899	17.38	276.0	137,568	2.39	234.8	161.3
March	63,825	30.17	145.5	11,672	15.88	251.3	182,853	2.25	220.0	159.3
April	61,093	30.73	147.3	13,479	15.17	239.7	203,893	2.13	206.7	160.3
May	63,259	30.99	148.3	15,256	15.18	240.1	233,667	2.03	198.2	160.8
June	61,674	30.59	147.4	17,675	14.30	226.1	244,386	1.96	191.2	159.5
July	65,105	29.23	142.7	17,703	14.71	233.1	310,738	1.89	184.6	156.0
August	69,794	29.74	143.1	17,323	14.70	232.6	306,418	1.97	192.7	156.6
September	65,273	29.86	143.3	16,063	15.64	247.7	248,899	2.21	215.4	160.2
October	66,445	30.04	143.6	10,287	16.00	253.1	251,458	2.37	231.0	160.9
November	62,779	29.76	142.8	11,835	16.73	264.8	186,722	2.45	240.7	160.4
December	65,538	28.79	140.0	15,120	16.41	260.3	159,115	2.67	262.0	159.5
1991	**769,923**	**30.02**	**144.7**	**169,625**	**16.09**	**254.8**	**2,630,818**	**2.20**	**215.3**	**160.3**

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

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

Table ES4. Monthly Receipts and Average Delivered Cost of Coal by Rank, 1991

Month	Bituminous			Subbituminous			Lignite			Anthracite		
	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)
January	37,837	154.9	36.92	18,704	133.1	23.13	7,168	95.7	12.18	23	122.7	22.09
February	36,004	155.3	37.14	19,010	135.8	23.55	6,370	104.4	13.25	22	124.2	22.13
March	37,556	154.7	36.94	19,934	131.3	22.78	6,320	104.9	13.32	14	137.5	25.21
April	36,208	155.3	37.09	19,498	133.5	23.30	5,364	115.4	14.91	23	108.9	18.57
May	37,706	155.2	37.21	19,575	138.0	24.07	5,888	112.9	14.42	90	92.0	13.99
June	36,134	154.9	37.17	18,589	138.6	24.20	6,851	106.5	13.47	100	86.0	13.24
July	35,884	152.0	36.36	21,508	133.5	23.37	7,600	96.9	12.41	113	86.2	13.75
August	40,800	151.9	36.41	21,518	131.9	23.10	7,380	97.7	12.47	96	88.0	13.72
September	38,474	151.7	36.34	20,186	131.9	23.10	6,531	100.1	12.78	82	92.6	14.48
October	39,397	152.5	36.65	20,551	127.8	22.39	6,404	111.0	14.11	92	87.9	13.67
November	37,079	151.7	36.36	19,647	127.8	22.28	6,019	106.2	13.58	35	93.7	15.20
December	37,383	148.6	35.40	21,207	125.8	21.87	6,917	112.8	14.28	32	110.0	18.99
1991	**450,462**	**153.2**	**36.66**	**239,929**	**132.3**	**23.08**	**78,810**	**104.9**	**13.37**	**723**	**94.1**	**14.98**

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

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

Table ES5. Monthly Receipts and Average Delivered Cost of Coal by Type of Purchase and Mine, 1991

Month	Contract			Spot			Mine Type					
							Surface			Underground		
	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)
January	53,830	149.2	30.48	9,902	126.3	27.93	42,789	134.8	25.54	20,943	162.3	39.36
February	52,578	151.0	30.97	8,828	125.0	27.37	41,847	138.8	26.44	19,560	160.8	39.02
March	55,312	149.2	30.65	8,513	123.4	27.08	43,472	136.6	26.09	20,353	160.5	38.90
April	53,176	151.2	31.26	7,917	122.9	27.21	41,074	139.6	26.84	20,020	159.8	38.73
May	54,618	152.8	31.61	8,641	121.9	27.02	42,485	141.0	27.07	20,773	160.1	39.00
June	53,428	151.6	31.12	8,245	122.2	27.12	42,565	139.7	26.71	19,109	160.9	39.23
July	56,228	146.5	29.61	8,876	120.7	26.86	46,484	134.3	25.44	18,621	159.0	38.71
August	59,811	146.8	30.03	9,983	122.9	27.99	47,879	135.3	25.90	21,916	156.5	38.13
September	55,869	147.3	30.25	9,404	121.9	27.55	44,023	135.4	25.93	21,250	156.2	38.02
October	55,333	147.9	30.57	11,112	123.4	27.40	44,844	135.1	26.01	21,601	157.4	38.40
November	51,717	148.0	30.55	11,062	119.8	26.09	42,913	133.7	25.70	19,867	158.2	38.54
December	53,569	145.3	29.59	11,970	117.7	25.17	45,278	131.7	24.88	20,261	154.5	37.51
1991	**655,471**	**148.9**	**30.55**	**114,452**	**122.2**	**27.02**	**525,651**	**136.3**	**26.03**	**244,272**	**158.8**	**38.62**

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

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

Table ES6. Monthly Receipts and Average Delivered Cost of Petroleum by Type, 1991

Month	No. 2 Fuel Oil			No. 4 and 5 Fuel Oil			No. 6 Fuel Oil		
	Receipts (thousand barrels)	(cents per million Btu)	(dollars per barrel)	Receipts (thousand barrels)	(cents per million Btu)	(dollars per barrel)	Receipts (thousand barrels)	(cents per million Btu)	(dollars per barrel)
January	848	584.0	33.91	48	290.2	17.58	11,418	359.7	22.69
February	470	522.6	30.34	*	370.0	22.05	10,429	265.8	16.79
March	403	466.6	27.11	39	314.0	18.94	11,230	244.0	15.47
April	360	458.0	26.65	*	393.3	23.65	13,118	234.2	14.86
May	544	446.2	25.95	—	—	—	14,711	233.1	14.78
June	553	426.6	24.79	81	296.4	17.85	17,041	219.8	13.95
July	534	439.3	25.56	118	332.6	19.99	17,051	226.5	14.34
August	492	452.5	26.39	40	330.4	19.80	16,791	226.5	14.34
September	472	471.7	27.53	83	335.7	20.15	15,507	240.9	15.25
October	629	496.2	28.89	3	388.9	23.57	9,654	238.6	15.16
November	546	512.0	29.81	4	387.8	23.35	11,285	253.8	16.09
December	667	451.7	26.22	67	309.0	18.82	14,386	251.9	15.94
1991	**6,518**	**482.5**	**28.07**	**483**	**318.7**	**19.21**	**162,623**	**246.3**	**15.60**

* = Number less than 0.05 rounded to zero.

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

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

Quality of Coal

Three characteristics of coal that are important in determining quality are the sulfur, ash, and Btu content. During 1991, coal receipts at electric utilities showed a decline in each category. The sulfur content of coal fell from 1.35 percent by weight in 1990 to 1.30 percent by weight in 1991. Receipts of coal by State of origin indicated that for coal-producing States east of the Mississippi River, only Ohio reflected an increase in the sulfur content of coal produced for electric utilities. The sulfur content of coal originating in Virginia and Pennsylvania and delivered to electric utilities remained unchanged, while all other coal-producing States east of the Mississippi River showed a decrease in the sulfur content of coal mined for electric utilities.

The coal with the lowest average sulfur content (0.37 percent by weight) originated in Wyoming, while coal from Missouri and Iowa had the highest average sulfur content (4.17 and 4.23 percent by weight, respectively). Coal from the northern Appalachian Region (Pennsylvania, Ohio, Maryland, and northern West Virginia) and from the Interior Region (Illinois, Indiana, Iowa, Kansas, Missouri, and western Kentucky) contained the highest percentage of sulfur. The sulfur content for Interior Region coal ranged generally between 1.5 and 4.5 percent. Receipts of coal from the southern Appalachian Region (Virginia, southern West Virginia, and eastern Kentucky) ranged between 0.5 and 2.0 percent in sulfur content, while receipts of coal from the western United States generally contained less than 1.0 percent sulfur.

The average heat content of coal delivered to electric utilities in 1991 was 10,378 Btu per pound, a decrease from the 10,465 Btu per pound reported in 1990. Considering only the major coal-producing States, coal originating in Virginia rated the highest in heat content--averaging 12,887 Btu per pound. Texas lignite rated the lowest in heat content (6,254 Btu per pound). Subbituminous coal originating in the Powder River Basin (located in Montana and Wyoming) ranged approximately from 8,000 to 9,500 Btu per pound. This was 2,000 to 3,000 Btu per pound less than the heat content of bituminous coal mined in the eastern United States.

The average ash content (any noncombustible material) of coal delivered to electric utilities in 1991 was 9.76 percent--down from the 9.85 percent reported in 1990. On a State-by-State basis, coal from Wyoming contained the least amount of ash (5.5 percent) of any coal delivered to electric utilities during the year. Coal obtained from Texas and New Mexico during the year had an average ash content above 15 percent.

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

In 1991, the Georgia Power Company, Tennessee Valley Authority, and the Niagara Mohawk Company were among several utilities that received low-sulfur coal from western coal-producing States for testing. If test burns of this coal are successful, many electric utilities will have a new source of low-sulfur coal that is needed to comply with the Clean Air Act Amendments of 1990. The amended Act requires that electric utilities reduce the emission of flue-stack gases (such as sulfur dioxide and nitrogen oxide) from their power plants. In this regard, electric utilities have a variety of options available to them. The three primary options are the installation of flue gas desulfluization (FGD) systems, use of lower sulfur fuels, and purchase of emission allowances.[7]

In the first primary option, electric utilities can reduce emissions through the use of FGD systems, commonly referred to as "scrubbing." With this option, the sulfur content of the coal received and consumed is not critical, since the FGD system will remove almost all of the pollutants from the flue gas before they are emitted into the air.[8] However, FGD systems are expensive to build and operate, relative to other options. The second primary option, which involves switching to a low-sulfur coal, can also be expensive because low-sulfur (compliance) coal mined in the eastern United States usually commands premium prices. During 1991, several electric utilities blended, tested and evaluated new ranks and sources of coal to determine the potential for this option. In the third primary option, electric utilities can purchase sulfur dioxide emission permits from other electric utilities or via an auction.

[7]For a more detailed discussion regarding the options available to electric utilities for complying with the Clean Air Act Amendments of 1990, see the Energy Information Administration, *Annual Outlook for U.S. Electric Power 1991*, DOE/EIA-0474(91)(Washington, DC, July 1991).
[8]Data on the amount of operating capacity with FGD equipment are provided in Appendix A.

Table ES7. Average Quality of Coal by State of Origin, 1990-1991

State of Origin	Btu (per pound)		Sulfur (percent by weight)		Ash (percent by weight)	
	1991	1990	1991	1990	1991	1990
Alabama	12,141	12,190	1.27	1.34	12.26	12.39
Arizona	10,992	11,015	.50	.50	9.42	9.17
Colorado	10,772	10,694	.40	.41	8.34	8.67
Illinois	11,206	11,179	2.67	2.71	9.57	9.54
Indiana	11,135	11,104	2.53	2.55	9.19	9.26
Iowa	9,842	10,128	4.23	3.33	13.48	11.76
Kansas	12,086	12,074	3.45	3.14	11.62	12.02
Kentucky	12,194	12,126	1.78	1.80	9.88	10.19
Louisiana	6,928	6,881	.62	.55	12.46	12.50
Maryland	12,644	12,612	1.58	1.61	12.87	12.62
Missouri	10,525	10,570	4.17	4.18	10.38	10.05
Montana	9,002	9,012	.52	.53	6.88	7.09
New Mexico	9,306	9,349	.70	.70	19.56	19.47
North Dakota	6,550	6,586	.84	.82	9.16	9.19
Ohio	11,785	11,717	3.49	3.34	11.21	11.28
Oklahoma	12,984	12,417	2.15	1.77	9.25	9.63
Pennsylvania	12,443	12,366	1.82	1.82	12.48	12.75
Tennessee	12,590	12,623	1.40	1.44	10.29	9.87
Texas	6,254	6,332	1.02	1.00	17.72	16.39
Utah	11,574	11,592	.46	.50	10.34	10.17
Virginia	12,887	12,951	1.14	1.14	9.70	9.42
Washington	8,003	8,104	.67	.73	14.90	15.33
West Virginia	12,546	12,524	1.62	1.64	10.53	10.68
Wyoming	8,659	8,669	.37	.38	5.47	5.61
Subtotal	**10,373**	**10,462**	**1.31**	**1.35**	**9.77**	**9.86**
Imported	12,111	12,155	.70	.72	6.96	6.57
Total	**10,378**	**10,465**	**1.30**	**1.35**	**9.76**	**9.85**

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

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

Fossil-Fuel Data at the Census Division and State Level

Coal

Data for receipts and costs of fossil fuels discussed in this chapter are provided at the national level in Tables 1 through 5 and at the Census division and State level in Tables 6 through 23. State-level data for fossil-fuel receipts and cost are also displayed in Figures 1 through 6.

In 1991, electric utilities received 770 million short tons of coal (including 2.9 million short tons of lignite purchased by ALCOA for the Texas Utilities Electric Company's Sandow Unit 4). Coal purchased under contract in 1991 totaled 655 million short tons, an increase of 7 million short tons from 1990 while deliveries of coal under spot purchases decreased by nearly 24 million short tons. An overall decline in receipts of coal at the national level can be traced to substantial decreases in coal receipts in the South Atlantic, Middle Atlantic, East South Central, and East North Central Census Divisions. In these Census divisions, the drop in coal receipts can be partially attributed to a buildup in coal stocks during 1990. In addition, nuclear-powered generation rose substantially in each of these Census divisions in 1991, when compared to levels for the prior year.

The largest drop, on a volume basis, in receipts of coal (11 million short tons) occurred in the South Atlantic Census Division. Stocks of coal in this division rose by only 1 million short tons during 1991 (compared to an increase of 7 million short tons in 1990). Receipts of coal in West Virginia and Georgia decreased by 5 and 3 million short tons, respectively, while the amount of coal received in Maryland and North Carolina fell by a combined total of 3 million short tons. Total coal-fired generation of electricity in the South Atlantic Census Division decreased by 11 million kilowatthours, while nuclear-powered generation rose by 12 million kilowatthours. Substantial increases in nuclear-powered generation occurred in Maryland and North Carolina. The nuclear-powered Calvert Cliffs Plant, located in Maryland and operated by the Baltimore Gas & Electric Company, returned to full service during the year. At the same time, production of electricity rose by 46 percent at the nuclear-powered McGuire Plant (owned by the Duke Power Company) located in North Carolina.

The second largest decline--6 million short tons lower than in 1990--in coal receipts occurred in the Middle Atlantic Census Division, where receipts totaled 52 million short tons. The quantity of coal received in Pennsylvania fell by 4 million short tons from the 1990 level, while receipts of coal in New York and New Jersey declined by 1 million short tons, each. Production of electricity from petroleum, gas, and hydroelectric--as well as coal--facilities decreased in this division. At the same time, total nuclear-powered generation in the Middle Atlantic Census Division increased by nearly 6 million kilowatthours (a 5-million-kilowatthour increase in nuclear-powered generation occurred at the Niagara Mohawk Power Company in New York).

Total receipts of 77 million short tons in the East South Central Census Division represented a decline (5 million short tons) from the 1990 level. Although consumption of coal in this division rose by 1 million short tons (1 percent), stocks of coal dropped nearly 2 million short tons during 1991 (compared with an increase of 4 million short tons during 1990). Nuclear-powered generation in the East South Central Census Division increased by 8 million kilowatthours (24 percent), due primarily to higher nuclear-powered production by the Tennessee Valley Authority.

Receipts of coal also fell in the East North Central Census Division by 4 million short tons. The level of coal stockpiles in the division fell by 1 million short tons during 1991--compared to an increase of 6 million short tons during the prior year. Coal consumption, however, rose by 2 million short tons from the level in 1990. Again, as mentioned in the three Census divisions discussed previously in this section, nuclear-powered generation rose in 1991. In the East North Central Census Division, production of electricity from nuclear units increased by 9 million kilowatthours during the year.

Unlike the national trend, coal receipts in the West South Central Census Division (excluding the 2.9 million short tons of lignite purchased by the Aluminium Company of America (ALCOA) and delivered to the Texas Utilities Electric Company's Sandow Unit 4)[9] rose 4 million short tons in 1991, totaling 125 million short tons. In addition, coal consumption increased by 2 million short tons in the West South Central Census Division. Coal-fired and nuclear-powered generation increased, while gas-fired generation declined.

Three other Census divisions showed growth in the volume of coal receipts during 1991. Coal received in the Pacific Contiguous Census Division totaled 7 million short tons, up nearly 1 million short tons from 1990. The higher level of coal receipts at the Portland General Electric Company's Boardman Plant was a major contributing factor. Receipts of coal in the New England Census Division rose by 88 thousand short tons from 1990 receipts. Coal-fired generation increased in this Census division while generation from nuclear, gas, petroleum, and hydroelectric plants fell. Receipts of coal in the West North Central Census Division totaled 105 million short tons--an increase of 2 million short tons from the 1990 level. Consumption of coal and coal stocks in the division each increased by 1 million short tons.

The average cost of coal delivered to the New England Census Division was $47.13 per short ton (178.9 cents per million Btu)--the highest delivered cost of coal among all Census divisions. Most of the coal delivered to the New England Census Division was high-Btu coal from the Appalachian Region (Kentucky, Virginia, Pennsylvania, and West Virginia). Transporting this coal added substantially to its delivered cost. Among all States, the average cost of coal delivered to Connecticut was the highest at $57.35 per short ton (216.6 cents per million Btu). In addition, the coal delivered to Connecticut had an average sulfur content of 0.55 percent by weight, the lowest value for any State in the eastern United States.

The lowest average cost of coal at the Census division level was $19.44 per short ton (112.2 cents per million Btu) for coal delivered to electric utilities in the West North Central Census Division. A major percentage of the coal delivered to States in this Census division originated in Wyoming and Montana and was delivered to electric plants by unit train. A combination of low-mining costs for western coal and efficient transportation methods resulted in a relatively low average delivered cost. In addition, the low cost of lignite purchased by electric utilities in North Dakota reduced the average delivered cost for this division. The use of lignite-fired plants by electric utilities in North Dakota led to its having the lowest average delivered cost ($9.37 per short ton) for coal at the State level. The average cost per short ton of coal delivered to Wyoming and Montana in 1991 was $14.55 and $11.44, respectively. Generally, plants located in these States were built near the coal mines, thereby reducing transportation costs.

Petroleum

In 1991, receipts of petroleum at electric utilities totaled 170 million barrels, down by 40 million barrels from 1990. This decrease in receipts of petroleum can be partially attributed to lower consumption of petroleum and a drawdown of stocks of petroleum. The New England, Middle Atlantic, and South Atlantic Census Divisions accounted for 89 percent (151 million barrels) of total U.S. petroleum receipts. Of these Census divisions, only the South Atlantic Census Division reported an increase in receipts of petroleum. This was primarily due to higher receipts of petroleum in Florida, where petroleum consumption at steam-electric plants rose by 20 percent. Receipts of petroleum in the Middle Atlantic Census Division totaled 54 million barrels, 19 million barrels less than in 1990. Within this Census division, receipts of petroleum to New York fell 14 million barrels from the 1990 level. This was primarily due to lower petroleum consumption and a drawdown of stocks of petroleum. At the State level, New York received the highest quantity of petroleum (46 million barrels), followed by Florida (45 million barrels), and Massachusetts (23 million barrels). Receipts of petroleum in the Pacific Contiguous Census Division totaled 2 million barrels, an 83-percent decrease (10 million barrels) from the 1990 level. Many electric utilities in this Census division are turning to nuclear-powered and gas-fired generation, and purchased power in lieu of petroleum-fired generation.

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

The average cost of petroleum delivered to electric utilities in 1991 was $16.09 per barrel, a decrease of $5.19. All Census divisions except the Mountain and the East South Central Census Divisions reported lower petroleum costs for the year. The lowest average delivered cost at the State level was $11.82 per barrel (179.6 cents per million Btu) for petroleum delivered to New Hampshire. Nearly all of this petroleum was

[9]Data for prior years included only lignite purchased by Texas Utilities Electric Company and did not include lignite purchased by the Aluminium Company of America (ALCOA) for use at Sandow Unit 4.

high-sulfur Number 6 fuel oil. In comparison, the State of Washington reported the highest average delivered cost at $33.73 per barrel (572.9 cents per million Btu). Most receipts of petroleum in the State were Number 2 fuel oil. The national average delivered cost of No. 2 fuel oil was $28.07 per barrel (482.5 cents per million Btu), compared with $15.60 per barrel (246.3 cents per million Btu) for No. 6 fuel oil.

Gas

Receipts of gas at electric utilities (excluding an estimated 125 billion cubic feet of gas received at combined-cycle gas turbines) amounted to 2,506 billion cubic feet in 1991. This represented an increase of 15 billion cubic feet from 1990. (Data on combined-cycle units were not collected on the FERC Form 423 survey in 1990.) Receipts of gas in 1991 at electric utilities in Alaska, Oregon, and North Carolina were entirely for combined-cycle units. Receipts of gas at electric utilities including combined-cycle gas turbines totaled 2,631 billion cubic feet. All further discussion or year-to-year comparisons on gas receipts and costs, unless otherwise noted, will include data collected on combined-cycle gas turbines.

The West South Central and Pacific Contiguous Census Divisions accounted for 71 percent (1,866 billion cubic feet) of all receipts of gas. Receipts of gas in Texas were 990 billion cubic feet--the largest total for any State. California ranked second with total gas receipts of 450 billion cubic feet. Louisiana received the third highest volume of gas receipts (224 billion cubic feet). Receipts of gas in the Middle Atlantic Census Division totaled 247 billion cubic feet, a decrease of nearly 7 billion cubic feet from 1990. The substantial increase in receipts of gas in New Jersey (due to the low cost of gas and added reporting of combined-cycle units) was not sufficient to offset the lower volume of gas received in New York.

The average delivered cost of gas fell by $0.18 cents per thousand cubic feet in 1991, to a level of $2.20 per thousand cubic feet. The lowest average delivered cost, $0.76 per thousand cubic feet, occurred in Michigan due to the substantial quantity of low-Btu blast-furnace gas delivered to the Detroit Edison Company. On a cents-per-million-Btu basis, this cost was 195.9 cents. The highest average cost was $4.70 per thousand cubic feet for 83 million cubic feet of gas delivered to electric plants located in Montana. It is not unusual for a low volume of gas receipts (such as in Montana) to be delivered to electric plants at a relatively high cost, because the allocation of the fixed costs associated with pipeline deliveries of gas are based on the volume of deliveries. The cost of gas delivered to electric utilities in Texas averaged $2.03 per thousand cubic feet, a decrease of $0.15 per thousand cubic feet. Receipts of gas in Texas accounted for 38 percent of all gas delivered to electric utilities.

Table 1. Receipts and Average Delivered Cost of Coal, 1987-1991

Type of Purchase	1991	1990	1989	1988	1987
Receipts[1]					
(Thousand Short Tons)					
Contract	655,471	648,604	620,927	627,779	610,194
Spot	114,452	138,023	132,289	99,996	111,104
Total	**769,923**	**786,627**	**753,217**	**727,775**	**721,298**
Costs					
(Dollars per Short Ton)					
Contract	30.55	30.74	30.38	30.86	32.01
Spot	27.02	29.11	29.07	29.30	30.86
Total	**30.02**	**30.45**	**30.15**	**30.64**	**31.83**

[1] Data for 1991 include 2.9 million short tons of lignite delivered to Unit 4 of the Sandow Plant at the Texas Utilities Electric Company.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 2. Receipts and Average Delivered Cost of Petroleum, 1987-1991

Type of Purchase	1991	1990	1989	1988	1987
Receipts (Thousand Barrels)					
Contract	112,946	149,795	180,128	167,776	152,593
Spot	56,678	59,555	66,294	69,148	41,985
Total	**169,625**	**209,350**	**246,422**	**236,924**	**194,578**
Costs					
(Dollars per Barrel)					
Contract	16.12	21.27	18.17	15.36	19.15
Spot	16.04	21.30	18.17	15.25	18.73
Total	16.09	21.28	18.17	15.33	19.06

Notes: • Totals may not equal sum of components because of independent rounding. • *Totals do not include small quantities of Kerosene.* • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 3. Receipts and Average Delivered Cost of Gas, 1987-1991

Type of Purchase	1991	1990	1989	1988	1987
Receipts[1]					
(Million Cubic Feet)					
Firm Gas	1,235,451	1,115,577	1,220,395	1,326,461	1,342,719
Interruptible Gas	1,342,074	1,339,993	1,227,384	1,009,097	1,230,042
Off-Peak Gas	53,293	35,408	24,727	27,162	32,431
Total	**2,630,818**	**2,490,979**	**2,472,506**	**2,362,721**	**2,605,191**
Costs					
(Dollars per Thousand Cubic Feet)					
Firm Gas	2.19	2.27	2.34	2.22	2.30
Interruptible Gas	2.22	2.48	2.51	2.48	2.32
Off-Peak Gas	2.08	2.28	2.33	2.18	2.28
Total	**2.20**	**2.38**	**2.42**	**2.33**	**2.31**

[1] Receipts for 1991 include an estimate of 125 billion cubic feet of gas received at combined-cycle gas turbines.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 4. Receipts of Coal by Rank, 1987-1991

Rank	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per Million Btu)	(dollars per short ton)
1991[1]						
Anthracite	723	7,961	0.64	33.4	94.1	14.98
Bituminous	450,462	11,964	1.84	10.3	153.2	36.66
Subbituminous	239,929	8,722	.42	6.9	132.3	23.08
Lignite	78,810	6,372	.95	14.9	104.9	13.37
Total	**769,923**	**10,378**	**1.30**	**9.76**	**144.7**	**30.02**
1990						
Anthracite	753	8,070	.71	32.7	97.7	15.77
Bituminous	477,782	11,945	1.86	10.5	153.8	36.75
Subbituminous	232,660	8,741	.43	7.2	133.5	23.34
Lignite	75,432	6,433	.92	14.0	98.3	12.65
Total	**786,627**	**10,465**	**1.35**	**9.85**	**145.5**	**30.45**
1989						
Anthracite	633	8,153	.63	32.2	96.0	15.65
Bituminous	451,341	11,936	1.85	10.5	152.6	36.43
Subbituminous	226,322	8,757	.44	7.3	134.7	23.59
Lignite	74,921	6,380	.88	14.1	95.8	12.22
Total	**753,217**	**10,425**	**1.33**	**9.93**	**144.6**	**30.15**
1988						
Anthracite	725	8,656	.57	33.1	92.9	16.08
Bituminous	433,063	11,995	1.84	10.4	154.2	37.00
Subbituminous	220,536	8,772	.45	7.3	138.1	24.23
Lignite	73,451	6,404	.83	14.0	98.0	12.55
Total	**727,775**	**10,451**	**1.32**	**9.88**	**146.6**	**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**

[1] Data for 1991 include 2.9 million short tons of lignite deliveredto Unit 4 of the Sandow Plant at the Texas Utilities Electric Company.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 5. Receipts and Average Delivered Cost of Coal by Mine Type, 1987-1991

Mine Type	1991[1]	1990	1989	1988	1987
Receipts					
(Thousand Short Tons)					
Surface	525,651	531,898	516,886	505,568	493,491
Underground	244,272	254,729	236,331	222,207	227,807
Total	**769,923**	**786,627**	**753,217**	**727,775**	**721,298**
Costs					
(Dollars per Short Ton)					
Surface	26.03	26.48	26.56	27.03	28.35
Underground	38.62	38.74	38.00	38.87	39.37
Total	**30.02**	**30.45**	**30.15**	**30.64**	**31.83**

[1] Data for 1991 include 2.9 million short tons of lignite delivered to Unit 4 of the Sandow Plant at the Texas Utilities Electric Company.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 6. Receipts of Coal by Census Division and State, 1987-1991
(Thousand Short Tons)

Census Division and State	1991[1]	1990	1989	1988	1987
New England	**6,433**	**6,345**	**6,326**	**6,377**	**5,774**
Connecticut	871	954	875	830	770
Maine	—	—	—	—	—
Massachusetts	4,278	4,120	4,387	4,285	3,889
New Hampshire	1,284	1,271	1,064	1,262	1,115
Rhode Island	—	—	—	—	—
Vermont	—	—	—	—	—
Middle Atlantic	**52,066**	**58,200**	**55,969**	**51,532**	**53,855**
New Jersey	2,027	2,835	3,324	2,477	2,691
New York	9,235	10,568	9,879	8,562	8,131
Pennsylvania	40,804	44,796	42,766	40,493	43,033
East North Central	**170,575**	**174,585**	**161,663**	**155,300**	**162,093**
Illinois	26,813	26,456	25,067	26,920	28,509
Indiana	46,292	49,194	40,560	36,414	38,682
Michigan	28,866	29,688	28,996	28,344	29,889
Ohio	49,517	51,436	49,505	46,008	48,385
Wisconsin	19,087	17,811	17,535	17,613	16,629
West North Central	**105,054**	**103,252**	**100,899**	**99,540**	**89,342**
Iowa	16,344	15,639	14,316	13,974	13,786
Kansas	14,401	15,772	14,725	14,798	15,033
Minnesota	16,187	16,559	16,176	15,451	12,793
Missouri	25,204	24,351	24,788	23,959	22,533
Nebraska	8,908	7,940	7,473	7,485	6,327
North Dakota	21,683	20,915	21,359	21,714	18,128
South Dakota	2,326	2,078	2,063	2,160	741
South Atlantic	**124,355**	**134,943**	**128,322**	**120,976**	**129,920**
Delaware	2,002	2,192	1,918	2,525	2,422
District of Columbia	—	—	—	—	—
Florida	24,461	24,288	23,375	23,770	22,553
Georgia	24,694	27,888	25,434	25,135	26,351
Maryland	8,668	10,002	8,494	8,854	8,187
North Carolina	18,167	19,606	18,413	16,795	17,829
South Carolina	9,215	9,388	9,805	9,002	9,354
Virginia	8,599	8,488	9,739	7,459	8,907
West Virginia	28,549	33,092	31,143	27,436	34,317
East South Central	**77,397**	**82,726**	**73,798**	**73,868**	**78,047**
Alabama	24,350	22,208	21,311	19,895	20,739
Kentucky	30,591	35,151	30,733	29,344	31,771
Mississippi	3,727	3,921	3,455	4,870	4,430
Tennessee	18,730	21,446	18,300	19,759	21,107
West South Central	**127,713**	**120,651**	**121,925**	**117,144**	**111,029**
Arkansas	12,443	10,939	11,502	11,907	11,709
Louisiana	12,212	11,593	11,594	12,078	10,627
Oklahoma	15,868	14,471	14,635	13,355	12,124
Texas	87,189	83,649	84,195	79,803	76,568
Mountain	**99,693**	**99,912**	**98,709**	**97,184**	**86,382**
Arizona	17,020	15,385	15,244	14,121	12,714
Colorado	15,500	15,343	15,752	14,949	13,367
Idaho	—	—	—	—	—
Montana	10,398	9,519	10,224	10,474	7,596
Nevada	8,084	7,477	7,067	7,886	6,893
New Mexico	12,888	15,241	15,238	14,522	14,176
Utah	13,254	14,014	13,385	12,256	11,801
Wyoming	22,549	22,932	21,798	22,976	19,834
Pacific Contiguous	**6,636**	**6,012**	**5,606**	**5,856**	**4,856**
California	—	—	—	—	—
Oregon	1,719	968	—	235	377
Washington	4,917	5,044	5,606	5,621	4,479
Pacific Noncontiguous	—	—	—	—	—
Alaska	—	—	—	—	—
Hawaii	—	—	—	—	—
Total	**769,923**	**786,627**	**753,217**	**727,775**	**721,298**

[1] Data for 1991 include 2.9 million short tons of lignite delivered to Unit 4 of the Sandow Plant at the Texas Utilities Electric Company.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 7. Average Delivered Cost of Coal by Census Division and State, 1987-1991

Census Division and State	1991	1990	1989	1988	1987	1991	1990	1989	1988	1987
	(cents per million Btu)					(dollars per short ton)				
New England	**178.9**	**180.3**	**169.9**	**173.2**	**178.1**	**47.13**	**47.38**	**44.54**	**45.59**	**46.95**
Connecticut	216.6	212.9	213.7	228.6	242.0	57.35	56.35	56.88	60.07	63.56
Maine	—	—	—	—	—	—	—	—	—	—
Massachusetts	172.5	173.4	160.2	161.2	161.4	45.33	45.30	41.68	42.25	42.37
New Hampshire	174.4	178.1	172.8	177.7	191.8	46.20	47.39	46.18	47.38	51.47
Rhode Island	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**156.5**	**155.4**	**148.9**	**148.8**	**147.6**	**38.99**	**38.56**	**37.03**	**36.92**	**36.61**
New Jersey	178.2	180.1	175.8	171.7	176.8	47.76	48.37	46.84	45.75	46.80
New York	159.4	161.3	157.2	158.1	154.3	41.19	41.45	40.32	40.52	39.46
Pennsylvania	154.7	152.2	144.6	145.3	144.3	38.05	37.25	35.50	35.62	35.43
East North Central	**148.7**	**150.9**	**154.4**	**160.4**	**164.2**	**32.63**	**33.17**	**34.10**	**35.70**	**36.62**
Illinois	171.4	175.1	181.1	190.6	200.0	36.76	37.79	38.78	40.53	42.80
Indiana	134.4	136.2	135.9	143.2	146.7	28.41	28.78	29.08	31.03	31.93
Michigan	159.2	159.9	172.1	175.7	175.3	35.20	35.60	38.83	40.80	40.55
Ohio	147.9	151.5	148.7	152.2	156.0	35.33	36.01	35.21	36.22	37.15
Wisconsin	135.8	135.8	144.8	146.4	147.2	26.19	26.18	28.10	28.39	28.35
West North Central	**112.2**	**113.0**	**114.4**	**115.4**	**120.5**	**19.44**	**19.66**	**19.85**	**20.11**	**21.23**
Iowa	110.4	111.8	121.8	123.5	124.6	19.62	19.89	21.77	22.74	22.81
Kansas	122.6	124.2	123.9	123.9	126.7	22.06	22.23	22.00	22.25	22.22
Minnesota	126.0	125.2	119.8	119.6	120.6	22.18	22.00	21.01	20.91	21.09
Missouri	134.2	134.8	135.0	138.2	141.3	27.65	28.03	28.00	28.75	29.96
Nebraska	74.5	75.2	82.7	84.1	94.5	12.73	12.88	14.32	14.49	16.26
North Dakota	70.9	68.6	69.4	70.3	79.3	9.37	9.10	9.13	9.26	10.46
South Dakota	113.3	114.6	124.1	121.4	123.4	13.65	13.97	15.24	15.39	14.95
South Atlantic	**169.7**	**168.9**	**165.8**	**166.5**	**166.5**	**42.18**	**41.86**	**41.19**	**41.54**	**41.50**
Delaware	178.2	181.5	179.3	180.6	181.1	46.51	47.31	46.41	46.60	47.33
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida	185.7	184.9	178.7	177.7	181.4	45.87	45.72	44.26	44.16	44.98
Georgia	179.9	178.6	177.5	174.7	178.9	42.95	42.48	42.96	42.53	43.56
Maryland	163.4	164.7	161.1	157.6	157.7	41.83	41.96	40.92	40.12	39.97
North Carolina	177.9	178.0	177.0	177.5	179.0	44.49	44.64	44.35	44.65	44.92
South Carolina	162.6	172.0	170.7	176.0	174.0	41.37	43.54	43.08	44.63	44.01
Virginia	152.2	154.5	154.8	155.1	158.1	38.87	39.29	39.29	39.72	40.52
West Virginia	151.7	147.2	142.5	144.1	142.2	37.93	36.66	35.33	35.95	35.38
East South Central	**142.3**	**143.3**	**142.9**	**148.4**	**151.2**	**33.93**	**33.98**	**33.73**	**35.38**	**35.95**
Alabama	181.0	184.3	186.5	194.7	192.4	43.82	44.58	44.84	47.37	47.04
Kentucky	117.7	119.3	113.7	119.8	125.8	27.19	27.58	26.13	27.61	28.94
Mississippi	166.9	165.4	167.1	181.2	195.5	41.92	41.49	42.29	45.88	49.56
Tennessee	125.2	134.2	134.3	133.5	136.7	30.48	32.12	31.94	32.17	32.74
West South Central	**149.9**	**148.8**	**147.5**	**149.5**	**156.2**	**22.98**	**22.91**	**22.69**	**23.08**	**23.92**
Arkansas	159.7	161.1	163.1	158.5	155.2	27.90	28.17	28.45	27.47	26.94
Louisiana	164.7	169.5	162.7	155.5	164.4	27.09	27.78	26.64	25.48	26.84
Oklahoma	131.8	140.4	136.1	148.2	155.7	23.17	24.98	24.03	26.42	27.56
Texas	149.9	145.3	144.9	147.2	155.2	21.66	21.19	21.12	21.50	22.48
Mountain	**113.6**	**113.3**	**111.6**	**109.5**	**112.1**	**22.22**	**22.19**	**21.80**	**21.32**	**22.01**
Arizona	140.8	143.0	136.0	140.5	129.9	29.16	29.98	28.81	29.92	27.56
Colorado	108.7	106.1	106.4	106.6	111.8	21.49	20.81	20.95	20.84	22.01
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	67.1	67.0	57.7	54.5	64.8	11.44	11.47	9.81	9.29	11.12
Nevada	140.6	149.1	152.0	136.3	139.9	31.28	33.16	33.80	30.21	31.28
New Mexico	137.6	131.8	123.8	117.5	120.8	25.02	24.03	22.61	21.24	21.87
Utah	119.4	116.7	123.9	126.5	125.2	27.40	26.80	28.05	29.07	29.09
Wyoming	83.1	83.6	84.5	84.0	87.0	14.55	14.74	14.86	14.71	15.27
Pacific Contiguous	**142.6**	**149.4**	**155.6**	**154.5**	**164.9**	**23.16**	**24.42**	**25.40**	**25.41**	**26.82**
California	—	—	—	—	—	—	—	—	—	—
Oregon	108.4	107.9	—	139.0	140.2	18.28	18.02	—	23.70	23.78
Washington	155.1	157.6	155.6	155.2	167.1	24.86	25.64	25.40	25.48	27.08
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—
Total	**144.7**	**145.5**	**144.6**	**146.6**	**150.6**	**30.02**	**30.45**	**30.15**	**30.64**	**31.83**

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

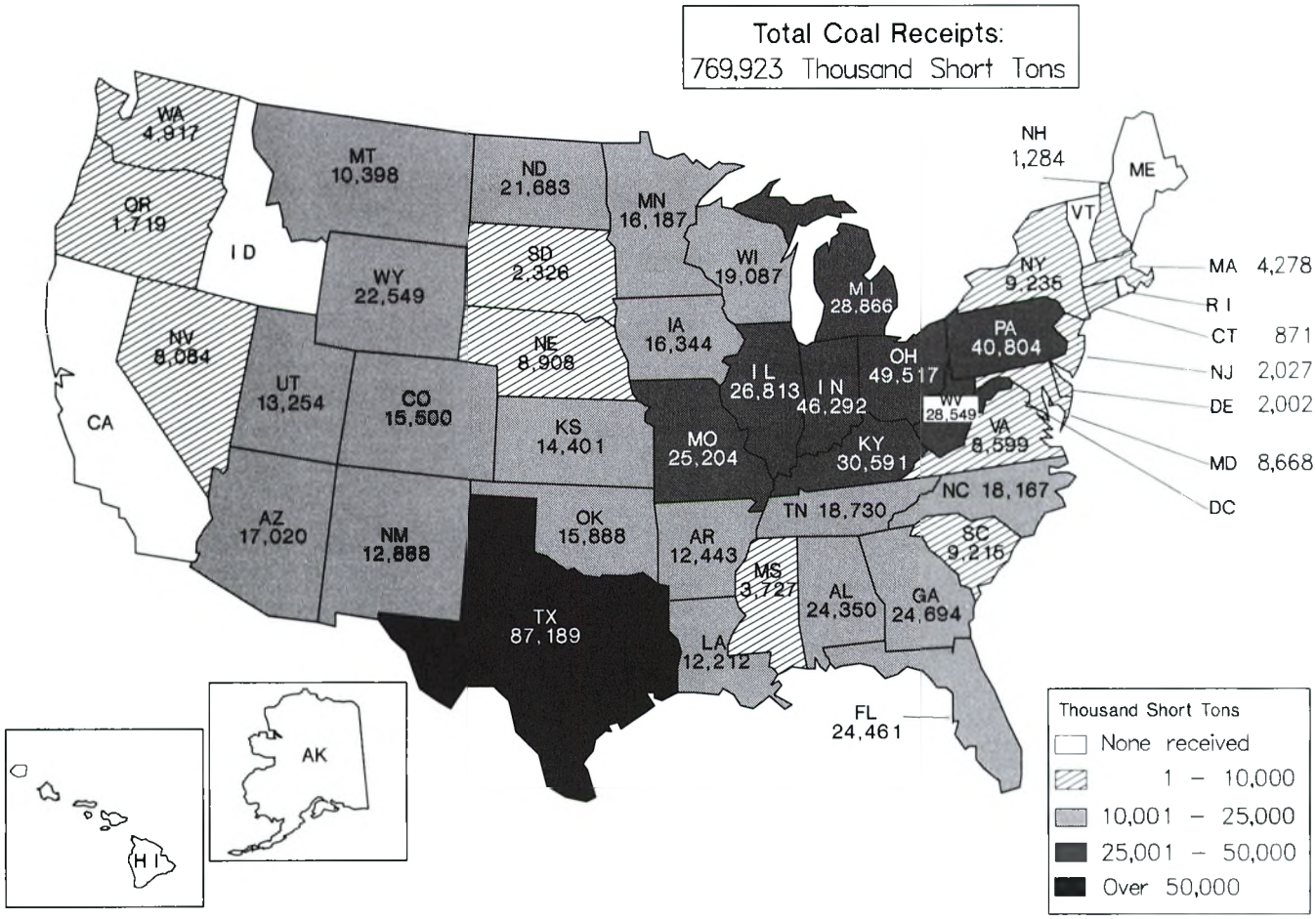
Table 8. Receipts and Average Delivered Cost of Coal by Census Division and State, 1991

Census Division and State	Type of Purchase						Mine Type					
	Contract			Spot			Surface			Underground		
	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)
New England	**5,479**	**179.9**	**47.27**	**954**	**173.1**	**46.36**	**436**	**172.0**	**44.62**	**5,997**	**179.4**	**47.32**
Connecticut	792	221.0	58.52	79	172.6	45.54	—	—	—	871	216.6	57.35
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	3,570	172.5	45.16	708	172.3	46.19	229	170.5	44.19	4,048	172.6	45.40
New Hampshire	1,117	174.0	46.02	167	176.8	47.45	207	173.6	45.10	1,077	174.5	46.42
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**41,841**	**162.7**	**40.71**	**10,225**	**130.6**	**31.94**	**17,086**	**143.7**	**35.14**	**34,980**	**162.6**	**40.86**
New Jersey	1,874	178.5	47.95	153	174.0	45.38	562	173.9	44.80	1,464	179.7	48.89
New York	5,964	163.2	42.85	3,271	152.1	38.18	2,266	153.0	37.40	6,969	161.3	42.43
Pennsylvania	34,003	161.6	39.93	6,801	118.8	28.63	14,257	140.9	34.40	26,547	161.9	40.01
East North Central	**134,746**	**156.6**	**34.35**	**35,829**	**119.1**	**26.19**	**115,705**	**145.3**	**30.71**	**54,871**	**155.1**	**36.69**
Illinois	22,858	179.4	38.36	3,955	126.5	27.52	14,734	196.2	40.79	12,079	143.2	31.85
Indiana	37,049	138.2	29.14	9,243	119.1	25.46	34,463	126.2	26.18	11,829	156.6	34.89
Michigan	24,473	164.2	36.33	4,393	131.3	28.87	22,386	154.0	32.24	6,481	173.8	45.43
Ohio	37,081	159.7	38.14	12,436	112.7	26.96	27,801	142.8	33.80	21,716	154.3	37.30
Wisconsin	13,285	142.4	27.70	5,802	120.3	22.74	16,321	130.9	23.80	2,766	156.4	40.33
West North Central	**87,918**	**114.3**	**19.57**	**17,136**	**102.1**	**18.78**	**96,101**	**105.4**	**17.69**	**8,953**	**165.6**	**38.21**
Iowa	11,082	121.9	21.96	5,262	85.1	14.70	15,841	108.4	19.11	503	157.5	35.68
Kansas	11,129	127.6	22.41	3,272	107.1	20.86	13,576	119.7	21.16	825	158.8	36.84
Minnesota	15,820	125.8	22.10	367	133.7	25.69	16,126	125.8	22.12	61	163.4	39.79
Missouri	19,251	137.4	28.73	5,953	123.3	24.15	17,652	117.7	22.99	7,551	167.0	38.53
Nebraska	6,939	77.3	13.27	1,970	64.5	10.82	8,896	74.4	12.71	12	128.0	28.63
North Dakota	21,371	71.3	9.43	312	41.5	5.25	21,683	70.9	9.37	—	—	—
South Dakota	2,326	113.3	13.65	—	—	—	2,326	113.3	13.65	—	—	—
South Atlantic	**99,533**	**177.4**	**44.18**	**24,823**	**138.4**	**34.13**	**45,698**	**168.8**	**41.55**	**78,658**	**170.3**	**42.54**
Delaware	1,677	180.4	47.13	325	166.7	43.30	500	179.0	46.29	1,502	177.9	46.58
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	19,469	196.7	48.72	4,992	142.3	34.76	8,776	185.3	45.42	15,685	185.9	46.12
Georgia	19,151	189.1	45.55	5,543	146.8	33.97	11,149	164.9	39.00	13,545	192.1	46.20
Maryland	7,220	166.8	42.66	1,448	146.9	37.68	4,653	168.6	42.55	4,015	157.6	40.99
North Carolina	15,867	183.9	45.91	2,300	137.1	34.74	7,870	176.3	44.06	10,297	179.1	44.82
South Carolina	6,051	171.7	43.54	3,164	145.3	37.21	2,611	157.6	39.97	6,604	164.5	41.92
Virginia	5,335	158.5	40.47	3,265	142.0	36.25	2,996	148.5	37.87	5,603	154.2	39.41
West Virginia	24,764	158.3	39.66	3,786	107.7	26.61	7,143	158.3	39.13	21,406	149.5	37.53
East South Central	**66,108**	**145.9**	**34.78**	**11,290**	**121.1**	**28.94**	**37,350**	**138.1**	**32.81**	**40,047**	**146.2**	**34.97**
Alabama	19,749	192.1	46.48	4,600	133.4	32.42	10,515	180.8	44.26	13,835	181.2	43.49
Kentucky	25,023	119.7	27.50	5,567	109.0	25.84	20,557	117.9	27.68	10,034	117.3	26.21
Mississippi	3,331	169.5	42.98	396	143.5	32.98	1,105	150.4	36.74	2,622	173.7	44.10
Tennessee	18,004	125.3	30.56	726	121.9	28.49	5,174	124.8	29.11	13,556	125.4	30.99
West South Central	**121,439**	**151.2**	**22.99**	**6,274**	**129.4**	**22.82**	**127,031**	**149.8**	**22.90**	**682**	**166.5**	**38.18**
Arkansas	12,002	160.8	28.15	441	126.7	21.08	12,443	159.7	27.90	—	—	—
Louisiana	12,212	164.7	27.09	—	—	—	12,059	164.9	26.91	152	158.6	41.80
Oklahoma	13,579	136.4	23.95	2,289	105.0	18.57	15,868	131.8	23.17	—	—	—
Texas	83,646	150.1	21.49	3,543	145.5	25.78	86,660	149.7	21.57	529	169.2	37.13
Mountain	**92,619**	**115.6**	**22.52**	**7,074**	**88.8**	**18.18**	**79,607**	**108.9**	**20.38**	**20,086**	**129.1**	**29.50**
Arizona	16,805	140.5	29.05	215	160.7	37.15	16,266	139.3	28.64	754	168.9	40.22
Colorado	12,757	112.0	21.73	2,743	94.7	20.39	11,975	106.9	20.46	3,526	114.1	24.99
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	10,398	67.1	11.44	—	—	—	10,398	67.1	11.44	—	—	—
Nevada	8,084	140.6	31.28	—	—	—	5,531	118.3	25.65	2,553	185.5	43.48
New Mexico	12,888	137.6	25.02	—	—	—	12,888	137.6	25.02	—	—	—
Utah	11,713	121.2	27.64	1,541	106.9	25.55	—	—	—	13,254	119.4	27.40
Wyoming	19,973	86.3	15.15	2,576	57.6	9.84	22,549	83.1	14.55	—	—	—
Pacific Contiguous	**5,788**	**147.4**	**23.78**	**848**	**111.3**	**18.91**	**6,636**	**142.6**	**23.16**	—	—	—
California	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	898	109.2	18.39	821	107.5	18.15	1,719	108.4	18.28	—	—	—
Washington	4,890	154.7	24.77	27	209.0	41.82	4,917	155.1	24.86	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**655,471**	**148.9**	**30.55**	**114,452**	**122.2**	**27.02**	**525,651**	**136.3**	**26.03**	**244,272**	**158.8**	**38.62**

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

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

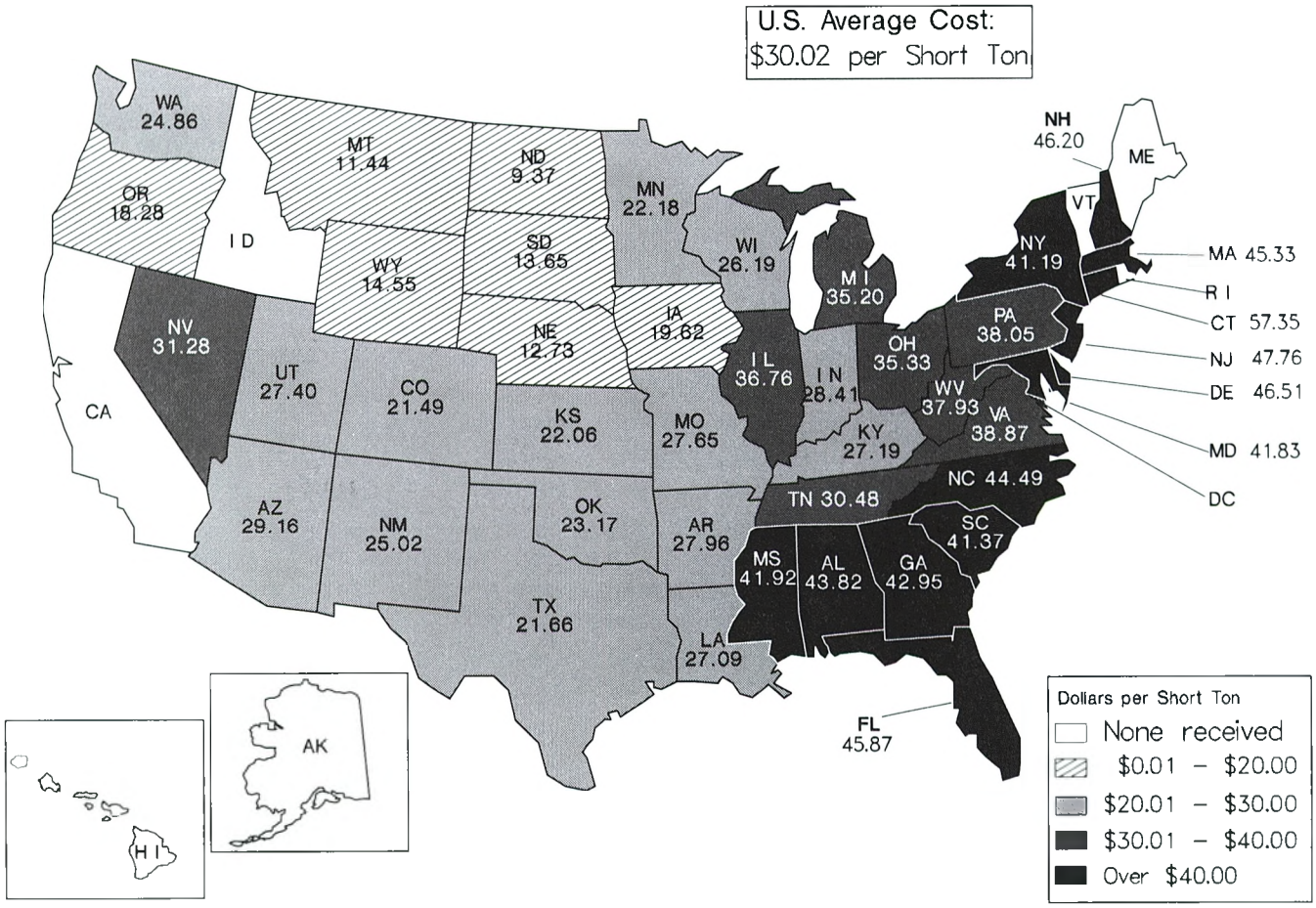
Figure 1. Receipts of Coal, 1991



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

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

Figure 2. Average Delivered Cost of Coal, 1991



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

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

Table 9. Receipts of Coal by Rank, Census Division, and State, 1991
(Thousand Short Tons)

Census Division and State	Receipts by Rank				
	Anthracite	Bituminous	Subbituminous	Lignite	Total
New England	—	6,433	—	—	6,433
Connecticut	—	871	—	—	871
Maine	—	—	—	—	—
Massachusetts	—	4,278	—	—	4,278
New Hampshire	—	1,284	—	—	1,284
Rhode Island	—	—	—	—	—
Vermont	—	—	—	—	—
Middle Atlantic	723	51,334	9	—	52,066
New Jersey	—	2,027	—	—	2,027
New York	5	9,222	9	—	9,235
Pennsylvania	718	40,086	—	—	40,804
East North Central	—	125,183	45,393	—	170,575
Illinois	—	19,987	6,826	—	26,813
Indiana	—	35,331	10,962	—	46,292
Michigan	—	14,713	14,153	—	28,866
Ohio	—	49,472	45	—	49,517
Wisconsin	—	5,680	13,407	—	19,087
West North Central	—	22,292	58,752	24,010	105,054
Iowa	—	2,852	13,493	—	16,344
Kansas	—	3,240	11,162	—	14,401
Minnesota	—	136	16,050	1	16,187
Missouri	—	16,052	9,152	—	25,204
Nebraska	—	12	8,896	—	8,908
North Dakota	—	—	—	21,683	21,683
South Dakota	—	—	—	2,326	2,326
South Atlantic	—	123,148	1,207	—	124,355
Delaware	—	2,002	—	—	2,002
District of Columbia	—	—	—	—	—
Florida	—	24,461	—	—	24,461
Georgia	—	23,487	1,207	—	24,694
Maryland	—	8,668	—	—	8,668
North Carolina	—	18,167	—	—	18,167
South Carolina	—	9,215	—	—	9,215
Virginia	—	8,599	—	—	8,599
West Virginia	—	28,549	—	—	28,549
East South Central	—	76,786	612	—	77,397
Alabama	—	24,350	—	—	24,350
Kentucky	—	30,084	506	—	30,591
Mississippi	—	3,621	105	—	3,727
Tennessee	—	18,730	—	—	18,730
West South Central	—	2,366	70,771	54,575	127,713
Arkansas	—	—	12,443	—	12,443
Louisiana	—	152	8,909	3,150	12,212
Oklahoma	—	480	15,388	—	15,868
Texas	—	1,734	34,031	51,425	87,189
Mountain	—	42,893	56,575	225	99,693
Arizona	—	13,557	3,463	—	17,020
Colorado	—	6,257	9,243	—	15,500
Idaho	—	—	—	—	—
Montana	—	—	10,173	225	10,398
Nevada	—	7,615	469	—	8,084
New Mexico	—	—	12,888	—	12,888
Utah	—	13,254	—	—	13,254
Wyoming	—	2,210	20,339	—	22,549
Pacific Contiguous	—	27	6,609	—	6,636
California	—	—	—	—	—
Oregon	—	—	1,719	—	1,719
Washington	—	27	4,890	—	4,917
Pacific Noncontiguous	—	—	—	—	—
Alaska	—	—	—	—	—
Hawaii	—	—	—	—	—
Total	723	450,462	239,929	78,810	769,923

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

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

Table 10. Receipts and Average Delivered Cost of Coal by Sulfur Content, Census Division and State, 1991

Census Division and State	0.5% or Less			More than 0.5% up to 1.0%			More than 1.0% up to 1.5%		
	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)
New England	**29**	**173.9**	**45.57**	**1,897**	**193.3**	**51.31**	**3,392**	**173.2**	**45.42**
Connecticut	—	—	—	871	216.6	57.35	—	—	—
Maine	—	—	—	—	—	—	—	—	—
Massachusetts	—	—	—	730	172.6	46.11	3,033	172.9	45.26
New Hampshire	29	173.9	45.57	296	176.4	46.34	359	175.9	46.76
Rhode Island	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—
Middle Atlantic	**287**	**143.2**	**27.12**	**5,834**	**173.1**	**43.44**	**3,435**	**163.8**	**40.48**
New Jersey	—	—	—	1,421	180.8	49.18	—	—	—
New York	83	201.9	50.04	1,847	198.0	50.38	371	154.0	37.18
Pennsylvania	204	107.4	17.77	2,566	148.9	35.27	3,064	165.0	40.88
East North Central	**44,288**	**152.0**	**27.45**	**26,499**	**163.1**	**39.30**	**11,894**	**165.5**	**40.33**
Illinois	7,093	259.7	49.68	2,933	165.4	40.81	147	127.9	28.70
Indiana	11,582	132.3	23.29	3,104	167.6	39.36	1,403	125.2	28.08
Michigan	13,761	143.0	26.65	10,488	171.4	42.79	3,390	175.9	45.96
Ohio	47	140.1	24.22	7,921	148.2	35.95	6,112	168.9	40.42
Wisconsin	11,805	111.1	19.11	2,053	167.6	32.16	842	165.0	39.36
West North Central	**51,344**	**102.2**	**17.70**	**30,299**	**98.7**	**14.28**	**4,822**	**158.2**	**31.33**
Iowa	13,831	99.5	16.94	124	117.1	22.48	101	98.0	16.70
Kansas	12,807	119.0	20.69	—	—	—	—	—	—
Minnesota	7,543	114.6	20.27	8,495	135.5	23.64	40	161.5	36.24
Missouri	8,267	98.7	17.39	1,356	100.4	17.91	2,966	189.2	44.19
Nebraska	8,896	74.4	12.71	12	128.0	28.63	—	—	—
North Dakota	—	—	—	17,986	73.4	9.61	1,715	71.5	9.83
South Dakota	—	—	—	2,326	113.3	13.65	—	—	—
South Atlantic	**1,232**	**155.1**	**27.13**	**44,309**	**175.3**	**44.01**	**37,606**	**169.7**	**42.61**
Delaware	—	—	—	1,320	182.6	47.64	565	171.0	44.74
District of Columbia	—	—	—	—	—	—	—	—	—
Florida	24	227.3	44.62	7,965	180.3	45.22	6,084	191.6	48.50
Georgia	1,207	153.4	26.78	4,806	191.3	47.52	9,252	169.4	41.49
Maryland	—	—	—	3,150	157.3	40.44	1,751	156.5	40.31
North Carolina	—	—	—	11,312	181.3	45.01	6,826	172.3	43.63
South Carolina	—	—	—	2,196	162.6	41.62	5,984	163.3	41.55
Virginia	—	—	—	5,274	153.0	38.87	3,164	150.8	38.81
West Virginia	*	123.0	30.33	8,287	176.9	44.11	3,978	162.3	39.81
East South Central	**1,463**	**190.4**	**41.96**	**22,284**	**171.2**	**42.15**	**8,582**	**137.4**	**33.91**
Alabama	960	213.3	52.21	11,185	205.5	50.09	2,432	163.1	39.79
Kentucky	398	124.1	21.17	7,037	127.1	31.06	2,166	133.2	32.13
Mississippi	105	145.2	27.14	2,034	183.0	46.68	69	212.3	52.54
Tennessee	—	—	—	2,028	126.0	32.25	3,915	122.8	30.92
West South Central	**82,605**	**162.1**	**26.93**	**17,007**	**134.3**	**17.85**	**21,000**	**113.3**	**14.50**
Arkansas	12,443	159.7	27.90	—	—	—	—	—	—
Louisiana	8,909	174.0	29.91	3,302	135.0	19.49	—	—	—
Oklahoma	15,392	131.5	22.78	66	183.2	46.45	158	144.4	38.05
Texas	45,860	171.5	27.48	13,639	133.7	17.31	20,842	112.8	14.32
Mountain	**51,375**	**111.7**	**22.42**	**48,290**	**115.8**	**22.00**	**29**	**76.5**	**15.29**
Arizona	8,771	149.9	31.27	8,249	131.0	26.91	—	—	—
Colorado	14,782	108.8	21.39	707	105.7	23.63	11	95.0	17.52
Idaho	—	—	—	—	—	—	—	—	—
Montana	37	109.6	14.15	10,360	67.0	11.43	—	—	—
Nevada	4,581	129.6	28.59	3,503	154.7	34.80	—	—	—
New Mexico	—	—	—	12,888	137.6	25.02	—	—	—
Utah	12,060	117.9	26.94	1,194	134.7	31.99	—	—	—
Wyoming	11,143	58.3	9.42	11,388	103.9	19.56	18	66.9	14.00
Pacific Contiguous	**1,741**	**109.9**	**18.57**	**4,895**	**154.8**	**24.79**	—	—	—
California	—	—	—	—	—	—	—	—	—
Oregon	1,719	108.4	18.28	—	—	—	—	—	—
Washington	22	208.8	41.70	4,895	154.8	24.79	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Total	**234,364**	**134.8**	**24.05**	**201,315**	**149.2**	**30.80**	**90,760**	**157.3**	**34.40**

* = Number less than 0.5.

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

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

Table 10. Receipts and Average Delivered Cost of Coal by Sulfur Content, by Census Division and State, 1991 (Continued)

Census Division and State	More than 1.5% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Receipts	
	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Receipts (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	(cents per 10^6 Btu)	($ per short ton)
New England	**896**	**172.7**	**45.50**	**220**	**165.9**	**44.48**	**—**	**—**	**—**	**178.9**	**47.13**
Connecticut	—	—	—	—	—	—	—	—	—	216.6	57.35
Maine	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	515	169.9	44.67	—	—	—	—	—	—	172.5	45.33
New Hampshire	381	176.4	46.61	220	165.9	44.48	—	—	—	174.4	46.20
Rhode Island	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**16,662**	**158.0**	**39.50**	**20,455**	**148.1**	**37.13**	**5,392**	**161.9**	**39.30**	**156.5**	**38.99**
New Jersey	7	181.4	45.52	599	171.5	44.42	—	—	—	178.2	47.76
New York	2,973	153.8	39.68	3,951	145.6	38.23	9	160.6	42.32	159.4	41.19
Pennsylvania	13,682	158.9	39.46	15,904	147.8	36.58	5,383	161.9	39.30	154.7	38.05
East North Central	**12,523**	**145.2**	**34.20**	**32,849**	**138.3**	**31.57**	**42,523**	**140.7**	**32.08**	**148.7**	**32.63**
Illinois	1,743	114.3	26.44	8,624	141.7	31.23	6,273	145.6	30.93	171.4	36.76
Indiana	4,804	152.1	33.01	11,775	122.7	27.29	13,624	132.7	29.63	134.4	28.41
Michigan	497	135.8	35.90	559	139.7	34.55	171	184.3	43.46	159.2	35.20
Ohio	3,202	144.9	36.02	9,786	145.0	34.99	22,449	143.7	33.80	147.9	35.33
Wisconsin	2,276	156.7	39.75	2,105	177.1	40.20	6	122.0	26.00	135.8	26.19
West North Central	**2,445**	**77.5**	**12.01**	**7,997**	**146.4**	**32.96**	**8,147**	**143.1**	**31.52**	**112.2**	**19.44**
Iowa	209	164.2	36.28	1,300	149.1	33.26	779	178.9	40.06	110.4	19.62
Kansas	155	133.4	31.33	1,325	148.1	33.58	115	121.3	28.96	122.6	22.06
Minnesota	98	155.1	35.40	10	162.0	39.33	—	—	—	126.0	22.18
Missouri	—	—	—	5,362	145.3	32.72	7,254	139.5	30.64	134.2	27.65
Nebraska	—	—	—	—	—	—	—	—	—	74.5	12.73
North Dakota	1,982	49.0	6.78	—	—	—	—	—	—	70.9	9.37
South Dakota	—	—	—	—	—	—	—	—	—	113.3	13.65
South Atlantic	**12,796**	**158.4**	**39.44**	**18,233**	**174.8**	**42.69**	**10,180**	**151.6**	**36.95**	**169.7**	**42.18**
Delaware	117	162.5	42.23	—	—	—	—	—	—	178.2	46.51
District of Columbia	—	—	—	—	—	—	—	—	—	—	—
Florida	58	164.4	41.02	9,378	189.2	45.49	952	159.5	38.52	185.7	45.87
Georgia	2,805	172.3	43.64	3,677	196.4	46.14	2,946	190.4	42.07	179.9	42.95
Maryland	3,041	174.1	44.08	726	162.9	42.04	—	—	—	163.4	41.83
North Carolina	28	177.6	45.40	—	—	—	—	—	—	177.9	44.49
South Carolina	938	158.9	39.89	96	151.4	38.88	—	—	—	162.6	41.37
Virginia	114	147.5	37.96	48	171.8	45.37	—	—	—	152.2	38.87
West Virginia	5,695	142.5	34.75	4,307	131.2	33.81	6,282	134.7	34.31	151.7	37.93
East South Central	**9,345**	**140.3**	**34.00**	**23,313**	**128.8**	**30.41**	**12,409**	**111.3**	**24.80**	**142.3**	**33.93**
Alabama	4,405	156.7	37.61	4,126	161.5	38.83	1,241	116.6	27.38	181.0	43.82
Kentucky	1,107	120.8	29.17	8,714	113.8	26.31	11,168	110.6	24.51	117.7	27.19
Mississippi	—	—	—	1,519	144.2	36.09	—	—	—	166.9	41.92
Tennessee	3,833	127.5	31.25	8,954	125.1	29.55	—	—	—	125.2	30.48
West South Central	**6,943**	**113.0**	**14.04**	**4**	**131.2**	**31.85**	**153**	**109.3**	**28.53**	**149.9**	**22.98**
Arkansas	—	—	—	—	—	—	—	—	—	159.7	27.90
Louisiana	—	—	—	—	—	—	—	—	—	164.7	27.09
Oklahoma	95	143.4	37.01	4	131.2	31.85	153	109.3	28.53	131.8	23.17
Texas	6,848	112.1	13.72	—	—	—	—	—	—	149.9	21.66
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**113.6**	**22.22**
Arizona	—	—	—	—	—	—	—	—	—	140.8	29.16
Colorado	—	—	—	—	—	—	—	—	—	108.7	21.49
Idaho	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—	67.1	11.44
Nevada	—	—	—	—	—	—	—	—	—	140.6	31.28
New Mexico	—	—	—	—	—	—	—	—	—	137.6	25.02
Utah	—	—	—	—	—	—	—	—	—	119.4	27.40
Wyoming	—	—	—	—	—	—	—	—	—	83.1	14.55
Pacific Contiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**142.6**	**23.16**
California	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	108.4	18.28
Washington	—	—	—	—	—	—	—	—	—	155.1	24.86
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Alaska	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—
Total	**61,610**	**147.9**	**33.70**	**103,071**	**145.5**	**34.51**	**78,804**	**139.4**	**31.99**	**144.7**	**30.02**

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

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

Table 11. Monthly Receipts, Heating Value, and Cost of Coal by Census Division, 1991

Census Division	January	February	March	April	May	June
New England						
Receipts (1,000 Short Tons)	516	556	561	483	523	477
Total Heating Value, (Billion Btu)	13,704.6	14,564.6	14,711.1	12,706.4	13,833.7	12,597.4
Sulfur Content, (% by Weight)	1.1	1.1	1.2	1.2	1.0	1.3
Avg. Cost, (Cents per Million Btu)	181.1	182.8	183.0	177.0	178.4	174.1
Total Coal Bill, ($1,000)	24,820.2	26,619.3	26,926.0	22,495.9	24,675.6	21,937.2
Middle Atlantic						
Receipts (1,000 Short Tons)	4,539	4,187	4,313	4,512	4,474	4,459
Total Heating Value, (Billion Btu)	112,862.9	104,812.3	108,038.0	112,644.3	111,613.2	110,785.3
Sulfur Content, (% by Weight)	2.0	2.0	2.0	2.0	2.0	2.0
Avg. Cost, (Cents per Million Btu)	161.4	161.0	158.9	158.2	154.6	156.4
Total Coal Bill, ($1,000)	182,127.4	168,769.1	171,714.7	178,223.0	172,606.0	173,261.1
East North Central						
Receipts (1,000 Short Tons)	12,504	12,622	13,471	13,938	15,388	14,626
Total Heating Value, (Billion Btu)	279,027.7	279,244.9	297,127.6	304,165.1	336,956.1	319,707.9
Sulfur Content, (% by Weight)	2.1	1.9	1.9	1.8	1.7	1.7
Avg. Cost, (Cents per Million Btu)	151.8	152.9	151.1	150.9	151.6	150.5
Total Coal Bill, ($1,000)	423,494.6	426,996.4	449,012.8	458,984.3	510,874.5	481,143.6
West North Central						
Receipts (1,000 Short Tons)	8,570	8,688	9,013	7,985	7,847	8,644
Total Heating Value, (Billion Btu)	145,992.2	149,466.3	155,150.1	139,235.3	137,790.4	151,555.7
Sulfur Content, (% by Weight)	.9	.9	.9	.9	1.0	1.0
Avg. Cost, (Cents per Million Btu)	113.5	112.3	111.6	119.4	121.7	117.7
Total Coal Bill, ($1,000)	165,641.4	167,828.9	173,158.5	166,296.2	167,691.7	178,435.1
South Atlantic						
Receipts (1,000 Short Tons)	11,040	10,164	10,397	9,330	10,032	9,859
Total Heating Value, (Billion Btu)	271,146.0	250,725.4	256,590.0	231,461.1	249,927.9	245,956.2
Sulfur Content, (% by Weight)	1.5	1.5	1.5	1.6	1.6	1.5
Avg. Cost, (Cents per Million Btu)	171.0	170.8	171.9	173.1	170.8	170.8
Total Coal Bill, ($1,000)	463,640.2	428,144.8	441,197.8	400,592.1	426,848.9	420,064.2
East South Central						
Receipts (1,000 Short Tons)	6,097	6,201	6,656	6,709	6,507	6,029
Total Heating Value, (Billion Btu)	144,438.1	146,807.3	157,465.8	158,750.2	154,884.1	144,422.4
Sulfur Content, (% by Weight)	2.0	2.1	2.1	2.0	2.0	2.0
Avg. Cost, (Cents per Million Btu)	142.0	141.8	141.2	144.4	144.0	144.8
Total Coal Bill, ($1,000)	205,066.6	208,196.0	222,365.0	229,194.4	222,973.7	209,144.6
West South Central						
Receipts (1,000 Short Tons)	10,871	10,433	10,610	9,489	10,311	10,597
Total Heating Value, (Billion Btu)	165,562.5	160,480.5	164,061.1	148,763.6	158,478.4	159,076.7
Sulfur Content, (% by Weight)	.6	.6	.7	.6	.6	.7
Avg. Cost, (Cents per Million Btu)	145.1	154.4	147.1	153.3	154.6	150.0
Total Coal Bill, ($1,000)	240,241.2	247,774.2	241,253.4	228,033.5	245,045.2	238,572.3
Mountain						
Receipts (1,000 Short Tons)	9,106	7,990	8,184	8,100	7,590	6,625
Total Heating Value, (Billion Btu)	177,913.6	156,547.6	160,079.3	158,093.0	148,616.3	129,869.7
Sulfur Content, (% by Weight)	.6	.5	.5	.5	.5	.5
Avg. Cost, (Cents per Million Btu)	112.8	116.6	116.2	114.8	118.9	119.7
Total Coal Bill, ($1,000)	200,688.3	182,603.3	185,955.5	181,501.8	176,639.4	155,519.0
Pacific Contiguous						
Receipts (1,000 Short Tons)	489	567	619	547	587	358
Total Heating Value, (Billion Btu)	7,970.2	9,129.6	10,012.2	8,831.8	9,580.2	5,831.3
Sulfur Content, (% by Weight)	.5	.5	.5	.6	.5	.7
Avg. Cost, (Cents per Million Btu)	144.7	140.2	141.6	140.1	133.5	145.5
Total Coal Bill, ($1,000)	11,529.9	12,801.2	14,178.1	12,372.2	12,789.0	8,481.7
Pacific Noncontiguous						
Receipts (1,000 Short Tons)	—	—	—	—	—	—
Total Heating Value, (Billion Btu)	—	—	—	—	—	—
Sulfur Content, (% by Weight)	—	—	—	—	—	—
Avg. Cost, (Cents per Million Btu)	—	—	—	—	—	—
Total Coal Bill, ($1,000)	—	—	—	—	—	—
Total						
Receipts (1,000 Short Tons)	63,732	61,407	63,825	61,093	63,259	61,674
Total Heating Value, (Billion Btu)	1,318,617.8	1,271,778.5	1,323,235.3	1,274,650.9	1,321,680.4	1,279,802.6
Sulfur Content, (% by Weight)	1.3	1.3	1.3	1.3	1.3	1.3
Avg. Cost, (Cents per Million Btu)	145.4	147.0	145.5	147.3	148.3	147.4
Total Coal Bill, ($1,000)	1,917,249.8	1,869,733.1	1,925,761.9	1,877,693.4	1,960,144.1	1,886,558.6

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

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

Table 11. Monthly Receipts, Heating Value, and Cost of Coal by Census Division, 1991 (Continued)

Census Division	July	August	September	October	November	December	12-Month Total
New England							
Receipts (1,000 Short Tons)	488	575	541	582	567	563	6,433
Total Heating Value, (Billion Btu)	12,895.8	15,084.5	14,318.8	15,447.3	14,820.6	14,833.7	169,518.5
Sulfur Content, (% by Weight)	1.3	1.2	1.1	1.1	1.2	1.2	1.2
Avg. Cost, (Cents per Million Btu)	176.9	182.5	174.6	177.2	177.2	180.3	178.9
Total Coal Bill, ($1,000)	22,813.8	27,535.2	25,001.3	27,372.1	26,261.0	26,746.2	303,203.7
Middle Atlantic							
Receipts (1,000 Short Tons)	3,994	4,590	4,638	4,667	3,795	3,897	52,066
Total Heating Value, (Billion Btu)	99,069.1	113,986.2	115,453.9	115,966.9	94,776.9	96,960.9	1,296,970.0
Sulfur Content, (% by Weight)	2.0	2.1	2.1	2.1	2.0	2.1	2.0
Avg. Cost, (Cents per Million Btu)	153.3	154.8	154.5	154.5	154.3	155.7	156.5
Total Coal Bill, ($1,000)	151,920.6	176,451.4	178,378.1	179,153.1	146,285.5	150,951.9	2,029,841.8
East North Central							
Receipts (1,000 Short Tons)	15,052	15,180	14,194	15,499	13,977	14,126	170,575
Total Heating Value, (Billion Btu)	327,071.0	332,312.2	310,497.5	339,706.7	307,562.6	309,248.7	3,742,628.0
Sulfur Content, (% by Weight)	1.7	1.8	1.8	1.8	1.8	1.9	1.8
Avg. Cost, (Cents per Million Btu)	149.0	149.0	147.4	144.6	144.7	142.0	148.7
Total Coal Bill, ($1,000)	487,294.7	495,187.9	457,762.9	491,299.2	445,052.2	439,138.1	5,566,241.1
West North Central							
Receipts (1,000 Short Tons)	9,575	9,677	8,717	8,570	8,291	9,476	105,054
Total Heating Value, (Billion Btu)	165,954.2	168,794.4	153,464.6	148,713.1	142,037.6	162,391.7	1,820,545.6
Sulfur Content, (% by Weight)	.9	1.0	.9	.9	.9	.9	.9
Avg. Cost, (Cents per Million Btu)	111.6	110.1	110.9	108.3	107.2	104.0	112.2
Total Coal Bill, ($1,000)	185,194.4	185,762.2	170,210.3	161,101.5	152,298.1	168,914.1	2,042,532.4
South Atlantic							
Receipts (1,000 Short Tons)	9,417	11,614	10,781	11,282	10,334	10,106	124,355
Total Heating Value, (Billion Btu)	235,023.3	289,938.1	269,166.3	282,244.0	257,382.6	250,786.1	3,090,346.9
Sulfur Content, (% by Weight)	1.5	1.5	1.5	1.6	1.5	1.5	1.5
Avg. Cost, (Cents per Million Btu)	170.2	167.8	167.6	168.5	168.6	166.3	169.7
Total Coal Bill, ($1,000)	400,033.4	486,503.5	451,191.3	475,631.6	434,000.5	417,104.0	5,244,952.3
East South Central							
Receipts (1,000 Short Tons)	6,129	7,091	6,322	6,490	6,667	6,499	77,397
Total Heating Value, (Billion Btu)	146,697.3	169,972.0	151,441.5	156,094.7	159,935.2	154,880.7	1,845,789.3
Sulfur Content, (% by Weight)	2.0	2.0	2.0	1.9	2.0	2.0	2.0
Avg. Cost, (Cents per Million Btu)	143.3	141.3	141.8	142.8	141.6	138.5	142.3
Total Coal Bill, ($1,000)	210,224.8	240,224.2	214,761.5	222,825.3	226,494.0	214,571.9	2,626,041.8
West South Central							
Receipts (1,000 Short Tons)	11,723	11,598	11,050	10,184	9,815	11,033	127,713
Total Heating Value, (Billion Btu)	178,407.2	176,629.7	169,086.6	155,842.7	152,005.7	168,794.2	1,957,188.8
Sulfur Content, (% by Weight)	.7	.7	.7	.6	.6	.7	.6
Avg. Cost, (Cents per Million Btu)	144.5	146.5	148.5	151.2	152.5	153.2	149.9
Total Coal Bill, ($1,000)	257,796.7	258,711.9	251,106.7	235,578.2	231,789.0	258,656.4	2,934,558.8
Mountain							
Receipts (1,000 Short Tons)	8,126	8,848	8,487	8,534	8,806	9,296	99,693
Total Heating Value, (Billion Btu)	159,048.0	173,834.9	167,535.4	165,742.0	171,523.5	180,519.0	1,949,322.5
Sulfur Content, (% by Weight)	.5	.5	.5	.5	.5	.5	.5
Avg. Cost, (Cents per Million Btu)	109.3	109.7	112.2	113.3	113.0	109.5	113.6
Total Coal Bill, ($1,000)	173,860.1	190,718.2	187,975.1	187,802.2	193,826.4	197,648.9	2,214,738.2
Pacific Contiguous							
Receipts (1,000 Short Tons)	600	621	543	636	526	543	6,636
Total Heating Value, (Billion Btu)	9,832.6	10,059.1	8,860.7	10,267.4	8,482.2	8,938.8	107,796.3
Sulfur Content, (% by Weight)	.6	.6	.6	.6	.6	.6	.6
Avg. Cost, (Cents per Million Btu)	142.7	145.5	144.0	146.2	144.9	143.2	142.6
Total Coal Bill, ($1,000)	14,034.1	14,640.1	12,760.0	15,006.8	12,291.1	12,796.5	153,680.6
Pacific Noncontiguous							
Receipts (1,000 Short Tons)	—	—	—	—	—	—	—
Total Heating Value, (Billion Btu)	—	—	—	—	—	—	—
Sulfur Content, (% by Weight)	—	—	—	—	—	—	—
Avg. Cost, (Cents per Million Btu)	—	—	—	—	—	—	—
Total Coal Bill, ($1,000)	—	—	—	—	—	—	—
Total							
Receipts (1,000 Short Tons)	65,105	69,794	65,273	66,445	62,779	65,538	769,923
Total Heating Value, (Billion Btu)	1,333,998.6	1,450,611.1	1,359,825.2	1,390,024.7	1,308,527.0	1,347,353.8	15,980,105.9
Sulfur Content, (% by Weight)	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Avg. Cost, (Cents per Million Btu)	142.7	143.1	143.3	143.6	142.8	140.0	144.7
Total Coal Bill, ($1,000)	1,903,172.5	2,075,734.4	1,949,147.2	1,995,769.9	1,868,297.8	1,886,528.0	23,115,790.8

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

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

Table 12. Receipts of Petroleum by Census Division and State, 1987-1991
(Thousand Barrels)

Census Division and State	1991	1990	1989	1988	1987
New England	**39,568**	**47,717**	**58,939**	**60,107**	**50,712**
Connecticut	11,724	14,688	18,964	18,510	15,100
Maine	2,235	3,790	4,938	5,120	4,061
Massachusetts	23,310	24,575	29,220	29,931	27,335
New Hampshire	2,132	4,292	5,102	5,130	3,385
Rhode Island	167	372	715	1,416	832
Vermont	—	—	—	—	—
Middle Atlantic	**53,535**	**72,878**	**89,777**	**87,220**	**72,696**
New Jersey	2,907	5,367	12,276	13,664	8,574
New York	45,887	60,282	65,575	63,074	52,077
Pennsylvania	4,741	7,229	11,926	10,483	12,046
East North Central	**4,432**	**4,743**	**6,009**	**5,455**	**6,105**
Illinois	2,341	2,124	2,339	1,803	3,951
Indiana	360	360	405	324	277
Michigan	1,024	1,610	2,339	2,389	1,361
Ohio	624	581	821	823	432
Wisconsin	83	67	105	116	84
West North Central	**585**	**404**	**443**	**724**	**602**
Iowa	70	86	59	77	69
Kansas	90	39	72	133	73
Minnesota	37	26	21	16	30
Missouri	314	162	133	350	349
Nebraska	8	28	71	101	25
North Dakota	62	55	77	38	47
South Dakota	4	7	10	9	8
South Atlantic	**57,679**	**56,302**	**63,386**	**53,894**	**48,333**
Delaware	2,448	2,011	3,776	4,016	2,760
District of Columbia	454	771	1,297	959	542
Florida	44,855	42,575	40,432	39,073	33,526
Georgia	217	304	230	374	400
Maryland	6,875	7,144	10,649	5,635	4,742
North Carolina	226	246	203	229	265
South Carolina	114	114	83	112	116
Virginia	2,158	2,781	6,233	3,183	5,536
West Virginia	333	355	483	312	445
East South Central	**1,241**	**1,643**	**1,748**	**1,569**	**747**
Alabama	153	125	129	140	191
Kentucky	248	190	206	224	239
Mississippi	657	1,215	1,307	1,087	186
Tennessee	183	113	106	118	132
West South Central	**617**	**1,804**	**3,381**	**1,472**	**748**
Arkansas	118	145	235	240	144
Louisiana	89	386	578	510	91
Oklahoma	21	115	37	173	35
Texas	389	1,158	2,532	549	478
Mountain	**825**	**816**	**1,264**	**1,500**	**1,051**
Arizona	133	280	290	204	296
Colorado	17	37	34	13	31
Idaho	—	—	—	—	—
Montana	22	40	41	37	24
Nevada	417	282	664	986	467
New Mexico	78	55	65	97	70
Utah	46	23	40	34	47
Wyoming	110	99	131	128	117
Pacific Contiguous	**2,145**	**12,484**	**11,170**	**14,983**	**3,209**
California	2,045	12,445	11,104	14,966	3,193
Oregon	84	13	12	—	—
Washington	15	25	53	17	16
Pacific Noncontiguous	**8,998**	**10,560**	**10,306**	**10,000**	**10,374**
Alaska	—	—	—	—	—
Hawaii	8,998	10,560	10,306	10,000	10,374
Total	**169,625**	**209,350**	**246,422**	**236,924**	**194,578**

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 13. Average Delivered Cost of Petroleum by Census Division and State, 1987-1991

Census Division and State	1991	1990	1989	1988	1987	1991	1990	1989	1988	1987
	(cents per million Btu)					(dollars per barrel)				
New England	**225.9**	**285.5**	**269.2**	**227.5**	**278.9**	**14.34**	**18.09**	**17.04**	**14.37**	**17.72**
Connecticut	247.4	301.5	285.6	239.7	293.6	15.67	19.09	18.01	15.11	18.50
Maine	208.5	278.5	278.2	235.3	293.7	13.20	17.55	17.48	14.74	18.58
Massachusetts	221.0	286.4	264.8	225.9	271.5	14.01	18.08	16.72	14.25	17.28
New Hampshire	179.6	226.9	226.9	186.9	258.7	11.82	14.71	14.85	12.13	16.93
Rhode Island	241.1	358.9	270.3	224.6	267.8	15.34	22.98	17.00	14.24	17.00
Vermont	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**273.6**	**359.2**	**296.1**	**248.9**	**306.7**	**17.30**	**22.61**	**18.61**	**15.63**	**19.25**
New Jersey	302.1	359.6	303.5	251.2	312.2	18.84	22.40	18.93	15.63	19.44
New York	271.9	360.3	295.3	248.9	306.1	17.22	22.71	18.58	15.66	19.23
Pennsylvania	272.8	349.5	293.1	245.8	305.5	17.13	21.99	18.49	15.48	19.17
East North Central	**336.3**	**387.2**	**342.6**	**301.8**	**361.2**	**20.65**	**23.77**	**20.99**	**18.47**	**22.31**
Illinois	308.8	394.7	353.0	312.0	361.6	19.33	24.67	22.03	19.42	22.75
Indiana	493.9	512.2	421.8	363.4	412.2	28.47	29.52	24.27	20.93	23.77
Michigan	285.5	320.2	315.0	279.9	337.5	17.57	19.64	19.23	17.14	20.42
Ohio	428.7	458.8	345.8	311.7	395.7	25.43	27.54	21.06	18.90	23.18
Wisconsin	445.8	526.1	410.0	364.5	396.8	26.08	30.76	23.84	21.07	23.01
West North Central	**335.8**	**498.4**	**369.0**	**276.9**	**322.8**	**20.28**	**29.19**	**22.04**	**16.90**	**19.63**
Iowa	437.7	518.1	445.1	372.1	405.7	25.37	30.01	25.87	21.51	23.63
Kansas	431.6	540.4	432.8	318.6	387.0	25.08	31.36	25.24	19.01	22.46
Minnesota	382.9	533.3	441.6	369.2	446.6	22.80	30.83	25.50	21.29	25.84
Missouri	261.9	434.6	323.5	237.0	279.6	16.29	25.76	19.82	14.77	17.45
Nebraska	457.3	703.4	248.9	241.7	250.2	26.43	40.78	15.47	15.14	15.60
North Dakota	426.1	499.1	421.9	362.1	388.1	24.87	29.20	24.53	21.07	22.69
South Dakota	487.9	565.3	450.2	401.7	434.3	28.69	33.24	26.47	23.62	25.54
South Atlantic	**230.0**	**311.4**	**277.4**	**227.7**	**298.1**	**14.56**	**19.66**	**17.47**	**14.40**	**19.22**
Delaware	237.9	278.2	277.4	232.1	278.7	15.14	17.68	17.54	14.71	17.60
District of Columbia	318.6	363.3	345.6	278.9	354.8	19.14	21.86	20.78	16.82	21.28
Florida	224.8	301.9	271.1	221.3	292.2	14.28	19.15	17.19	14.07	19.16
Georgia	473.8	485.5	426.7	283.8	344.9	27.46	28.51	24.95	17.02	20.68
Maryland	226.1	315.7	276.2	236.1	311.4	14.25	19.84	17.39	14.90	19.43
North Carolina	473.5	512.1	398.9	348.5	390.8	27.50	29.73	23.17	20.25	22.67
South Carolina	475.1	622.1	426.3	373.6	400.0	27.56	36.07	24.71	21.72	23.29
Virginia	222.7	383.5	284.4	236.3	309.3	13.72	23.57	17.48	14.61	19.13
West Virginia	537.4	572.4	450.5	395.8	436.1	31.39	33.49	26.33	23.23	25.53
East South Central	**345.4**	**322.0**	**308.0**	**340.3**	**359.5**	**21.07**	**20.00**	**19.06**	**20.93**	**21.26**
Alabama	511.8	556.9	414.3	366.8	403.1	29.47	32.09	23.87	21.01	23.38
Kentucky	505.1	575.0	475.2	384.6	407.3	29.49	33.56	27.71	22.46	23.78
Mississippi	215.7	243.3	267.6	327.7	237.6	13.70	15.45	16.91	20.67	14.72
Tennessee	498.3	560.8	394.7	350.9	392.8	29.05	32.70	22.92	20.39	22.82
West South Central	**477.3**	**468.4**	**375.0**	**345.5**	**366.3**	**28.02**	**28.16**	**22.54**	**21.14**	**21.56**
Arkansas	560.7	470.4	370.6	435.4	386.0	32.44	27.44	22.44	26.44	22.20
Louisiana	413.4	371.5	379.4	347.6	340.5	24.86	22.62	23.86	21.48	20.45
Oklahoma	408.7	320.3	415.0	268.2	391.2	23.59	20.98	23.92	16.88	22.56
Texas	471.0	517.3	373.8	329.1	363.7	27.64	30.82	22.22	19.83	21.50
Mountain	**445.6**	**424.9**	**342.6**	**289.4**	**334.5**	**26.80**	**25.60**	**20.79**	**17.68**	**20.10**
Arizona	499.0	446.0	403.1	407.0	426.2	29.27	26.76	23.92	24.01	24.82
Colorado	512.6	534.5	409.9	384.8	386.3	29.36	30.76	23.60	22.14	22.18
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	471.7	543.2	430.9	403.3	410.7	27.94	32.17	25.52	23.88	24.32
Nevada	393.3	314.3	286.5	244.8	245.0	24.37	19.57	17.85	15.25	15.25
New Mexico	535.3	524.5	378.3	308.0	357.0	30.58	30.42	22.17	18.10	20.89
Utah	490.3	541.5	445.2	398.4	411.9	28.75	31.84	26.18	23.43	24.26
Wyoming	494.3	526.8	415.4	379.7	409.5	28.89	30.72	24.27	22.22	23.95
Pacific Contiguous	**314.4**	**435.8**	**307.9**	**266.0**	**282.6**	**19.22**	**26.73**	**18.93**	**16.35**	**17.70**
California	306.2	435.8	307.6	265.8	282.0	18.75	26.73	18.91	16.34	17.66
Oregon	475.3	347.3	452.8	—	—	28.08	20.28	26.59	—	—
Washington	572.9	511.0	336.7	403.2	409.8	33.73	30.25	20.66	23.87	24.27
Pacific Noncontiguous	**330.6**	**415.2**	**329.1**	**286.7**	**344.6**	**20.65**	**25.97**	**20.55**	**17.96**	**21.60**
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	330.6	415.2	329.1	286.7	344.6	20.65	25.97	20.55	17.96	21.60
Total	**254.8**	**338.4**	**289.3**	**243.9**	**301.1**	**16.09**	**21.28**	**18.17**	**15.33**	**19.06**

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 14. Receipts and Average Delivered Cost of Petroleum by Census Division and State, 1991

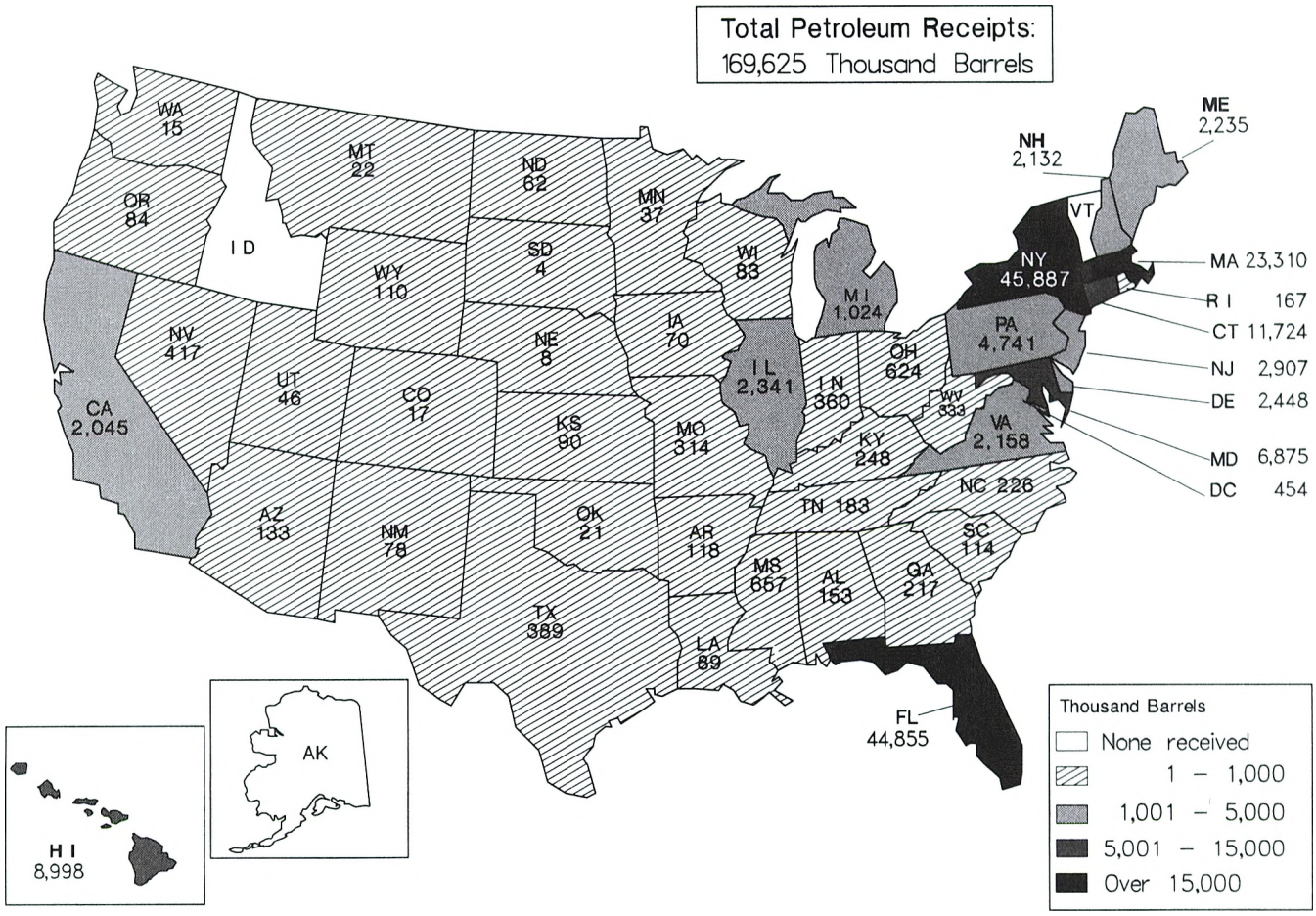
Census Division and State	No. 6 Fuel Oil by Type of Purchase						Average Delivered Cost					
	Contract			Spot			No. 2 Fuel Oil		No. 4, No. 5 Fuel Oil		No. 6 Fuel Oil	
	Receipts (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Receipts (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	(cents per 10^6 Btu)	($ per bbl)	(cents per 10^6 Btu)	($ per bbl)	(cents per 10^6 Btu)	($ per bbl)
New England	**31,339**	**218.5**	**13.88**	**8,044**	**249.4**	**15.85**	**469.8**	**27.49**	**—**	**—**	**224.8**	**14.28**
Connecticut	10,881	247.3	15.67	800	236.0	14.97	491.8	28.70	—	—	246.6	15.63
Maine	2,221	207.1	13.11	—	—	—	459.2	26.96	—	—	207.1	13.11
Massachusetts	16,440	205.3	13.01	6,772	255.8	16.23	457.5	26.84	—	—	220.1	13.95
New Hampshire	1,707	176.6	11.66	395	172.4	11.27	483.4	28.09	—	—	175.8	11.59
Rhode Island	90	253.7	16.11	77	226.5	14.45	—	—	—	—	241.1	15.34
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**35,471**	**275.6**	**17.44**	**17,180**	**259.7**	**16.47**	**481.3**	**28.05**	**—**	**—**	**270.4**	**17.12**
New Jersey	2,625	299.4	18.68	180	247.8	15.83	480.9	28.10	—	—	296.0	18.50
New York	30,537	274.8	17.40	15,272	264.9	16.79	530.3	30.77	—	—	271.5	17.20
Pennsylvania	2,308	258.9	16.48	1,728	215.2	13.68	476.1	27.75	—	—	240.2	15.28
East North Central	**1,835**	**272.5**	**17.35**	**1,010**	**248.1**	**15.56**	**478.0**	**27.70**	**—**	**—**	**263.9**	**16.71**
Illinois	1,835	272.5	17.35	51	286.9	18.08	471.5	27.44	—	—	272.9	17.37
Indiana	—	—	—	—	—	—	493.9	28.47	—	—	—	—
Michigan	—	—	—	805	243.7	15.23	450.9	26.14	—	—	243.7	15.23
Ohio	—	—	—	154	257.6	16.47	490.7	28.37	—	—	257.6	16.47
Wisconsin	—	—	—	—	—	—	445.8	26.08	—	—	—	—
West North Central	**—**	**—**	**—**	**205**	**141.3**	**9.19**	**454.0**	**26.28**	**—**	**—**	**141.3**	**9.19**
Iowa	—	—	—	—	—	—	437.7	25.37	—	—	—	—
Kansas	—	—	—	—	—	—	431.6	25.08	—	—	—	—
Minnesota	—	—	—	11	216.2	13.68	463.0	26.80	—	—	216.2	13.68
Missouri	—	—	—	187	132.6	8.65	477.9	27.56	—	—	132.6	8.65
Nebraska	—	—	—	—	—	—	457.3	26.43	—	—	—	—
North Dakota	—	—	—	7	260.5	16.08	449.4	26.03	—	—	260.5	16.08
South Dakota	—	—	—	—	—	—	487.9	28.69	—	—	—	—
South Atlantic	**31,077**	**220.6**	**14.00**	**24,382**	**224.0**	**14.22**	**477.0**	**27.80**	**315.1**	**18.95**	**222.1**	**14.10**
Delaware	2,369	231.2	14.74	1	264.5	16.73	462.1	27.17	—	—	231.2	14.75
District of Columbia	—	—	—	—	—	—	455.5	26.38	315.1	18.95	—	—
Florida	20,166	221.6	14.10	24,286	223.9	14.22	462.7	27.08	—	—	222.8	14.16
Georgia	—	—	—	—	—	—	473.8	27.46	—	—	—	—
Maryland	6,472	216.2	13.67	95	249.7	15.80	444.3	25.80	—	—	216.7	13.70
North Carolina	—	—	—	—	—	—	473.5	27.50	—	—	—	—
South Carolina	—	—	—	—	—	—	475.1	27.56	—	—	—	—
Virginia	2,070	213.0	13.14	—	—	—	464.4	27.19	—	—	213.0	13.14
West Virginia	—	—	—	—	—	—	537.4	31.39	—	—	—	—
East South Central	**11**	**209.6**	**13.30**	**591**	**194.0**	**12.42**	**502.1**	**29.20**	**—**	**—**	**194.3**	**12.44**
Alabama	—	—	—	—	—	—	511.8	29.47	—	—	—	—
Kentucky	—	—	—	—	—	—	505.1	29.49	—	—	—	—
Mississippi	11	209.6	13.30	591	194.0	12.42	474.1	27.59	—	—	194.3	12.44
Tennessee	—	—	—	—	—	—	498.3	29.05	—	—	—	—
West South Central	**28**	**287.2**	**18.13**	**14**	**427.6**	**27.02**	**499.3**	**29.03**	**357.2**	**22.04**	**333.4**	**21.05**
Arkansas	1	271.8	17.08	—	—	—	563.8	32.59	—	—	271.8	17.08
Louisiana	15	240.6	15.21	14	427.6	27.02	455.7	26.75	—	—	330.3	20.88
Oklahoma	—	—	—	—	—	—	408.7	23.59	—	—	—	—
Texas	12	346.8	21.85	—	—	—	490.6	28.54	357.2	22.04	346.8	21.85
Mountain	**—**	**—**	**—**	**394**	**386.4**	**24.03**	**503.5**	**29.34**	**—**	**—**	**386.4**	**24.03**
Arizona	—	—	—	—	—	—	499.0	29.27	—	—	—	—
Colorado	—	—	—	—	—	—	512.6	29.36	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	471.7	27.94	—	—	—	—
Nevada	—	—	—	394	386.4	24.03	520.2	30.18	—	—	386.4	24.03
New Mexico	—	—	—	—	—	—	535.3	30.58	—	—	—	—
Utah	—	—	—	—	—	—	490.3	28.75	—	—	—	—
Wyoming	—	—	—	—	—	—	494.3	28.89	—	—	—	—
Pacific Contiguous	**—**	**—**	**—**	**2,046**	**306.3**	**18.75**	**490.0**	**28.92**	**—**	**—**	**306.3**	**18.75**
California	—	—	—	2,045	306.2	18.75	—	—	—	—	306.2	18.75
Oregon	—	—	—	—	—	—	475.3	28.08	—	—	—	—
Washington	—	—	—	*	619.0	39.00	571.9	33.63	—	—	619.0	39.00
Pacific Noncontiguous	**8,996**	**330.6**	**20.65**	**—**	**—**	**—**	**433.6**	**25.19**	**—**	**—**	**330.6**	**20.65**
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	8,996	330.6	20.65	—	—	—	433.6	25.19	—	—	330.6	20.65
Total	**108,756**	**247.8**	**15.69**	**53,867**	**243.2**	**15.42**	**482.5**	**28.07**	**318.7**	**19.21**	**246.3**	**15.60**

* = Number less than 0.5.

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

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

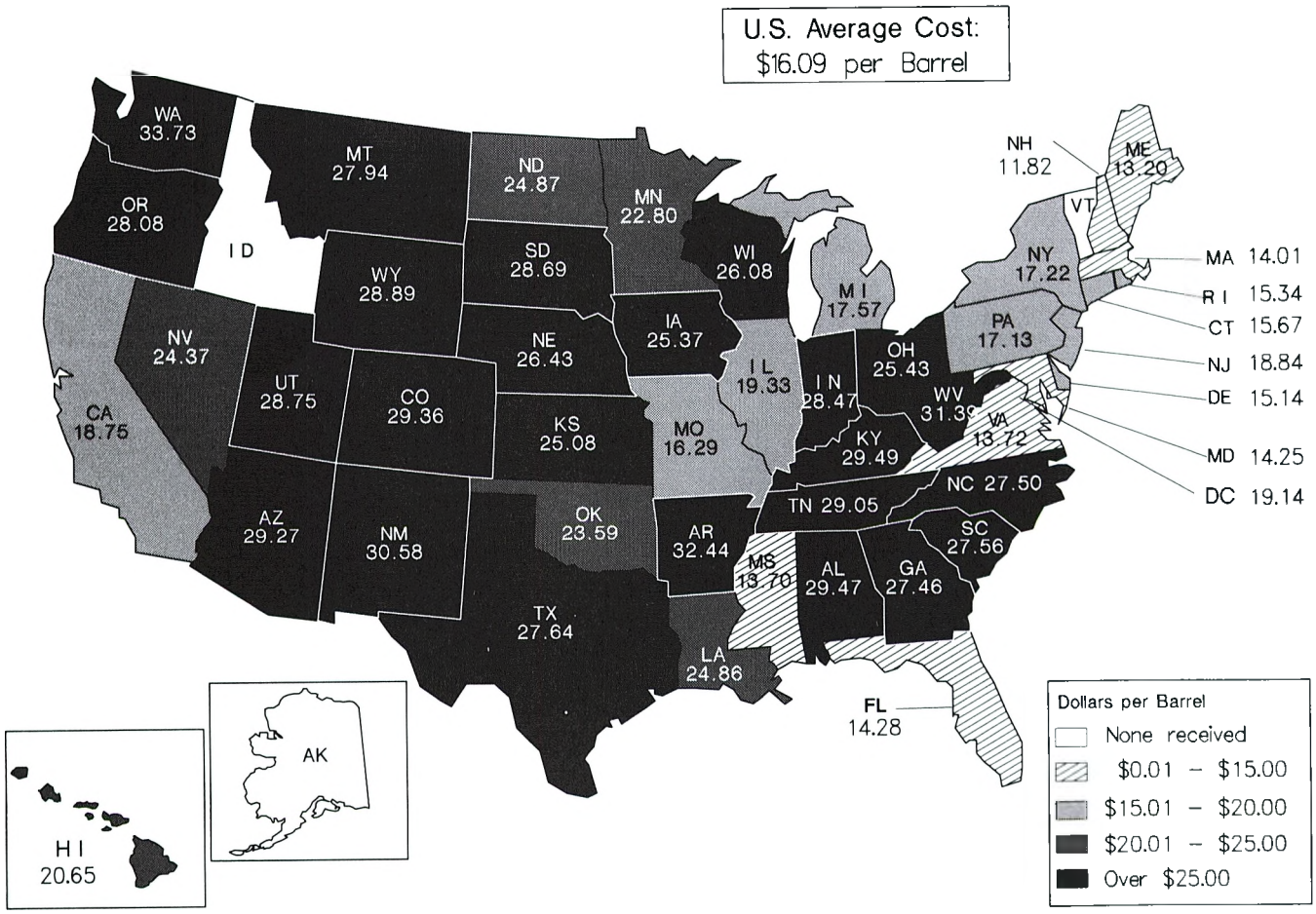
Figure 3. Receipts of Petroleum, 1991



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

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

Figure 4. Average Delivered Cost of Petroleum, 1991



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

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

Table 15. Receipts of Petroleum by Type, Census Division, and State, 1991
(Thousand Barrels)

Census Division and State	Receipts by Type					
	No. 2 Fuel Oil	No. 4 Fuel Oil[1]	No. 5 Fuel Oil[1]	No. 6 Fuel Oil	Crude Oil[2]	Total
New England	**185**	—	—	**39,383**	—	**39,568**
Connecticut	43	—	—	11,681	—	11,724
Maine	13	—	—	2,221	—	2,235
Massachusetts	98	—	—	23,212	—	23,310
New Hampshire	30	—	—	2,102	—	2,132
Rhode Island	—	—	—	167	—	167
Vermont	—	—	—	—	—	—
Middle Atlantic	**884**	—	—	**52,651**	—	**53,535**
New Jersey	102	—	—	2,805	—	2,907
New York	77	—	—	45,810	—	45,887
Pennsylvania	705	—	—	4,036	—	4,741
East North Central	**1,587**	—	—	**2,845**	—	**4,432**
Illinois	456	—	—	1,886	—	2,341
Indiana	360	—	—	—	—	360
Michigan	219	—	—	805	—	1,024
Ohio	470	—	—	154	—	624
Wisconsin	83	—	—	—	—	83
West North Central	**380**	—	—	**205**	—	**585**
Iowa	70	—	—	—	—	70
Kansas	90	—	—	—	—	90
Minnesota	25	—	—	11	—	37
Missouri	127	—	—	187	—	314
Nebraska	8	—	—	—	—	8
North Dakota	55	—	—	7	—	62
South Dakota	4	—	—	—	—	4
South Atlantic	**1,778**	**442**	—	**55,459**	—	**57,679**
Delaware	77	—	—	2,370	—	2,448
District of Columbia	12	442	—	—	—	454
Florida	403	—	—	44,452	—	44,855
Georgia	217	—	—	—	—	217
Maryland	308	—	—	6,566	—	6,875
North Carolina	226	—	—	—	—	226
South Carolina	114	—	—	—	—	114
Virginia	88	—	—	2,070	—	2,158
West Virginia	333	—	—	—	—	333
East South Central	**639**	—	—	**602**	—	**1,241**
Alabama	153	—	—	—	—	153
Kentucky	248	—	—	—	—	248
Mississippi	55	—	—	602	—	657
Tennessee	183	—	—	—	—	183
West South Central	**534**	**10**	**31**	**42**	—	**617**
Arkansas	117	—	—	1	—	118
Louisiana	61	—	—	29	—	89
Oklahoma	21	—	—	—	—	21
Texas	336	10	31	12	—	389
Mountain	**430**	—	—	**394**	—	**825**
Arizona	133	—	—	—	—	133
Colorado	17	—	—	—	—	17
Idaho	—	—	—	—	—	—
Montana	22	—	—	—	—	22
Nevada	23	—	—	394	—	417
New Mexico	78	—	—	—	—	78
Utah	46	—	—	—	—	46
Wyoming	110	—	—	—	—	110
Pacific Contiguous	**99**	—	—	**2,046**	—	**2,145**
California	—	—	—	2,045	—	2,045
Oregon	84	—	—	—	—	84
Washington	15	—	—	*	—	15
Pacific Noncontiguous	**2**	—	—	**8,996**	—	**8,998**
Alaska	—	—	—	—	—	—
Hawaii	2	—	—	8,996	—	8,998
Total	**6,518**	**452**	**31**	**162,623**	—	**169,625**

[1] Blend of No. 2 Fuel Oil and No. 6 Fuel Oil.
[2] Includes small quantities of Topped Crude.
* = Number less than 0.5

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

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

Table 16. Receipts and Average Delivered Cost of Petroleum by Sulfur Content, Census Division and State, 1991

Census Division and State	0.3% or Less			More than 0.3% up to 0.5%			More than 0.5% up to 1.0%		
	Receipts (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Receipts (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Receipts (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)
New England	—	—	—	**5,175**	**268.5**	**16.87**	**14,813**	**237.3**	**15.09**
Connecticut	—	—	—	2,149	268.8	16.88	8,957	242.6	15.41
Maine	—	—	—	—	—	—	1,184	243.7	15.42
Massachusetts	—	—	—	3,026	268.3	16.87	4,504	224.9	14.35
New Hampshire	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	167	241.1	15.34
Vermont	—	—	—	—	—	—	—	—	—
Middle Atlantic	**14,366**	**307.3**	**19.18**	**5,258**	**295.7**	**18.62**	**21,022**	**257.5**	**16.43**
New Jersey	2,241	307.0	19.11	107	259.1	16.52	458	251.8	15.99
New York	12,072	307.4	19.19	3,708	306.1	19.20	18,026	262.8	16.78
Pennsylvania	53	293.0	18.86	1,444	272.0	17.30	2,539	221.0	14.06
East North Central	—	—	—	**16**	**246.0**	**14.75**	**2,675**	**264.4**	**16.74**
Illinois	—	—	—	—	—	—	1,886	272.9	17.37
Indiana	—	—	—	—	—	—	—	—	—
Michigan	—	—	—	16	246.0	14.75	789	243.7	15.24
Ohio	—	—	—	—	—	—	—	—	—
Wisconsin	—	—	—	—	—	—	—	—	—
West North Central	—	—	—	—	—	—	—	—	—
Iowa	—	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	—	—	—
Minnesota	—	—	—	—	—	—	—	—	—
Missouri	—	—	—	—	—	—	—	—	—
Nebraska	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—	—
South Atlantic	—	—	—	**155**	**213.4**	**13.32**	**32,031**	**235.4**	**14.96**
Delaware	—	—	—	—	—	—	1,727	239.8	15.29
District of Columbia	—	—	—	—	—	—	442	315.1	18.95
Florida	—	—	—	155	213.4	13.32	25,965	232.2	14.79
Georgia	—	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	3,164	244.5	15.45
North Carolina	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	733	251.4	15.69
West Virginia	—	—	—	—	—	—	—	—	—
East South Central	—	—	—	—	—	—	—	—	—
Alabama	—	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—	—
Mississippi	—	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—	—
West South Central	**24**	**289.8**	**18.02**	**8**	**505.2**	**31.40**	**34**	**398.8**	**24.83**
Arkansas	1	271.8	17.08	—	—	—	—	—	—
Louisiana	—	—	—	—	—	—	12	456.1	28.78
Oklahoma	—	—	—	—	—	—	—	—	—
Texas	23	290.7	18.07	8	505.2	31.40	22	367.1	22.68
Mountain	—	—	—	—	—	—	**394**	**386.4**	**24.03**
Arizona	—	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	394	386.4	24.03
New Mexico	—	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—
Pacific Contiguous	**1,533**	**325.7**	**19.67**	**238**	**269.1**	**17.24**	**205**	**226.9**	**14.41**
California	1,533	325.7	19.67	238	269.1	17.24	205	226.9	14.41
Oregon	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	**158**	**374.9**	**23.55**	**8,838**	**329.8**	**20.59**	—	—	—
Alaska	—	—	—	—	—	—	—	—	—
Hawaii	158	374.9	23.55	8,838	329.8	20.59	—	—	—
Total	**16,081**	**309.6**	**19.27**	**19,688**	**302.9**	**18.99**	**71,175**	**244.3**	**15.54**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • No. 2 Fuel Oil 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 16. Receipts and Average Delivered Cost of Petroleum by Sulfur Content, Census Divison and State, 1991 (Continued)

Census Division and State	More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			Heavy Oil Receipts	
	Receipts (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Receipts (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Receipts (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	(cents per 10^6 Btu)	($ per bbl)
New England	**6,444**	**223.8**	**14.44**	**12,951**	**193.7**	**12.24**	**—**	**—**	**—**	**224.8**	**14.28**
Connecticut	574	225.5	14.28	—	—	—	—	—	—	246.6	15.63
Maine	151	176.6	11.23	885	163.3	10.35	—	—	—	207.1	13.11
Massachusetts	3,617	254.3	16.26	12,066	195.9	12.38	—	—	—	220.1	13.95
New Hampshire	2,102	175.8	11.59	—	—	—	—	—	—	175.8	11.59
Rhode Island	—	—	—	—	—	—	—	—	—	241.1	15.34
Vermont	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	**12,004**	**238.8**	**15.21**	**—**	**—**	**—**	**—**	**—**	**—**	**270.4**	**17.12**
New Jersey	—	—	—	—	—	—	—	—	—	296.0	18.50
New York	12,004	238.8	15.21	—	—	—	—	—	—	271.5	17.20
Pennsylvania	—	—	—	—	—	—	—	—	—	240.2	15.28
East North Central	**154**	**257.5**	**16.46**	**—**	**—**	**—**	**—**	**—**	**—**	**263.9**	**16.71**
Illinois	—	—	—	—	—	—	—	—	—	272.9	17.37
Indiana	—	—	—	—	—	—	—	—	—	—	—
Michigan	*	214.4	14.18	—	—	—	—	—	—	243.7	15.23
Ohio	154	257.6	16.47	—	—	—	—	—	—	257.6	16.47
Wisconsin	—	—	—	—	—	—	—	—	—	—	—
West North Central	**11**	**216.2**	**13.68**	**194**	**137.1**	**8.93**	**—**	**—**	**—**	**141.3**	**9.19**
Iowa	—	—	—	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	—	—	—	—	—
Minnesota	11	216.2	13.68	—	—	—	—	—	—	216.2	13.68
Missouri	—	—	—	187	132.6	8.65	—	—	—	132.6	8.65
Nebraska	—	—	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	7	260.5	16.08	—	—	—	260.5	16.08
South Dakota	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	**18,999**	**208.7**	**13.20**	**4,716**	**194.3**	**12.32**	**—**	**—**	**—**	**222.8**	**14.13**
Delaware	282	198.4	12.64	361	215.5	13.77	—	—	—	231.2	14.75
District of Columbia	—	—	—	—	—	—	—	—	—	315.1	18.95
Florida	13,977	214.9	13.62	4,355	192.5	12.20	—	—	—	222.8	14.16
Georgia	—	—	—	—	—	—	—	—	—	—	—
Maryland	3,402	190.8	12.08	—	—	—	—	—	—	216.7	13.70
North Carolina	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—	—	—
Virginia	1,338	191.6	11.75	—	—	—	—	—	—	213.0	13.14
West Virginia	—	—	—	—	—	—	—	—	—	—	—
East South Central	**—**	**—**	**—**	**602**	**194.3**	**12.44**	**—**	**—**	**—**	**194.3**	**12.44**
Alabama	—	—	—	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—	—	—	—
Mississippi	—	—	—	602	194.3	12.44	—	—	—	194.3	12.44
Tennessee	—	—	—	—	—	—	—	—	—	—	—
West South Central	**17**	**239.6**	**15.17**	**—**	**—**	**—**	**—**	**—**	**—**	**345.1**	**21.54**
Arkansas	—	—	—	—	—	—	—	—	—	271.8	17.08
Louisiana	17	239.6	15.17	—	—	—	—	—	—	330.3	20.88
Oklahoma	—	—	—	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—	—	354.8	22.00
Mountain	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**386.4**	**24.03**
Arizona	—	—	—	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	386.4	24.03
New Mexico	—	—	—	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—	—	—
Pacific Contiguous	**70**	**260.7**	**16.48**	**—**	**—**	**—**	**—**	**—**	**—**	**306.3**	**18.75**
California	69	259.2	16.38	—	—	—	—	—	—	306.2	18.75
Oregon	—	—	—	—	—	—	—	—	—	—	—
Washington	*	619.0	39.00	—	—	—	—	—	—	619.0	39.00
Pacific Noncontiguous	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**330.6**	**20.65**
Alaska	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	330.6	20.65
Total	**37,699**	**221.2**	**14.07**	**18,463**	**193.2**	**12.23**	**—**	**—**	**—**	**246.5**	**15.61**

* = Number less than 0.5.

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • No. 2 Fuel Oil 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 17. Monthly Receipts, Heating Value, and Cost of Petroleum by Census Division, 1991

Census Division	January	February	March	April	May	June
New England						
Receipts (1,000 Barrels)	2,412	2,835	3,682	2,769	2,732	3,453
Total Heating Value, (Billion Btu)	15,229.4	17,944.8	23,410.1	17,616.3	17,375.1	21,932.0
Sulfur Content, (% by Weight)	1.3	1.1	1.5	1.3	1.7	1.4
Avg. Cost, (Cents per Million Btu)	314.8	232.7	242.7	241.9	209.9	199.2
Total Oil Bill, ($1,000)	47,948.6	41,761.9	56,808.1	42,611.4	36,464.3	43,691.9
Middle Atlantic						
Receipts (1,000 Barrels)	6,143	4,269	4,374	4,163	3,470	5,191
Total Heating Value, (Billion Btu)	38,727.9	26,981.2	27,695.6	26,339.6	21,965.7	32,833.2
Sulfur Content, (% by Weight)	.7	.6	.8	.9	.8	.8
Avg. Cost, (Cents per Million Btu)	379.5	274.0	252.4	244.6	257.6	238.9
Total Oil Bill, ($1,000)	146,956.2	73,941.0	69,890.4	64,417.6	56,592.6	78,448.6
East North Central						
Receipts (1,000 Barrels)	430	150	252	286	299	464
Total Heating Value, (Billion Btu)	2,562.8	880.0	1,546.2	1,782.4	1,830.5	2,876.4
Sulfur Content, (% by Weight)	.5	.3	.6	.7	.5	.7
Avg. Cost, (Cents per Million Btu)	494.9	423.4	302.0	287.4	333.7	285.8
Total Oil Bill, ($1,000)	12,683.2	3,725.9	4,669.2	5,122.4	6,108.5	8,220.1
West North Central						
Receipts (1,000 Barrels)	49	28	40	26	58	57
Total Heating Value, (Billion Btu)	289.6	167.6	237.1	156.4	347.5	341.5
Sulfur Content, (% by Weight)	.5	1.3	.8	1.3	.9	.9
Avg. Cost, (Cents per Million Btu)	525.1	325.2	352.8	293.0	317.1	303.8
Total Oil Bill, ($1,000)	1,520.5	545.2	836.4	458.2	1,102.0	1,037.6
South Atlantic						
Receipts (1,000 Barrels)	1,962	2,151	2,345	4,939	7,590	7,675
Total Heating Value, (Billion Btu)	12,319.6	13,584.9	14,829.4	31,359.5	48,079.0	48,630.8
Sulfur Content, (% by Weight)	1.1	1.2	1.4	1.4	1.2	1.2
Avg. Cost, (Cents per Million Btu)	318.1	227.9	215.5	217.8	229.3	215.4
Total Oil Bill, ($1,000)	39,185.4	30,965.7	31,952.3	68,316.3	110,248.6	104,747.5
East South Central						
Receipts (1,000 Barrels)	93	50	53	265	126	32
Total Heating Value, (Billion Btu)	546.5	293.8	308.6	1,661.5	776.3	188.4
Sulfur Content, (% by Weight)	.7	.4	.4	2.3	1.9	.4
Avg. Cost, (Cents per Million Btu)	538.4	520.5	471.4	267.6	299.7	464.0
Total Oil Bill, ($1,000)	2,942.2	1,529.4	1,454.5	4,446.8	2,326.5	874.0
West South Central						
Receipts (1,000 Barrels)	81	64	57	49	44	39
Total Heating Value, (Billion Btu)	473.1	377.0	332.2	284.8	259.0	225.5
Sulfur Content, (% by Weight)	.4	.4	.4	.4	.4	.3
Avg. Cost, (Cents per Million Btu)	559.7	522.4	480.5	476.5	529.1	468.8
Total Oil Bill, ($1,000)	2,647.9	1,969.6	1,596.1	1,357.2	1,370.6	1,057.0
Mountain						
Receipts (1,000 Barrels)	220	89	34	26	24	36
Total Heating Value, (Billion Btu)	1,360.3	536.8	197.9	151.9	141.4	207.7
Sulfur Content, (% by Weight)	.7	.6	.7	.4	.4	.3
Avg. Cost, (Cents per Million Btu)	461.8	512.6	549.3	509.5	429.2	441.0
Total Oil Bill, ($1,000)	6,281.4	2,751.7	1,087.0	774.0	606.7	916.1
Pacific Contiguous						
Receipts (1,000 Barrels)	151	1	131	306	241	100
Total Heating Value, (Billion Btu)	918.5	5.9	800.6	1,901.3	1,477.3	634.3
Sulfur Content, (% by Weight)	.2	.3	.2	.7	.5	.4
Avg. Cost, (Cents per Million Btu)	456.0	730.2	283.7	247.4	304.8	272.4
Total Oil Bill, ($1,000)	4,188.8	43.1	2,271.3	4,703.7	4,502.9	1,727.9
Pacific Noncontiguous						
Receipts (1,000 Barrels)	774	1,262	704	649	672	629
Total Heating Value, (Billion Btu)	4,805.7	7,846.9	4,428.1	4,079.2	4,215.4	3,947.1
Sulfur Content, (% by Weight)	.4	.5	.4	.4	.4	.5
Avg. Cost, (Cents per Million Btu)	505.8	409.6	335.2	301.6	291.7	306.8
Total Oil Bill, ($1,000)	24,306.4	32,138.4	14,843.8	12,301.4	12,296.5	12,109.3
Total						
Receipts (1,000 Barrels)	12,315	10,899	11,672	13,479	15,256	17,675
Total Heating Value, (Billion Btu)	77,233.3	68,619.0	73,785.7	85,332.9	96,467.3	111,816.9
Sulfur Content, (% by Weight)	.8	.8	1.1	1.1	1.1	1.1
Avg. Cost, (Cents per Million Btu)	373.8	276.0	251.3	239.7	240.1	226.1
Total Oil Bill, ($1,000)	288,660.5	189,371.9	185,409.1	204,509.1	231,619.1	252,829.9

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

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

Table 17. Monthly Receipts, Heating Value, and Cost of Petroleum by Census Division, 1991 (Continued)

Census Division	July	August	September	October	November	December	12-Month Total
New England							
Receipts (1,000 Barrels)	4,067	3,712	3,227	2,381	3,969	4,328	39,568
Total Heating Value, (Billion Btu)	25,769.7	23,610.7	20,497.5	15,177.7	25,176.3	27,512.0	251,251.6
Sulfur Content, (% by Weight)	1.4	1.4	1.3	1.3	1.3	1.3	1.4
Avg. Cost, (Cents per Million Btu)	199.8	198.1	216.1	215.0	238.1	229.5	225.9
Total Oil Bill, ($1,000)	51,477.4	46,764.3	44,295.5	32,625.7	59,951.5	63,128.0	567,528.6
Middle Atlantic							
Receipts (1,000 Barrels)	5,288	5,101	4,593	2,741	3,305	4,896	53,535
Total Heating Value, (Billion Btu)	33,507.2	32,334.4	29,065.6	17,360.3	20,960.5	30,794.8	338,565.9
Sulfur Content, (% by Weight)	.8	.9	.9	.9	.9	.6	.8
Avg. Cost, (Cents per Million Btu)	243.3	241.7	271.0	276.4	291.3	287.8	273.6
Total Oil Bill, ($1,000)	81,534.5	78,163.7	78,760.6	47,977.2	61,050.1	88,626.3	926,358.6
East North Central							
Receipts (1,000 Barrels)	411	456	391	477	315	502	4,432
Total Heating Value, (Billion Btu)	2,535.2	2,805.9	2,421.0	2,940.0	1,923.2	3,111.8	27,215.5
Sulfur Content, (% by Weight)	.6	.6	.6	.6	.5	.6	.6
Avg. Cost, (Cents per Million Btu)	311.6	311.0	307.2	328.9	371.0	325.1	336.3
Total Oil Bill, ($1,000)	7,900.1	8,725.5	7,438.3	9,668.5	7,134.9	10,117.8	91,514.5
West North Central							
Receipts (1,000 Barrels)	38	56	59	55	62	59	585
Total Heating Value, (Billion Btu)	234.1	333.7	359.8	336.3	368.8	360.4	3,532.8
Sulfur Content, (% by Weight)	1.4	.8	.9	1.2	.8	1.2	1.0
Avg. Cost, (Cents per Million Btu)	260.1	327.6	324.3	299.7	390.8	289.7	335.8
Total Oil Bill, ($1,000)	608.9	1,093.2	1,166.7	1,007.7	1,441.5	1,043.8	11,861.9
South Atlantic							
Receipts (1,000 Barrels)	6,874	6,859	6,395	3,848	3,281	3,761	57,679
Total Heating Value, (Billion Btu)	43,382.4	43,338.0	40,519.7	24,410.8	20,764.6	23,747.4	364,966.2
Sulfur Content, (% by Weight)	1.2	1.3	1.2	1.2	1.4	1.2	1.3
Avg. Cost, (Cents per Million Btu)	226.4	224.5	229.6	239.0	247.2	235.4	230.0
Total Oil Bill, ($1,000)	98,230.4	97,289.5	93,023.6	58,349.8	51,326.2	55,890.8	839,526.1
East South Central							
Receipts (1,000 Barrels)	49	41	23	60	124	324	1,241
Total Heating Value, (Billion Btu)	282.6	238.6	136.0	348.8	762.7	2,026.3	7,570.1
Sulfur Content, (% by Weight)	.4	.3	.4	.3	1.9	2.3	1.6
Avg. Cost, (Cents per Million Btu)	476.1	488.6	531.8	513.4	311.1	255.3	345.4
Total Oil Bill, ($1,000)	1,345.7	1,165.7	723.2	1,790.3	2,372.9	5,172.3	26,143.6
West South Central							
Receipts (1,000 Barrels)	13	40	27	57	53	93	617
Total Heating Value, (Billion Btu)	79.0	239.2	158.6	329.9	317.2	547.1	3,622.6
Sulfur Content, (% by Weight)	.5	.3	.4	.4	.5	.2	.4
Avg. Cost, (Cents per Million Btu)	442.5	441.8	460.5	466.5	433.1	409.8	477.3
Total Oil Bill, ($1,000)	349.5	1,056.7	730.2	1,539.1	1,374.0	2,242.0	17,289.8
Mountain							
Receipts (1,000 Barrels)	54	60	24	21	93	143	825
Total Heating Value, (Billion Btu)	313.9	351.1	140.9	123.9	570.0	863.3	4,959.0
Sulfur Content, (% by Weight)	.3	.4	.5	.3	.6	.7	.6
Avg. Cost, (Cents per Million Btu)	425.5	447.5	496.7	486.1	397.7	371.2	445.6
Total Oil Bill, ($1,000)	1,335.6	1,570.9	699.8	602.4	2,266.9	3,204.5	22,097.1
Pacific Contiguous							
Receipts (1,000 Barrels)	252	241	627	26	10	60	2,145
Total Heating Value, (Billion Btu)	1,537.1	1,465.1	3,775.9	153.6	58.7	385.1	13,113.3
Sulfur Content, (% by Weight)	.2	.1	.2	.3	.3	.4	.3
Avg. Cost, (Cents per Million Btu)	315.1	314.6	325.7	487.3	473.3	265.2	314.4
Total Oil Bill, ($1,000)	4,843.4	4,608.9	12,296.8	748.6	277.7	1,021.1	41,234.2
Pacific Noncontiguous							
Receipts (1,000 Barrels)	657	757	696	621	623	954	8,998
Total Heating Value, (Billion Btu)	4,127.4	4,723.5	4,340.9	3,845.8	3,853.8	5,975.7	56,189.5
Sulfur Content, (% by Weight)	.4	.5	.4	.5	.5	.4	.4
Avg. Cost, (Cents per Million Btu)	311.5	300.0	276.9	267.8	279.7	295.6	330.6
Total Oil Bill, ($1,000)	12,857.3	14,168.6	12,022.1	10,300.2	10,779.6	17,661.2	185,784.8
Total							
Receipts (1,000 Barrels)	17,703	17,323	16,063	10,287	11,835	15,120	169,625
Total Heating Value, (Billion Btu)	111,768.6	109,440.2	101,415.9	65,027.0	74,755.8	95,323.8	1,070,986.5
Sulfur Content, (% by Weight)	1.1	1.1	1.0	1.1	1.2	1.0	1.0
Avg. Cost, (Cents per Million Btu)	233.1	232.6	247.7	253.1	264.8	260.3	254.8
Total Oil Bill, ($1,000)	260,482.9	254,607.0	251,156.8	164,609.7	197,975.4	248,107.7	2,729,339.1

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

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

Table 18. Receipts of Gas by Census Division and State, 1987-1991
(Thousand Mcf)

Census Division and State	1991 With CC/GT[1]	1991 Without CC/GT	1990	1989	1988	1987
New England	**45,852**	**37,433**	**58,576**	**48,076**	**14,978**	**44,762**
Connecticut	4,690	4,690	4,863	3,297	1,260	7,370
Maine	—	—	—	—	—	—
Massachusetts	38,248	29,829	47,779	42,540	13,552	31,682
New Hampshire	—	—	—	—	—	—
Rhode Island	1,821	1,821	5,933	2,239	166	5,710
Vermont	1,093	1,093	—	—	—	—
Middle Atlantic	**246,863**	**241,084**	**253,456**	**211,669**	**176,698**	**218,018**
New Jersey	51,744	45,965	34,822	39,338	34,051	52,672
New York	194,870	194,870	218,442	172,068	142,255	165,095
Pennsylvania	249	249	192	264	392	251
East North Central	**45,531**	**45,531**	**36,391**	**27,106**	**22,216**	**15,302**
Illinois	11,126	11,126	7,041	5,111	4,521	2,419
Indiana	9,026	9,026	6,294	3,863	3,074	1,089
Michigan	20,720	20,720	20,619	16,247	13,141	10,400
Ohio	2,966	2,966	941	590	478	530
Wisconsin	1,693	1,693	1,496	1,295	1,003	864
West North Central	**48,575**	**48,416**	**31,325**	**21,058**	**22,480**	**19,343**
Iowa	2,083	2,083	2,211	2,009	3,844	2,638
Kansas	28,979	28,979	21,221	14,254	12,923	10,835
Minnesota	3,354	3,354	2,398	1,964	3,370	3,570
Missouri	10,820	10,661	2,378	606	702	858
Nebraska	3,166	3,166	3,117	2,224	1,640	1,438
North Dakota	*	*	*	*	1	4
South Dakota	172	172	—	—	—	—
South Atlantic	**231,677**	**218,001**	**185,818**	**165,448**	**138,859**	**170,015**
Delaware	5,087	5,087	4,213	6,087	1,304	7,856
District of Columbia	—	—	—	—	—	—
Florida	191,825	188,636	157,513	155,902	129,897	149,938
Georgia	790	790	1,757	626	1,334	805
Maryland	13,234	13,234	15,195	17,307	3,874	8,687
North Carolina	2,932	0	—	—	—	—
South Carolina	9,518	9,509	5,877	1,881	1,664	236
Virginia	8,096	550	1,094	3,517	700	2,404
West Virginia	196	196	169	129	86	88
East South Central	**51,819**	**51,819**	**55,419**	**38,538**	**29,958**	**37,609**
Alabama	3,434	3,434	2,581	1,556	1,080	858
Kentucky	205	205	236	320	400	319
Mississippi	48,180	48,180	52,602	36,663	28,478	36,431
Tennessee	—	—	—	—	—	—
West South Central	**1,404,965**	**1,354,316**	**1,375,523**	**1,375,525**	**1,402,134**	**1,455,725**
Arkansas	27,672	27,672	31,951	29,473	21,976	32,066
Louisiana	223,528	223,528	236,550	212,443	237,906	238,150
Oklahoma	163,914	135,697	141,150	150,296	151,747	155,820
Texas	989,850	967,418	965,872	983,314	990,506	1,029,689
Mountain	**76,185**	**70,381**	**61,017**	**80,436**	**46,002**	**40,891**
Arizona	22,575	16,771	11,302	28,420	11,179	13,931
Colorado	2,680	2,680	2,451	4,754	5,205	5,022
Idaho	—	—	—	—	—	—
Montana	83	83	286	330	281	477
Nevada	19,916	19,916	22,516	20,859	9,150	6,166
New Mexico	26,895	26,895	24,389	25,986	20,002	15,201
Utah	3,960	3,960	1	—	—	5
Wyoming	76	76	70	87	185	90
Pacific Contiguous	**460,628**	**439,129**	**433,454**	**484,649**	**509,394**	**603,526**
California	449,661	439,102	433,454	484,649	509,394	603,526
Oregon	10,940	0	—	—	—	—
Washington	27	27	—	—	—	—
Pacific Noncontiguous	**18,722**	**0**	—	—	—	—
Alaska	18,722	0	—	—	—	—
Hawaii	—	—	—	—	—	—
Total	**2,630,818**	**2,506,110**	**2,490,979**	**2,472,506**	**2,362,721**	**2,605,191**

[1] Refer to Appendix B for more detailed information.
* = Number less than 0.5
CC/GT = Combined-cycle gas turbine units.
Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 19. Average Delivered Cost of Gas by Census Division and State, 1987-1991

Census Division and State	1991	1990	1989	1988	1987	1991	1990	1989	1988	1987
	(cents per million Btu)					(dollars per Mcf)				
New England	**215.6**	**240.3**	**238.5**	**221.6**	**238.3**	**2.24**	**2.52**	**2.50**	**2.28**	**2.45**
Connecticut	209.0	270.2	251.1	217.4	236.6	2.16	2.79	2.59	2.24	2.44
Maine	—	—	—	—	—	—	—	—	—	—
Massachusetts	218.4	240.1	237.4	222.2	239.9	2.27	2.53	2.49	2.29	2.46
New Hampshire	—	—	—	—	—	—	—	—	—	—
Rhode Island	198.0	216.9	241.2	208.6	231.8	2.04	2.24	2.49	2.15	2.39
Vermont	174.0	—	—	—	—	1.72	—	—	—	—
Middle Atlantic	**217.2**	**235.4**	**237.4**	**224.0**	**246.8**	**2.24**	**2.43**	**2.44**	**2.31**	**2.54**
New Jersey	195.7	217.2	245.5	224.5	255.0	2.02	2.24	2.54	2.32	2.63
New York	222.8	238.2	235.3	223.6	244.1	2.30	2.46	2.42	2.30	2.51
Pennsylvania	295.3	294.9	348.2	333.0	334.9	3.05	3.04	3.58	3.45	3.45
East North Central	**218.1**	**252.9**	**285.8**	**295.7**	**313.6**	**1.59**	**1.43**	**1.34**	**1.50**	**1.88**
Illinois	210.4	267.0	326.2	326.9	365.6	2.14	2.73	3.32	3.34	3.75
Indiana	237.7	258.0	269.5	259.1	282.2	2.38	2.58	2.70	2.60	2.84
Michigan	195.9	210.6	174.8	255.5	276.3	.76	.47	.19	.41	1.12
Ohio	217.9	254.6	313.2	346.5	304.4	2.19	2.57	3.15	3.51	3.07
Wisconsin	270.3	292.7	309.5	325.2	392.0	2.72	2.95	3.11	3.26	3.89
West North Central	**171.7**	**188.4**	**211.5**	**210.9**	**221.7**	**1.68**	**1.86**	**2.07**	**2.10**	**2.20**
Iowa	268.5	304.5	267.4	202.7	215.4	2.70	3.06	2.69	2.04	2.17
Kansas	170.7	175.8	197.6	206.0	217.5	1.65	1.74	1.92	2.05	2.15
Minnesota	170.2	192.1	214.6	198.4	207.5	1.71	1.93	2.16	1.99	2.07
Missouri	149.1	171.5	245.8	277.0	296.1	1.51	1.75	2.50	2.75	2.93
Nebraska	196.8	200.8	236.1	268.6	256.3	1.85	1.90	2.26	2.56	2.50
North Dakota	433.9	386.2	439.1	428.6	443.4	4.36	4.01	4.61	4.56	4.75
South Dakota	175.8	—	—	—	—	1.77	—	—	—	—
South Atlantic	**212.0**	**250.8**	**248.0**	**212.2**	**271.6**	**2.16**	**2.55**	**2.52**	**2.14**	**2.75**
Delaware	236.9	257.7	254.4	242.1	274.5	2.49	2.72	2.73	2.59	2.84
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida	213.5	253.3	246.2	210.1	271.4	2.17	2.56	2.49	2.12	2.73
Georgia	276.3	296.8	315.6	273.4	371.5	2.83	3.04	3.23	2.80	3.80
Maryland	225.8	244.7	260.1	259.7	268.1	2.36	2.55	2.72	2.71	2.80
North Carolina	267.5	—	—	—	—	2.76	—	—	—	—
South Carolina	148.9	171.8	222.1	180.6	334.5	1.53	1.76	2.27	1.86	3.44
Virginia	182.2	258.2	247.9	204.9	242.3	1.90	2.69	2.58	2.16	2.52
West Virginia	363.3	513.3	458.8	389.2	393.6	3.63	5.13	4.59	3.89	3.94
East South Central	**159.6**	**178.8**	**185.6**	**186.3**	**186.5**	**1.64**	**1.85**	**1.90**	**1.91**	**1.92**
Alabama	187.1	215.6	220.5	207.1	210.2	1.91	2.22	2.27	2.15	2.22
Kentucky	259.7	297.5	267.3	246.0	278.1	2.65	3.04	2.73	2.52	2.84
Mississippi	157.3	176.4	183.4	184.7	185.1	1.61	1.83	1.88	1.90	1.90
Tennessee	—	—	—	—	—	—	—	—	—	—
West South Central	**199.7**	**210.6**	**215.7**	**207.8**	**204.1**	**2.06**	**2.18**	**2.24**	**2.15**	**2.12**
Arkansas	140.9	154.0	165.4	135.0	152.2	1.44	1.57	1.69	1.39	1.57
Louisiana	153.1	165.9	170.2	163.1	160.0	1.59	1.73	1.78	1.70	1.67
Oklahoma	286.5	300.8	292.5	281.3	267.4	2.98	3.14	3.05	2.92	2.78
Texas	197.4	210.2	215.3	209.0	206.3	2.03	2.18	2.23	2.16	2.14
Mountain	**181.5**	**202.0**	**217.2**	**229.4**	**231.3**	**1.86**	**2.08**	**2.24**	**2.35**	**2.38**
Arizona	200.5	236.9	224.4	224.1	220.3	2.06	2.45	2.32	2.32	2.28
Colorado	214.9	217.3	228.3	228.7	228.6	2.14	2.15	2.23	2.25	2.26
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	393.5	145.2	113.8	126.3	91.9	4.70	1.77	1.38	1.53	1.11
Nevada	173.4	195.6	211.3	271.8	258.0	1.78	2.02	2.17	2.79	2.67
New Mexico	170.1	190.8	213.3	213.6	235.8	1.73	1.97	2.20	2.19	2.42
Utah	161.5	503.5	—	—	507.4	1.72	5.04	—	—	5.47
Wyoming	333.6	314.9	348.1	367.9	326.1	3.51	3.26	3.61	3.78	3.32
Pacific Contiguous	**283.9**	**303.1**	**292.4**	**283.1**	**250.1**	**2.92**	**3.13**	**3.04**	**2.93**	**2.59**
California	286.9	303.1	292.4	283.1	250.1	2.95	3.13	3.04	2.93	2.59
Oregon	157.0	—	—	—	—	1.59	—	—	—	—
Washington	383.0	—	—	—	—	4.02	—	—	—	—
Pacific Noncontiguous	**115.6**	—	—	—	—	**1.16**	—	—	—	—
Alaska	115.6	—	—	—	—	1.16	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—
Total	**215.3**	**232.1**	**235.5**	**226.3**	**224.0**	**2.20**	**2.38**	**2.42**	**2.33**	**2.31**

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. • Mcf = thousand cubic feet.

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

Table 20. Receipts and Average Delivered Cost of Gas by Census Division and State, 1991

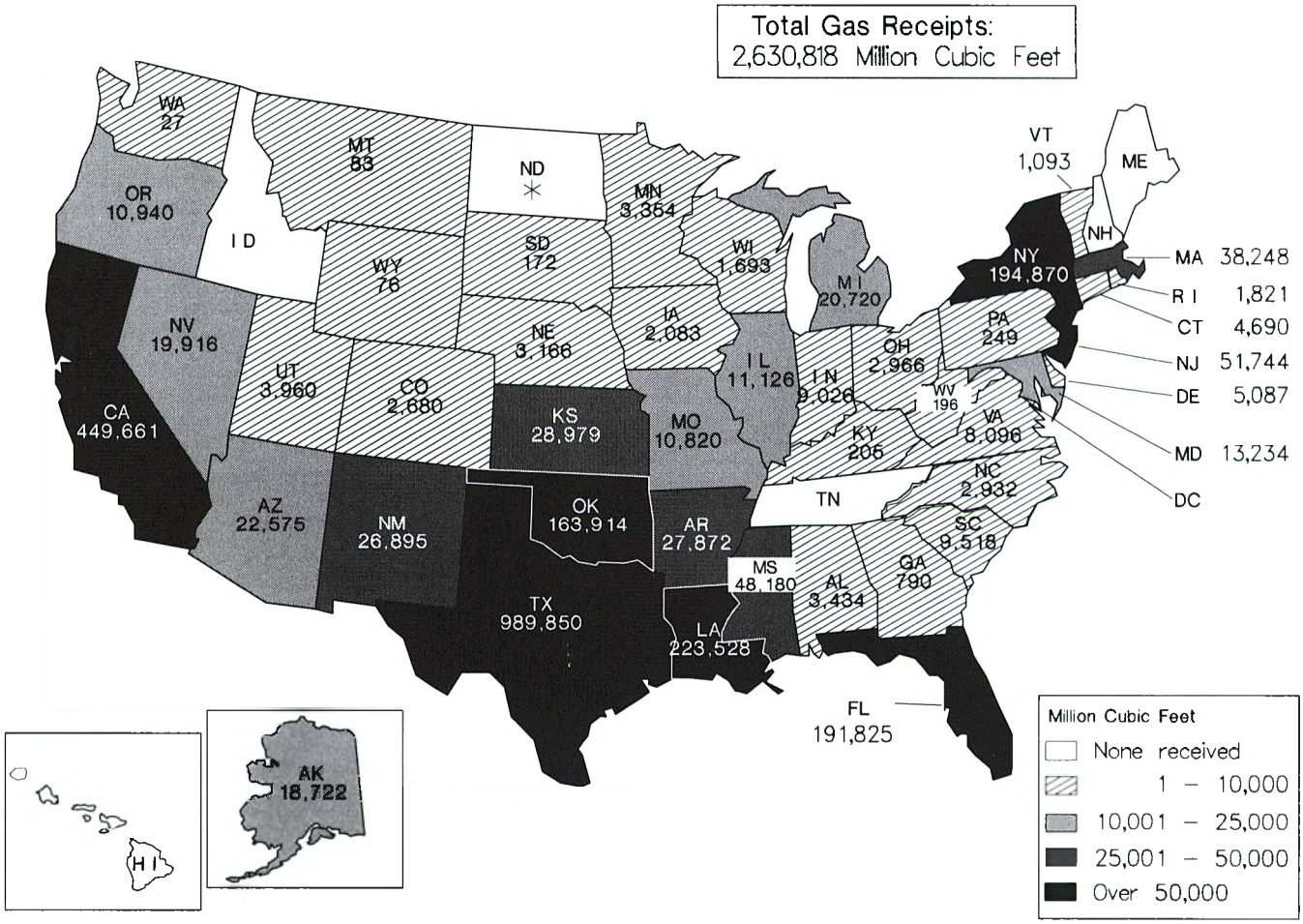
Census Division and State	Type of Purchase											
	Firm			Interruptible			Off-Peak			Total		
	Receipts (1,000 Mcf)	(cents per 10^6 Btu)	($ per Mcf)	Receipts (1,000 Mcf)	(cents per 10^6 Btu)	($ per Mcf)	Receipts (1,000 Mcf)	(cents per 10^6 Btu)	($ per Mcf)	Receipts (1,000 Mcf)	(cents per 10^6 Btu)	($ per Mcf)
New England	**323**	**495.0**	**5.18**	**43,167**	**208.5**	**2.16**	**2,361**	**302.8**	**3.28**	**45,852**	**215.6**	**2.24**
Connecticut	183	527.2	5.43	4,507	196.2	2.03	—	—	—	4,690	209.0	2.16
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	140	454.5	4.85	35,746	211.6	2.20	2,361	302.8	3.28	38,248	218.4	2.27
New Hampshire	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	1,821	198.0	2.04	—	—	—	1,821	198.0	2.04
Vermont	—	—	—	1,093	174.0	1.72	—	—	—	1,093	174.0	1.72
Middle Atlantic	**23,651**	**193.9**	**2.00**	**188,483**	**220.0**	**2.27**	**34,730**	**217.7**	**2.24**	**246,863**	**217.2**	**2.24**
New Jersey	—	—	—	51,744	195.7	2.02	—	—	—	51,744	195.7	2.02
New York	23,639	193.9	2.00	136,502	229.1	2.36	34,730	217.7	2.24	194,870	222.8	2.30
Pennsylvania	12	297.3	2.97	237	295.2	3.06	—	—	—	249	295.3	3.05
East North Central	**14,373**	**222.3**	**2.23**	**31,135**	**214.8**	**1.29**	**24**	**269.0**	**2.76**	**45,531**	**218.1**	**1.59**
Illinois	2,280	184.7	1.87	8,847	217.0	2.21	—	—	—	11,126	210.4	2.14
Indiana	8,865	237.1	2.37	161	269.6	2.76	—	—	—	9,026	237.7	2.38
Michigan	372	177.0	1.84	20,324	196.7	.74	24	269.0	2.76	20,720	195.9	.76
Ohio	2,729	205.8	2.07	237	353.7	3.63	—	—	—	2,966	217.9	2.19
Wisconsin	127	366.5	3.69	1,566	262.5	2.65	—	—	—	1,693	270.3	2.72
West North Central	**2,072**	**212.6**	**2.12**	**37,047**	**175.5**	**1.73**	**9,457**	**146.6**	**1.39**	**48,575**	**171.7**	**1.68**
Iowa	208	311.1	3.17	1,827	266.7	2.67	48	150.0	1.50	2,083	268.5	2.70
Kansas	1,804	201.7	2.01	18,900	179.0	1.75	8,275	144.0	1.35	28,979	170.7	1.65
Minnesota	—	—	—	2,220	173.5	1.74	1,134	163.7	1.66	3,354	170.2	1.71
Missouri	—	—	—	10,820	149.1	1.51	—	—	—	10,820	149.1	1.51
Nebraska	60	191.5	1.91	3,106	197.0	1.85	—	—	—	3,166	196.8	1.85
North Dakota	—	—	—	*	433.9	4.36	—	—	—	*	433.9	4.36
South Dakota	—	—	—	172	175.8	1.77	—	—	—	172	175.8	1.77
South Atlantic	**138,036**	**217.5**	**2.19**	**93,339**	**203.9**	**2.11**	**303**	**243.3**	**2.51**	**231,677**	**212.0**	**2.16**
Delaware	2,584	251.2	2.61	2,502	222.6	2.38	—	—	—	5,087	236.9	2.49
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	135,451	216.8	2.19	56,374	205.6	2.12	—	—	—	191,825	213.5	2.17
Georgia	—	—	—	790	276.3	2.83	—	—	—	790	276.3	2.83
Maryland	—	—	—	13,234	225.8	2.36	—	—	—	13,234	225.8	2.36
North Carolina	—	—	—	2,629	270.3	2.79	303	243.3	2.51	2,932	267.5	2.76
South Carolina	—	—	—	9,518	148.9	1.53	—	—	—	9,518	148.9	1.53
Virginia	—	—	—	8,096	182.2	1.90	—	—	—	8,096	182.2	1.90
West Virginia	—	—	—	196	363.3	3.63	—	—	—	196	363.3	3.63
East South Central	**8,628**	**166.2**	**1.69**	**42,228**	**157.1**	**1.61**	**963**	**210.1**	**2.18**	**51,819**	**159.6**	**1.64**
Alabama	—	—	—	3,434	187.1	1.91	—	—	—	3,434	187.1	1.91
Kentucky	5	343.1	3.43	35	253.3	2.53	165	258.6	2.65	205	259.7	2.65
Mississippi	8,623	166.1	1.69	38,758	154.4	1.59	798	200.2	2.08	48,180	157.3	1.61
Tennessee	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	**1,011,689**	**214.6**	**2.22**	**392,588**	**161.0**	**1.66**	**688**	**199.8**	**1.82**	**1,404,965**	**199.7**	**2.06**
Arkansas	3,462	108.8	1.22	24,209	146.0	1.47	—	—	—	27,672	140.9	1.44
Louisiana	90,360	141.3	1.47	133,168	161.1	1.68	—	—	—	223,528	153.1	1.59
Oklahoma	144,378	300.4	3.13	19,537	180.9	1.84	—	—	—	163,914	286.5	2.98
Texas	773,489	207.6	2.14	215,673	160.9	1.65	688	199.8	1.82	989,850	197.4	2.03
Mountain	**17,959**	**193.5**	**1.96**	**53,460**	**179.0**	**1.84**	**4,766**	**165.6**	**1.70**	**76,185**	**181.5**	**1.86**
Arizona	5,065	220.4	2.27	17,510	194.7	2.00	—	—	—	22,575	200.5	2.06
Colorado	667	227.6	2.25	2,013	210.8	2.10	—	—	—	2,680	214.9	2.14
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	75	395.3	4.75	8	375.1	4.21	—	—	—	83	393.5	4.70
Nevada	—	—	—	16,165	177.8	1.82	3,751	154.6	1.58	19,916	173.4	1.78
New Mexico	12,152	178.8	1.80	13,728	159.9	1.64	1,015	206.4	2.11	26,895	170.1	1.73
Utah	—	—	—	3,960	161.5	1.72	—	—	—	3,960	161.5	1.72
Wyoming	—	—	—	76	333.6	3.51	—	—	—	76	333.6	3.51
Pacific Contiguous	**—**	**—**	**—**	**460,628**	**283.9**	**2.92**	**—**	**—**	**—**	**460,628**	**283.9**	**2.92**
California	—	—	—	449,661	286.9	2.95	—	—	—	449,661	286.9	2.95
Oregon	—	—	—	10,940	157.0	1.59	—	—	—	10,940	157.0	1.59
Washington	—	—	—	27	383.0	4.02	—	—	—	27	383.0	4.02
Pacific Noncontiguous	**18,722**	**115.6**	**1.16**	**—**	**—**	**—**	**—**	**—**	**—**	**18,722**	**115.6**	**1.16**
Alaska	18,722	115.6	1.16	—	—	—	—	—	—	18,722	115.6	1.16
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Total	**1,235,451**	**212.6**	**2.19**	**1,342,074**	**218.3**	**2.22**	**53,293**	**205.1**	**2.08**	**2,630,818**	**215.3**	**2.20**

* = Number less than 0.5.

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

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

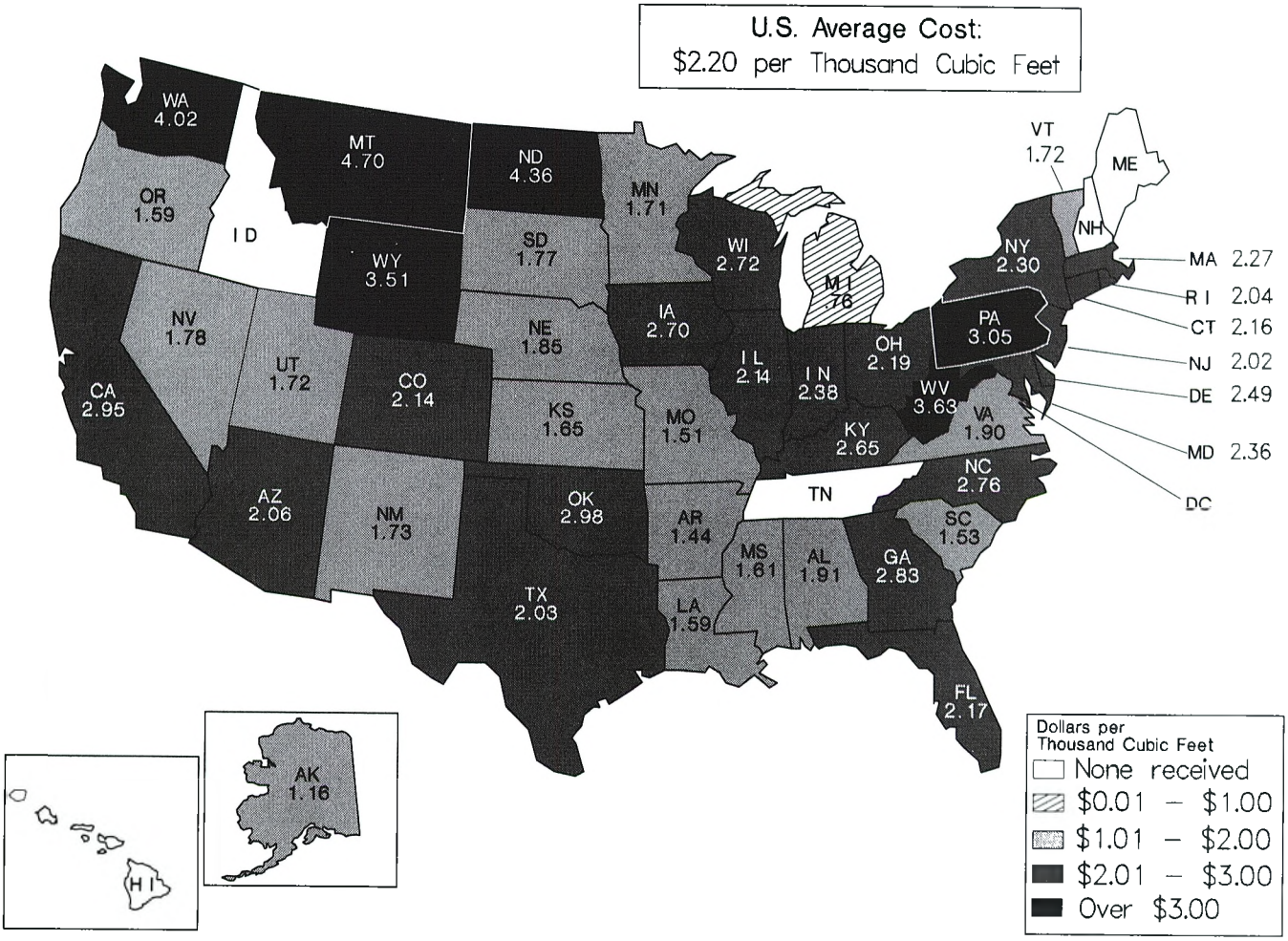
Figure 5. Receipts of Gas, 1991



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

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

Figure 6. Average Delivered Cost of Gas, 1991



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

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

Table 21. Receipts of Gas by Type, Census Division, and State, 1991
(Thousand Mcf)

Census Division and State	Receipts by Type			
	Natural Gas	LNG and SNG[1]	Other[2]	Total
New England	**45,852**	—	—	**45,852**
Connecticut	4,690	—	—	4,690
Maine	—	—	—	—
Massachusetts	38,248	—	—	38,248
New Hampshire	—	—	—	—
Rhode Island	1,821	—	—	1,821
Vermont	1,093	—	—	1,093
Middle Atlantic	**246,863**	—	—	**246,863**
New Jersey	51,744	—	—	51,744
New York	194,870	—	—	194,870
Pennsylvania	249	—	—	249
East North Central	**31,661**	—	**13,870**	**45,531**
Illinois	11,126	—	—	11,126
Indiana	9,026	—	—	9,026
Michigan	6,850	—	13,870	20,720
Ohio	2,966	—	—	2,966
Wisconsin	1,693	—	—	1,693
West North Central	**48,353**	—	**223**	**48,575**
Iowa	2,083	—	—	2,083
Kansas	28,757	—	223	28,979
Minnesota	3,354	—	—	3,354
Missouri	10,820	—	—	10,820
Nebraska	3,166	—	—	3,166
North Dakota	*	—	—	*
South Dakota	172	—	—	172
South Atlantic	**231,097**	—	**580**	**231,677**
Delaware	4,592	—	495	5,087
District of Columbia	—	—	—	—
Florida	191,825	—	—	191,825
Georgia	790	—	—	790
Maryland	13,234	—	—	13,234
North Carolina	2,932	—	—	2,932
South Carolina	9,518	—	—	9,518
Virginia	8,010	—	86	8,096
West Virginia	196	—	—	196
East South Central	**51,819**	—	—	**51,819**
Alabama	3,434	—	—	3,434
Kentucky	205	—	—	205
Mississippi	48,180	—	—	48,180
Tennessee	—	—	—	—
West South Central	**1,404,965**	—	—	**1,404,965**
Arkansas	27,672	—	—	27,672
Louisiana	223,528	—	—	223,528
Oklahoma	163,914	—	—	163,914
Texas	989,850	—	—	989,850
Mountain	**76,185**	—	—	**76,185**
Arizona	22,575	—	—	22,575
Colorado	2,680	—	—	2,680
Idaho	—	—	—	—
Montana	83	—	—	83
Nevada	19,916	—	—	19,916
New Mexico	26,895	—	—	26,895
Utah	3,960	—	—	3,960
Wyoming	76	—	—	76
Pacific Contiguous	**460,628**	—	—	**460,628**
California	449,661	—	—	449,661
Oregon	10,940	—	—	10,940
Washington	27	—	—	27
Pacific Noncontiguous	**18,722**	—	—	**18,722**
Alaska	18,722	—	—	18,722
Hawaii	—	—	—	—
Total	**2,616,145**	—	**14,673**	**2,630,818**

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

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

Table 22. Monthly Receipts, Heating Value, and Cost of Gas by Census Division, 1991

Census Division	January	February	March	April	May	June
New England						
Receipts Firm (1,000 Mcf)	1	32	36	8	3	12
Interruptible (1,000 Mcf)[1]	2,232	413	1,418	3,399	4,262	5,081
Total (1,000 Mcf)	2,233	445	1,454	3,407	4,265	5,093
Total Heating Value, (Billion Btu)	2,405.0	458.0	1,523.3	3,596.3	4,387.8	5,258.1
Avg. Cost, (Cents per Million Btu)	309.0	379.2	279.3	213.8	205.4	202.1
Total Gas Bill, ($1,000)	7,432.5	1,736.9	4,255.1	7,688.2	9,010.5	10,625.7
Middle Atlantic						
Receipts Firm (1,000 Mcf)	750	1,791	3,337	2,249	1,798	1,910
Interruptible (1,000 Mcf)[1]	12,174	8,400	11,562	18,307	24,316	26,472
Total (1,000 Mcf)	12,924	10,191	14,899	20,556	26,114	28,382
Total Heating Value, (Billion Btu)	13,344.1	10,524.0	15,376.8	21,166.1	26,921.0	29,258.9
Avg. Cost, (Cents per Million Btu)	356.9	255.5	205.5	192.5	200.4	193.9
Total Gas Bill, ($1,000)	47,626.0	26,886.8	31,597.6	40,749.2	53,948.5	56,740.5
East North Central						
Receipts Firm (1,000 Mcf)	720	729	1,006	546	893	761
Interruptible (1,000 Mcf)[1]	1,661	2,154	1,884	1,741	2,376	2,677
Total (1,000 Mcf)	2,381	2,883	2,889	2,287	3,269	3,437
Total Heating Value, (Billion Btu)	1,805.9	1,549.3	1,870.0	1,591.5	2,444.1	2,432.8
Avg. Cost, (Cents per Million Btu)	292.6	252.0	230.1	228.8	219.8	203.9
Total Gas Bill, ($1,000)	5,283.2	3,904.6	4,302.3	3,640.7	5,372.1	4,961.4
West North Central						
Receipts Firm (1,000 Mcf)	74	69	54	58	55	283
Interruptible (1,000 Mcf)[1]	1,396	1,478	2,475	4,316	4,989	5,673
Total (1,000 Mcf)	1,470	1,548	2,528	4,374	5,044	5,956
Total Heating Value, (Billion Btu)	1,434.9	1,515.5	2,487.6	4,221.9	4,918.2	5,868.0
Avg. Cost, (Cents per Million Btu)	241.9	204.7	184.4	161.2	163.9	159.0
Total Gas Bill, ($1,000)	3,470.8	3,101.6	4,587.8	6,807.3	8,062.8	9,327.3
South Atlantic						
Receipts Firm (1,000 Mcf)	9,429	7,768	8,814	9,728	13,396	14,686
Interruptible (1,000 Mcf)[1]	6,290	6,635	8,471	7,702	6,565	6,674
Total (1,000 Mcf)	15,718	14,403	17,286	17,430	19,961	21,361
Total Heating Value, (Billion Btu)	15,852.4	14,553.3	17,500.6	17,694.9	20,344.2	21,769.4
Avg. Cost, (Cents per Million Btu)	270.6	195.7	205.3	211.0	207.7	194.4
Total Gas Bill, ($1,000)	42,890.0	28,488.0	35,932.9	37,331.0	42,262.6	42,324.1
East South Central						
Receipts Firm (1,000 Mcf)	762	563	456	372	394	1,192
Interruptible (1,000 Mcf)[1]	2,969	1,916	1,960	2,291	4,102	6,066
Total (1,000 Mcf)	3,731	2,479	2,416	2,663	4,496	7,258
Total Heating Value, (Billion Btu)	3,856.0	2,552.1	2,470.7	2,747.5	4,623.9	7,454.1
Avg. Cost, (Cents per Million Btu)	214.5	166.4	157.8	154.2	153.1	142.7
Total Gas Bill, ($1,000)	8,271.9	4,247.0	3,899.5	4,235.7	7,078.3	10,635.3
West South Central						
Receipts Firm (1,000 Mcf)	67,025	46,890	61,264	77,067	94,753	98,326
Interruptible (1,000 Mcf)[1]	22,609	19,333	32,387	36,797	42,902	44,159
Total (1,000 Mcf)	89,633	66,223	93,651	113,864	137,655	142,486
Total Heating Value, (Billion Btu)	92,527.8	68,386.2	96,719.3	118,288.9	141,436.1	147,455.4
Avg. Cost, (Cents per Million Btu)	235.1	206.6	195.8	188.2	184.4	182.8
Total Gas Bill, ($1,000)	217,542.9	141,259.0	189,364.1	222,563.3	260,850.1	269,538.1
Mountain						
Receipts Firm (1,000 Mcf)	962	953	1,361	1,714	1,447	1,590
Interruptible (1,000 Mcf)[1]	1,515	2,130	4,493	4,446	4,246	5,813
Total (1,000 Mcf)	2,477	3,084	5,854	6,160	5,692	7,402
Total Heating Value, (Billion Btu)	2,506.6	3,169.0	6,023.5	6,334.0	5,836.4	7,567.6
Avg. Cost, (Cents per Million Btu)	226.4	182.3	169.0	179.9	169.9	163.3
Total Gas Bill, ($1,000)	5,675.0	5,776.9	10,179.1	11,393.3	9,914.0	12,357.4
Pacific Contiguous						
Receipts Firm (1,000 Mcf)	—	—	—	—	—	—
Interruptible (1,000 Mcf)[1]	32,415	34,544	40,074	31,930	25,743	21,560
Total (1,000 Mcf)	32,415	34,544	40,074	31,930	25,743	21,560
Total Heating Value, (Billion Btu)	33,507.5	35,560.3	41,224.4	32,832.0	26,470.6	22,128.8
Avg. Cost, (Cents per Million Btu)	331.8	312.1	303.6	296.0	283.5	275.5
Total Gas Bill, ($1,000)	111,175.9	110,992.3	125,173.6	97,175.7	75,035.9	60,966.4
Pacific Noncontiguous						
Receipts Firm (1,000 Mcf)	2,116	1,768	1,801	1,224	1,428	1,451
Interruptible (1,000 Mcf)[1]	—	—	—	—	—	—
Total (1,000 Mcf)	2,116	1,768	1,801	1,224	1,428	1,451
Total Heating Value, (Billion Btu)	2,119	1,774	1,808	1,225	1,429	1,450
Avg. Cost, (Cents per Million Btu)	138	134	119	150	128	129
Total Gas Bill, ($1,000)	2,930	2,381	2,157	1,833	1,830	1,865
Total						
Receipts Firm (1,000 Mcf)	81,838	60,564	78,129	92,964	114,166	120,211
Interruptible (1,000 Mcf)[1]	83,261	77,004	104,724	110,929	119,501	124,175
Total (1,000 Mcf)	165,100	137,568	182,853	203,893	233,667	244,386
Total Heating Value, (Billion Btu)	169,359.1	140,041.6	187,003.8	209,697.9	238,811.2	250,643.3
Avg. Cost, (Cents per Million Btu)	267.1	234.8	220.0	206.7	198.2	191.2
Total Gas Bill, ($1,000)	452,298.1	328,774.3	411,449.2	433,417.3	473,364.5	479,341.8

[1] Includes Off-Peak Gas.

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

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

Table 22. Monthly Receipts, Heating Value, and Cost of Gas by Census Division, 1991 (Continued)

Census Division	July	August	September	October	November	December	12-Month Total
New England							
Receipts Firm (1,000 Mcf)	13	9	14	13	89	92	323
Interruptible (1,000 Mcf)[1]	8,104	8,523	5,201	5,353	1,313	229	45,529
Total (1,000 Mcf)	8,117	8,533	5,215	5,367	1,402	321	45,852
Total Heating Value, (Billion Btu)	8,393.0	8,791.8	5,418.4	5,597.2	1,443.6	330.7	47,603.2
Avg. Cost, (Cents per Million Btu)	177.2	196.8	218.6	232.2	247.8	392.4	215.6
Total Gas Bill, ($1,000)	14,870.6	17,303.7	11,846.7	12,998.2	3,577.7	1,297.8	102,643.6
Middle Atlantic							
Receipts Firm (1,000 Mcf)	2,929	1,970	2,045	2,864	1,096	912	23,651
Interruptible (1,000 Mcf)[1]	31,097	30,632	19,819	15,919	13,656	10,858	223,213
Total (1,000 Mcf)	34,026	32,602	21,864	18,783	14,752	11,770	246,863
Total Heating Value, (Billion Btu)	35,094.0	33,639.2	22,546.7	19,333.7	15,215.1	12,133.4	254,552.8
Avg. Cost, (Cents per Million Btu)	184.9	182.4	202.3	234.7	272.4	301.0	217.2
Total Gas Bill, ($1,000)	64,902.4	61,372.1	45,603.9	45,378.7	41,451.0	36,515.8	552,772.5
East North Central							
Receipts Firm (1,000 Mcf)	2,756	2,018	1,246	915	727	2,058	14,373
Interruptible (1,000 Mcf)[1]	3,819	4,363	2,351	2,023	3,038	3,070	31,159
Total (1,000 Mcf)	6,575	6,381	3,597	2,939	3,765	5,129	45,531
Total Heating Value, (Billion Btu)	5,453.4	4,850.8	2,885.1	2,160.2	2,345.0	3,722.4	33,110.3
Avg. Cost, (Cents per Million Btu)	171.2	183.1	203.1	243.2	251.9	255.6	218.1
Total Gas Bill, ($1,000)	9,336.9	8,881.6	5,859.2	5,253.2	5,906.3	9,513.2	72,214.7
West North Central							
Receipts Firm (1,000 Mcf)	309	330	297	311	155	78	2,072
Interruptible (1,000 Mcf)[1]	7,763	6,235	5,168	3,367	2,461	1,182	46,504
Total (1,000 Mcf)	8,072	6,565	5,465	3,679	2,616	1,261	48,575
Total Heating Value, (Billion Btu)	8,004.5	6,534.4	5,402.7	3,515.9	2,515.5	1,228.6	47,647.8
Avg. Cost, (Cents per Million Btu)	154.2	150.9	167.5	191.9	217.8	239.9	171.7
Total Gas Bill, ($1,000)	12,346.8	9,861.5	9,048.9	6,747.7	5,478.5	2,947.9	81,788.9
South Atlantic							
Receipts Firm (1,000 Mcf)	14,677	14,223	15,724	10,779	9,521	9,290	138,036
Interruptible (1,000 Mcf)[1]	12,815	13,090	5,628	8,466	6,075	5,230	93,642
Total (1,000 Mcf)	27,492	27,313	21,352	19,245	15,596	14,520	231,677
Total Heating Value, (Billion Btu)	28,164.6	27,983.9	21,738.7	19,493.0	15,825.6	15,062.8	235,983.5
Avg. Cost, (Cents per Million Btu)	196.1	194.6	211.9	223.0	235.5	229.4	212.0
Total Gas Bill, ($1,000)	55,221.6	54,464.6	46,071.0	43,462.2	37,262.2	34,549.0	500,259.1
East South Central							
Receipts Firm (1,000 Mcf)	1,730	629	590	644	621	675	8,628
Interruptible (1,000 Mcf)[1]	8,767	7,001	2,982	1,906	2,217	1,013	43,191
Total (1,000 Mcf)	10,497	7,630	3,572	2,550	2,839	1,688	51,819
Total Heating Value, (Billion Btu)	10,766.8	7,817.5	3,640.7	2,596.1	2,884.5	1,709.2	53,119.2
Avg. Cost, (Cents per Million Btu)	136.7	143.9	161.8	190.7	206.5	214.1	159.6
Total Gas Bill, ($1,000)	14,716.0	11,251.5	5,888.9	4,951.1	5,955.4	3,660.1	84,790.7
West South Central							
Receipts Firm (1,000 Mcf)	119,471	119,529	89,413	98,239	75,765	63,946	1,011,689
Interruptible (1,000 Mcf)[1]	50,381	43,040	33,068	31,323	20,384	16,895	393,276
Total (1,000 Mcf)	169,852	162,569	122,480	129,562	96,149	80,841	1,404,965
Total Heating Value, (Billion Btu)	175,482.1	168,104.5	126,600.0	133,977.0	98,943.5	83,270.8	1,451,191.6
Avg. Cost, (Cents per Million Btu)	174.9	186.4	204.2	223.7	219.7	240.7	199.7
Total Gas Bill, ($1,000)	306,939.4	313,282.8	258,492.1	299,751.2	217,379.8	200,469.5	2,897,432.3
Mountain							
Receipts Firm (1,000 Mcf)	1,854	1,781	1,125	2,183	1,714	1,274	17,959
Interruptible (1,000 Mcf)[1]	8,040	8,325	5,575	6,947	4,199	2,499	58,226
Total (1,000 Mcf)	9,893	10,106	6,700	9,130	5,913	3,774	76,185
Total Heating Value, (Billion Btu)	10,125.7	10,321.2	6,846.2	9,352.0	6,065.0	3,840.2	77,987.4
Avg. Cost, (Cents per Million Btu)	156.8	168.6	183.2	199.2	215.3	228.3	181.5
Total Gas Bill, ($1,000)	15,879.0	17,400.8	12,542.0	18,626.0	13,055.8	8,766.6	141,565.9
Pacific Contiguous							
Receipts Firm (1,000 Mcf)	—	—	—	—	—	—	—
Interruptible (1,000 Mcf)[1]	34,797	43,075	57,162	58,868	42,485	37,975	460,628
Total (1,000 Mcf)	34,797	43,075	57,162	58,868	42,485	37,975	460,628
Total Heating Value, (Billion Btu)	35,683.8	44,291.4	58,687.2	60,397.0	43,677.5	38,994.8	473,455.3
Avg. Cost, (Cents per Million Btu)	258.9	246.6	260.1	260.6	290.8	320.7	283.9
Total Gas Bill, ($1,000)	92,379.3	109,212.1	152,642.6	157,397.3	126,995.0	125,060.5	1,344,206.6
Pacific Noncontiguous							
Receipts Firm (1,000 Mcf)	1,416	1,646	1,492	1,336	1,207	1,836	18,722
Interruptible (1,000 Mcf)[1]	—	—	—	—	—	—	—
Total (1,000 Mcf)	1,416	1,646	1,492	1,336	1,207	1,836	18,722
Total Heating Value, (Billion Btu)	1,412	1,653	1,492	1,336	1,205	1,838	18,741
Avg. Cost, (Cents per Million Btu)	106	123	115	63	53	105	116
Total Gas Bill, ($1,000)	1,492	2,040	1,720	838	642	1,929	21,657
Total							
Receipts Firm (1,000 Mcf)	145,155	142,134	111,947	117,285	90,894	80,163	1,235,451
Interruptible (1,000 Mcf)[1]	165,583	164,284	136,952	134,173	95,827	78,952	1,395,367
Total (1,000 Mcf)	310,738	306,418	248,899	251,458	186,722	159,115	2,630,818
Total Heating Value, (Billion Btu)	318,579.5	313,987.5	255,257.8	257,758.5	190,120.7	162,130.6	2,693,391.5
Avg. Cost, (Cents per Million Btu)	184.6	192.7	215.4	231.0	240.7	262.0	215.3
Total Gas Bill, ($1,000)	588,084.0	605,070.7	549,715.1	595,403.1	457,703.4	424,709.5	5,799,331.0

[1] Includes Off-Peak Gas.

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

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

Table 23. Total Heating Value and Cost of Fossil-Fuels by Census Division and State, 1991

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	**468,373**	**169,519**	**251,252**	**47,603**	**36.2**	**53.6**	**10.2**	**178.9**	**225.9**	**215.6**
Connecticut	102,189	23,061	74,284	4,844	22.6	72.7	4.7	216.6	247.4	209.0
Maine	14,146	—	14,146	—	—	100.0	—	—	208.5	—
Massachusetts	299,957	112,430	147,728	39,799	37.5	49.2	13.3	172.5	221.0	218.4
New Hampshire	48,058	34,028	14,030	—	70.8	29.2	—	174.4	179.6	—
Rhode Island	2,943	—	1,063	1,880	—	36.1	63.9	—	241.1	198.0
Vermont	1,080	—	—	1,080	—	—	100.0	—	—	174.0
Middle Atlantic	**1,890,089**	**1,296,970**	**338,566**	**254,553**	**68.6**	**17.9**	**13.5**	**156.5**	**273.6**	**217.2**
New Jersey	125,835	54,323	18,128	53,385	43.2	14.4	42.4	178.2	302.1	195.7
New York	730,255	238,690	290,654	200,911	32.7	39.8	27.5	159.4	271.9	222.8
Pennsylvania	1,033,998	1,003,957	29,784	257	97.1	2.9	*	154.7	272.8	295.3
East North Central	**3,802,954**	**3,742,628**	**27,215**	**33,110**	**98.4**	**.7**	**.9**	**148.7**	**336.3**	**218.1**
Illinois	600,917	574,931	14,656	11,330	95.7	2.4	1.9	171.4	308.8	210.4
Indiana	989,681	978,572	2,073	9,037	98.9	.2	.9	134.4	493.9	237.7
Michigan	652,388	638,035	6,302	8,051	97.8	1.0	1.2	159.2	285.5	195.9
Ohio	1,189,681	1,182,994	3,701	2,987	99.4	.3	.3	147.9	428.7	217.9
Wisconsin	370,287	368,098	483	1,706	99.4	.1	.5	135.8	445.8	270.3
West North Central	**1,871,726**	**1,820,546**	**3,533**	**47,648**	**97.3**	**.2**	**2.5**	**112.2**	**335.8**	**171.7**
Iowa	293,110	290,612	406	2,093	99.1	.1	.7	110.4	437.7	268.5
Kansas	287,735	259,164	523	28,047	90.1	.2	9.7	122.6	431.6	170.7
Minnesota	288,577	284,978	218	3,380	98.8	.1	1.2	126.0	382.9	170.2
Missouri	532,018	519,095	1,951	10,972	97.6	.4	2.1	134.2	261.9	149.1
Nebraska	155,213	152,182	49	2,982	98.0	*	1.9	74.5	457.3	196.8
North Dakota	286,849	286,485	364	*	99.9	.1	*	70.9	426.1	433.9
South Dakota	28,225	28,029	22	173	99.3	.1	.6	113.3	487.9	175.8
South Atlantic	**3,691,297**	**3,090,347**	**364,966**	**235,984**	**83.7**	**9.9**	**6.4**	**169.7**	**230.0**	**212.0**
Delaware	73,200	52,276	15,573	5,351	71.4	21.3	7.3	178.2	237.9	236.9
District of Columbia	2,728	—	2,728	—	—	100.0	—	—	318.6	—
Florida	1,083,638	604,210	284,881	194,547	55.8	26.3	18.0	185.7	224.8	213.5
Georgia	591,577	589,512	1,255	809	99.7	.2	.1	179.9	473.8	276.3
Maryland	278,984	221,820	43,319	13,845	79.5	15.5	5.0	163.4	226.1	225.8
North Carolina	458,726	454,383	1,316	3,027	99.1	.3	.7	177.9	473.5	267.5
South Carolina	244,927	234,511	659	9,757	95.7	.3	4.0	162.6	475.1	148.9
Virginia	241,328	219,585	13,291	8,451	91.0	5.5	3.5	152.2	222.7	182.2
West Virginia	716,189	714,049	1,944	196	99.7	.3	*	151.7	537.4	363.3
East South Central	**1,906,479**	**1,845,789**	**7,570**	**53,119**	**96.8**	**.4**	**2.8**	**142.3**	**345.4**	**159.6**
Alabama	593,998	589,604	883	3,511	99.3	.1	.6	181.0	511.8	187.1
Kentucky	708,395	706,739	1,446	209	99.8	.2	*	117.7	505.1	259.7
Mississippi	147,157	93,584	4,174	49,399	63.6	2.8	33.6	166.9	215.7	157.3
Tennessee	456,929	455,862	1,067	—	99.8	.2	—	125.2	498.3	—
West South Central	**3,412,003**	**1,957,189**	**3,623**	**1,451,192**	**57.4**	**.1**	**42.5**	**149.9**	**477.3**	**199.7**
Arkansas	246,281	217,371	683	28,227	88.3	.3	11.5	159.7	560.7	140.9
Louisiana	434,235	200,835	537	232,863	46.3	.1	53.6	164.7	413.4	153.1
Oklahoma	449,566	279,018	120	170,427	62.1	*	37.9	131.8	408.7	286.5
Texas	2,281,921	1,259,964	2,283	1,019,674	55.2	.1	44.7	149.9	471.0	197.4
Mountain	**2,032,269**	**1,949,323**	**4,959**	**77,987**	**95.9**	**.2**	**3.8**	**113.6**	**445.6**	**181.5**
Arizona	376,492	352,523	781	23,188	93.6	.2	6.2	140.8	499.0	200.5
Colorado	309,284	306,519	99	2,666	99.1	*	.9	108.7	512.6	214.9
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	177,448	177,219	130	99	99.9	.1	.1	67.1	471.7	393.5
Nevada	202,792	179,814	2,586	20,392	88.7	1.3	10.1	140.6	393.3	173.4
New Mexico	262,150	234,367	446	27,338	89.4	.2	10.4	137.6	535.3	170.1
Utah	308,518	304,022	272	4,225	98.5	.1	1.4	119.4	490.3	161.5
Wyoming	395,585	394,859	645	80	99.8	.2	*	83.1	494.3	333.6
Pacific Contiguous	**594,365**	**107,796**	**13,113**	**473,455**	**18.1**	**2.2**	**79.7**	**142.6**	**314.4**	**283.9**
California	474,893	—	12,527	462,367	—	2.6	97.4	—	306.2	286.9
Oregon	40,541	28,985	496	11,060	71.5	1.2	27.3	108.4	475.3	157.0
Washington	78,930	78,811	91	29	99.8	.1	*	155.1	572.9	383.0
Pacific Noncontiguous	**74,930**	**—**	**56,189**	**18,741**	**—**	**75.0**	**25.0**	**—**	**330.6**	**115.6**
Alaska	18,741	—	—	18,741	—	—	100.0	—	—	115.6
Hawaii	56,189	—	56,189	—	—	100.0	—	—	330.6	—
Total	**19,744,484**	**15,980,106**	**1,070,986**	**2,693,391**	**80.9**	**5.4**	**13.6**	**144.7**	**254.8**	**215.3**

* = Number less than 0.5

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

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

Origin and Destination of Coal

This chapter contains information on the origin and destination of coal to steam-electric plants by Bureau of Mines (BOM) District (Table 27). The States that are part of each district and the amount of coal that originated from those States are provided in Table 33. In addition, under each BOM State of origin, the destination and amount of coal delivered are shown by State. Note that a State of origin can be located in more than one BOM District (West Virginia, for example, is in Districts 1, 3, 6, 7, and 8). For a complete listing of the BOM Districts, see Table B1, Appendix B. This chapter also contains data on the destination and origin of coal by Census division and State, State of origin, and State of destination (Table 34). Information regarding the share of the total coal shipments that was surface-mined (as opposed to underground) and the share of receipts that was purchased in the spot market (as opposed to under contract) is also contained in Table 34. Data on the origin and destination of coal deliveries to electric utilities by State are provided in Table 35.

In addition, this chapter contains data on the origin of coal delivered to each steam-electric plant that reports its coal receipts (Table 36). Information at the electric utility level includes the county of origin for the coal and the corresponding quantity, quality, and delivered cost of that coal by plant. 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 to list the county in which the tipple is located as the county of origin. However, in some cases the coal delivered to the tipple comes from various surrounding counties and the data have not been adjusted to compensate for this. Therefore, when a utility can not determine the county of origin for the delivered coal, the State and county of origin are designated as "Unknown."

Domestic Coal

In 1991, 768 million short tons of coal, which originated in 24 coal-producing States, were delivered to coal-fired plants located in 43 States. State-level data on the quantity and cost of coal by State of origin and by sulfur content are provided in Tables 25 and 26. Wyoming, Kentucky, and West Virginia were the States of origin for 50 percent (383 million short tons) of all coal delivered to electric utilities in 1991. Coal receipts from Wyoming totaled 184 million short tons and were delivered to power plants located in 21 States. Receipts of Wyoming coal were highest in Texas, where 34 million short tons were delivered in 1991 (Table 34). Coal received from Kentucky amounted to 114 million short tons and was delivered primarily to coal-fired plants located east of the Mississippi River. Coal from Kentucky was delivered to electric plants located in 24 States (23 million short tons were delivered to coal-fired plants located within Kentucky). A total of 85 million short tons of coal from West Virginia was delivered to electric plants in 21 States (including 24 million short tons to in-State coal-fired plants).

A high percentage of the coal mined for the steam-electric utility market in Illinois, Montana, and Virginia (in addition to Wyoming, Kentucky, and West Virgina) is shipped out of State. In 1991, coal receipts from Illinois amounted to 55 million short tons--39 million short tons of which were shipped out of State, primarily to coal-fired plants located in Indiana, Missouri, Florida, and Georgia (Table 33). Receipts of coal from Montana totaled 36 million short tons with 26 million short tons being shipped to Michigan, Minnesota, Illinois, Wisconsin, Indiana, and Mississippi. Coal from Virginia totaled 16 million short tons (12 million short tons were delivered to out-of-State plants, primarily in Florida, Georgia, Massachusetts, New Jersey, North Carolina, South Carolina, and Tennessee). One of the longest distances domestic coal was hauled during 1991 was approximately 2,000 miles, when coal mined in Wyoming was delivered to the Georgia Power Company. Transporting coal 1,000 miles or more from the mine to the electric plant is not uncommon.

In 1991, 42 percent of all coal mined for electric utilities was delivered to electric plants located in the same State in which the coal was mined. For example, of the 29 million short tons of coal shipments from Ohio to electric utilities in 1991, 92 percent was delivered to coal-fired plants located in Ohio. Nearly 100 percent of all coal mined in Alabama for electric utilities was delivered to in-State coal-fired plants. Of the coal from Indiana that was purchased by electric utilities in 1991, 71 percent (19 million short tons) was received by coal-fired plants located in Indiana. All coal from Iowa, Louisiana, Oklahoma, Texas, and Washington destined for delivery to electric utilities was delivered to coal-fired plants located in the State where it was mined.

Domestic coal is obtained from three major coal-producing regions in the United States -- the Appalachian, Interior, and Western Regions (Tables 24, 30, 31, and 32).

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

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

Western Region Coal is mined in Montana, Wyoming, Colorado, Utah, North Dakota, Arizona, and New Mexico. It is generally delivered to electric plants throughout the western and central United States. Most of the coal in this region is subbituminous coal that is low in sulfur content (less than 0.5 percent) and contains approximately 9,000 Btu per pound. The Powder River Basin (located in northeast Wyoming and southeast Montana and part of the Western Region) was the origin for 203 million short tons of coal delivered to electric utilities in 1991. Coal from this basin is delivered by unit train to electric plants as far east as New York and Georgia.

Appalachian Region Coal Deliveries. The amount of coal from the Appalachian Region delivered to electric utilities in 1991 was 275 million short tons (Table 30), a decrease of 21 million short tons from 1990. The average Btu and sulfur content of coal from this region increased slightly from the previous year while the average delivered cost decreased by $0.16 to $40.08 per short ton. In 1991, the Alabama Power Company, the Georgia Power Company, and the Pennsylvania Electric Company purchased the largest amounts of Appalachian Region coal (each approximately 17 million short tons).

Interior Region Coal Deliveries. In 1991, coal deliveries to electric utilities from the Interior Region totaled 124 million short tons (Table 31), a decrease of nearly 9 million short tons from 1990. The sulfur content of coal from this region averaged 2.82 percent. The average delivered cost per short ton increased by $0.45 to $31.98. As has been the case for the past several years, the Tennessee Valley Authority purchased the largest amount of Interior Region coal (20 million short tons) in 1991.

Western Region Coal Deliveries. Receipts of coal to electric utilities from the Western Region in 1991 were 290 million short tons (Table 32), an increase of 8 million short tons from 1990. The average delivered cost of Western Region coal was $24.11 per short ton, a decrease of $0.26 per short ton from 1990. On a national basis, the delivered cost of Western Region coal is usually lower than the delivered cost of Appalachian or Interior Region coal. This is due to the relatively low cost of mining western coal (usually large surface mines with thick seams of easily accessible coal) and, to some extent, the low transportation costs resulting from the proximity of many of the western electric plants to the coal mines. Transportation costs for Western Region coal delivered to electric plants in the central and southern United States often comprise well over half of the delivered cost of this coal.

PacifiCorp purchased the largest amount of Western Region coal in 1991 (28 million short tons). Other electric utilities purchasing more than 10 million short tons of Western Region coal in 1991 include the Arizona Public Service Company, Arkansas Power & Light Company, Detroit Edison Company, Montana Power Company, and the Northern States Power Company.

Table 24. Receipts of Coal by Coal-Producing Region, 1987-1991
(Thousand Short Tons)

Region	1991	1990	1989	1988	1987
Appalachian Region	275,158	295,770	283,009	271,232	286,027
Interior Region	124,218	132,726	124,813	122,438	132,158
Western Region	289,771	281,334	269,258	259,684	235,315
Total	**689,146**	**709,829**	**677,081**	**653,354**	**653,500**

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. • 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."

Lignite

In 1991, 76 million short tons of lignite (excluding the 2.9 million short tons of lignite purchased by the Aluminium Company of America (ALCOA) for use at the Texas Utilities (TU) Electric Company's Sandow Unit 4) were delivered to electric utilities. This represented an increase of less than 1 million short tons in 1991, compared with 1990 lignite receipts. The average cost for total U.S. lignite delivered to electric utilities in 1991 was $13.37 per short ton (Table 28).

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

The Texas Utilities (TU) Electric Company received the largest amount of lignite in 1991, 32 million short tons. The lignite was burned at the company's four coal-fired plants (Big Brown, Sandow Unit 4, Martin Lake, and Monticello). Receipts during prior years included only lignite purchased by TU and did not include lignite purchased by ALCOA for use at the Sandow Unit 4. The Houston Lighting & Power Company received 8 million short tons of lignite at its Limestone Plant and the Basin Electric Power Cooperative (North Dakota) received a total of 8 million short tons of lignite at its Antelope Valley and Leland Olds Plants.

Imported Coal

During 1991, the level of coal imported to U.S. electric utilities remained minimal. A total of 2 million short tons of coal was imported from Colombia, Venezuela, Canada, and Indonesia (Table 29). The Jacksonville Electric Authority in Florida received the largest amount of imported coal (1.6 million short tons) from Colombia and Venezuela. The New England Power Company received 84 thousand short tons of coal from Venezuela. The Public Service Company of New Hampshire received 207 thousand short tons of coal from Venezuela. Tacoma Public Utilities received 27 thousand short tons of coal from Canada while the Tampa Electric Company received 24 thousand short tons of coal from Indonesia. Tampa Electric's receipt of coal from Indonesia was the first delivery of coal from Indonesia to an electric utility in the United States. The quality of this coal is unusual in that it contained only 0.07 percent sulfur and an ash content of 1.2 percent. Coal from Colombia (South America) accounted for 80 percent (1.6 million short tons) of all imports. The amount of coal imported from Venezuela was 249 thousand short tons. Imports of Canadian coal totaled 27 thousand short tons while coal from Indonesia totaled 24 thousand short tons.

Table 25. Receipts of Coal by State of Origin, 1991

State of Origin	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama	17,207	12,141	1.27	12.26	201.7	48.97
Arizona	12,932	10,992	.50	9.42	105.9	23.27
Colorado	15,200	10,772	.40	8.34	137.0	29.52
Illinois	54,831	11,206	2.67	9.57	158.6	35.56
Indiana	27,318	11,135	2.53	9.19	128.2	28.54
Iowa	87	9,842	4.23	13.48	172.8	34.02
Kansas	391	12,086	3.45	11.62	132.5	32.03
Kentucky	113,908	12,194	1.78	9.88	152.0	37.07
Louisiana	3,150	6,928	.62	12.46	132.8	18.41
Maryland	3,522	12,644	1.58	12.87	141.1	35.68
Missouri	1,975	10,525	4.17	10.38	180.0	37.88
Montana	36,489	9,002	.52	6.88	139.8	25.17
New Mexico	21,375	9,306	.70	19.56	154.6	28.78
North Dakota	24,010	6,550	.84	9.16	74.7	9.78
Ohio	29,099	11,785	3.49	11.21	144.7	34.12
Oklahoma	480	12,984	2.15	9.25	138.2	35.89
Pennsylvania	46,689	12,443	1.82	12.48	154.4	38.42
Tennessee	3,185	12,590	1.40	10.29	128.6	32.39
Texas	51,425	6,254	1.02	17.72	117.8	14.73
Utah	14,677	11,574	.46	10.34	123.4	28.55
Virginia	16,167	12,887	1.14	9.70	167.7	43.21
Washington	4,890	8,003	.67	14.90	154.7	24.77
West Virginia	84,516	12,546	1.62	10.53	159.6	40.05
Wyoming	184,433	8,659	.37	5.47	130.4	22.59
Subtotal	**767,956**	**10,373**	**1.31**	**9.77**	**144.6**	**30.00**
Imported[1]	1,967	12,111	.70	6.96	156.9	38.00
Total	**769,923**	**10,378**	**1.30**	**9.76**	**144.7**	**30.02**

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

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

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

Table 26. Receipts and Average Delivered Cost of Coal by Sulfur Content and State of Origin, 1991

State of Origin	1.0% or Less			More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%		
	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)	Receipts (thousand short tons)	(cents per million Btu)	(dollars per short ton)
Alabama	8,950	231.6	56.21	4,905	169.4	41.31	3,352	169.1	40.85	—	—	—
Arizona	12,932	105.9	23.27	—	—	—	—	—	—	—	—	—
Colorado	15,189	137.0	29.53	11	95.0	17.52	—	—	—	—	—	—
Illinois	252	147.0	35.44	11,440	156.7	35.67	24,817	163.1	37.15	18,321	153.8	33.33
Indiana	856	143.3	31.66	3,909	133.5	29.68	15,756	128.7	28.60	6,798	121.9	27.36
Iowa	—	—	—	—	—	—	10	191.3	35.06	77	170.6	33.88
Kansas	—	—	—	—	—	—	56	120.1	28.77	335	134.6	32.57
Kentucky	35,298	165.8	41.89	40,620	163.4	40.47	21,425	132.8	31.38	16,566	114.4	25.81
Louisiana	3,150	132.8	18.41	—	—	—	—	—	—	—	—	—
Maryland	132	141.0	35.47	3,362	141.2	35.74	28	119.3	28.52	—	—	—
Missouri	—	—	—	—	—	—	10	118.9	28.58	1,965	180.3	37.93
Montana	36,489	139.8	25.17	—	—	—	—	—	—	—	—	—
New Mexico	21,375	154.6	28.78	—	—	—	—	—	—	—	—	—
North Dakota	20,313	77.6	10.07	3,697	59.4	8.19	—	—	—	—	—	—
Ohio	28	149.5	34.98	729	133.9	31.94	6,580	147.4	35.09	21,763	144.3	33.89
Oklahoma	70	181.8	45.76	253	144.1	37.66	4	131.2	31.85	153	109.3	28.53
Pennsylvania	3,141	146.1	33.74	27,783	159.4	40.18	15,191	146.7	36.23	575	153.6	36.85
Tennessee	1,020	129.4	31.92	1,537	132.4	34.01	594	116.9	28.97	34	134.8	32.90
Texas	23,735	123.9	15.39	27,690	112.6	14.17	—	—	—	—	—	—
Utah	14,677	123.4	28.55	—	—	—	—	—	—	—	—	—
Virginia	6,434	172.3	44.51	9,341	165.7	42.63	393	137.5	35.68	—	—	—
Washington	4,890	154.7	24.77	—	—	—	—	—	—	—	—	—
West Virginia	40,484	168.2	41.93	16,958	160.7	40.28	14,856	146.4	37.68	12,218	146.1	36.39
Wyoming	184,297	130.5	22.59	136	93.2	16.26	—	—	—	—	—	—
Subtotal	**433,712**	**141.9**	**27.12**	**152,369**	**153.4**	**34.12**	**103,071**	**145.5**	**34.51**	**78,804**	**139.4**	**31.99**
Imported[1]	1,967	156.9	38.00	—	—	—	—	—	—	—	—	—
Total	**435,679**	**142.0**	**27.17**	**152,369**	**153.4**	**34.12**	**103,071**	**145.5**	**34.51**	**78,804**	**139.4**	**31.99**

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

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

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

Table 27. Receipts of Coal by Bureau of Mines District, 1991

Bureau of Mines District	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
District 1	37,630	12,374	1.80	13.75	156.4	38.70
District 2	16,121	12,882	1.84	8.69	149.4	38.50
District 3	25,445	12,847	2.14	9.89	151.6	38.95
District 4	29,099	11,785	3.49	11.21	144.7	34.12
District 6	9,765	12,197	3.91	11.32	148.3	36.19
District 7	964	12,603	1.12	10.48	163.9	41.31
District 8	137,189	12,536	1.00	9.80	165.4	41.47
District 9	39,135	11,593	3.15	10.81	125.1	29.01
District 10	54,831	11,206	2.67	9.57	158.6	35.56
District 11	27,318	11,135	2.53	9.19	128.2	28.54
District 12	87	9,842	4.23	13.48	172.8	34.02
District 13	18,221	12,151	1.26	12.28	197.6	48.02
District 14	120	12,660	1.92	10.97	143.8	36.42
District 15	57,301	6,521	1.13	17.08	122.5	15.98
District 17	15,484	10,795	.41	8.45	137.6	29.71
District 18	34,022	9,924	.62	15.75	134.0	26.59
District 19	184,433	8,659	.37	5.47	130.4	22.59
District 20	14,677	11,574	.46	10.34	123.4	28.55
District 21	24,010	6,550	.84	9.16	74.7	9.78
District 22	36,489	9,002	.52	6.88	139.8	25.17
District 23	4,890	8,003	.67	14.90	154.7	24.77
District 24	722	7,960	.64	33.40	94.1	14.98
Subtotal	**767,956**	**10,373**	**1.31**	**9.77**	**144.6**	**30.00**
Imported[1]	1,967	12,111	.70	6.96	156.9	38.00
Total	**769,923**	**10,378**	**1.30**	**9.76**	**144.7**	**30.02**

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

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. For more detailed information on the Bureau of Mines Districts, see Table B1.

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

Table 28. Receipts of Lignite, 1991

Company	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Basin Electric Power Coop	7,673	6,626	0.61	8.79	76.9	10.19
Central Louisiana Elec Co Inc	3,150	6,928	.62	12.46	132.8	18.41
Coop Power Assn	6,807	6,291	.74	10.69	72.5	9.12
Houston Lighting & Power Co	7,931	6,399	.98	17.75	168.9	21.62
Lower Colorado River Authority	192	6,700	1.34	10.33	164.2	22.00
Minnkota Power Coop Inc	4,056	6,885	1.24	7.97	45.4	6.25
Montana-Dakota Utilities Co	2,354	6,876	1.10	8.21	83.1	11.43
Otter Tail Power Co	2,327	6,026	.87	9.04	113.3	13.65
San Miguel Electric Coop Inc	3,076	5,420	1.84	24.58	92.0	9.97
Southwestern Electric Power Co	2,810	6,695	1.76	11.97	133.4	17.86
Texas Municipal Power Agency	3,587	4,668	1.33	26.06	135.5	12.65
Texas New Mexico Power Co	1,417	6,775	.99	15.55	138.8	18.81
Texas Utilities Electric Co	32,412	6,410	.86	16.78	103.3	13.24
United Power Assn	1,017	6,805	.86	8.76	99.3	13.52
Total	**78,810**	**6,372**	**.95**	**14.88**	**104.9**	**13.37**

[1] Data for Texas Utilities Electric Company include an estimate of 2.9 million short tons for the Aluminium Company of America (ALCOA) portion of the lignite delivered to Unit 4 of the Sandow Plant.

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

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

Table 29. Receipts, Quality, and Average Delivered Cost of Imported Coal, 1987-1991

Company Country of Origin	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
1991	**1,967**	**12,111**	**0.70**	**7.0**	**156.9**	**38.00**
Jacksonville Electric Auth	**1,625**	**12,002**	**.73**	**7.08**	**152.4**	**36.58**
Colombia	1,583	11,978	.73	7.04	153.1	36.68
Venezuela	42	12,913	.56	8.90	126.9	32.77
New England Power Co	**84**	**13,390**	**.77**	**7.55**	**167.3**	**44.81**
Venezuela	84	13,390	.77	7.55	167.3	44.81
Public Service Co of NH	**207**	**12,989**	**.52**	**5.65**	**173.6**	**45.10**
Venezuela	207	12,989	.52	5.65	173.6	45.10
Tacoma City of	**27**	**9,994**	**.46**	**12.76**	**209.2**	**41.82**
Canada	27	9,994	.46	12.76	209.2	41.82
Tampa Electric Co	**24**	**9,815**	**.07**	**1.20**	**227.3**	**44.62**
Indonesia	24	9,815	.07	1.20	227.3	44.62
1990	**1,366**	**12,155**	**.72**	**6.57**	**175.2**	**42.58**
Jacksonville Electric Auth	**1,048**	**11,951**	**.74**	**6.77**	**171.5**	**41.00**
Colombia	1,008	11,938	.74	6.58	171.6	40.96
Venezuela	40	12,288	.77	11.50	170.7	41.95
New England Power Co	**175**	**12,529**	**.66**	**6.62**	**186.4**	**46.72**
Colombia	105	12,366	.69	6.11	190.2	47.04
Venezuela	70	12,773	.61	7.39	181.0	46.23
Public Service Co of NH	**144**	**13,188**	**.68**	**5.07**	**186.1**	**49.08**
Canada	34	13,459	1.30	5.90	181.0	48.72
Venezuela	110	13,105	.49	4.82	187.7	49.19
1989	**1,215**	**12,165**	**.69**	**6.79**	**177.6**	**43.20**
Baltimore Gas & Electric Co	**247**	**12,267**	**.58**	**5.62**	**194.6**	**47.75**
Colombia	247	12,267	.58	5.62	194.6	47.75
Jacksonville Electric Auth	**841**	**12,043**	**.73**	**7.21**	**171.8**	**41.38**
Colombia	803	11,978	.74	7.36	173.4	41.54
Venezuela	37	13,461	.48	4.00	141.0	37.96
New England Power Co	**63**	**12,385**	**.62**	**6.59**	**183.2**	**45.38**
Colombia	63	12,385	.62	6.59	183.2	45.38
Public Service Electric&Gas Co	**41**	**13,139**	**.53**	**4.46**	**184.4**	**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[1]	**231**	**13,154**	**.52**	**4.53**	**140.3**	**36.90**
Australia	38	12,415	.66	9.31	154.4	38.34
Venezuela	193	13,302	.49	3.57	137.6	36.62
Jacksonville Electric Auth	**687**	**11,838**	**.70**	**6.72**	**144.4**	**34.19**
Colombia	687	11,838	.70	6.72	144.4	34.19
Public Service Co of NH	**52**	**13,403**	**1.99**	**5.34**	**172.7**	**46.29**
Canada	52	13,403	1.99	5.34	172.7	46.29
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[1]	**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

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

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts.

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

Table 30. Receipts of Appalachian Region Coal, 1991

Company	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Electric Coop Inc	1,233	12,038	1.38	12.15	147.8	35.59
Alabama Power Co	17,338	12,171	1.24	12.10	200.5	48.80
American Municipal Power Ohio	828	11,376	4.80	14.80	96.5	21.96
Appalachian Power Co	9,446	12,479	.76	10.95	170.6	42.58
Atlantic City Electric Co	606	12,944	2.34	9.56	171.6	44.43
Baltimore Gas & Electric Co	3,434	12,929	.92	8.76	156.9	40.57
Cajun Electric Power Coop Inc	152	13,180	.60	6.15	158.6	41.80
Cardinal Operating Co	3,795	11,863	2.19	13.26	153.2	36.35
Carolina Power & Light Co	8,517	12,481	.90	10.25	181.8	45.38
Central Hudson Gas & Elec Corp	874	13,032	.57	7.97	204.7	53.36
Central Illinois Light Co	1,157	13,357	.60	5.69	173.5	46.34
Central Operating Co	1,380	12,311	1.22	11.68	153.5	37.79
Cincinnati Gas & Electric Co	8,666	11,967	2.42	10.92	139.5	33.40
Cleveland Electric Illum Co	4,605	12,731	2.80	9.05	155.4	39.56
Columbia City of	50	14,165	.63	5.18	213.8	60.57
Columbus Southern Power Co	3,284	11,914	3.23	8.42	155.4	37.03
Columbus City of	22	12,438	.86	8.87	167.8	41.74
Consumers Power Co	6,093	12,459	.77	9.99	162.7	40.54
Dairyland Power Coop	57	12,013	.62	11.76	141.9	34.08
Dayton Power & Light Co	7,093	11,779	1.25	13.53	149.8	35.28
Deepwater Operating Co	142	12,757	.81	10.35	177.7	45.35
Delmarva Power & Light Co	2,002	13,053	.96	8.66	178.2	46.51
Detroit Edison Co	6,898	12,955	1.22	7.67	174.2	45.13
Duke Power Co	10,003	12,527	.98	9.71	174.5	43.72
Duquesne Light Co	2,267	12,406	1.68	12.03	155.8	38.66
East Kentucky Power Coop	2,676	12,213	1.22	10.85	116.8	28.53
Florida Power Corp	5,436	12,631	.84	8.69	180.1	45.49
Gainesville Regional Utilities	490	13,214	.63	7.17	176.0	46.52
Georgia Power Co	16,633	12,375	1.25	10.52	175.2	43.35
Hamilton City of	55	12,414	.70	9.34	161.7	40.15
Holland City of	109	13,031	.87	6.29	175.3	45.68
Holyoke Water Power Co	400	13,137	1.47	6.63	175.5	46.11
Illinois Power Co	852	12,569	.70	9.25	151.6	38.11
Indiana Michigan Power Co	616	12,280	.69	9.22	173.2	42.55
Indiana-Kentucky Electric Corp	62	13,489	1.27	5.80	136.0	36.70
Jacksonville Electric Auth	2,359	12,584	1.30	9.71	175.0	44.04
Jamestown City of	111	12,644	1.96	10.68	143.4	36.25
Kentucky Power Co	1,791	12,051	.98	10.90	130.3	31.41
Kentucky Utilities Co	4,064	12,260	1.02	11.01	121.8	29.88
Lakeland City of	849	12,446	1.02	10.20	197.1	49.06
Lansing City of	895	12,915	.85	7.37	182.6	47.17
Madison Gas & Electric Co	10	13,190	.76	6.67	184.8	48.76
Manitowoc City of	137	13,442	.89	6.08	172.5	46.37
Metropolitan Edison Co	1,047	13,210	1.75	6.56	161.2	42.59
Michigan South Central Pwr Agy	127	11,923	3.07	7.11	203.1	48.43
Minnesota Power & Light Co	3	13,286	1.44	7.76	201.7	53.58
Mississippi Power Co	1,307	12,952	.72	7.41	171.3	44.38
Monongahela Power Co	10,762	12,855	2.57	9.40	134.7	34.64
Montaup Electric Co	284	12,910	1.10	7.93	182.3	47.07
New England Power Co	3,510	13,155	1.21	8.34	171.5	45.11
New York State Elec & Gas Corp	3,668	12,627	2.04	10.95	146.9	37.10
Niagara Mohawk Power Corp	3,206	13,164	1.97	7.39	151.0	39.75
Northern Indiana Pub Serv Co	446	12,850	.69	8.40	159.8	41.06
Ohio Edison Co	7,317	12,242	2.09	11.11	128.5	31.46
Ohio Power Co	14,364	11,612	3.32	13.27	167.7	38.95
Ohio Valley Electric Corp	3,231	12,022	3.84	10.44	125.0	30.05
Orange & Rockland Utils Inc	711	13,045	.55	7.14	207.8	54.23
Orlando Utilities Comm	1,036	12,669	.77	8.68	194.0	49.16
Orrville City of	175	11,533	3.63	10.91	104.2	24.04
Painesville City of	92	12,185	2.85	7.95	138.9	33.85
Pennsylvania Electric Co	16,531	12,186	1.85	14.82	142.6	34.74
Pennsylvania Power & Light Co	8,920	12,117	1.75	15.14	180.5	43.73
Pennsylvania Power Co	5,919	12,162	3.72	11.55	159.0	38.68
Philadelphia Electric Co	584	13,213	1.75	7.53	167.7	44.32
Potomac Edison Co	245	13,039	.99	10.43	140.7	36.69
Potomac Electric Power Co	5,887	12,720	1.52	11.10	170.5	43.37
Public Service Co of IN Inc	265	12,418	.75	10.66	134.6	33.44
Public Service Co of NH	1,077	13,297	1.60	6.58	174.5	46.42
Public Service Electric&Gas Co	1,246	13,715	.81	5.89	180.3	49.45

See footnotes at end of table.

Table 30. Receipts of Appalachian Region Coal, 1991 (Continued)

Company	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Richmond City of	48	11,734	2.27	9.44	133.1	31.24
Rochester City of	4	13,305	1.43	7.04	160.5	42.71
Rochester Gas & Electric Corp	656	13,227	2.20	7.37	157.9	41.78
S Mississippi Elec Pwr Assn	795	12,406	.98	9.04	205.4	50.96
Savannah Electric & Power Co	307	12,522	1.04	9.70	160.8	40.28
Seminole Electric Coop Inc	286	12,739	1.39	9.29	158.7	40.44
South Carolina Electric&Gas Co	4,221	12,874	1.16	8.56	161.4	41.56
South Carolina Pub Serv Auth	4,640	12,605	1.24	9.53	162.7	41.00
Tampa Electric Co	2,750	12,863	1.40	6.83	220.3	56.68
Tennessee Valley Authority	11,748	12,574	1.14	9.44	128.8	32.40
Toledo Edison Co	1,228	13,001	1.13	7.34	202.3	52.60
United Illuminating Co	871	13,238	.55	6.07	216.6	57.35
Vineland City of	32	12,758	.69	6.79	216.7	55.30
Virginia Electric & Power Co	10,092	12,581	1.37	11.37	143.9	36.20
West Penn Power Co	5,536	12,786	2.22	10.08	142.1	36.33
Wisconsin Electric Power Co	2,194	13,188	1.61	6.86	157.0	41.41
Wisconsin Power & Light Co	55	13,981	.79	4.83	172.9	48.35
Wisconsin Public Service Corp	130	13,306	1.17	6.62	169.9	45.21
Wyandotte Municipal Serv Comm	114	13,415	.87	5.07	187.5	50.29
Total	**275,158**	**12,434**	**1.65**	**10.71**	**161.2**	**40.08**

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

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

Table 31. Receipts of Interior Region Coal, 1991

Company	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Power Co	118	11,980	2.19	5.59	124.3	29.77
Associated Electric Coop Inc	5,073	10,727	3.48	10.28	140.7	30.19
Big Rivers Electric Corp	5,068	11,156	3.34	12.89	124.4	27.75
Cedar Falls City of	45	11,406	2.83	9.20	135.7	30.96
Central Electric Pwr Coop-MO	84	11,036	3.11	9.65	129.0	28.47
Central Illinois Light Co	1,118	10,655	3.35	8.37	172.9	36.84
Central Illinois Pub Serv Co	4,301	11,070	2.73	9.14	155.8	34.51
Central Iowa Power Coop	112	10,948	2.96	9.51	116.2	25.44
Cincinnati Gas & Electric Co	457	11,480	2.73	10.15	141.1	32.40
Commonwealth Edison Co	2,367	10,401	3.52	9.02	126.6	26.33
Dairyland Power Coop	755	11,258	2.19	8.17	125.1	28.17
Electric Energy Inc	2,862	11,747	2.10	8.95	115.6	27.16
Empire District Electric Co	182	12,209	3.21	10.52	123.3	30.10
Georgia Power Co	6,547	11,388	2.85	9.61	197.8	45.04
Grand Haven City of	179	11,136	2.62	10.34	159.5	35.52
Grand River Dam Authority	128	13,221	4.08	7.86	105.8	27.96
Gulf Power Co	2,980	12,018	2.72	8.39	190.2	45.72
Hoosier Energy R E C Inc	2,872	11,017	3.47	11.58	127.1	28.01
Illinois Power Co	5,412	10,880	2.82	10.35	148.0	32.20
Independence City of	30	12,111	3.61	11.43	157.6	38.17
Indiana Michigan Power Co	1,190	11,340	2.75	8.23	136.5	30.95
Indiana-Kentucky Electric Corp	4,001	11,451	3.28	10.57	108.7	24.90
Indianapolis Power & Light Co	5,768	11,199	2.41	8.19	108.2	24.24
Interstate Power Co	752	11,266	2.14	8.57	155.3	34.99
Iowa Electric Light & Power Co	389	11,162	2.72	10.20	153.3	34.22
Iowa Southern Utilities Co	229	11,597	3.15	8.46	127.3	29.53
Iowa-Illinois Gas&Electric Co	301	10,847	2.40	12.07	130.6	28.34
Kansas City City of	245	11,607	2.58	10.71	220.2	51.11
Kansas City Power & Light Co	1,251	11,299	2.64	9.48	131.5	29.72
Kentucky Utilities Co	1,758	11,448	2.59	8.44	103.1	23.61
Louisville Gas & Electric Co	5,196	11,548	3.07	9.35	105.2	24.30
Madison Gas & Electric Co	81	12,070	2.13	8.64	165.8	40.01
Manitowoc City of	6	10,654	3.45	8.00	122.0	26.00
Mississippi Power Co	1,519	12,515	2.68	8.46	144.2	36.09
Missouri Public Service Comm	920	11,026	2.90	9.72	148.9	32.85
Muscatine City of	530	11,074	3.02	7.59	217.2	48.09
Northern Indiana Pub Serv Co	2,879	11,132	3.28	10.05	138.6	30.87
Oklahoma Gas & Electric Co	283	12,975	1.67	10.20	142.6	37.01
Owensboro City of	826	11,226	2.97	9.61	108.1	24.27
Public Service Co of IN Inc	12,271	10,882	2.32	10.31	145.1	31.58
Public Service Co of Oklahoma	20	11,880	.57	8.72	146.3	34.76
Richmond City of	197	11,391	2.68	8.85	163.5	37.26
Rochester City of	53	12,017	1.80	7.56	160.9	38.67
Seminole Electric Coop Inc	2,996	12,059	2.87	8.47	206.7	49.86
Sikeston City of	735	11,666	2.54	10.77	139.1	32.45
Southern Illinois Power Coop	593	10,322	2.77	17.67	86.0	17.74
Southern Indiana Gas & Elec Co	2,557	11,277	2.89	8.37	148.1	33.41
Springfield City of	668	11,591	2.34	8.62	135.9	31.50
Springfield City of	989	10,388	2.94	9.38	135.6	28.18
St Joseph Light & Power Co	181	11,949	3.66	12.77	137.9	32.95
Tampa Electric Co	3,630	11,817	2.88	8.65	165.3	39.07
Tennessee Valley Authority	20,178	11,545	3.04	11.12	119.9	27.68
Union Electric Co	7,808	11,442	2.30	9.12	161.5	36.95
Western Farmers Elec Coop Inc	50	12,872	.55	7.64	194.8	50.15
Wisconsin Electric Power Co	472	11,881	1.68	7.19	153.1	36.38
Wisconsin Power & Light Co	1,151	11,294	2.08	8.89	183.1	41.35
Wisconsin Public Service Corp	855	11,104	1.80	9.54	211.7	47.01
Total	**124,218**	**11,310**	**2.82**	**9.90**	**141.4**	**31.98**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • 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 32. Receipts of Western Region Coal, 1991

Company	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Ames City of	209	8,770	0.21	4.41	131.4	23.05
Arizona Electric Pwr Coop Inc	969	11,832	.42	16.10	167.1	39.54
Arizona Public Service Co	11,141	9,108	.70	19.85	125.4	22.84
Arkansas Power & Light Co	10,765	8,793	.32	5.23	160.6	28.24
Basin Electric Power Coop	6,596	8,167	.35	4.94	56.1	9.17
Cajun Electric Power Coop Inc	5,059	8,451	.41	5.20	152.8	25.82
Central Illinois Pub Serv Co	254	11,239	.42	9.74	142.7	32.08
Central Louisiana Elec Co Inc	1,803	8,793	.47	5.67	198.6	34.93
Central Power & Light Co	1,734	10,753	.38	5.99	207.6	44.64
Century Power Corp	2,640	9,154	.62	17.36	183.1	33.53
Colorado Springs City of	1,411	10,838	.39	6.59	144.3	31.27
Colorado Ute Electric Assn Inc	5,685	10,361	.38	7.43	96.7	20.04
Commonwealth Edison Co	6,795	9,551	.37	5.75	286.6	54.74
Consumers Power Co	680	8,944	.30	4.99	128.2	22.94
Dairyland Power Coop	1,384	8,488	.34	4.81	134.1	22.76
Deseret Generation & Tran Coop	1,130	10,676	.45	9.95	228.0	48.68
Detroit Edison Co	12,414	9,368	.34	4.26	141.7	26.56
Electric Energy Inc	448	8,699	.36	4.96	88.7	15.43
Empire District Electric Co	889	8,785	.21	4.51	93.7	16.47
Fremont City of	196	8,656	.34	4.80	84.1	14.56
Georgia Power Co	1,207	8,726	.36	4.93	153.4	26.78
Grand Island City of	358	8,362	.32	5.90	70.2	11.74
Grand River Dam Authority	3,358	8,357	.34	4.84	96.5	16.14
Gulf States Utilities Co	2,047	8,779	.46	5.71	202.8	35.60
Hastings City of	283	8,611	.29	4.78	91.6	15.77
Houston Lighting & Power Co	9,170	8,440	.42	4.98	237.5	40.08
Illinois Power Co	388	9,191	.31	5.93	129.2	23.76
Indiana Michigan Power Co	9,307	8,591	.32	4.80	117.1	20.13
Indiana-Kentucky Electric Corp	98	8,779	.24	4.83	134.4	23.59
Interstate Power Co	517	8,284	.32	4.48	247.5	41.01
Iowa Electric Light & Power Co	547	8,503	.36	4.97	100.1	17.03
Iowa Power Inc.	2,393	8,375	.32	4.61	90.4	15.14
Iowa Public Service Co	5,414	8,760	.36	5.85	86.0	15.06
Iowa Southern Utilities Co	2,601	8,359	.37	6.00	103.7	17.34
Iowa-Illinois Gas&Electric Co	2,369	8,324	.32	5.38	102.1	17.00
Kansas City City of	1,106	8,603	.37	5.61	106.2	18.28
Kansas City Power & Light Co	7,085	8,666	.31	4.90	90.0	15.59
Kansas Power & Light Co	8,459	8,778	.33	5.17	130.8	22.97
Los Angeles City of	4,785	11,765	.47	8.29	147.8	34.77
Lower Colorado River Authority	5,384	8,611	.35	5.44	134.2	23.11
Marquette City of	163	8,746	.45	6.17	185.4	32.42
Minnesota Power & Light Co	3,617	8,828	.59	8.44	148.5	26.22
Mississippi Power Co	105	9,344	.30	4.10	145.2	27.14
Missouri Public Service Comm	37	10,006	.38	5.03	128.3	25.68
Montana Power Co	10,173	8,567	.65	8.81	66.4	11.38
Muscatine City of	11	8,489	.60	6.13	105.1	17.84
Nebraska Public Power District	4,132	8,778	.37	5.03	83.2	14.60
Nevada Power Co	1,676	11,913	.57	9.79	181.3	43.19
Niagara Mohawk Power Corp	9	8,361	.36	5.51	190.8	31.91
Northern Indiana Pub Serv Co	2,990	10,467	.48	6.32	164.9	34.53
Northern States Power Co	12,263	8,758	.43	6.70	118.7	20.80
Ohio Edison Co	12	8,570	.44	5.57	132.8	22.77
Ohio Valley Electric Corp	33	8,511	.30	4.70	144.9	24.66
Oklahoma Gas & Electric Co	7,466	8,775	.36	5.01	123.2	21.62
Omaha Public Power District	3,940	8,299	.35	4.85	63.6	10.55
Otter Tail Power Co	157	9,252	.27	3.87	131.4	24.31
PacifiCorp	28,182	9,451	.56	10.69	99.6	18.82
Plains Elec Gen&Trans Coop Inc	874	8,996	.66	18.66	131.2	23.62
Platte River Power Authority	1,001	8,812	.31	5.42	75.7	13.33
Portland General Electric Co	1,719	8,429	.32	4.60	108.4	18.28
Public Service Co of Colorado	7,403	9,489	.37	6.45	115.1	21.84
Public Service Co of NM	4,336	9,604	.84	23.10	185.0	35.53
Public Service Co of Oklahoma	3,546	8,777	.46	5.71	160.2	28.12
Rochester City of	13	9,413	1.28	7.09	141.2	26.58
Salt River Proj Ag I & P Dist	9,876	10,743	.51	10.09	121.9	26.19
San Antonio City of	3,931	8,398	.34	5.82	126.6	21.27
Sierra Pacific Power Co	1,346	10,766	.41	8.29	196.1	42.22
Sikeston City of	10	10,398	.38	8.30	139.4	28.99
Southern California Edison Co	5,062	10,953	.49	10.21	111.5	24.43

See footnotes at end of table.

Table 32. Receipts of Western Region Coal, 1991—Continued

Company	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Southern Illinois Power Coop	2	8,639	0.38	7.35	136.7	23.62
Southwestern Electric Power Co	6,570	8,366	.33	4.60	190.7	31.91
Southwestern Public Service Co	7,776	8,760	.34	5.00	172.4	30.21
St Joseph Light & Power Co	14	12,002	.62	7.97	158.8	38.12
Sunflower Electric Power Corp	1,297	8,470	.35	4.99	103.3	17.50
Tacoma Public Utilities	*	12,846	.70	14.50	170.0	43.68
Tennessee Valley Authority	506	8,543	.44	6.87	124.0	21.18
Texas Utilities Electric Co	41	8,300	.35	6.00	157.9	26.21
Tucson Electric Power Co	73	10,293	.45	12.25	277.3	57.08
Union Electric Co	3,481	8,888	.48	6.11	106.5	18.93
West Texas Utilities Co	2,837	8,301	.33	4.81	160.7	26.68
Western Farmers Elec Coop Inc	1,017	8,424	.43	5.20	205.3	34.59
Wisconsin Electric Power Co	5,821	8,556	.38	5.29	110.9	18.97
Wisconsin Power & Light Co	5,762	8,690	.43	6.12	126.8	22.03
Wisconsin Public Service Corp	1,410	8,942	.36	5.25	138.4	24.76
Total	**289,771**	**9,103**	**.43**	**7.42**	**132.4**	**24.11**

* = Number less than 0.5.

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

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

Table 33. Origin and Destination of Coal Received by Bureau of Mines District and State, 1991

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	**37,630**	**44.5**	**20.0**	**12,374**	**1.80**	**13.8**	**156.4**	**38.70**
Maryland	**3,522**	**30.1**	**18.3**	**12,644**	**1.58**	**12.9**	**141.1**	**35.68**
Delaware	15	—	100.0	13,150	1.59	10.5	141.0	37.08
Maryland	1,388	52.4	16.4	12,909	1.51	11.4	173.1	44.69
New York	18	100.0	100.0	10,780	1.53	21.0	151.3	32.62
West Virginia	2,100	14.9	18.3	12,482	1.63	13.8	119.1	29.74
Pennsylvania	**29,846**	**49.3**	**21.5**	**12,314**	**1.84**	**14.0**	**158.1**	**38.95**
Delaware	359	13.9	61.8	12,978	1.44	9.4	167.5	43.47
Maryland	2,055	100.0	1.4	12,479	1.81	12.9	178.8	44.63
Michigan	326	100.0	—	12,708	2.84	9.4	132.1	33.58
New York	2,411	74.1	73.4	12,318	1.74	12.4	151.3	37.29
Ohio	118	.4	99.6	12,718	2.09	10.9	137.0	34.85
Pennsylvania	24,522	42.6	17.3	12,284	1.85	14.4	157.5	38.69
West Virginia	55	100.0	100.0	11,556	1.69	16.7	113.3	26.18
West Virginia	**4,263**	**22.7**	**10.1**	**12,570**	**1.63**	**12.6**	**157.1**	**39.50**
Maryland	549	—	21.1	13,043	1.50	10.7	161.2	42.06
Massachusetts	1,162	—	—	13,150	1.48	9.6	170.0	44.71
West Virginia	2,551	37.9	12.4	12,203	1.73	14.4	149.9	36.58
District 2	**16,121**	**24.6**	**30.3**	**12,882**	**1.84**	**8.7**	**149.4**	**38.50**
Pennsylvania	**16,121**	**24.6**	**30.3**	**12,882**	**1.84**	**8.7**	**149.4**	**38.50**
Delaware	31	—	100.0	13,245	1.41	6.4	165.1	43.73
Florida	3	—	100.0	13,004	1.46	6.9	127.5	33.16
Maryland	139	10.8	25.9	13,340	2.14	7.3	144.1	38.46
Massachusetts	434	—	88.8	13,140	1.46	6.8	174.8	45.94
Michigan	1,563	—	26.2	13,225	1.52	6.5	153.5	40.61
Minnesota	8	—	43.6	13,297	1.44	7.4	178.4	47.45
New Hampshire	740	—	—	13,249	1.51	6.6	176.2	46.68
New Jersey	15	100.0	100.0	13,206	2.47	6.4	160.2	42.31
New York	2,657	16.2	37.8	13,164	1.85	7.3	152.1	40.06
Ohio	2,558	50.9	31.7	12,633	2.04	10.1	138.3	34.94
Pennsylvania	4,996	41.6	33.5	12,554	1.89	10.4	150.5	37.78
West Virginia	1,078	10.9	46.5	12,839	2.09	9.8	116.1	29.82
Wisconsin	1,900	.6	.6	13,180	1.74	6.8	156.3	41.19
District 3	**25,445**	**13.9**	**11.6**	**12,847**	**2.14**	**9.9**	**151.6**	**38.95**
West Virginia	**25,445**	**13.9**	**11.6**	**12,847**	**2.14**	**9.9**	**151.6**	**38.95**
Delaware	743	21.5	5.8	13,173	.96	8.4	178.6	47.05
Florida	450	92.5	—	13,261	2.40	7.5	206.5	54.77
Kentucky	2	100.0	100.0	11,824	1.53	13.1	116.0	27.43
Maryland	2,377	26.1	22.7	12,917	1.33	9.1	154.4	39.89
Massachusetts	720	9.2	1.3	13,077	1.17	8.1	170.2	44.50
Michigan	25	56.0	100.0	12,700	2.97	10.0	130.9	33.26
New Hampshire	221	—	23.2	13,407	2.40	6.8	165.8	44.47
New Jersey	1,071	49.6	4.1	12,942	1.65	9.2	177.8	46.01
New York	2,509	.7	4.6	13,215	2.51	7.9	145.0	38.31
Ohio	1,065	22.0	55.4	13,016	2.22	8.9	131.7	34.28
Pennsylvania	5,659	8.0	5.8	12,831	2.21	9.9	145.2	37.26
Virginia	50	—	4.0	13,220	2.34	7.6	171.6	45.37
West Virginia	10,514	9.8	11.0	12,653	2.38	11.1	149.3	37.77
Wisconsin	40	—	100.0	13,422	2.49	7.4	166.6	44.72
District 4	**29,099**	**58.6**	**22.6**	**11,785**	**3.49**	**11.2**	**144.7**	**34.12**
Ohio	**29,099**	**58.6**	**22.6**	**11,785**	**3.49**	**11.2**	**144.7**	**34.12**
Alabama	158	100.0	—	11,624	2.00	12.6	117.9	27.40
Florida	240	—	100.0	12,530	3.74	9.2	163.8	41.04
Indiana	38	100.0	100.0	11,670	2.65	9.4	135.0	31.51
Kentucky	179	95.5	41.1	11,532	3.00	11.4	148.6	34.27
Maryland	7	100.0	100.0	12,080	1.90	9.5	166.8	40.30
Michigan	135	94.1	5.9	11,953	3.13	7.2	198.4	47.43
Ohio	26,663	60.8	22.7	11,746	3.47	11.3	145.4	34.17
Pennsylvania	892	35.4	.1	12,159	3.97	11.6	160.6	39.05
West Virginia	787	—	20.5	12,517	4.14	10.0	95.0	23.77
District 6	**9,765**	**3.6**	**5.3**	**12,197**	**3.91**	**11.3**	**148.3**	**36.19**

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 33. Origin and Destination of Coal Received by Bureau of Mines District and State, 1991 (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								
West Virginia	**9,765**	**3.6**	**5.3**	**12,197**	**3.91**	**11.3**	**148.3**	**36.19**
Ohio	3,843	2.0	2.1	12,234	3.57	10.3	141.1	34.53
Pennsylvania	3,980	6.4	—	12,154	3.99	11.7	162.6	39.53
West Virginia	1,942	.9	22.7	12,215	4.41	12.4	133.5	32.61
District 7	**964**	**66.4**	**36.3**	**12,603**	**1.12**	**10.5**	**163.9**	**41.31**
Virginia	**402**	**21.2**	**12.2**	**12,650**	**.90**	**10.8**	**196.6**	**49.75**
Massachusetts	83	100.0	—	12,987	1.23	8.0	176.3	45.80
Virginia	270	.7	—	12,291	.82	12.7	208.2	51.18
Wisconsin	49	—	100.0	14,059	.79	4.8	172.6	48.52
West Virginia	**562**	**98.8**	**53.5**	**12,569**	**1.28**	**10.3**	**140.3**	**35.26**
Alabama	468	100.0	52.8	12,497	1.35	10.6	136.0	33.98
Massachusetts	80	99.8	50.1	12,921	.96	8.4	165.5	42.76
Pennsylvania	11	66.7	100.0	12,922	1.00	9.1	134.8	34.84
South Carolina	3	—	100.0	13,026	.62	7.1	137.2	35.75
District 8	**137,189**	**45.1**	**21.3**	**12,536**	**1.00**	**9.8**	**165.4**	**41.47**
Kentucky	**74,772**	**46.8**	**22.3**	**12,508**	**1.06**	**9.4**	**165.1**	**41.29**
Alabama	1,404	26.0	44.4	12,536	.93	8.7	137.9	34.59
Connecticut	871	—	9.1	13,238	.55	6.1	216.6	57.35
Delaware	52	—	—	12,821	.84	8.5	174.3	44.69
Florida	10,084	39.0	12.7	12,730	.99	8.3	185.0	47.11
Georgia	11,332	59.9	24.1	12,221	1.33	10.7	164.3	40.17
Illinois	1,278	16.1	17.7	13,200	.61	6.1	172.5	45.55
Indiana	910	10.1	32.3	12,430	.75	9.0	163.9	40.75
Kentucky	6,916	89.1	27.0	12,139	1.05	10.8	127.3	30.92
Maryland	279	95.0	12.5	13,031	.65	7.4	156.5	40.78
Massachusetts	1	—	—	12,970	.75	8.5	174.6	45.29
Michigan	6,058	43.0	12.3	12,821	.94	7.6	177.9	45.61
Mississippi	2,102	2.8	4.2	12,745	.82	8.0	183.9	46.87
Missouri	50	—	100.0	14,165	.63	5.2	213.8	60.57
New Jersey	25	—	100.0	13,095	.80	7.5	170.0	44.51
New York	716	—	3.5	13,158	.54	7.2	211.1	55.55
North Carolina	8,441	44.9	13.6	12,567	.95	8.7	183.2	46.06
Ohio	7,967	79.6	33.8	11,928	1.10	12.7	158.4	37.78
Pennsylvania	15	—	—	12,697	1.35	9.3	177.2	45.00
South Carolina	8,228	23.5	37.7	12,689	1.17	9.1	162.8	41.30
Tennessee	4,530	16.2	1.8	12,679	1.15	8.8	124.2	31.50
Virginia	2,736	39.8	46.5	12,762	1.10	8.5	152.1	38.83
West Virginia	540	97.6	7.6	12,478	.84	8.5	202.9	50.64
Wisconsin	238	36.8	100.0	13,060	.71	7.4	166.6	43.51
Tennessee	**2,171**	**10.8**	**10.4**	**12,721**	**1.59**	**9.2**	**128.1**	**32.59**
Alabama	35	85.9	100.0	12,047	1.68	11.4	156.7	37.77
Florida	158	100.0	—	12,795	1.18	6.5	218.2	55.84
Georgia	39	—	100.0	13,606	2.09	7.0	152.0	41.37
Illinois	10	—	—	13,024	.77	6.6	148.7	38.74
Kentucky	608	7.3	7.3	12,366	2.22	11.7	114.9	28.42
North Carolina	2	66.7	100.0	12,136	1.23	10.6	146.9	35.66
Tennessee	1,318	—	8.0	12,866	1.34	8.3	121.5	31.27
Virginia	**15,765**	**36.5**	**14.7**	**12,893**	**1.15**	**9.7**	**166.9**	**43.04**
Delaware	99	.1	14.8	13,197	1.09	8.4	201.4	53.16
Florida	892	4.6	4.6	12,446	.77	9.2	226.2	56.30
Georgia	3,166	36.9	20.7	12,961	1.35	9.7	177.3	45.96
Indiana	17	100.0	100.0	13,023	.52	10.3	163.3	42.53
Massachusetts	1,063	—	23.0	13,265	1.03	7.0	175.1	46.46
New Jersey	735	—	1.5	14,183	.82	4.5	177.9	50.46
North Carolina	4,184	60.8	1.7	12,628	1.09	10.7	172.0	43.44
Ohio	18	—	100.0	14,034	.88	4.7	142.5	40.00
South Carolina	927	73.0	5.4	13,043	1.40	8.9	159.8	41.70
Tennessee	1,258	—	—	13,021	1.77	8.7	130.1	33.89
Virginia	3,406	38.5	34.9	12,774	.95	11.0	145.5	37.18
West Virginia	**44,481**	**47.1**	**22.4**	**12,448**	**.82**	**10.5**	**167.3**	**41.64**
Alabama	1,327	26.2	22.6	12,052	.97	11.6	140.5	33.88
Delaware	704	41.3	—	12,951	.69	8.7	181.5	47.01
Florida	1,380	61.1	8.4	12,347	.76	10.6	191.7	47.35
Georgia	2,363	20.2	35.5	12,331	.66	10.9	222.8	54.94

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 33. Origin and Destination of Coal Received by Bureau of Mines District and State, 1991 (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								
West Virginia								
Illinois	721	70.3	61.0	12,710	0.69	9.1	150.0	38.12
Indiana	472	33.0	100.0	12,731	.70	9.2	151.1	38.47
Kentucky	3,464	79.8	24.6	12,281	.83	10.8	129.5	31.82
Louisiana	152	—	—	13,180	.60	6.2	158.6	41.80
Maryland	1,873	51.4	24.4	12,759	.70	9.5	154.6	39.44
Massachusetts	651	—	4.3	13,012	1.04	8.3	174.6	45.43
Michigan	6,435	77.6	19.6	12,578	.81	9.9	168.3	42.35
New Hampshire	116	—	100.0	13,390	.69	6.2	180.8	48.42
New Jersey	181	9.0	31.5	13,016	.76	7.4	184.4	48.01
New York	911	—	35.7	12,941	.59	7.8	200.4	51.87
North Carolina	5,539	27.7	19.6	12,320	.82	11.2	174.1	42.90
Ohio	6,954	47.8	29.3	12,174	.94	12.0	155.9	37.96
Pennsylvania	10	66.7	100.0	13,306	.79	7.6	138.2	36.78
South Carolina	58	6.0	18.1	12,655	1.00	11.2	181.3	45.89
Virginia	2,138	27.9	37.5	12,815	.95	9.1	155.7	39.91
West Virginia	8,982	45.8	8.1	12,454	.82	10.6	173.0	43.09
Wisconsin	50	62.4	100.0	13,204	.65	6.8	177.5	46.88
District 9	**39,135**	**47.7**	**13.2**	**11,593**	**3.15**	**10.6**	**125.1**	**29.01**
Kentucky	**39,135**	**47.7**	**13.2**	**11,593**	**3.15**	**10.6**	**125.1**	**29.01**
Alabama	1,745	10.4	6.6	11,760	3.28	10.8	118.8	27.95
Florida	4,805	12.9	40.2	12,253	2.86	8.6	166.9	40.90
Georgia	1,356	99.0	1.0	11,741	2.98	10.3	167.3	39.29
Illinois	156	85.9	100.0	11,273	1.60	8.2	115.6	26.07
Indiana	3,827	62.2	7.5	11,575	3.25	10.5	110.7	25.63
Iowa	3	100.0	100.0	12,879	3.21	8.3	145.8	37.55
Kentucky	16,515	51.6	13.5	11,250	3.56	13.0	112.0	25.19
Michigan	61	100.0	100.0	11,531	3.12	11.4	160.5	37.00
Mississippi	180	32.6	100.0	11,988	2.60	8.2	130.9	31.40
Missouri	765	66.7	—	11,451	3.21	9.4	116.3	26.64
Ohio	286	88.3	—	11,493	2.76	9.8	137.8	31.66
Tennessee	9,267	47.9	.3	11,831	2.61	8.5	125.7	29.73
Wisconsin	169	100.0	100.0	11,452	1.60	7.8	138.3	31.67
District 10	**54,831**	**30.9**	**12.5**	**11,206**	**2.67**	**9.6**	**158.6**	**35.56**
Illinois	**54,831**	**30.9**	**12.5**	**11,206**	**2.67**	**9.6**	**158.6**	**35.56**
Alabama	1,030	—	7.4	11,308	1.85	9.1	126.7	28.66
Florida	4,637	22.0	7.0	11,678	2.80	8.4	209.5	48.93
Georgia	5,055	—	—	11,297	2.83	9.5	207.9	46.96
Illinois	15,870	35.6	8.7	10,935	2.96	9.8	141.3	30.91
Indiana	8,452	25.1	11.2	10,822	2.62	10.8	160.7	34.78
Iowa	1,336	62.3	6.9	11,269	2.63	8.4	177.6	40.02
Kansas	1,485	44.4	83.5	11,345	2.62	9.7	146.6	33.26
Kentucky	15	100.0	100.0	11,694	2.79	7.2	99.6	23.29
Minnesota	53	—	—	12,017	1.80	7.6	160.9	38.67
Mississippi	1,340	65.9	1.7	12,586	2.69	8.5	145.9	36.72
Missouri	12,438	45.1	16.3	11,288	2.48	9.5	149.9	33.83
Tennessee	2,357	—	21.6	11,673	2.02	8.7	124.9	29.17
Wisconsin	761	20.5	27.5	11,880	1.62	7.0	151.2	35.91
District 11	**27,318**	**96.1**	**23.9**	**11,135**	**2.53**	**9.2**	**128.2**	**28.54**
Indiana	**27,318**	**96.1**	**23.9**	**11,135**	**2.53**	**9.2**	**128.2**	**28.54**
Florida	164	88.1	100.0	11,067	2.91	8.6	110.7	24.51
Georgia	136	100.0	13.5	11,239	2.38	7.9	137.9	30.99
Illinois	1,616	82.7	40.8	10,981	1.51	9.0	134.6	29.57
Indiana	19,455	96.1	22.6	11,124	2.65	9.2	123.3	27.44
Iowa	857	100.0	9.2	11,155	2.51	9.7	133.6	29.80
Kentucky	2,385	99.3	20.3	11,307	2.67	8.7	106.1	24.00
Michigan	118	100.0	29.3	10,933	2.36	9.8	159.0	34.76
Minnesota	75	100.0	100.0	11,113	1.68	9.7	154.2	34.28
Missouri	122	100.0	46.0	11,042	3.47	9.4	130.0	28.71
Wisconsin	2,391	100.0	23.3	11,158	2.12	9.2	181.8	40.56
District 12	**87**	**100.0**	**—**	**9,842**	**4.23**	**13.5**	**172.8**	**34.02**

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

Table 33. Origin and Destination of Coal Received by Bureau of Mines District and State, 1991 (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 12								
Iowa	**87**	**100.0**	**—**	**9,842**	**4.23**	**13.5**	**172.8**	**34.02**
Iowa	87	100.0	—	9,842	4.23	13.5	172.8	34.02
District 13	**18,221**	**49.3**	**17.8**	**12,151**	**1.26**	**12.3**	**197.6**	**48.02**
Alabama	**17,207**	**50.3**	**16.9**	**12,141**	**1.27**	**12.3**	**201.7**	**48.97**
Alabama	17,167	50.3	16.7	12,142	1.27	12.3	201.8	49.01
Georgia	39	66.7	100.0	12,004	2.33	12.0	140.0	33.61
Tennessee	**1,014**	**32.3**	**33.8**	**12,309**	**1.00**	**12.7**	**129.8**	**31.96**
Alabama	1,014	32.3	33.8	12,309	1.00	12.7	129.8	31.96
District 14	**120**	**100.0**	**—**	**12,660**	**1.92**	**11.0**	**143.8**	**36.42**
Oklahoma	**120**	**100.0**	**—**	**12,660**	**1.92**	**11.0**	**143.8**	**36.42**
Oklahoma	120	100.0	—	12,660	1.92	11.0	143.8	36.42
District 15	**57,301**	**100.0**	**.6**	**6,521**	**1.13**	**17.1**	**122.5**	**15.98**
Kansas	**391**	**100.0**	**66.5**	**12,086**	**3.45**	**11.6**	**132.5**	**32.03**
Kansas	99	100.0	38.2	12,504	3.05	9.7	120.4	30.11
Missouri	292	100.0	76.0	11,945	3.58	12.3	136.8	32.68
Louisiana	**3,150**	**100.0**	**—**	**6,928**	**.62**	**12.5**	**132.8**	**18.41**
Louisiana	3,150	100.0	—	6,928	.62	12.5	132.8	18.41
Missouri	**1,975**	**99.7**	**1.7**	**10,525**	**4.17**	**10.4**	**180.0**	**37.88**
Kansas	10	100.0	100.0	12,092	3.56	11.1	113.6	27.47
Missouri	1,964	99.7	1.2	10,517	4.18	10.4	180.4	37.94
Oklahoma	**360**	**100.0**	**19.5**	**13,091**	**2.22**	**8.7**	**136.4**	**35.71**
Oklahoma	360	100.0	19.5	13,091	2.22	8.7	136.4	35.71
Texas	**51,425**	**100.0**	**—**	**6,254**	**1.02**	**17.7**	**117.8**	**14.73**
Texas	51,425	100.0	—	6,254	1.02	17.7	117.8	14.73
District 17	**15,484**	**53.0**	**29.6**	**10,795**	**.41**	**8.5**	**137.6**	**29.71**
Colorado	**15,200**	**52.2**	**28.3**	**10,772**	**.40**	**8.3**	**137.0**	**29.52**
Arizona	754	—	—	11,909	.37	16.3	168.9	40.22
Colorado	10,180	65.4	26.9	10,615	.40	7.8	108.5	23.04
Illinois	336	24.4	100.0	11,183	.43	9.8	143.6	32.12
Indiana	689	—	100.0	11,311	.44	9.4	169.6	38.36
Missouri	377	—	—	11,750	.47	9.6	159.8	37.55
Texas	1,734	69.5	30.5	10,753	.38	6.0	207.6	44.64
Utah	1,130	—	—	10,676	.45	9.9	228.0	48.68
New Mexico	**285**	**94.5**	**100.0**	**12,057**	**.56**	**14.1**	**164.9**	**39.76**
Arizona	195	100.0	100.0	11,767	.56	15.5	161.0	37.89
Missouri	8	100.0	100.0	12,769	.53	9.6	167.2	42.70
Wisconsin	83	81.0	100.0	12,675	.57	11.4	173.2	43.90
District 18	**34,022**	**100.0**	**.1**	**9,924**	**.62**	**15.8**	**134.0**	**26.59**
Arizona	**12,932**	**100.0**	**—**	**10,992**	**.50**	**9.4**	**105.9**	**23.27**
Arizona	7,869	100.0	—	11,017	.51	8.9	102.2	22.53
Nevada	5,062	100.0	—	10,953	.49	10.2	111.5	24.43
New Mexico	**21,091**	**100.0**	**.1**	**9,269**	**.70**	**19.6**	**154.4**	**28.63**
Arizona	8,202	100.0	.2	9,546	.53	15.5	179.6	34.29
New Mexico	12,888	100.0	—	9,092	.80	22.3	137.6	25.02
District 19	**184,433**	**99.2**	**17.0**	**8,659**	**.37**	**5.5**	**130.4**	**22.59**
Wyoming	**184,433**	**99.2**	**17.0**	**8,659**	**.37**	**5.5**	**130.4**	**22.59**
Arkansas	12,443	100.0	3.5	8,734	.32	5.1	159.7	27.90
Colorado	5,320	100.0	—	8,496	.32	4.7	109.0	18.52
Georgia	1,207	100.0	100.0	8,726	.36	4.9	153.4	26.78
Illinois	3,598	100.0	21.0	9,302	.38	7.5	260.3	48.42
Indiana	11,707	87.4	17.9	8,912	.36	4.9	127.7	22.76
Iowa	14,061	100.0	36.2	8,519	.35	5.5	99.6	16.97
Kansas	12,807	100.0	15.5	8,696	.33	5.1	119.0	20.69
Kentucky	506	100.0	—	8,543	.44	6.9	124.0	21.18
Louisiana	8,909	100.0	—	8,596	.44	5.4	174.0	29.91
Michigan	3,113	100.0	55.9	8,780	.31	5.0	112.5	19.75
Minnesota	7,002	100.0	.3	8,803	.27	4.8	114.7	20.19
Missouri	9,188	99.6	38.8	8,671	.36	5.2	94.5	16.39
Nebraska	8,908	99.9	22.1	8,542	.35	5.0	74.5	12.73
Nevada	469	100.0	—	9,662	.48	8.6	201.0	38.85

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 33. Origin and Destination of Coal Received by Bureau of Mines District and State, 1991 (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								
Wyoming								
New York	9	100.0	100.0	8,361	0.36	5.5	190.8	31.91
Ohio	45	100.0	100.0	8,527	.34	4.9	141.6	24.15
Oklahoma	15,388	100.0	14.4	8,661	.38	5.1	131.5	22.78
Oregon	1,719	100.0	47.8	8,429	.32	4.6	108.4	18.28
Texas	34,031	100.0	8.9	8,513	.36	5.1	181.9	30.97
Wisconsin	11,453	100.0	33.5	8,561	.34	5.0	110.5	18.91
Wyoming	22,549	100.0	11.4	8,756	.51	7.6	83.1	14.55
District 20	**14,677**	**—**	**10.5**	**11,574**	**.46**	**10.3**	**123.4**	**28.55**
Utah	**14,677**	**—**	**10.5**	**11,574**	**.46**	**10.3**	**123.4**	**28.55**
Nevada	2,553	—	—	11,722	.50	9.2	185.5	43.48
Utah	12,124	—	12.7	11,543	.46	10.6	110.1	25.41
District 21	**24,010**	**100.0**	**1.3**	**6,550**	**.84**	**9.2**	**74.7**	**9.78**
North Dakota	**24,010**	**100.0**	**1.3**	**6,550**	**.84**	**9.2**	**74.7**	**9.78**
Minnesota	1	100.0	—	6,928	.81	7.3	177.7	24.62
North Dakota	21,683	100.0	1.4	6,606	.83	9.2	70.9	9.37
South Dakota	2,326	100.0	—	6,025	.87	9.0	113.3	13.65
District 22	**36,489**	**100.0**	**2.8**	**9,002**	**.52**	**6.9**	**139.8**	**25.17**
Montana	**36,489**	**100.0**	**2.8**	**9,002**	**.52**	**6.9**	**139.8**	**25.17**
Illinois	3,228	100.0	—	9,613	.35	4.0	277.6	53.37
Indiana	725	100.0	—	9,625	.35	4.0	279.5	53.81
Michigan	11,032	100.0	.9	9,458	.36	4.3	152.2	28.80
Minnesota	9,048	100.0	2.9	8,760	.62	8.8	134.2	23.50
Mississippi	105	100.0	100.0	9,344	.30	4.1	145.2	27.14
Montana	10,398	100.0	—	8,522	.65	8.8	67.1	11.44
Wisconsin	1,954	100.0	28.3	8,839	.63	8.0	159.1	28.13
District 23	**4,890**	**100.0**	**.0**	**8,003**	**.67**	**14.9**	**154.7**	**24.77**
Washington	**4,890**	**100.0**	**.0**	**8,003**	**.67**	**14.9**	**154.7**	**24.77**
Washington	4,890	100.0	.0	8,003	.67	14.9	154.7	24.77
District 24	**722**	**97.6**	**75.6**	**7,960**	**.64**	**33.4**	**94.1**	**14.98**
Pennsylvania	**722**	**97.6**	**75.6**	**7,960**	**.64**	**33.4**	**94.1**	**14.98**
New York	4	100.0	100.0	8,181	.53	25.2	130.1	21.29
Pennsylvania	718	97.6	75.5	7,959	.65	33.4	93.9	14.94
Imported Coal	**1,967**	**93.3**	**46.5**	**12,111**	**.70**	**7.0**	**156.9**	**38.00**
Canada	**27**	**100.0**	**100.0**	**9,994**	**.46**	**12.8**	**209.2**	**41.82**
Washington	27	100.0	100.0	9,994	.46	12.8	209.2	41.82
Colombia	**1,583**	**97.0**	**51.9**	**11,978**	**.73**	**7.0**	**153.1**	**36.68**
Florida	1,583	97.0	51.9	11,978	.73	7.0	153.1	36.68
Venezuela	**333**	**74.9**	**12.7**	**13,080**	**.59**	**6.5**	**166.2**	**43.47**
Florida	42	100.0	100.0	12,913	.56	8.9	126.9	32.77
Massachusetts	84	—	—	13,390	.77	7.5	167.3	44.81
New Hampshire	207	100.0	—	12,989	.52	5.6	173.6	45.10
Indonesia	**24**	**100.0**	**100.0**	**9,815**	**.07**	**1.2**	**227.3**	**44.62**
Florida	24	100.0	100.0	9,815	.07	1.2	227.3	44.62
Total	**769,923**	**68.3**	**14.9**	**10,378**	**1.30**	**9.8**	**144.7**	**30.02**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • No coal was received at electric utilities from BOM Districts 5 and 16. • For more detailed information on the Bureau of Mines Districts, see Table B1.

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

Table 34. Destination and Origin of Coal Received by Bureau of Mines District and State, 1991

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	**6,433**	**6.8**	**14.8**	**13,176**	**1.17**	**7.5**	**178.9**	**47.13**
Connecticut	**871**	**—**	**9.1**	**13,238**	**.55**	**6.1**	**216.6**	**57.35**
District No 8 Kentucky	871	—	9.1	13,238	.55	6.1	216.6	57.35
Massachusetts	**4,278**	**5.4**	**16.5**	**13,141**	**1.22**	**8.1**	**172.5**	**45.33**
District No 1 West Virginia	1,162	—	—	13,150	1.48	9.6	170.0	44.71
District No 2 Pennsylvania	434	—	88.8	13,140	1.46	6.8	174.8	45.94
District No 3 West Virginia	720	9.2	1.3	13,077	1.17	8.1	170.2	44.50
District No 7 Virginia	83	100.0	—	12,987	1.23	8.0	176.3	45.80
District No 7 West Virginia	80	99.8	50.1	12,921	.96	8.4	165.5	42.76
District No 8 Kentucky	1	—	—	12,970	.75	8.5	174.6	45.29
District No 8 Virginia	1,063	—	23.0	13,265	1.03	7.0	175.1	46.46
District No 8 West Virginia	651	—	4.3	13,012	1.04	8.3	174.6	45.43
Imported Coal Venezuela S.A.	84	—	—	13,390	.77	7.5	167.3	44.81
New Hampshire	**1,284**	**16.1**	**13.0**	**13,247**	**1.43**	**6.4**	**174.4**	**46.20**
District No 2 Pennsylvania	740	—	—	13,249	1.51	6.6	176.2	46.68
District No 3 West Virginia	221	—	23.2	13,407	2.40	6.8	165.8	44.47
District No 8 West Virginia	116	—	100.0	13,390	.69	6.2	180.8	48.42
Imported Coal Venezuela S.A.	207	100.0	—	12,989	.52	5.6	173.6	45.10
Mid Atlantic	**52,066**	**32.8**	**19.6**	**12,455**	**2.04**	**12.3**	**156.5**	**38.99**
New Jersey	**2,027**	**27.8**	**7.5**	**13,402**	**1.27**	**7.3**	**178.2**	**47.76**
District No 2 Pennsylvania	15	100.0	100.0	13,206	2.47	6.4	160.2	42.31
District No 3 West Virginia	1,071	49.6	4.1	12,942	1.65	9.2	177.8	46.01
District No 8 Kentucky	25	—	100.0	13,095	.80	7.5	170.0	44.51
District No 8 Virginia	735	—	1.5	14,183	.82	4.5	177.9	50.46
District No 8 West Virginia	181	9.0	31.5	13,016	.76	7.4	184.4	48.01
New York	**9,235**	**24.5**	**35.4**	**12,923**	**1.77**	**8.9**	**159.4**	**41.19**
District No 1 Maryland	18	100.0	100.0	10,780	1.53	21.0	151.3	32.62
District No 1 Pennsylvania	2,411	74.1	73.4	12,318	1.74	12.4	151.3	37.29
District No 2 Pennsylvania	2,657	16.2	37.8	13,164	1.85	7.3	152.1	40.06
District No 3 West Virginia	2,509	.7	4.6	13,215	2.51	7.9	145.0	38.31
District No 8 Kentucky	716	—	3.5	13,158	.54	7.2	211.1	55.55
District No 8 West Virginia	911	—	35.7	12,941	.59	7.8	200.4	51.87
District No 19 Wyoming	9	100.0	100.0	8,361	.36	5.5	190.8	31.91
Anthracite Coal Pennsylvania	4	100.0	100.0	8,181	.53	25.2	130.1	21.29
Pennsylvania	**40,804**	**34.9**	**16.7**	**12,302**	**2.14**	**13.3**	**154.7**	**38.05**
District No 1 Pennsylvania	24,522	42.6	17.3	12,284	1.85	14.4	157.5	38.69
District No 2 Pennsylvania	4,996	41.6	33.5	12,554	1.89	10.4	150.5	37.78
District No 3 West Virginia	5,659	8.0	5.8	12,831	2.21	9.9	145.2	37.26
District No 4 Ohio	892	35.4	.1	12,159	3.97	11.6	160.6	39.05
District No 6 West Virginia	3,980	6.4	—	12,154	3.99	11.7	162.6	39.53
District No 7 West Virginia	11	66.7	100.0	12,922	1.00	9.1	134.8	34.84
District No 8 Kentucky	15	—	—	12,697	1.35	9.3	177.2	45.00
District No 8 West Virginia	10	66.7	100.0	13,306	.79	7.6	138.2	36.78
Anthracite Coal Pennsylvania	718	97.6	75.5	7,959	.65	33.4	93.9	14.94
East North Central	**170,575**	**67.8**	**21.0**	**10,971**	**1.82**	**8.8**	**148.7**	**32.63**
Illinois	**26,813**	**55.0**	**14.8**	**10,721**	**2.00**	**8.5**	**171.4**	**36.76**
District No 8 Kentucky	1,278	16.1	17.7	13,200	.61	6.1	172.5	45.55
District No 8 Tennessee	10	—	—	13,024	.77	6.6	148.7	38.74
District No 8 West Virginia	721	70.3	61.0	12,710	.69	9.1	150.0	38.12
District No 9 Kentucky	156	85.9	100.0	11,273	1.60	8.2	115.6	26.07
District No 10 Illinois	15,870	35.6	8.7	10,935	2.96	9.8	141.3	30.91
District No 11 Indiana	1,616	82.7	40.8	10,981	1.51	9.0	134.6	29.57
District No 17 Colorado	336	24.4	100.0	11,183	.43	9.8	143.6	32.12
District No 19 Wyoming	3,598	100.0	21.0	9,302	.38	7.5	260.3	48.42
District No 22 Montana	3,228	100.0	—	9,613	.35	4.0	277.6	53.37
Indiana	**46,292**	**74.4**	**20.0**	**10,569**	**1.98**	**8.4**	**134.4**	**28.41**
District No 4 Ohio	38	100.0	100.0	11,670	2.65	9.4	135.0	31.51
District No 8 Kentucky	910	10.1	32.3	12,430	.75	9.0	163.9	40.75
District No 8 Virginia	17	100.0	100.0	13,023	.52	10.3	163.3	42.53
District No 8 West Virginia	472	33.0	100.0	12,731	.70	9.2	151.1	38.47
District No 9 Kentucky	3,827	62.2	7.5	11,575	3.25	10.5	110.7	25.63
District No 10 Illinois	8,452	25.1	11.2	10,822	2.62	10.8	160.7	34.78
District No 11 Indiana	19,455	96.1	22.6	11,124	2.65	9.2	123.3	27.44
District No 17 Colorado	689	—	100.0	11,311	.44	9.4	169.6	38.36
District No 19 Wyoming	11,707	87.4	17.9	8,912	.36	4.9	127.7	22.76
District No 22 Montana	725	100.0	—	9,625	.35	4.0	279.5	53.81

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

Table 34. Destination and Origin of Coal Received by Bureau of Mines District and State, 1991 (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								
Michigan	**28,866**	**77.5**	**15.2**	**11,052**	**0.70**	**6.6**	**159.2**	**35.20**
District No 1 Pennsylvania	326	100.0	—	12,708	2.84	9.4	132.1	33.58
District No 2 Pennsylvania	1,563	—	26.2	13,225	1.52	6.5	153.5	40.61
District No 3 West Virginia	25	56.0	100.0	12,700	2.97	10.0	130.9	33.26
District No 4 Ohio	135	94.1	5.9	11,953	3.13	7.2	198.4	47.43
District No 8 Kentucky	6,058	43.0	12.3	12,821	.94	7.6	177.9	45.61
District No 8 West Virginia	6,435	77.6	19.6	12,578	.81	9.9	168.3	42.35
District No 9 Kentucky	61	100.0	100.0	11,531	3.12	11.4	160.5	37.00
District No 11 Indiana	118	100.0	29.3	10,933	2.36	9.8	159.0	34.76
District No 19 Wyoming	3,113	100.0	55.9	8,780	.31	5.0	112.5	19.75
District No 22 Montana	11,032	100.0	.9	9,458	.36	4.3	152.2	28.80
Ohio	**49,517**	**56.1**	**25.1**	**11,945**	**2.63**	**11.4**	**147.9**	**35.33**
District No 1 Pennsylvania	118	.4	99.6	12,718	2.09	10.9	137.0	34.85
District No 2 Pennsylvania	2,558	50.9	31.7	12,633	2.04	10.1	138.3	34.94
District No 3 West Virginia	1,065	22.0	55.4	13,016	2.22	8.9	131.7	34.28
District No 4 Ohio	26,663	60.8	22.7	11,746	3.47	11.3	145.4	34.17
District No 6 West Virginia	3,843	2.0	2.1	12,234	3.57	10.3	141.1	34.53
District No 8 Kentucky	7,967	79.6	33.8	11,928	1.10	12.7	158.4	37.78
District No 8 Virginia	18	—	100.0	14,034	.88	4.7	142.5	40.00
District No 8 West Virginia	6,954	47.8	29.3	12,174	.94	12.0	155.9	37.96
District No 9 Kentucky	286	88.3	—	11,493	2.76	9.8	137.8	31.66
District No 19 Wyoming	45	100.0	100.0	8,527	.34	4.9	141.6	24.15
Wisconsin	**19,087**	**85.5**	**30.4**	**9,643**	**.81**	**6.2**	**135.8**	**26.19**
District No 2 Pennsylvania	1,900	.6	.6	13,180	1.74	6.8	156.3	41.19
District No 3 West Virginia	40	—	100.0	13,422	2.49	7.4	166.6	44.72
District No 7 Virginia	49	—	100.0	14,059	.79	4.8	172.6	48.52
District No 8 Kentucky	238	36.8	100.0	13,060	.71	7.4	166.6	43.51
District No 8 West Virginia	50	62.4	100.0	13,204	.65	6.8	177.5	46.88
District No 9 Kentucky	169	100.0	100.0	11,452	1.60	7.8	138.3	31.67
District No 10 Illinois	761	20.5	27.5	11,880	1.62	7.0	151.2	35.91
District No 11 Indiana	2,391	100.0	23.3	11,158	2.12	9.2	181.8	40.56
District No 17 New Mexico	83	81.0	100.0	12,675	.57	11.4	173.2	43.90
District No 19 Wyoming	11,453	100.0	33.5	8,561	.34	5.0	110.5	18.91
District No 22 Montana	1,954	100.0	28.3	8,839	.63	8.0	159.1	28.13
West North Central	**105,054**	**91.5**	**16.3**	**8,665**	**.92**	**7.2**	**112.2**	**19.44**
Iowa	**16,344**	**96.9**	**32.2**	**8,890**	**.67**	**6.0**	**110.4**	**19.62**
District No 9 Kentucky	3	100.0	100.0	12,879	3.21	8.3	145.8	37.55
District No 10 Illinois	1,336	62.3	6.9	11,269	2.63	8.4	177.6	40.02
District No 11 Indiana	857	100.0	9.2	11,155	2.51	9.7	133.6	29.80
District No 12 Iowa	87	100.0	—	9,842	4.23	13.5	172.8	34.02
District No 19 Wyoming	14,061	100.0	36.2	8,519	.35	5.5	99.6	16.97
Kansas	**14,401**	**94.3**	**22.7**	**8,998**	**.59**	**5.6**	**122.6**	**22.06**
District No 10 Illinois	1,485	44.4	83.5	11,345	2.62	9.7	146.6	33.26
District No 15 Kansas	99	100.0	38.2	12,504	3.05	9.7	120.4	30.11
District No 15 Missouri	10	100.0	100.0	12,092	3.56	11.1	113.6	27.47
District No 19 Wyoming	12,807	100.0	15.5	8,696	.33	5.1	119.0	20.69
Minnesota	**16,187**	**99.6**	**2.3**	**8,802**	**.48**	**7.1**	**126.0**	**22.18**
District No 2 Pennsylvania	8	—	43.6	13,297	1.44	7.4	178.4	47.45
District No 10 Illinois	53	—	—	12,017	1.80	7.6	160.9	38.67
District No 11 Indiana	75	100.0	100.0	11,113	1.68	9.7	154.2	34.28
District No 19 Wyoming	7,002	100.0	.3	8,803	.27	4.8	114.7	20.19
District No 21 North Dakota	1	100.0	—	6,928	.81	7.3	177.7	24.62
District No 22 Montana	9,048	100.0	2.9	8,760	.62	8.8	134.2	23.50
Missouri	**25,204**	**70.0**	**23.6**	**10,298**	**1.84**	**8.0**	**134.2**	**27.65**
District No 8 Kentucky	50	—	100.0	14,165	.63	5.2	213.8	60.57
District No 9 Kentucky	765	66.7	—	11,451	3.21	9.4	116.3	26.64
District No 10 Illinois	12,438	45.1	16.3	11,288	2.48	9.5	149.9	33.83
District No 11 Indiana	122	100.0	46.0	11,042	3.47	9.4	130.0	28.71
District No 15 Kansas	292	100.0	76.0	11,945	3.58	12.3	136.8	32.68
District No 15 Missouri	1,964	99.7	1.2	10,517	4.18	10.4	180.4	37.94
District No 17 Colorado	377	—	—	11,750	.47	9.6	159.8	37.55
District No 17 New Mexico	8	100.0	100.0	12,769	.53	9.6	167.2	42.70
District No 19 Wyoming	9,188	99.6	38.8	8,671	.36	5.2	94.5	16.39

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

Table 34. Destination and Origin of Coal Received by Bureau of Mines District and State, 1991 (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								
Nebraska	**8,908**	**99.9**	**22.1**	**8,542**	**0.35**	**5.0**	**74.5**	**12.73**
District No 19 Wyoming	8,908	99.9	22.1	8,542	.35	5.0	74.5	12.73
North Dakota	**21,683**	**100.0**	**1.4**	**6,606**	**.83**	**9.2**	**70.9**	**9.37**
District No 21 North Dakota	21,683	100.0	1.4	6,606	.83	9.2	70.9	9.37
South Dakota	**2,326**	**100.0**	**—**	**6,025**	**.87**	**9.0**	**113.3**	**13.65**
District No 21 North Dakota	2,326	100.0	—	6,025	.87	9.0	113.3	13.65
South Atlantic	**124,355**	**36.7**	**20.0**	**12,425**	**1.51**	**9.9**	**169.7**	**42.18**
Delaware	**2,002**	**25.0**	**16.2**	**13,053**	**.96**	**8.7**	**178.2**	**46.51**
District No 1 Maryland	15	—	100.0	13,150	1.59	10.5	141.0	37.08
District No 1 Pennsylvania	359	13.9	61.8	12,978	1.44	9.4	167.5	43.47
District No 2 Pennsylvania	31	—	100.0	13,245	1.41	6.4	165.1	43.73
District No 3 West Virginia	743	21.5	5.8	13,173	.96	8.4	178.6	47.05
District No 8 Kentucky	52	—	—	12,821	.84	8.5	174.3	44.69
District No 8 Virginia	99	.1	14.8	13,197	1.09	8.4	201.4	53.16
District No 8 West Virginia	704	41.3	—	12,951	.69	8.7	181.5	47.01
Florida	**24,461**	**35.9**	**20.4**	**12,351**	**1.73**	**8.4**	**185.7**	**45.87**
District No 2 Pennsylvania	3	—	100.0	13,004	1.46	6.9	127.5	33.16
District No 3 West Virginia	450	92.5	—	13,261	2.40	7.5	206.5	54.77
District No 4 Ohio	240	—	100.0	12,530	3.74	9.2	163.8	41.04
District No 8 Kentucky	10,084	39.0	12.7	12,730	.99	8.3	185.0	47.11
District No 8 Tennessee	158	100.0	—	12,795	1.18	6.5	218.2	55.84
District No 8 Virginia	892	4.6	4.6	12,446	.77	9.2	226.2	56.30
District No 8 West Virginia	1,380	61.1	8.4	12,347	.76	10.6	191.7	47.35
District No 9 Kentucky	4,805	12.9	40.2	12,253	2.86	8.6	166.9	40.90
District No 10 Illinois	4,637	22.0	7.0	11,678	2.80	8.4	209.5	48.93
District No 11 Indiana	164	88.1	100.0	11,067	2.91	8.6	110.7	24.51
Imported Coal Columbia S.A.	1,583	97.0	51.9	11,978	.73	7.0	153.1	36.68
Imported Coal Venezuela S.A.	42	100.0	100.0	12,913	.56	8.9	126.9	32.77
Imported Coal Indonesia	24	100.0	100.0	9,815	.07	1.2	227.3	44.62
Georgia	**24,694**	**45.1**	**22.4**	**11,936**	**1.63**	**10.0**	**179.9**	**42.95**
District No 8 Kentucky	11,332	59.9	24.1	12,221	1.33	10.7	164.3	40.17
District No 8 Tennessee	39	—	100.0	13,606	2.09	7.0	152.0	41.37
District No 8 Virginia	3,166	36.9	20.7	12,961	1.35	9.7	177.3	45.96
District No 8 West Virginia	2,363	20.2	35.5	12,331	.66	10.9	222.8	54.94
District No 9 Kentucky	1,356	99.0	1.0	11,741	2.98	10.3	167.3	39.29
District No 10 Illinois	5,055	—	—	11,297	2.83	9.5	207.9	46.96
District No 11 Indiana	136	100.0	13.5	11,239	2.38	7.9	137.9	30.99
District No 13 Alabama	39	66.7	100.0	12,004	2.33	12.0	140.0	33.61
District No 19 Wyoming	1,207	100.0	100.0	8,726	.36	4.9	153.4	26.78
Maryland	**8,668**	**53.7**	**16.7**	**12,796**	**1.34**	**10.5**	**163.4**	**41.83**
District No 1 Maryland	1,388	52.4	16.4	12,909	1.51	11.4	173.1	44.69
District No 1 Pennsylvania	2,055	100.0	1.4	12,479	1.81	12.9	178.8	44.63
District No 1 West Virginia	549	—	21.1	13,043	1.50	10.7	161.2	42.06
District No 2 Pennsylvania	139	10.8	25.9	13,340	2.14	7.3	144.1	38.46
District No 3 West Virginia	2,377	26.1	22.7	12,917	1.33	9.1	154.4	39.89
District No 4 Ohio	7	100.0	100.0	12,080	1.90	9.5	166.8	40.30
District No 8 Kentucky	279	95.0	12.5	13,031	.65	7.4	156.5	40.78
District No 8 West Virginia	1,873	51.4	24.4	12,759	.70	9.5	154.6	39.44
North Carolina	**18,167**	**43.3**	**12.7**	**12,506**	**.94**	**10.0**	**177.9**	**44.49**
District No 8 Kentucky	8,441	44.9	13.6	12,567	.95	8.7	183.2	46.06
District No 8 Tennessee	2	66.7	100.0	12,136	1.23	10.6	146.9	35.66
District No 8 Virginia	4,184	60.8	1.7	12,628	1.09	10.7	172.0	43.44
District No 8 West Virginia	5,539	27.7	19.6	12,320	.82	11.2	174.1	42.90
South Carolina	**9,215**	**28.3**	**34.3**	**12,724**	**1.19**	**9.1**	**162.6**	**41.37**
District No 7 West Virginia	3	—	100.0	13,026	.62	7.1	137.2	35.75
District No 8 Kentucky	8,228	23.5	37.7	12,689	1.17	9.1	162.8	41.30
District No 8 Virginia	927	73.0	5.4	13,043	1.40	8.9	159.8	41.70
District No 8 West Virginia	58	6.0	18.1	12,655	1.00	11.2	181.3	45.89
Virginia	**8,599**	**34.8**	**38.0**	**12,768**	**1.00**	**9.8**	**152.2**	**38.87**
District No 3 West Virginia	50	—	4.0	13,220	2.34	7.6	171.6	45.37
District No 7 Virginia	270	.7	—	12,291	.82	12.7	208.2	51.18
District No 8 Kentucky	2,736	39.8	46.5	12,762	1.10	8.5	152.1	38.83
District No 8 Virginia	3,406	38.5	34.9	12,774	.95	11.0	145.5	37.18
District No 8 West Virginia	2,138	27.9	37.5	12,815	.95	9.1	155.7	39.91

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

Table 34. Destination and Origin of Coal Received by Bureau of Mines District and State, 1991 (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								
West Virginia	**28,549**	**25.0**	**13.3**	**12,505**	**1.92**	**11.4**	**151.7**	**37.93**
District No 1 Maryland	2,100	14.9	18.3	12,482	1.63	13.8	119.1	29.74
District No 1 Pennsylvania	55	100.0	100.0	11,556	1.69	16.7	113.3	26.18
District No 1 West Virginia	2,551	37.9	12.4	12,203	1.73	14.4	149.9	36.58
District No 2 Pennsylvania	1,078	10.9	46.5	12,839	2.09	9.8	116.1	29.82
District No 3 West Virginia	10,514	9.8	11.0	12,653	2.38	11.1	149.3	37.77
District No 4 Ohio	787	—	20.5	12,517	4.14	10.0	95.0	23.77
District No 6 West Virginia	1,942	.9	22.7	12,215	4.41	12.4	133.5	32.61
District No 8 Kentucky	540	97.6	7.6	12,478	.84	8.5	202.9	50.64
District No 8 West Virginia	8,982	45.8	8.1	12,454	.82	10.6	173.0	43.09
East South Central	**77,397**	**48.3**	**14.6**	**11,924**	**2.01**	**10.8**	**142.3**	**33.93**
Alabama	**24,350**	**43.2**	**18.9**	**12,107**	**1.40**	**11.8**	**181.0**	**43.82**
District No 4 Ohio	158	100.0	—	11,624	2.00	12.6	117.9	27.40
District No 7 West Virginia	468	100.0	52.8	12,497	1.35	10.6	136.0	33.98
District No 8 Kentucky	1,404	26.0	44.4	12,536	.93	8.7	137.9	34.59
District No 8 Tennessee	35	85.9	100.0	12,047	1.68	11.4	156.7	37.77
District No 8 West Virginia	1,327	26.2	22.6	12,052	.97	11.6	140.5	33.88
District No 9 Kentucky	1,745	10.4	6.6	11,760	3.28	10.8	118.8	27.95
District No 10 Illinois	1,030	—	7.4	11,308	1.85	9.1	126.7	28.66
District No 13 Alabama	17,167	50.3	16.7	12,142	1.27	12.3	201.8	49.01
District No 13 Tennessee	1,014	32.3	33.8	12,309	1.00	12.7	129.8	31.96
Kentucky	**30,591**	**67.2**	**18.2**	**11,552**	**2.53**	**11.8**	**117.7**	**27.19**
District No 3 West Virginia	2	100.0	100.0	11,824	1.53	13.1	116.0	27.43
District No 4 Ohio	179	95.5	41.1	11,532	3.00	11.4	148.6	34.27
District No 8 Kentucky	6,916	89.1	27.0	12,139	1.05	10.8	127.3	30.92
District No 8 Tennessee	608	7.3	7.3	12,366	2.22	11.7	114.9	28.42
District No 8 West Virginia	3,464	79.8	24.6	12,281	.83	10.8	129.5	31.82
District No 9 Kentucky	16,515	51.6	13.5	11,250	3.56	13.0	112.0	25.19
District No 10 Illinois	15	100.0	100.0	11,694	2.79	7.2	99.6	23.29
District No 11 Indiana	2,385	99.3	20.3	11,307	2.67	8.7	106.1	24.00
District No 19 Wyoming	506	100.0	—	8,543	.44	6.9	124.0	21.18
Mississippi	**3,727**	**29.6**	**10.6**	**12,555**	**1.56**	**8.1**	**166.9**	**41.92**
District No 8 Kentucky	2,102	2.8	4.2	12,745	.82	8.0	183.9	46.87
District No 9 Kentucky	180	32.6	100.0	11,988	2.60	8.2	130.9	31.40
District No 10 Illinois	1,340	65.9	1.7	12,586	2.69	8.5	145.9	36.72
District No 22 Montana	105	100.0	100.0	9,344	.30	4.1	145.2	27.14
Tennessee	**18,730**	**27.6**	**3.9**	**12,169**	**2.04**	**8.6**	**125.2**	**30.48**
District No 8 Kentucky	4,530	16.2	1.8	12,679	1.15	8.8	124.2	31.50
District No 8 Tennessee	1,318	—	8.0	12,866	1.34	8.3	121.5	31.27
District No 8 Virginia	1,258	—	—	13,021	1.77	8.7	130.1	33.89
District No 9 Kentucky	9,267	47.9	.3	11,831	2.61	8.5	125.7	29.73
District No 10 Illinois	2,357	—	21.6	11,673	2.02	8.7	124.9	29.17
West South Central	**127,713**	**99.5**	**4.9**	**7,662**	**.65**	**10.4**	**149.9**	**22.98**
Arkansas	**12,443**	**100.0**	**3.5**	**8,734**	**.32**	**5.1**	**159.7**	**27.90**
District No 19 Wyoming	12,443	100.0	3.5	8,734	.32	5.1	159.7	27.90
Louisiana	**12,212**	**98.8**	**—**	**8,223**	**.49**	**7.2**	**164.7**	**27.09**
District No 8 West Virginia	152	—	—	13,180	.60	6.2	158.6	41.80
District No 15 Louisiana	3,150	100.0	—	6,928	.62	12.5	132.8	18.41
District No 19 Wyoming	8,909	100.0	—	8,596	.44	5.4	174.0	29.91
Oklahoma	**15,868**	**100.0**	**14.4**	**8,792**	**.44**	**5.3**	**131.8**	**23.17**
District No 14 Oklahoma	120	100.0	—	12,660	1.92	11.0	143.8	36.42
District No 15 Oklahoma	360	100.0	19.5	13,091	2.22	8.7	136.4	35.71
District No 19 Wyoming	15,388	100.0	14.4	8,661	.38	5.1	131.5	22.78
Texas	**87,189**	**99.4**	**4.1**	**7,225**	**.75**	**12.6**	**149.9**	**21.66**
District No 15 Texas	51,425	100.0	—	6,254	1.02	17.7	117.8	14.73
District No 17 Colorado	1,734	69.5	30.5	10,753	.38	6.0	207.6	44.64
District No 19 Wyoming	34,031	100.0	8.9	8,513	.36	5.1	181.9	30.97
Mountain	**99,693**	**79.9**	**7.1**	**9,777**	**.53**	**10.9**	**113.6**	**22.22**
Arizona	**17,020**	**95.6**	**1.3**	**10,356**	**.51**	**12.5**	**140.8**	**29.16**
District No 17 Colorado	754	—	—	11,909	.37	16.3	168.9	40.22
District No 17 New Mexico	195	100.0	100.0	11,767	.56	15.5	161.0	37.89
District No 18 Arizona	7,869	100.0	—	11,017	.51	8.9	102.2	22.53
District No 18 New Mexico	8,202	100.0	.2	9,546	.53	15.5	179.6	34.29

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 34. Destination and Origin of Coal Received by Bureau of Mines District and State, 1991 (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)
Mountain								
Colorado	**15,500**	**77.3**	**17.7**	**9,888**	**0.37**	**6.8**	**108.7**	**21.49**
District No 17 Colorado	10,180	65.4	26.9	10,615	.40	7.8	108.5	23.04
District No 19 Wyoming	5,320	100.0	—	8,496	.32	4.7	109.0	18.52
Montana	**10,398**	**100.0**	**—**	**8,522**	**.65**	**8.8**	**67.1**	**11.44**
District No 22 Montana	10,398	100.0	—	8,522	.65	8.8	67.1	11.44
Nevada	**8,084**	**68.4**	**—**	**11,121**	**.50**	**9.8**	**140.6**	**31.28**
District No 18 Arizona	5,062	100.0	—	10,953	.49	10.2	111.5	24.43
District No 19 Wyoming	469	100.0	—	9,662	.48	8.6	201.0	38.85
District No 20 Utah	2,553	—	—	11,722	.50	9.2	185.5	43.48
New Mexico	**12,888**	**100.0**	**—**	**9,092**	**.80**	**22.3**	**137.6**	**25.02**
District No 18 New Mexico	12,888	100.0	—	9,092	.80	22.3	137.6	25.02
Utah	**13,254**	**—**	**11.6**	**11,469**	**.46**	**10.5**	**119.4**	**27.40**
District No 17 Colorado	1,130	—	—	10,676	.45	9.9	228.0	48.68
District No 20 Utah	12,124	—	12.7	11,543	.46	10.6	110.1	25.41
Wyoming	**22,549**	**100.0**	**11.4**	**8,756**	**.51**	**7.6**	**83.1**	**14.55**
District No 19 Wyoming	22,549	100.0	11.4	8,756	.51	7.6	83.1	14.55
Pacific	**6,636**	**100.0**	**12.8**	**8,122**	**.57**	**12.2**	**142.6**	**23.16**
Oregon	**1,719**	**100.0**	**47.8**	**8,429**	**.32**	**4.6**	**108.4**	**18.28**
District No 19 Wyoming	1,719	100.0	47.8	8,429	.32	4.6	108.4	18.28
Washington	**4,917**	**100.0**	**.5**	**8,014**	**.66**	**14.9**	**155.1**	**24.86**
District No 23 Washington	4,890	100.0	.0	8,003	.67	14.9	154.7	24.77
Imported Coal Canada	27	100.0	100.0	9,994	.46	12.8	209.2	41.82
Total	**769,923**	**68.3**	**14.9**	**10,378**	**1.30**	**9.8**	**144.7**	**30.02**

Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • No coal was received at electric utilities from BOM Districts 5 and 16. • For more detailed information on the Bureau of Mines Districts, see Table B1.

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

Table 35. Origin and Destination of Coal Received by State, 1991

Destination Origin	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Alabama	**24,350**	**12,107**	**1.40**	**11.77**	**181.0**	**43.82**
Alabama	17,167	12,142	1.27	12.26	201.8	49.01
Illinois	1,030	11,308	1.85	9.10	126.7	28.66
Kentucky	3,149	12,106	2.23	9.87	127.7	30.91
Ohio	158	11,624	2.00	12.60	117.9	27.40
Tennessee	1,049	12,300	1.02	12.62	130.7	32.15
West Virginia	1,795	12,168	1.07	11.34	139.3	33.90
Arizona	**17,020**	**10,356**	**.51**	**12.49**	**140.8**	**29.16**
Arizona	7,869	11,017	.51	8.91	102.2	22.53
Colorado	754	11,909	.37	16.30	168.9	40.22
New Mexico	8,397	9,598	.53	15.51	179.1	34.38
Arkansas	**12,443**	**8,734**	**.32**	**5.14**	**159.7**	**27.90**
Wyoming	12,443	8,734	.32	5.14	159.7	27.90
Colorado	**15,500**	**9,888**	**.37**	**6.76**	**108.7**	**21.49**
Colorado	10,180	10,615	.40	7.81	108.5	23.04
Wyoming	5,320	8,496	.32	4.74	109.0	18.52
Connecticut	**871**	**13,238**	**.55**	**6.07**	**216.6**	**57.35**
Kentucky	871	13,238	.55	6.07	216.6	57.35
Delaware	**2,002**	**13,053**	**.96**	**8.66**	**176.2**	**46.51**
Kentucky	52	12,821	.84	8.53	174.3	44.69
Maryland	15	13,150	1.59	10.50	141.0	37.08
Pennsylvania	389	12,999	1.43	9.21	167.3	43.49
Virginia	99	13,197	1.09	8.42	201.4	53.16
West Virginia	1,447	13,065	.83	8.52	180.0	47.03
Florida	**24,461**	**12,351**	**1.73**	**8.42**	**185.7**	**45.87**
Illinois	4,637	11,678	2.80	8.40	209.5	48.93
Indiana	164	11,067	2.91	8.63	110.7	24.51
Kentucky	14,889	12,576	1.59	8.38	179.3	45.11
Ohio	240	12,530	3.74	9.20	163.8	41.04
Pennsylvania	3	13,004	1.46	6.90	127.5	33.16
Tennessee	158	12,795	1.18	6.54	218.2	55.84
Virginia	892	12,446	.77	9.17	226.2	56.30
West Virginia	1,830	12,572	1.16	9.83	195.6	49.17
Imported	1,649	11,970	.72	7.00	153.3	36.70
Georgia	**24,694**	**11,936**	**1.63**	**10.00**	**179.9**	**42.95**
Alabama	39	12,004	2.33	11.99	140.0	33.61
Illinois	5,055	11,297	2.83	9.46	207.9	46.96
Indiana	136	11,239	2.38	7.87	137.9	30.99
Kentucky	12,689	12,170	1.50	10.62	164.6	40.07
Tennessee	39	13,606	2.09	6.96	152.0	41.37
Virginia	3,166	12,961	1.35	9.70	177.3	45.96
West Virginia	2,363	12,331	.66	10.89	222.8	54.94
Wyoming	1,207	8,726	.36	4.93	153.4	26.78
Illinois	**26,813**	**10,721**	**2.00**	**8.54**	**171.4**	**36.76**
Colorado	336	11,183	.43	9.79	143.6	32.12
Illinois	15,870	10,935	2.96	9.80	141.3	30.91
Indiana	1,616	10,981	1.51	9.01	134.6	29.57
Kentucky	1,434	12,990	.72	6.37	167.2	43.43
Montana	3,228	9,613	.35	3.98	277.6	53.37
Tennessee	10	13,024	.77	6.60	148.7	38.74
West Virginia	721	12,710	.69	9.06	150.0	38.12
Wyoming	3,598	9,302	.38	7.53	260.3	48.42
Indiana	**46,292**	**10,569**	**1.98**	**8.45**	**134.4**	**28.41**
Colorado	689	11,311	.44	9.43	169.6	38.36
Illinois	8,452	10,822	2.62	10.81	160.7	34.78
Indiana	19,455	11,124	2.65	9.24	123.3	27.44
Kentucky	4,738	11,739	2.77	10.19	121.5	28.53
Montana	725	9,625	.35	3.95	279.5	53.81
Ohio	38	11,670	2.65	9.36	135.0	31.51
Virginia	17	13,023	.52	10.30	163.3	42.53

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 35. Origin and Destination of Coal Received by State, 1991—Continued

Destination Origin	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Indiana						
West Virginia	472	12,731	0.70	9.18	151.1	38.47
Wyoming	11,707	8,912	.36	4.91	127.7	22.76
Iowa	**16,344**	**8,890**	**.67**	**5.99**	**110.4**	**19.62**
Illinois	1,336	11,269	2.63	8.42	177.6	40.02
Indiana	857	11,155	2.51	9.70	133.6	29.80
Iowa	87	9,842	4.23	13.48	172.8	34.02
Kentucky	3	12,879	3.21	8.31	145.8	37.55
Wyoming	14,061	8,519	.35	5.48	99.6	16.97
Kansas	**14,401**	**8,998**	**.59**	**5.63**	**122.6**	**22.06**
Illinois	1,485	11,345	2.62	9.67	146.6	33.26
Kansas	99	12,504	3.05	9.70	120.4	30.11
Missouri	10	12,092	3.56	11.10	113.6	27.47
Wyoming	12,807	8,696	.33	5.13	119.0	20.69
Kentucky	**30,591**	**11,552**	**2.53**	**11.80**	**117.7**	**27.19**
Illinois	15	11,694	2.79	7.20	99.6	23.29
Indiana	2,385	11,307	2.67	8.71	106.1	24.00
Kentucky	23,431	11,513	2.82	12.37	116.8	26.88
Ohio	179	11,532	3.00	11.38	148.6	34.27
Tennessee	608	12,366	2.22	11.74	114.9	28.42
West Virginia	3,465	12,281	.83	10.84	129.5	31.82
Wyoming	506	8,543	.44	6.87	124.0	21.18
Louisiana	**12,212**	**8,223**	**.49**	**7.24**	**164.7**	**27.09**
Louisiana	3,150	6,928	.62	12.46	132.8	18.41
West Virginia	152	13,180	.60	6.15	158.6	41.80
Wyoming	8,909	8,596	.44	5.41	174.0	29.91
Maryland	**8,668**	**12,796**	**1.34**	**10.46**	**163.4**	**41.83**
Kentucky	279	13,031	.65	7.36	156.5	40.78
Maryland	1,388	12,909	1.51	11.41	173.1	44.69
Ohio	7	12,080	1.90	9.50	166.8	40.30
Pennsylvania	2,194	12,534	1.83	12.53	176.5	44.23
West Virginia	4,800	12,870	1.10	9.42	155.3	39.96
Massachusetts	**4,278**	**13,141**	**1.22**	**8.14**	**172.5**	**45.33**
Kentucky	1	12,970	.75	8.49	174.6	45.29
Pennsylvania	434	13,140	1.46	6.82	174.8	45.94
Virginia	1,146	13,245	1.04	7.09	175.2	46.41
West Virginia	2,613	13,089	1.27	8.84	171.0	44.77
Imported	84	13,390	.77	7.55	167.3	44.81
Michigan	**28,866**	**11,052**	**.70**	**6.58**	**159.2**	**35.20**
Indiana	118	10,933	2.36	9.81	159.0	34.76
Kentucky	6,119	12,808	.96	7.68	177.7	45.53
Montana	11,032	9,458	.36	4.32	152.2	28.80
Ohio	135	11,953	3.13	7.18	198.4	47.43
Pennsylvania	1,889	13,136	1.75	7.00	150.0	39.40
West Virginia	6,460	12,578	.82	9.94	168.2	42.31
Wyoming	3,113	8,780	.31	5.03	112.5	19.75
Minnesota	**16,187**	**8,802**	**.48**	**7.08**	**126.0**	**22.18**
Illinois	53	12,017	1.80	7.56	160.9	38.67
Indiana	75	11,113	1.68	9.69	154.2	34.28
Montana	9,048	8,760	.62	8.84	134.2	23.50
North Dakota	1	6,928	.81	7.31	177.7	24.62
Pennsylvania	8	13,297	1.44	7.36	178.4	47.45
Wyoming	7,002	8,803	.27	4.77	114.7	20.19
Mississippi	**3,727**	**12,555**	**1.56**	**8.09**	**166.9**	**41.92**
Illinois	1,340	12,586	2.69	8.49	145.9	36.72
Kentucky	2,282	12,686	.96	8.04	179.9	45.65
Montana	105	9,344	.30	4.10	145.2	27.14

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

Table 35. Origin and Destination of Coal Received by State, 1991—Continued

Destination Origin	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Missouri	**25,204**	**10,298**	**1.84**	**8.00**	**134.2**	**27.65**
Colorado	377	11,750	.47	9.60	159.8	37.55
Illinois	12,438	11,288	2.48	9.50	149.9	33.83
Indiana	122	11,042	3.47	9.39	130.0	28.71
Kansas	292	11,945	3.58	12.27	136.8	32.68
Kentucky	815	11,617	3.05	9.10	123.6	28.71
Missouri	1,964	10,517	4.18	10.38	180.4	37.94
New Mexico	8	12,769	.53	9.62	167.2	42.70
Wyoming	9,188	8,671	.36	5.16	94.5	16.39
Montana	**10,398**	**8,522**	**.65**	**8.81**	**67.1**	**11.44**
Montana	10,398	8,522	.65	8.81	67.1	11.44
Nebraska	**8,908**	**8,542**	**.35**	**4.97**	**74.5**	**12.73**
Wyoming	8,908	8,542	.35	4.97	74.5	12.73
Nevada	**8,084**	**11,121**	**.50**	**9.80**	**140.6**	**31.28**
Arizona	5,062	10,953	.49	10.21	111.5	24.43
Utah	2,553	11,722	.50	9.22	185.5	43.48
Wyoming	469	9,662	.48	8.60	201.0	38.85
New Hampshire	**1,284**	**13,247**	**1.43**	**6.43**	**174.4**	**46.20**
Pennsylvania	740	13,249	1.51	6.57	176.2	46.68
West Virginia	337	13,402	1.81	6.62	171.0	45.83
Imported	207	12,989	.52	5.65	173.6	45.10
New Jersey	**2,027**	**13,402**	**1.27**	**7.31**	**178.2**	**47.76**
Kentucky	25	13,095	.80	7.46	170.0	44.51
Pennsylvania	15	13,206	2.47	6.40	160.2	42.31
Virginia	735	14,183	.82	4.55	177.9	50.46
West Virginia	1,252	12,953	1.52	8.95	178.7	46.30
New Mexico	**12,888**	**9,092**	**.80**	**22.26**	**137.6**	**25.02**
New Mexico	12,888	9,092	.80	22.26	137.6	25.02
New York	**9,235**	**12,923**	**1.77**	**8.88**	**159.4**	**41.19**
Kentucky	716	13,158	.54	7.25	211.1	55.55
Maryland	18	10,780	1.53	21.04	151.3	32.62
Pennsylvania	5,072	12,758	1.80	9.72	151.8	38.72
West Virginia	3,420	13,142	2.00	7.90	159.5	41.92
Wyoming	9	8,361	.36	5.51	190.8	31.91
North Carolina	**18,167**	**12,506**	**.94**	**9.96**	**177.9**	**44.49**
Kentucky	8,441	12,567	.95	8.75	183.2	46.06
Tennessee	2	12,136	1.23	10.60	146.9	35.66
Virginia	4,184	12,628	1.09	10.73	172.0	43.44
West Virginia	5,539	12,320	.82	11.24	174.1	42.90
North Dakota	**21,683**	**6,606**	**.83**	**9.17**	**70.9**	**9.37**
North Dakota	21,683	6,606	.83	9.17	70.9	9.37
Ohio	**49,517**	**11,945**	**2.63**	**11.39**	**147.9**	**35.33**
Kentucky	8,253	11,913	1.16	12.60	157.7	37.57
Ohio	26,663	11,746	3.47	11.26	145.4	34.17
Pennsylvania	2,676	12,637	2.04	10.12	138.2	34.94
Virginia	18	14,034	.88	4.66	142.5	40.00
West Virginia	11,863	12,269	1.90	11.16	148.8	36.52
Wyoming	45	8,527	.34	4.93	141.6	24.15
Oklahoma	**15,868**	**8,792**	**.44**	**5.27**	**131.8**	**23.17**
Oklahoma	480	12,984	2.15	9.25	138.2	35.89
Wyoming	15,388	8,661	.38	5.15	131.5	22.78
Oregon	**1,719**	**8,429**	**.32**	**4.60**	**108.4**	**18.28**
Wyoming	1,719	8,429	.32	4.60	108.4	18.28
Pennsylvania	**40,604**	**12,302**	**2.14**	**13.30**	**154.7**	**38.05**
Kentucky	15	12,697	1.35	9.30	177.2	45.00

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 35. Origin and Destination of Coal Received by State, 1991—Continued

Destination Origin	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short Ton)
Pennsylvania						
Ohio	892	12,159	3.97	11.56	160.6	39.05
Pennsylvania	30,237	12,226	1.83	14.21	155.3	37.97
West Virginia	9,660	12,553	2.94	10.64	152.1	38.19
South Carolina	**9,215**	**12,724**	**1.19**	**9.09**	**162.6**	**41.37**
Kentucky	8,228	12,689	1.17	9.09	162.8	41.30
Virginia	927	13,043	1.40	8.93	159.8	41.70
West Virginia	60	12,673	.98	11.00	179.2	45.41
South Dakota	**2,326**	**6,025**	**.87**	**9.04**	**113.3**	**13.65**
North Dakota	2,326	6,025	.87	9.04	113.3	13.65
Tennessee	**18,730**	**12,169**	**2.04**	**8.59**	**125.2**	**30.48**
Illinois	2,357	11,673	2.02	8.69	124.9	29.17
Kentucky	13,797	12,110	2.13	8.58	125.2	30.31
Tennessee	1,318	12,866	1.34	8.35	121.5	31.27
Virginia	1,258	13,021	1.77	8.72	130.1	33.89
Texas	**87,189**	**7,225**	**.75**	**12.56**	**149.9**	**21.66**
Colorado	1,734	10,753	.38	5.99	207.6	44.64
Texas	51,425	6,254	1.02	17.72	117.8	14.73
Wyoming	34,031	8,513	.36	5.09	181.9	30.97
Utah	**13,254**	**11,469**	**.46**	**10.52**	**119.4**	**27.40**
Colorado	1,130	10,676	.45	9.95	228.0	48.68
Utah	12,124	11,543	.46	10.58	110.1	25.41
Virginia	**8,599**	**12,768**	**1.00**	**9.79**	**152.2**	**38.87**
Kentucky	2,736	12,762	1.10	8.52	152.1	38.83
Virginia	3,676	12,739	.94	11.17	150.0	38.21
West Virginia	2,187	12,824	.98	9.06	156.1	40.03
Washington	**4,917**	**8,014**	**.66**	**14.88**	**155.1**	**24.86**
Washington	4,890	8,003	.67	14.90	154.7	24.77
Imported	27	9,994	.46	12.76	209.2	41.82
West Virginia	**28,549**	**12,505**	**1.92**	**11.41**	**151.7**	**37.93**
Kentucky	540	12,478	.84	8.47	202.9	50.64
Maryland	2,100	12,482	1.63	13.78	119.1	29.74
Ohio	787	12,517	4.14	10.03	95.0	23.77
Pennsylvania	1,133	12,777	2.07	10.15	116.0	29.64
West Virginia	23,989	12,495	1.89	11.38	156.9	39.22
Wisconsin	**19,087**	**9,643**	**.81**	**6.20**	**135.8**	**26.19**
Illinois	761	11,880	1.62	7.02	151.2	35.91
Indiana	2,391	11,158	2.12	9.22	181.8	40.56
Kentucky	407	12,392	1.08	7.54	155.7	38.59
Montana	1,954	8,839	.63	8.00	159.1	28.13
New Mexico	83	12,675	.57	11.36	173.2	43.90
Pennsylvania	1,900	13,180	1.74	6.79	156.3	41.19
Virginia	49	14,059	.79	4.79	172.6	48.52
West Virginia	90	13,301	1.46	7.06	172.6	45.92
Wyoming	11,453	8,561	.34	5.03	110.5	18.91
Wyoming	**22,549**	**8,756**	**.51**	**7.64**	**83.1**	**14.55**
Wyoming	22,549	8,756	.51	7.64	83.1	14.55
Total	**769,923**	**10,378**	**1.30**	**9.76**	**144.7**	**30.02**

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

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

Table 36. Origin of Coal Received by Company and Plant, 1991

Company / Plant / Origin State / County	Receipts (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)
Alabama Electric Coop Inc — Lowman	**1,233**	**12,038**	**1.38**	**12.15**	**147.8**	**35.59**
Alabama	1,233	12,038	1.38	12.15	147.8	35.59
Fayette	232	12,014	1.87	12.06	154.0	36.99
Jefferson	504	12,336	1.16	11.42	145.9	36.00
Tuscaloosa	496	11,748	1.37	12.93	146.9	34.53
Alabama Power Co — Barry	**594**	**12,361**	**.97**	**11.32**	**210.7**	**52.09**
Alabama	594	12,361	.97	11.32	210.7	52.09
Tuscaloosa	333	12,627	.97	10.32	241.7	61.03
Walker	261	12,023	.97	12.61	169.3	40.72
Alabama Power Co — Gadsden	**50**	**12,500**	**1.69**	**11.91**	**180.0**	**44.99**
Alabama	50	12,500	1.69	11.91	180.0	44.99
Jefferson	50	12,500	1.69	11.91	180.0	44.99
Alabama Power Co — Gaston	**4,003**	**12,200**	**2.07**	**12.11**	**183.3**	**44.72**
Alabama	3,748	12,209	2.11	12.17	185.8	45.37
Fayette	1,700	11,996	2.32	12.35	200.7	48.16
Jefferson	1,355	12,438	1.81	12.00	193.2	48.05
Tuscaloosa	122	12,033	2.25	12.32	128.7	30.98
Walker	570	12,339	2.21	11.99	136.8	33.77
Kentucky	127	12,181	1.71	11.24	145.5	35.44
Harlan	55	12,357	1.78	11.47	152.4	37.67
Perry	57	11,964	1.50	11.24	135.8	32.50
Whitley	15	12,351	2.21	10.37	155.0	38.29
Tennessee	35	12,047	1.68	11.44	156.7	37.77
Claiborne	30	11,882	1.78	12.24	149.0	35.42
Scott	5	13,055	1.06	6.57	199.5	52.08
West Virginia	94	11,910	.79	11.20	142.6	33.97
Lincoln	49	11,646	.86	11.96	144.2	33.59
Mingo	45	12,195	.72	10.37	140.9	34.37
Alabama Power Co — Gorgas 2 and 3	**5,818**	**11,840**	**1.33**	**13.49**	**178.6**	**42.29**
Alabama	5,818	11,840	1.33	13.49	178.6	42.29
Blount	10	12,050	1.96	13.22	114.8	27.67
Jefferson	765	12,163	1.76	12.76	161.9	39.38
Marion	135	11,755	1.83	13.51	124.3	29.22
Tuscaloosa	30	12,339	1.89	12.30	130.9	32.30
Walker	4,784	11,778	1.24	13.67	183.7	43.27
Winston	94	12,289	1.35	10.21	161.6	39.71
Alabama Power Co — Greene	**1,227**	**12,352**	**1.39**	**10.30**	**165.3**	**40.82**
Alabama	553	12,366	1.32	11.27	202.8	50.15
Jefferson	62	12,361	1.45	10.97	160.6	39.70
Tuscaloosa	394	12,473	1.26	10.93	221.7	55.32
Walker	97	11,934	1.49	12.84	150.2	35.84
Kentucky	206	11,984	1.67	6.98	130.6	31.30
Christian	118	11,980	2.19	5.59	124.3	29.77
Pike	89	11,990	.98	8.82	139.0	33.33
West Virginia	468	12,497	1.35	10.61	136.0	33.98
Fayette	468	12,497	1.35	10.61	136.0	33.98
Alabama Power Co — James Miller	**5,762**	**12,422**	**.59**	**11.02**	**238.3**	**59.20**
Alabama	5,171	12,404	.58	11.20	249.7	61.95
Jefferson	2,592	12,282	.52	12.08	218.4	53.64
Tuscaloosa	1,090	12,475	.65	11.15	241.6	60.28
Walker	1,490	12,565	.64	9.71	308.9	77.63
Kentucky	336	12,799	.71	7.99	138.9	35.57
Harlan	122	12,684	.68	8.04	127.7	32.40
Letcher	103	12,787	.73	7.52	145.9	37.30
Perry	111	12,935	.73	8.36	144.7	37.44
West Virginia	255	12,274	.67	11.49	141.1	34.64
Boone	216	12,199	.66	11.95	141.6	34.54
Logan	39	12,690	.72	8.98	138.6	35.19
American Municipal Power — Richard Gorsuch	**828**	**11,376**	**4.80**	**14.80**	**96.5**	**21.96**
Ohio	828	11,376	4.80	14.80	96.5	21.96
Noble	828	11,376	4.80	14.80	96.5	21.96
Ames City of — Ames	**209**	**8,770**	**.21**	**4.41**	**131.4**	**23.05**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Ames City of Ames						
Wyoming	209	8,770	0.21	4.41	131.4	23.05
Campbell	209	8,770	.21	4.41	131.4	23.05
Appalachian Power Co Amos	**4,477**	**12,471**	**.79**	**10.42**	**189.4**	**47.24**
West Virginia	4,477	12,471	.79	10.42	189.4	47.24
Boone	4,144	12,469	.80	10.40	190.1	47.41
Logan	273	12,268	.71	11.45	176.1	43.20
Raleigh	60	13,548	.79	7.66	198.0	53.64
Appalachian Power Co Clinch River	**1,694**	**12,456**	**.81**	**13.36**	**136.0**	**33.88**
Virginia	1,694	12,456	.81	13.36	136.0	33.88
Buchanan	38	12,150	.85	12.55	195.1	47.40
Dickenson	355	12,549	.72	13.17	126.8	31.81
Russell	1,013	12,347	.81	14.40	142.5	35.19
Wise	288	12,765	.91	10.06	117.6	30.03
Appalachian Power Co Glen Lyn	**362**	**12,445**	**.84**	**11.96**	**183.3**	**45.62**
Kentucky	7	11,916	.74	10.40	125.6	29.93
Pike	7	11,916	.74	10.40	125.6	29.93
Virginia	335	12,453	.85	12.11	187.9	46.81
Buchanan	232	12,314	.82	12.78	210.3	51.80
Dickenson	1	12,672	.92	10.90	130.5	33.07
Wise	101	12,773	.92	10.59	138.9	35.47
West Virginia	20	12,497	.72	10.00	125.5	31.37
Mingo	20	12,497	.72	10.00	125.5	31.37
Appalachian Power Co Kanawha River	**264**	**12,660**	**.81**	**11.07**	**167.1**	**42.30**
West Virginia	264	12,660	.81	11.07	167.1	42.30
Fayette	237	12,726	.81	10.90	172.2	43.83
Kanawha	27	12,081	.83	12.57	119.2	28.81
Appalachian Power Co Mountaineer	**2,650**	**12,494**	**.67**	**10.15**	**159.6**	**39.88**
West Virginia	2,650	12,494	.67	10.15	159.6	39.88
Boone	1,748	12,527	.69	10.35	174.7	43.77
Fayette	20	12,049	.62	11.93	117.1	28.23
Kanawha	163	12,389	.67	11.26	125.3	31.06
Logan	416	12,514	.62	9.50	131.2	32.84
Mingo	29	12,570	.54	10.45	149.3	37.54
Nicholas	10	12,259	.68	10.27	115.1	28.23
Wayne	262	12,337	.59	9.00	130.6	32.22
Arizona Electric Pwr Coop Inc Apache	**969**	**11,832**	**.42**	**16.10**	**167.1**	**39.54**
Colorado	754	11,909	.37	16.30	168.9	40.22
Las Animas	754	11,909	.37	16.30	168.9	40.22
New Mexico	215	11,561	.58	15.38	160.7	37.15
Colfax	195	11,767	.56	15.46	161.0	37.89
Mckinley	20	9,565	.73	14.62	156.7	29.98
Arizona Public Service Co Cholla	**3,463**	**9,758**	**.47**	**14.65**	**157.8**	**30.80**
New Mexico	3,463	9,758	.47	14.65	157.8	30.80
Mckinley	3,463	9,758	.47	14.65	157.8	30.80
Arizona Public Service Co Four Corners	**7,678**	**8,814**	**.80**	**22.20**	**109.2**	**19.25**
New Mexico	7,678	8,814	.80	22.20	109.2	19.25
San Juan	7,678	8,814	.80	22.20	109.2	19.25
Arkansas Power & Light Co Independence	**5,249**	**8,802**	**.22**	**4.86**	**154.0**	**27.11**
Wyoming	5,249	8,802	.22	4.86	154.0	27.11
Campbell	5,249	8,802	.22	4.86	154.0	27.11
Arkansas Power & Light Co Whitebluff	**5,517**	**8,784**	**.42**	**5.58**	**166.8**	**29.30**
Wyoming	5,517	8,784	.42	5.58	166.8	29.30
Campbell	5,517	8,784	.42	5.58	166.8	29.30
Associated Electric Coop Inc Hill	**1,942**	**10,506**	**4.19**	**10.37**	**181.2**	**38.08**
Missouri	1,942	10,506	4.19	10.37	181.2	38.08
Randolph	1,942	10,506	4.19	10.37	181.2	38.08
Associated Electric Coop Inc Madrid	**3,131**	**10,863**	**3.04**	**10.23**	**116.4**	**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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Associated Electric Coop Inc Madrid						
Illinois	2,300	10,660	2.97	10.56	116.7	24.87
Randolph	2,300	10,660	2.97	10.56	116.7	24.87
Indiana	66	11,121	3.53	8.88	108.8	24.20
Warrick	66	11,121	3.53	8.88	108.8	24.20
Kentucky	765	11,451	3.21	9.36	116.3	26.64
Muhlenberg	765	11,451	3.21	9.36	116.3	26.64
Atlantic City Electric Co England	**606**	**12,944**	**2.34**	**9.56**	**171.6**	**44.43**
Pennsylvania	15	13,206	2.47	6.40	160.2	42.31
Butler	15	13,206	2.47	6.40	160.2	42.31
West Virginia	591	12,938	2.33	9.64	171.9	44.48
Barbour	442	12,918	2.34	9.75	173.0	44.68
Marion	126	12,915	2.35	9.77	169.6	43.80
Monongalia	23	13,447	2.18	6.96	164.9	44.34
Baltimore Gas & Electric Co Crane	**448**	**13,338**	**2.15**	**7.10**	**147.6**	**39.38**
Ohio	7	12,080	1.90	9.50	166.8	40.30
Harrison	7	12,080	1.90	9.50	166.8	40.30
Pennsylvania	139	13,340	2.14	7.28	144.1	38.46
Greene	124	13,366	2.14	7.18	144.2	38.54
Lawrence	15	13,120	2.15	8.04	143.9	37.77
West Virginia	302	13,367	2.16	6.97	148.8	39.78
Barbour	51	13,160	1.61	8.05	160.7	42.29
Marion	31	13,318	2.34	7.56	156.6	41.71
Monongalia	220	13,422	2.26	6.64	145.0	38.93
Baltimore Gas & Electric Co Brandon Shores	**2,312**	**12,813**	**.70**	**9.20**	**155.3**	**39.80**
Kentucky	279	13,031	.65	7.36	156.5	40.78
Martin	14	12,886	.65	7.70	147.4	37.99
Pike	265	13,038	.65	7.34	157.0	40.93
West Virginia	2,033	12,783	.70	9.45	155.1	39.66
Boone	413	13,317	.76	7.11	154.3	41.09
Logan	1,409	12,614	.68	10.20	154.7	39.04
Mingo	51	12,228	.62	10.42	151.8	37.14
Nicholas	5	12,988	.83	7.50	159.7	41.48
Randolph	54	13,012	.78	9.05	158.4	41.21
Webster	101	13,094	.78	8.31	163.9	42.92
Baltimore Gas & Electric Co Wagner	**674**	**13,056**	**.86**	**8.38**	**168.5**	**44.00**
West Virginia	674	13,056	.86	8.38	168.5	44.00
Nicholas	339	13,036	.93	9.21	176.3	45.95
Randolph	7	12,565	.85	10.60	158.2	39.76
Webster	328	13,087	.79	7.47	160.8	42.08
Basin Electric Power Coop Laramie River	**6,596**	**8,167**	**.35**	**4.94**	**56.1**	**9.17**
Wyoming	6,596	8,167	.35	4.94	56.1	9.17
Campbell	6,596	8,167	.35	4.94	56.1	9.17
Basin Electric Power Coop Antelope Valley	**4,746**	**6,648**	**.62**	**9.06**	**67.3**	**8.94**
North Dakota	4,746	6,648	.62	9.06	67.3	8.94
Mercer	4,746	6,648	.62	9.06	67.3	8.94
Basin Electric Power Coop Leland Olds	**2,927**	**6,591**	**.58**	**8.35**	**92.6**	**12.21**
North Dakota	2,927	6,591	.58	8.35	92.6	12.21
Mercer	2,927	6,591	.58	8.35	92.6	12.21
Big Rivers Electric Corp D B Wilson	**1,262**	**11,222**	**4.13**	**14.71**	**144.4**	**32.40**
Kentucky	1,262	11,222	4.13	14.71	144.4	32.40
Hopkins	1,021	11,156	4.16	14.98	150.7	33.62
Webster	241	11,499	3.97	13.59	118.4	27.24
Big Rivers Electric Corp R D Green	**1,589**	**10,422**	**3.87**	**17.09**	**121.8**	**25.39**
Kentucky	1,589	10,422	3.87	17.09	121.8	25.39
Henderson	1,200	9,993	4.30	17.84	115.3	23.05
Webster	389	11,745	2.53	14.78	138.8	32.61
Big Rivers Electric Corp Coleman	**1,441**	**11,250**	**2.50**	**8.58**	**109.7**	**24.67**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Big Rivers Electric Corp Coleman						
Illinois	15	11,694	2.79	7.20	99.6	23.29
White	15	11,694	2.79	7.20	99.6	23.29
Indiana	508	11,255	2.26	8.73	116.7	26.26
Daviess	496	11,264	2.26	8.69	117.1	26.38
Warrick	12	10,856	2.41	10.40	99.1	21.52
Kentucky	917	11,240	2.63	8.52	105.9	23.81
Daviess	87	11,446	2.69	10.04	106.4	24.35
Henderson	803	11,189	2.63	8.45	105.5	23.62
Union	27	12,088	2.65	5.80	114.8	27.75
Big Rivers Electric Corp Reid-Henderson II	**776**	**12,377**	**2.52**	**9.30**	**124.2**	**30.75**
Indiana	166	11,302	2.35	8.74	103.1	23.31
Spencer	166	11,302	2.35	8.74	103.1	23.31
Kentucky	610	12,669	2.57	9.45	129.3	32.77
Webster	610	12,669	2.57	9.45	129.3	32.77
Cajun Electric Power Coop Inc Big Cajun No.2	**5,212**	**8,590**	**.42**	**5.23**	**153.0**	**26.29**
West Virginia	152	13,180	.60	6.15	158.6	41.80
Mingo	152	13,180	.60	6.15	158.6	41.80
Wyoming	5,059	8,451	.41	5.20	152.8	25.82
Campbell	5,059	8,451	.41	5.20	152.8	25.82
Cardinal Operating Co Cardinal	**3,795**	**11,863**	**2.19**	**13.26**	**153.2**	**36.35**
Ohio	1,216	12,171	3.04	11.56	134.8	32.82
Belmont	131	11,730	2.98	12.96	106.7	25.02
Harrison	499	12,168	2.83	11.93	155.5	37.83
Jefferson	586	12,272	3.23	10.93	123.4	30.29
West Virginia	2,579	11,718	1.79	14.06	162.2	38.01
Brooke	1,224	12,169	2.93	10.73	154.8	37.68
Kanawha	1,355	11,312	.77	17.06	169.4	38.31
Carolina Power & Light Co Lee	**362**	**12,905**	**1.01**	**8.58**	**207.5**	**53.57**
Kentucky	325	12,964	1.02	8.13	212.1	54.98
Martin	310	12,945	1.01	8.15	212.0	54.88
Pike	15	13,369	1.26	7.60	213.8	57.17
West Virginia	37	12,390	.96	12.54	166.2	41.18
Boone	37	12,390	.96	12.54	166.2	41.18
Carolina Power & Light Co Robinson	**154**	**12,428**	**1.05**	**10.34**	**191.2**	**47.52**
Kentucky	106	12,415	1.10	9.50	195.0	48.42
Breathitt	*	12,151	1.30	8.60	164.7	40.03
Harlan	58	12,205	1.19	10.32	171.7	41.92
Martin	48	12,666	1.00	8.51	221.8	56.19
West Virginia	47	12,458	.92	12.25	182.5	45.48
Boone	47	12,458	.92	12.25	182.5	45.48
Carolina Power & Light Co Mayo	**1,360**	**12,090**	**.64**	**11.60**	**194.4**	**46.99**
Kentucky	10	12,248	.67	8.00	171.1	41.91
Martin	10	12,248	.67	8.00	171.1	41.91
West Virginia	1,351	12,089	.64	11.62	194.5	47.03
Mingo	1,351	12,089	.64	11.62	194.5	47.03
Carolina Power & Light Co Cape Fear	**384**	**12,738**	**1.00**	**8.79**	**199.8**	**50.90**
Kentucky	353	12,768	1.00	8.43	202.6	51.74
Floyd	3	12,384	1.03	10.10	155.9	38.62
Harlan	36	12,499	1.02	9.51	164.6	41.14
Martin	315	12,802	1.00	8.30	207.2	53.05
Virginia	5	13,056	1.21	10.10	152.7	39.87
Wise	5	13,056	1.21	10.10	152.7	39.87
West Virginia	25	12,253	.91	13.50	169.2	41.46
Boone	25	12,253	.91	13.50	169.2	41.46
Carolina Power & Light Co Weatherspoon	**84**	**12,584**	**.99**	**10.51**	**199.4**	**50.19**
Kentucky	45	12,686	1.01	8.81	212.7	53.96
Harlan	10	12,392	1.07	9.80	176.3	43.69
Martin	34	12,774	.99	8.52	223.2	57.02

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Carolina Power & Light Co Weatherspoon						
West Virginia	39	12,467	0.95	12.45	184.0	45.87
Boone	39	12,467	.95	12.45	184.0	45.87
Carolina Power & Light Co Roxboro	**4,972**	**12,429**	**.89**	**10.15**	**182.0**	**45.24**
Kentucky	2,307	12,616	.98	8.53	185.2	46.73
Harlan	29	12,722	1.32	9.26	148.7	37.83
Martin	2,278	12,615	.97	8.52	185.7	46.85
West Virginia	2,664	12,266	.82	11.55	179.2	43.96
Boone	1,398	12,358	.91	12.10	166.8	41.22
Mingo	1,266	12,165	.71	10.94	193.1	46.97
Carolina Power & Light Co Sutton	**480**	**12,512**	**.98**	**11.65**	**183.3**	**45.87**
Kentucky	142	12,770	1.00	9.02	192.4	49.13
Harlan	70	12,735	.97	8.98	168.3	42.86
Martin	1	12,511	1.06	9.30	223.0	55.80
Pike	70	12,810	1.03	9.05	215.7	55.26
West Virginia	338	12,403	.96	12.76	179.4	44.51
Boone	338	12,403	.96	12.76	179.4	44.51
Carolina Power & Light Co Asheville	**722**	**13,210**	**1.25**	**9.03**	**132.0**	**34.88**
Kentucky	1	13,120	1.11	7.89	200.6	52.64
Martin	1	13,120	1.11	7.89	200.6	52.64
Virginia	721	13,210	1.25	9.03	131.9	34.84
Wise	721	13,210	1.25	9.03	131.9	34.84
Cedar Falls City of Streeter	**45**	**11,406**	**2.83**	**9.20**	**135.7**	**30.96**
Illinois	41	11,319	2.80	9.27	134.9	30.54
Perry	29	10,935	3.09	9.75	134.5	29.41
Saline	12	12,252	2.10	8.11	135.7	33.26
Indiana	1	10,686	2.97	9.10	134.5	28.75
Gibson	1	10,686	2.97	9.10	134.5	28.75
Kentucky	3	12,879	3.21	8.31	145.8	37.55
Hopkins	3	12,879	3.21	8.31	145.8	37.55
Central Electric Pwr Coop-MO Chamois	**84**	**11,036**	**3.11**	**9.65**	**129.0**	**28.47**
Illinois	77	11,108	2.94	9.25	131.9	29.30
Randolph	77	11,108	2.94	9.25	131.9	29.30
Missouri	7	10,243	4.93	14.12	94.3	19.32
Ralls	7	10,243	4.93	14.12	94.3	19.32
Central Hudson Gas & Elec Corp Danskammer	**874**	**13,032**	**.57**	**7.97**	**204.7**	**53.36**
Kentucky	376	13,223	.54	7.50	205.8	54.41
Pike	376	13,223	.54	7.50	205.8	54.41
West Virginia	498	12,889	.60	8.32	203.9	52.57
Mingo	498	12,889	.60	8.32	203.9	52.57
Central Illinois Light Co Duck Creek	**951**	**10,669**	**3.42**	**8.15**	**175.8**	**37.52**
Illinois	951	10,669	3.42	8.15	175.8	37.52
Fulton	16	10,423	2.54	10.79	134.9	28.12
Macoupin	935	10,673	3.44	8.10	176.5	37.68
Central Illinois Light Co Edwards	**1,324**	**13,006**	**.90**	**6.19**	**171.7**	**44.66**
Illinois	167	10,576	2.93	9.65	155.9	32.98
Fulton	94	10,452	2.53	10.83	136.7	28.58
Macoupin	73	10,736	3.44	8.13	180.0	38.65
Kentucky	987	13,335	.59	5.61	175.6	46.84
Perry	49	13,281	.73	5.44	188.5	50.07
Pike	938	13,337	.58	5.62	174.9	46.67
West Virginia	170	13,487	.69	6.12	161.1	43.46
Boone	98	13,474	.70	6.05	159.0	42.84
Mingo	72	13,505	.67	6.20	164.0	44.30
Central Illinois Pub Serv Co Grand Tower	**220**	**11,574**	**2.92**	**11.28**	**161.1**	**37.29**
Illinois	220	11,574	2.92	11.28	161.1	37.29
Williamson	220	11,574	2.92	11.28	161.1	37.29
Central Illinois Pub Serv Co Hutsonville	**212**	**11,170**	**2.47**	**9.19**	**148.0**	**33.05**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Illinois Pub Serv Co Hutsonville						
Indiana	212	11,170	2.47	9.19	148.0	33.05
Daviess	114	11,193	2.48	9.01	150.2	33.61
Greene	97	11,142	2.46	9.41	145.4	32.40
Central Illinois Pub Serv Co Coffeen	**1,702**	**10,645**	**3.41**	**8.49**	**154.6**	**32.91**
Illinois	1,702	10,645	3.41	8.49	154.6	32.91
Macoupin	1,702	10,645	3.41	8.49	154.6	32.91
Central Illinois Pub Serv Co Newton	**2,007**	**11,325**	**1.85**	**10.24**	**156.9**	**35.53**
Colorado	254	11,239	.42	9.74	142.7	32.08
Routt	254	11,239	.42	9.74	142.7	32.08
Illinois	1,128	11,567	2.89	11.21	163.4	37.80
Williamson	1,128	11,567	2.89	11.21	163.4	37.80
Indiana	624	10,922	.55	8.69	150.3	32.82
Sullivan	624	10,922	.55	8.69	150.3	32.82
Central Illinois Pub Serv Co Meredosia	**414**	**11,374**	**2.80**	**5.62**	**148.9**	**33.87**
Illinois	414	11,374	2.80	5.62	148.9	33.87
McDonough	17	11,371	3.22	6.75	133.5	30.36
Schuyler	397	11,374	2.79	5.57	149.5	34.02
Central Iowa Power Coop Fair	**112**	**10,948**	**2.96**	**9.51**	**116.2**	**25.44**
Illinois	76	10,807	2.88	10.20	121.0	26.15
Randolph	76	10,807	2.88	10.20	121.0	26.15
Indiana	36	11,247	3.13	8.04	106.3	23.92
Spencer	20	11,434	3.48	7.51	106.9	24.45
Warrick	16	11,007	2.68	8.72	105.5	23.23
Central Louisiana Elec Co Inc Dolet Hills	**3,150**	**6,928**	**.62**	**12.46**	**132.8**	**18.41**
Louisiana	3,150	6,928	.62	12.46	132.8	18.41
De Soto	2,741	6,932	.60	12.18	128.5	17.81
Red River	409	6,902	.76	14.34	162.3	22.41
Central Louisiana Elec Co Inc Rodemacher	**1,803**	**8,793**	**.47**	**5.67**	**198.6**	**34.93**
Wyoming	1,803	8,793	.47	5.67	198.6	34.93
Campbell	1,803	8,793	.47	5.67	198.6	34.93
Central Operating Co Sporn	**1,380**	**12,311**	**1.22**	**11.68**	**153.5**	**37.79**
West Virginia	1,380	12,311	1.22	11.68	153.5	37.79
Boone	1	12,815	.84	7.70	157.6	40.39
Clay	176	12,172	1.22	12.68	151.8	36.96
Fayette	470	12,586	1.36	11.04	175.6	44.20
Kanawha	531	12,165	1.11	11.62	133.4	32.44
Mingo	24	12,195	.98	11.10	174.5	42.56
Nicholas	176	12,172	1.22	12.68	151.8	36.96
Central Power & Light Co Coleto Creek	**1,734**	**10,753**	**.38**	**5.99**	**207.6**	**44.64**
Colorado	1,734	10,753	.38	5.99	207.6	44.64
Delta	207	11,455	.44	7.25	168.6	38.62
Gunnison	29	11,960	.49	8.50	151.8	36.31
Moffat	1,497	10,632	.37	5.77	214.6	45.63
Century Power Corp Springerville	**2,640**	**9,154**	**.62**	**17.36**	**183.1**	**33.53**
New Mexico	2,640	9,154	.62	17.36	183.1	33.53
Mckinley	2,640	9,154	.62	17.36	183.1	33.53
Cincinnati Gas & Electric Co East Bend	**1,171**	**11,789**	**1.87**	**12.07**	**159.4**	**37.58**
Kentucky	850	11,917	1.49	12.14	158.8	37.84
Daviess	52	11,312	2.74	12.28	180.4	40.82
Floyd	19	11,185	1.58	13.78	104.8	23.44
Hopkins	40	11,391	2.72	12.52	180.2	41.06
Knott	6	11,482	1.18	12.30	102.5	23.54
Magoffin	518	12,151	1.23	12.36	177.3	43.08
Martin	6	12,065	.75	13.30	178.8	43.14
Muhlenberg	56	11,626	2.70	8.80	107.6	25.03
Ohio	22	11,501	2.36	8.63	112.5	25.89
Perry	124	11,722	1.00	12.85	106.6	24.99
Pike	6	11,445	1.19	13.39	108.7	24.89
Union	2	11,472	2.80	8.10	100.3	23.01

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co East Bend						
Ohio	179	11,532	3.00	11.38	148.6	34.27
Belmont	20	12,661	3.56	9.03	105.1	26.62
Harrison	13	12,691	3.18	8.85	111.5	28.30
Jackson	39	10,926	3.26	11.44	98.0	21.42
Jefferson	2	11,547	2.57	9.80	103.3	23.86
Lawrence	106	11,404	2.79	12.14	181.5	41.39
West Virginia	141	11,343	2.66	12.54	177.1	40.19
Boone	2	11,676	.94	12.50	107.1	25.01
Fayette	10	11,355	2.66	12.72	169.0	38.38
Kanawha	126	11,330	2.71	12.51	180.2	40.83
Lincoln	2	11,571	.82	14.00	116.3	26.91
Nicholas	2	11,824	1.53	13.10	116.0	27.43
Cincinnati Gas & Electric Co Miami Fort	**2,586**	**12,075**	**1.66**	**10.62**	**156.6**	**37.81**
Kentucky	1,013	11,966	1.46	11.14	147.7	35.36
Daviess	47	11,388	2.84	11.84	181.1	41.24
Floyd	256	12,205	.70	11.15	129.9	31.72
Hopkins	62	11,468	2.84	11.91	181.0	41.51
Knott	37	12,326	.71	9.68	118.3	29.17
Magoffin	378	12,148	1.22	12.13	176.5	42.87
Muhlenberg	76	11,627	2.69	8.76	109.3	25.42
Ohio	33	11,628	2.57	8.17	111.7	25.97
Perry	53	11,881	.66	11.68	116.9	27.77
Pike	12	11,283	1.14	13.04	100.0	22.57
Union	58	11,338	2.80	8.13	101.9	23.11
Ohio	606	11,466	2.91	12.04	163.3	37.45
Belmont	70	12,351	3.55	10.20	106.1	26.22
Harrison	6	12,613	3.35	8.92	109.3	27.56
Hocking	7	11,097	3.57	12.60	103.0	22.86
Jackson	34	10,998	3.52	12.49	86.7	19.06
Jefferson	8	11,547	2.57	9.80	102.2	23.60
Lawrence	481	11,358	2.77	12.35	180.3	40.95
Pennsylvania	22	13,064	2.33	6.82	120.5	31.49
Greene	22	13,064	2.33	6.82	120.5	31.49
West Virginia	944	12,560	1.06	9.25	162.6	40.63
Boone	8	12,003	.59	11.24	124.7	29.93
Fayette	4	11,304	2.74	12.38	179.8	40.65
Kanawha	553	12,326	1.09	10.34	176.6	43.54
Logan	25	12,051	.65	10.47	117.7	28.36
Mason	65	11,972	2.70	9.59	98.4	23.56
Mingo	271	13,326	.67	6.64	157.0	41.83
Nicholas	17	11,477	.66	10.63	115.6	26.54
Cincinnati Gas & Electric Co Beckjord	**1,944**	**11,803**	**1.91**	**12.17**	**157.6**	**37.21**
Kentucky	983	12,024	1.01	12.58	162.0	38.94
Daviess	5	11,561	2.83	11.23	182.7	42.24
Floyd	19	11,386	1.18	13.82	109.5	24.94
Hopkins	5	11,559	2.83	11.23	183.5	42.42
Johnson	2	12,155	2.78	8.70	97.0	23.58
Knott	3	11,574	1.07	12.80	100.0	23.15
Magoffin	414	12,145	1.21	12.28	174.0	42.25
Martin	364	12,049	.78	12.98	176.8	42.61
Perry	152	11,841	.88	12.31	106.7	25.26
Pike	20	11,338	1.13	13.30	101.1	22.93
Ohio	724	11,532	2.99	11.70	157.0	36.22
Belmont	62	12,440	3.70	9.71	103.8	25.83
Harrison	54	12,574	3.39	9.01	106.2	26.72
Hocking	11	11,088	3.61	12.51	101.0	22.41
Jackson	59	11,018	3.51	12.27	86.8	19.12
Lawrence	536	11,388	2.80	12.12	178.2	40.59
Pennsylvania	5	11,995	2.46	13.40	144.7	34.72
Greene	5	11,995	2.46	13.40	144.7	34.72
West Virginia	232	11,705	2.36	11.87	141.0	33.00
Boone	11	11,737	1.06	13.15	101.3	23.78
Clay	24	12,470	1.03	10.97	110.5	27.56
Fayette	5	11,771	1.63	13.25	128.7	30.29
Kanawha	121	11,289	2.70	12.78	176.3	39.81
Lincoln	5	11,588	.90	13.20	114.2	26.47
Mason	49	12,217	3.02	9.77	96.9	23.67

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co Beckjord						
West Virginia						
Mingo	1	11,654	0.78	10.20	101.1	23.56
Nicholas	16	12,154	1.39	11.09	113.7	27.63
Cincinnati Gas & Electric Co Zimmer	**3,423**	**11,975**	**3.52**	**9.95**	**109.9**	**26.33**
Ohio	3,423	11,975	3.52	9.95	109.9	26.33
Belmont	881	12,446	4.13	9.69	106.9	26.60
Harrison	1,360	12,097	3.79	10.55	107.5	26.00
Jackson	93	11,047	3.37	11.87	91.5	20.22
Lawrence	1,088	11,520	2.70	9.24	117.4	27.04
Cleveland Electric Illum Co Avon Lake	**1,294**	**12,546**	**2.26**	**9.52**	**157.5**	**39.53**
Kentucky	124	12,666	.66	9.11	160.2	40.58
Pike	124	12,666	.66	9.11	160.2	40.58
Ohio	1,036	12,450	2.66	9.75	158.0	39.33
Belmont	207	12,406	3.34	9.59	218.0	54.08
Columbiana	8	12,015	2.30	9.60	141.9	34.10
Harrison	821	12,465	2.49	9.79	143.1	35.67
West Virginia	134	13,176	.66	8.09	152.1	40.08
Mingo	134	13,176	.66	8.09	152.1	40.08
Cleveland Electric Illum Co Ashtabula	**975**	**12,882**	**3.32**	**8.92**	**149.3**	**38.45**
Ohio	527	12,513	4.11	9.92	169.6	42.44
Belmont	527	12,513	4.11	9.92	169.6	42.44
Pennsylvania	192	12,901	2.21	8.88	139.1	35.90
Venango	192	12,901	2.21	8.88	139.1	35.90
West Virginia	256	13,628	2.54	6.87	118.0	32.16
Monongalia	256	13,628	2.54	6.87	118.0	32.16
Cleveland Electric Illum Co Lake Shore	**206**	**13,176**	**.60**	**6.46**	**162.5**	**42.83**
Kentucky	154	13,144	.58	6.45	163.7	43.04
Martin	35	12,858	.67	6.85	162.9	41.90
Pike	119	13,228	.55	6.33	163.9	43.37
West Virginia	52	13,273	.68	6.50	159.0	42.21
Mingo	52	13,273	.68	6.50	159.0	42.21
Cleveland Electric Illum Co Eastlake	**2,130**	**12,732**	**3.10**	**9.08**	**156.2**	**39.76**
Ohio	1,360	12,511	3.45	9.43	169.3	42.36
Belmont	979	12,570	3.76	9.53	180.5	45.37
Columbiana	205	12,264	2.68	8.56	129.7	31.81
Harrison	176	12,469	2.60	9.86	152.1	37.92
Pennsylvania	471	13,070	2.30	8.65	137.3	35.90
Armstrong	109	12,746	2.09	10.79	139.8	35.63
Greene	281	13,364	2.44	7.22	140.0	37.42
Washington	6	12,382	2.53	11.20	111.7	27.66
Westmoreland	75	12,494	2.05	10.70	125.2	31.27
West Virginia	299	13,207	2.79	8.14	128.9	34.05
Marion	137	13,257	2.82	7.87	138.2	36.64
Monongalia	142	13,244	2.79	7.98	123.2	32.64
Nicholas	20	12,606	2.53	11.15	104.3	26.30
Colorado Springs City of Drake	**607**	**10,671**	**.36**	**5.06**	**151.8**	**32.40**
Colorado	607	10,671	.36	5.06	151.8	32.40
Moffat	607	10,671	.36	5.06	151.8	32.40
Colorado Springs City of Nixon	**804**	**10,964**	**.41**	**7.74**	**138.7**	**30.42**
Colorado	804	10,964	.41	7.74	138.7	30.42
Gunnison	79	12,028	.49	8.49	93.0	22.36
Moffat	504	10,710	.39	6.71	166.0	35.57
Routt	221	11,161	.43	9.84	96.8	21.60
Colorado-Ute Electric Assn Hayden	**1,454**	**10,667**	**.40**	**8.89**	**90.5**	**19.32**
Colorado	1,454	10,667	.40	8.89	90.5	19.32
Routt	1,454	10,667	.40	8.89	90.5	19.32
Colorado-Ute Electric Assn Craig	**4,001**	**10,264**	**.36**	**6.26**	**97.7**	**20.05**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Colorado-Ute Electric Assn Craig						
Colorado	4,001	10,264	0.36	6.26	97.7	20.05
Moffat	3,923	10,247	.36	6.23	98.2	20.12
Routt	78	11,112	.59	7.65	74.4	16.53
Columbia City of Columbia	**50**	**14,165**	**.63**	**5.18**	**213.8**	**60.57**
Kentucky	50	14,165	.63	5.18	213.8	60.57
Pike	50	14,165	.63	5.18	213.8	60.57
Columbus Southern Power Co Picway	**235**	**11,506**	**3.01**	**10.02**	**107.7**	**24.78**
Ohio	235	11,506	3.01	10.02	107.7	24.78
Athens	47	11,385	2.43	11.10	111.9	25.47
Hocking	15	11,489	3.57	10.45	101.6	23.34
Perry	54	11,462	3.36	9.22	101.0	23.15
Vinton	120	11,577	3.01	9.90	109.8	25.42
Columbus Southern Power Co Conesville	**3,049**	**11,946**	**3.25**	**8.30**	**158.9**	**37.97**
Ohio	3,049	11,946	3.25	8.30	158.9	37.97
Coshocton	1,760	11,998	3.21	7.55	181.1	43.45
Guernsey	4	12,102	1.91	9.92	129.2	31.27
Harrison	202	12,307	2.63	9.55	124.4	30.63
Holmes	135	11,466	3.56	10.01	97.6	22.39
Jefferson	7	11,931	2.68	11.09	107.8	25.72
Muskingum	170	12,148	3.69	7.11	111.4	27.08
Perry	13	11,565	2.80	8.84	98.2	22.71
Tuscarawas	758	11,774	3.37	9.61	139.5	32.84
Columbus City of Solid Waste R F	**22**	**12,438**	**.86**	**8.87**	**167.8**	**41.74**
Kentucky	15	12,868	.97	9.00	165.2	42.50
Pike	15	12,868	.97	9.00	165.2	42.50
Ohio	7	11,530	.61	8.59	174.0	40.12
Jackson	7	11,530	.61	8.59	174.0	40.12
Commonwealth Edison Co Waukegan	**1,015**	**9,486**	**.38**	**7.34**	**278.1**	**52.77**
Montana	223	9,587	.34	3.95	280.5	53.79
Big Horn	223	9,587	.34	3.95	280.5	53.79
Wyoming	792	9,458	.39	8.29	277.4	52.48
Sweetwater	792	9,458	.39	8.29	277.4	52.48
Commonwealth Edison Co Crawford	**276**	**9,468**	**.39**	**8.02**	**313.8**	**59.42**
Montana	4	9,661	.40	4.10	301.2	58.20
Big Horn	4	9,661	.40	4.10	301.2	58.20
Wyoming	272	9,465	.39	8.08	314.0	59.44
Sweetwater	272	9,465	.39	8.08	314.0	59.44
Commonwealth Edison Co Fisk	**403**	**9,458**	**.39**	**8.12**	**317.5**	**60.05**
Montana	2	9,583	.33	3.95	310.9	59.60
Big Horn	2	9,583	.33	3.95	310.9	59.60
Wyoming	401	9,458	.39	8.14	317.5	60.05
Sweetwater	401	9,458	.39	8.14	317.5	60.05
Commonwealth Edison Co Joliet	**1,185**	**9,522**	**.38**	**6.82**	**286.4**	**54.55**
Montana	415	9,631	.35	3.94	281.5	54.22
Big Horn	415	9,631	.35	3.94	281.5	54.22
Wyoming	770	9,463	.40	8.37	289.2	54.73
Sweetwater	770	9,463	.40	8.37	289.2	54.73
Commonwealth Edison Co Kincaid	**2,367**	**10,401**	**3.52**	**9.02**	**126.6**	**26.33**
Illinois	2,367	10,401	3.52	9.02	126.6	26.33
Christian	2,367	10,401	3.52	9.02	126.6	26.33
Commonwealth Edison Co Powerton	**1,836**	**9,609**	**.35**	**3.99**	**266.8**	**51.27**
Montana	1,836	9,609	.35	3.99	266.8	51.27
Big Horn	1,836	9,609	.35	3.99	266.8	51.27
Commonwealth Edison Co State Line	**725**	**9,625**	**.35**	**3.95**	**279.5**	**53.81**
Montana	725	9,625	.35	3.95	279.5	53.81
Big Horn	725	9,625	.35	3.95	279.5	53.81
Commonwealth Edison Co Will County	**1,355**	**9,551**	**.37**	**5.82**	**309.2**	**59.07**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Commonwealth Edison Co Will County						
Montana	748	9,620	0.35	3.98	300.9	57.89
Big Horn	748	9,620	.35	3.98	300.9	57.89
Wyoming	607	9,467	.39	8.09	319.7	60.53
Sweetwater	607	9,467	.39	8.09	319.7	60.53
Consumers Power Co Karn	**1,285**	**12,219**	**.82**	**11.30**	**150.8**	**36.86**
Kentucky	181	12,561	.86	9.74	154.6	38.83
Floyd	92	12,318	.91	10.74	149.8	36.89
Harlan	9	12,000	.97	15.70	137.6	33.02
Perry	11	12,991	.90	7.30	173.8	45.16
Pike	69	12,891	.77	8.01	159.7	41.19
West Virginia	1,105	12,164	.81	11.55	150.2	36.54
Boone	1,033	12,149	.83	11.56	150.1	36.48
Logan	72	12,367	.64	11.47	151.4	37.45
Consumers Power Co Campbell	**2,754**	**12,598**	**.74**	**9.22**	**174.6**	**44.00**
Kentucky	1,671	12,818	.75	7.96	177.4	45.48
Breathitt	10	12,649	.86	9.20	148.4	37.54
Floyd	250	12,573	.85	9.57	161.6	40.63
Perry	547	12,691	.82	8.32	180.5	45.80
Pike	864	12,971	.68	7.24	180.3	46.78
West Virginia	1,083	12,260	.71	11.16	170.1	41.71
Boone	841	12,233	.72	10.86	172.2	42.12
Logan	242	12,351	.67	12.19	163.0	40.27
Consumers Power Co Cobb	**807**	**11,422**	**.59**	**6.95**	**154.1**	**35.20**
Kentucky	421	12,887	.73	7.74	163.2	42.07
Floyd	41	13,055	.71	7.90	162.6	42.45
Martin	220	12,939	.66	7.05	151.0	39.08
Perry	69	12,794	.84	7.84	183.2	46.89
Pike	91	12,758	.82	9.25	178.1	45.44
Pennsylvania	12	12,753	1.45	6.60	150.8	38.46
Greene	12	12,753	1.45	6.60	150.8	38.46
West Virginia	73	12,493	.68	10.84	167.0	41.73
Boone	9	12,143	.84	11.48	178.3	43.31
Logan	64	12,545	.65	10.74	165.4	41.49
Wyoming	301	9,054	.33	4.92	131.7	23.84
Campbell	301	9,054	.33	4.92	131.7	23.84
Consumers Power Co Weadock	**1,066**	**11,039**	**.63**	**8.86**	**147.3**	**32.51**
Kentucky	77	12,418	.87	9.46	166.8	41.42
Floyd	12	11,940	.88	11.57	152.2	36.35
Harlan	8	11,919	.92	12.00	135.6	32.32
Perry	9	12,563	.82	8.00	176.6	44.37
Pike	48	12,600	.87	8.74	173.7	43.76
West Virginia	609	12,224	.81	11.15	154.6	37.80
Boone	570	12,190	.82	11.22	154.3	37.63
Logan	39	12,720	.69	10.15	158.6	40.35
Wyoming	380	8,858	.28	5.05	125.4	22.22
Campbell	156	8,863	.25	4.77	125.3	22.26
Converse	223	8,840	.30	5.25	125.5	22.20
Consumers Power Co Whiting	**860**	**12,323**	**.82**	**10.82**	**146.1**	**36.02**
Kentucky	134	12,436	.88	9.48	149.6	37.22
Floyd	96	12,420	.89	9.67	142.2	35.33
Perry	18	12,313	.93	10.33	151.8	37.39
Pike	20	12,623	.81	7.84	182.4	46.05
West Virginia	727	12,303	.81	11.07	145.5	35.80
Boone	553	12,260	.81	11.10	148.2	36.33
Logan	108	12,485	.74	10.80	141.1	35.24
Mingo	27	12,331	.81	10.70	132.2	32.61
Nicholas	39	12,388	.96	11.67	129.3	32.04
Coop Power Assn Coal Creek	**6,807**	**6,291**	**.74**	**10.69**	**72.5**	**9.12**
North Dakota	6,807	6,291	.74	10.69	72.5	9.12
Mclean	6,807	6,291	.74	10.69	72.5	9.12
Dairyland Power Coop Alma-Madgett	**1,511**	**8,946**	**.50**	**5.15**	**135.5**	**24.25**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Dairyland Power Coop Alma-Madgett						
Illinois	101	11,625	1.31	6.31	138.3	32.15
Jefferson	101	11,625	1.31	6.31	138.3	32.15
Kentucky	123	11,384	1.61	7.83	139.9	31.85
Ohio	123	11,384	1.61	7.83	139.9	31.85
Wyoming	1,287	8,503	.34	4.81	134.7	22.90
Campbell	1,287	8,503	.34	4.81	134.7	22.90
Dairyland Power Coop Stoneman	**46**	**11,629**	**1.58**	**7.56**	**134.1**	**31.20**
Kentucky	46	11,629	1.58	7.56	134.1	31.20
Ohio	46	11,629	1.58	7.56	134.1	31.20
Dairyland Power Coop Genoa No.3	**637**	**10,769**	**2.07**	**8.39**	**120.9**	**26.03**
Illinois	34	11,860	1.26	5.90	144.6	34.30
Jefferson	34	11,860	1.26	5.90	144.6	34.30
Indiana	450	11,057	2.68	8.91	115.3	25.49
Warrick	450	11,057	2.68	8.91	115.3	25.49
Kentucky	57	12,013	.62	11.76	141.9	34.08
Pike	57	12,013	.62	11.76	141.9	34.08
Wyoming	96	8,287	.41	4.86	125.6	20.81
Campbell	96	8,287	.41	4.86	125.6	20.81
Dayton Power & Light Co Stuart	**6,146**	**11,675**	**1.34**	**13.96**	**148.2**	**34.61**
Kentucky	4,771	11,701	1.23	13.94	161.3	37.75
Bell	235	12,568	1.22	8.62	193.4	48.62
Boyd	10	11,836	2.18	10.30	104.5	24.74
Breathitt	33	11,400	1.19	14.71	95.8	21.85
Carter	53	11,041	1.49	14.50	99.8	22.04
Elliott	11	10,739	1.14	16.26	107.7	23.13
Floyd	806	11,531	1.04	14.35	101.4	23.38
Johnson	236	11,296	1.33	14.89	104.0	23.48
Laurel	6	11,747	.89	12.40	109.7	25.77
Lawrence	56	11,319	1.12	13.30	97.7	22.11
Letcher	56	11,683	1.17	13.45	102.3	23.91
Magoffin	83	11,482	1.25	14.23	98.9	22.72
Martin	19	11,187	1.26	13.58	107.5	24.04
Perry	1,966	11,450	1.22	15.25	191.3	43.82
Pike	1,197	12,226	1.34	12.37	172.9	42.27
Wolfe	3	10,899	.89	16.90	98.3	21.43
Ohio	405	11,341	3.22	12.81	97.3	22.06
Belmont	95	11,764	3.41	13.81	101.8	23.96
Hocking	30	11,349	3.57	11.76	97.6	22.16
Jackson	167	11,239	2.96	12.32	96.1	21.59
Lawrence	6	10,789	1.26	16.59	108.4	23.40
Vinton	106	11,156	3.48	12.77	94.1	21.00
Pennsylvania	23	11,688	2.97	14.05	103.2	24.13
Washington	23	11,688	2.97	14.05	103.2	24.13
West Virginia	947	11,684	1.03	14.56	104.5	24.42
Boone	55	11,463	1.09	15.00	101.7	23.31
Fayette	120	11,895	.96	15.68	103.8	24.69
Kanawha	283	11,871	.94	14.63	109.4	25.97
Logan	238	11,463	1.21	14.33	101.7	23.31
Mingo	166	11,507	.83	14.13	102.7	23.64
Nicholas	28	11,821	1.26	13.98	107.1	25.33
Raleigh	8	11,617	.88	14.40	97.6	22.68
Wayne	49	11,935	1.40	13.84	99.8	23.83
Dayton Power & Light Co Hutchings	**166**	**12,214**	**.82**	**11.03**	**144.6**	**35.32**
Kentucky	63	12,225	.83	9.90	130.6	31.92
Breathitt	2	11,995	.74	9.28	123.4	29.60
Floyd	10	12,334	.86	11.04	142.8	35.22
Letcher	*	11,805	1.12	13.10	124.0	29.28
Magoffin	*	12,841	.89	7.60	152.6	39.19
Perry	44	12,262	.81	9.50	127.4	31.25
Whitley	7	11,925	.89	10.98	136.0	32.43
West Virginia	102	12,207	.81	11.73	153.3	37.43
Kanawha	2	11,875	1.21	9.50	130.1	30.90
Logan	42	12,117	.69	11.16	185.4	44.93
Nicholas	58	12,284	.88	12.22	131.5	32.30

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant / Origin State / County	Receipts (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)
Dayton Power & Light Co Killen	**781**	**12,504**	**0.63**	**10.70**	**162.0**	**40.51**
Kentucky	129	12,257	.62	11.06	112.5	27.58
Floyd	97	12,285	.62	10.96	112.1	27.54
Johnson	13	11,725	.62	12.20	109.9	25.78
Pike	19	12,475	.61	10.83	116.4	29.04
West Virginia	653	12,553	.63	10.63	171.5	43.06
Fayette	14	12,472	.60	9.35	118.6	29.57
Logan	608	12,544	.63	10.74	175.8	44.10
Mingo	15	13,024	.62	8.95	111.7	29.09
Wayne	15	12,543	.61	9.05	110.7	27.77
Deepwater Operating Co Deepwater	**142**	**12,757**	**.81**	**10.35**	**177.7**	**45.35**
West Virginia	142	12,757	.81	10.35	177.7	45.35
Braxton	22	13,305	.89	7.39	178.1	47.40
Nicholas	43	12,570	.83	11.80	173.2	43.55
Webster	77	12,706	.77	10.40	180.1	45.77
Delmarva Power & Light Co Edgemoor	**506**	**13,240**	**.81**	**7.90**	**184.3**	**48.81**
Kentucky	52	12,821	.84	8.53	174.3	44.69
Perry	52	12,821	.84	8.53	174.3	44.69
Virginia	38	13,465	.87	7.79	196.7	52.97
Wise	38	13,465	.87	7.79	196.7	52.97
West Virginia	416	13,272	.80	7.83	184.4	48.94
Boone	14	13,411	.79	6.11	176.8	47.42
Mingo	72	13,467	.70	7.22	173.0	46.59
Nicholas	14	13,038	.78	9.93	165.8	43.22
Webster	316	13,231	.83	7.95	188.2	49.80
Delmarva Power & Light Co Indian River	**1,496**	**12,990**	**1.02**	**8.92**	**176.0**	**45.73**
Maryland	15	13,150	1.59	10.50	141.0	37.08
Garrett	15	13,150	1.59	10.50	141.0	37.08
Pennsylvania	389	12,999	1.43	9.21	167.3	43.49
Clearfield	21	12,684	1.52	10.40	164.6	41.75
Greene	31	13,245	1.41	6.45	165.1	43.73
Jefferson	337	12,997	1.43	9.39	167.6	43.58
Somerset	*	13,566	1.49	8.70	155.3	42.14
Unknown	*	13,000	1.40	9.00	125.5	32.63
Virginia	61	13,029	1.23	8.82	204.5	53.28
Wise	61	13,029	1.23	8.82	204.5	53.28
West Virginia	1,030	12,981	.84	8.80	178.2	46.26
Barbour	14	13,098	1.54	7.70	157.4	41.23
Boone	42	13,223	.74	6.61	182.1	48.16
Mingo	575	12,855	.68	9.06	182.7	46.96
Nicholas	189	13,056	.76	8.51	177.1	46.24
Preston	195	13,223	1.30	8.82	164.9	43.61
Webster	15	12,963	1.47	9.15	204.2	52.93
Deseret Generation & Tran Coop Bonanza	**1,130**	**10,676**	**.45**	**9.95**	**228.0**	**48.68**
Colorado	1,130	10,676	.45	9.95	228.0	48.68
Rio Blanco	1,130	10,676	.45	9.95	228.0	48.68
Detroit Edison Co Harbor Beach	**18**	**13,053**	**.63**	**6.00**	**180.0**	**46.99**
West Virginia	18	13,053	.63	6.00	180.0	46.99
Nicholas	18	13,053	.63	6.00	180.0	46.99
Detroit Edison Co Belle River	**3,732**	**9,524**	**.35**	**4.08**	**148.5**	**28.30**
Montana	3,732	9,524	.35	4.08	148.5	28.30
Big Horn	3,732	9,524	.35	4.08	148.5	28.30
Detroit Edison Co Trenton Channel	**1,346**	**11,875**	**.65**	**6.21**	**186.4**	**44.26**
Kentucky	268	12,554	.82	8.12	208.4	52.33
Martin	268	12,554	.82	8.12	208.4	52.33
Montana	438	9,483	.35	4.05	153.0	29.02
Big Horn	438	9,483	.35	4.05	153.0	29.02
West Virginia	640	13,228	.78	6.90	194.0	51.31
Boone	265	13,531	.80	5.65	209.7	56.74
Logan	33	12,514	.68	11.54	152.3	38.13
Nicholas	342	13,063	.76	7.41	185.2	48.38
Detroit Edison Co Monroe	**8,233**	**11,305**	**.85**	**5.94**	**158.9**	**35.92**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant / Origin State / County	Receipts (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)
Detroit Edison Co Monroe						
Kentucky	2,332	12,845	1.18	7.24	178.5	45.85
Breathitt	10	11,923	1.24	9.00	140.0	33.38
Floyd	291	12,700	1.23	8.08	178.0	45.21
Martin	563	12,608	.82	7.76	205.9	51.91
Perry	11	12,987	1.36	7.40	228.4	59.32
Pike	1,457	12,971	1.30	6.87	168.2	43.63
Montana	1,755	9,525	.35	4.07	151.4	28.84
Big Horn	1,755	9,525	.35	4.07	151.4	28.84
Pennsylvania	1,494	13,227	1.48	6.49	154.6	40.91
Greene	1,494	13,227	1.48	6.49	154.6	40.91
West Virginia	783	13,236	1.16	7.47	207.0	54.80
Boone	648	13,257	1.23	7.51	213.2	56.54
Nicholas	135	13,136	.79	7.29	176.8	46.44
Wyoming	1,869	8,709	.30	4.98	105.0	18.30
Campbell	1,484	8,674	.30	4.90	105.5	18.31
Converse	385	8,842	.31	5.29	103.2	18.25
Detroit Edison Co River Rouge	**1,031**	**12,260**	**.66**	**10.06**	**159.7**	**39.16**
Kentucky	55	12,585	.87	7.75	204.4	51.46
Martin	55	12,585	.87	7.75	204.4	51.46
West Virginia	892	12,566	.69	10.70	160.2	40.26
Boone	38	12,949	.71	8.50	207.0	53.62
Logan	646	12,457	.67	11.50	155.6	38.76
Mingo	85	12,496	.75	10.45	148.1	37.01
Nicholas	123	13,072	.73	7.39	176.9	46.25
Wyoming	84	8,790	.28	4.82	110.3	19.39
Campbell	70	8,776	.28	4.73	110.4	19.38
Converse	14	8,864	.30	5.24	109.8	19.47
Detroit Edison Co St Clair	**4,952**	**9,730**	**.56**	**4.62**	**144.1**	**28.04**
Montana	4,056	9,525	.35	4.07	148.7	28.32
Big Horn	4,056	9,525	.35	4.07	148.7	28.32
Ohio	8	12,427	4.21	8.30	127.6	31.71
Columbiana	8	12,427	4.21	8.30	127.6	31.71
Pennsylvania	383	12,792	2.81	9.04	131.1	33.54
Clarion	326	12,708	2.84	9.36	132.1	33.58
West Virginia	25	12,700	2.97	10.01	130.9	33.26
Harrison	14	12,289	3.07	11.75	135.1	33.21
Marion	11	13,224	2.84	7.80	126.0	33.32
Wyoming	480	8,822	.32	5.34	118.7	20.95
Campbell	84	8,797	.37	5.00	121.9	21.46
Converse	396	8,827	.31	5.41	118.1	20.84
Duke Power Co Cliffside	**545**	**12,665**	**.99**	**8.91**	**183.6**	**46.50**
Kentucky	535	12,665	.99	8.89	184.5	46.74
Harlan	424	12,650	.98	8.67	198.1	50.12
Letcher	13	12,022	1.01	11.86	145.2	34.92
Pike	98	12,812	1.00	9.43	131.4	33.68
Virginia	10	12,693	1.09	10.37	132.8	33.72
Buchanan	3	12,553	1.06	10.90	133.1	33.42
Dickenson	5	12,421	1.04	11.20	132.0	32.78
Lee	2	13,584	1.25	7.50	134.4	36.51
Duke Power Co Allen	**592**	**12,526**	**1.04**	**11.14**	**184.7**	**46.27**
Virginia	592	12,526	1.04	11.14	184.7	46.27
Wise	592	12,526	1.04	11.14	184.7	46.27
Duke Power Co Belews Creek	**4,988**	**12,506**	**.96**	**9.34**	**176.8**	**44.22**
Kentucky	3,458	12,441	.90	8.98	181.7	45.20
Bell	219	12,419	1.00	8.62	167.2	41.52
Martin	3,028	12,414	.87	9.06	185.9	46.16
Pike	211	12,856	1.28	8.17	137.3	35.31
Virginia	949	12,623	1.10	10.63	185.6	46.85
Wise	949	12,623	1.10	10.63	185.6	46.85
West Virginia	581	12,700	1.05	9.38	134.3	34.11
Mingo	581	12,700	1.05	9.38	134.3	34.11
Duke Power Co Buck	**185**	**12,888**	**.88**	**8.63**	**159.1**	**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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company / Plant / Origin State / County	Receipts (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 — Buck						
Kentucky	92	12,838	0.89	7.67	166.6	42.77
Bell	37	12,571	1.09	7.76	181.3	45.59
Martin	20	12,588	.79	8.55	179.0	45.07
Pike	35	13,263	.74	7.08	145.1	38.49
Tennessee	2	12,136	1.23	10.60	146.9	35.66
Campbell	2	12,136	1.23	10.60	146.9	35.66
Virginia	10	12,839	1.20	10.60	201.0	51.61
Wise	10	12,839	1.20	10.60	201.0	51.61
West Virginia	81	12,970	.81	9.41	145.7	37.81
Mingo	81	12,970	.81	9.41	145.7	37.81
Duke Power Co — Lee	**200**	**12,575**	**1.06**	**9.09**	**163.9**	**41.22**
Kentucky	187	12,545	1.05	9.10	165.2	41.45
Clay	3	11,824	.93	9.70	152.0	35.94
Harlan	80	12,589	.99	8.46	185.3	46.65
Pike	104	12,532	1.10	9.57	150.1	37.61
Virginia	13	13,007	1.19	8.99	145.7	37.89
Dickenson	4	11,908	1.16	12.35	145.2	34.59
Lee	9	13,495	1.21	7.50	145.8	39.35
Duke Power Co — Dan River	**57**	**12,875**	**.82**	**9.06**	**143.7**	**37.00**
Kentucky	16	12,990	1.07	7.77	144.7	37.59
Pike	16	12,990	1.07	7.77	144.7	37.59
West Virginia	41	12,830	.72	9.57	143.3	36.77
Mingo	41	12,830	.72	9.57	143.3	36.77
Duke Power Co — Riverbend	**198**	**12,599**	**1.00**	**8.89**	**179.3**	**45.18**
Kentucky	198	12,599	1.00	8.89	179.3	45.18
Bell	37	12,296	1.16	9.60	143.2	35.22
Harlan	142	12,727	.96	8.47	193.5	49.25
Letcher	9	12,084	1.10	11.20	143.8	34.75
Perry	10	12,362	.97	10.20	135.8	33.58
Duke Power Co — Marshall	**3,238**	**12,503**	**1.01**	**10.31**	**169.3**	**42.34**
Kentucky	960	12,570	1.00	8.76	166.6	41.87
Bell	28	12,615	.92	8.46	144.3	36.40
Harlan	482	12,597	1.00	8.68	190.9	48.09
Martin	225	12,569	.89	8.14	145.0	36.44
Perry	84	12,195	.90	10.38	143.3	34.95
Pike	132	12,715	1.25	9.23	135.6	34.47
Unknown	9	12,351	.84	8.20	142.0	35.08
Virginia	1,897	12,439	1.04	11.30	177.4	44.15
Lee	30	12,831	.87	8.63	138.0	35.41
Wise	1,867	12,433	1.04	11.34	178.1	44.29
West Virginia	381	12,655	.92	9.32	136.4	34.52
Mingo	381	12,655	.92	9.32	136.4	34.52
Duquesne Light Co — Cheswick	**1,178**	**12,556**	**1.65**	**11.27**	**138.1**	**34.67**
Pennsylvania	701	12,583	1.48	10.79	147.5	37.11
Allegheny	488	12,668	1.33	10.06	139.2	35.28
Armstrong	15	12,972	1.22	10.21	118.0	30.61
Beaver	73	12,271	2.37	12.74	113.9	27.95
Fayette	29	12,393	1.35	12.20	131.5	32.59
Greene	96	12,384	1.68	12.68	225.2	55.79
West Virginia	477	12,516	1.90	11.98	124.2	31.08
Fayette	11	12,922	1.00	9.15	134.8	34.84
Mingo	10	13,306	.79	7.57	138.2	36.78
Monongalia	409	12,430	1.92	12.42	124.6	30.98
Preston	47	12,993	2.19	9.74	115.0	29.88
Duquesne Light Co — Elrama	**1,089**	**12,244**	**1.72**	**12.86**	**175.5**	**42.97**
Pennsylvania	909	12,233	1.70	12.90	186.5	45.62
Allegheny	258	12,170	1.87	12.15	119.1	28.99
Beaver	17	12,255	2.33	12.18	98.7	24.18
Fayette	9	12,110	2.17	14.17	98.7	23.91
Greene	625	12,260	1.61	13.22	217.7	53.38

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Duquesne Light Co Elrama						
West Virginia	180	12,299	1.80	12.63	120.3	29.59
Monongalia	180	12,299	1.80	12.63	120.3	29.59
East Kentucky Power Coop Spurlock	**1,707**	**12,196**	**1.16**	**11.19**	**117.7**	**28.70**
Kentucky	900	12,092	1.28	10.71	116.8	28.26
Boyd	259	12,604	.65	10.53	115.3	29.06
Floyd	182	11,906	1.27	11.64	121.4	28.91
Greenup	235	11,450	2.56	11.31	112.1	25.66
Knott	95	12,696	.67	8.80	121.4	30.83
Magoffin	83	12,047	.65	10.09	119.3	28.73
Perry	46	12,062	.66	10.15	116.9	28.21
West Virginia	807	12,312	1.04	11.73	118.6	29.20
Fayette	340	12,378	1.56	12.31	123.1	30.46
Logan	279	12,257	.67	12.55	116.7	28.61
Mingo	105	12,090	.65	11.01	111.7	27.01
Wayne	83	12,508	.61	7.50	115.2	28.82
East Kentucky Power Coop Cooper	**712**	**12,305**	**1.50**	**10.40**	**118.1**	**29.06**
Kentucky	668	12,269	1.53	10.60	118.6	29.10
Clay	163	12,571	1.46	9.73	109.9	27.63
Jackson	2	11,624	1.65	11.53	103.8	24.13
Laurel	1	12,443	.64	7.74	99.6	24.80
Owsley	11	11,774	1.67	11.37	104.9	24.71
Perry	53	12,455	1.04	9.72	107.4	26.76
Pulaski	388	12,177	1.58	11.00	126.0	30.69
Wolfe	19	11,722	1.79	10.74	102.9	24.12
Unknown	31	12,042	1.91	11.37	107.6	25.90
Tennessee	44	12,859	1.11	7.34	110.6	28.45
Morgan	14	12,753	1.37	8.75	107.3	27.37
Scott	30	12,908	.99	6.69	112.1	28.95
East Kentucky Power Coop Dale	**256**	**12,067**	**.87**	**9.89**	**107.3**	**25.89**
Kentucky	256	12,067	.87	9.89	107.3	25.89
Breathitt	93	11,962	.88	9.37	109.3	26.14
Knott	1	12,535	.67	8.80	104.8	26.27
Owsley	7	12,339	1.06	6.77	107.6	26.55
Perry	118	12,042	.85	10.99	106.8	25.71
Wolfe	37	12,349	.89	8.30	104.0	25.69
Electric Energy Inc Joppa	**3,310**	**11,335**	**1.86**	**8.41**	**112.8**	**25.57**
Illinois	2,156	11,967	2.19	9.08	115.0	27.52
Jefferson	119	11,767	1.60	7.48	123.1	28.96
Randolph	35	10,892	3.01	9.50	119.0	25.92
Saline	1,420	12,188	1.98	8.37	114.2	27.84
Williamson	582	11,532	2.75	11.12	115.2	26.56
Indiana	573	11,013	1.89	8.77	116.4	25.64
Dubois	69	11,033	1.47	9.41	123.2	27.19
Gibson	218	10,980	1.80	8.61	110.8	24.32
Pike	209	11,073	2.24	8.90	120.6	26.72
Spencer	77	10,926	1.56	8.27	114.7	25.05
Kentucky	134	11,358	1.53	7.71	122.6	27.85
Ohio	134	11,358	1.53	7.71	122.6	27.85
Wyoming	448	8,699	.36	4.96	88.7	15.43
Campbell	448	8,699	.36	4.96	88.7	15.43
Empire District Electric Co Riverton	**287**	**10,066**	**1.19**	**6.32**	**112.3**	**22.60**
Kansas	99	12,504	3.05	9.70	120.4	30.11
Crawford	99	12,504	3.05	9.70	120.4	30.11
Wyoming	188	8,785	.21	4.54	106.2	18.66
Campbell	188	8,785	.21	4.54	106.2	18.66
Empire District Electric Co Asbury	**784**	**9,110**	**.54**	**5.24**	**95.4**	**17.39**
Kansas	83	11,857	3.39	11.49	126.9	30.09
Crawford	83	11,857	3.39	11.49	126.9	30.09
Wyoming	701	8,785	.21	4.50	90.4	15.88
Campbell	701	8,785	.21	4.50	90.4	15.88
Florida Power Corp Crystal River[1]	**5,436**	**12,631**	**.84**	**8.69**	**180.1**	**45.49**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Florida Power Corp Crystal River[1]						
Kentucky	3,949	12,694	0.90	8.42	168.8	42.84
Boyd	36	12,545	.85	8.76	171.4	43.02
Breathitt	308	12,215	1.03	8.99	142.1	34.71
Floyd	341	12,568	.98	9.41	166.0	41.73
Harlan	924	12,352	1.08	10.02	178.8	44.17
Knott	216	12,559	.91	8.59	159.3	40.01
Knox	9	12,961	.75	7.95	135.7	35.18
Leslie	28	12,599	1.05	10.15	172.6	43.48
Letcher	1,753	12,988	.80	7.31	173.0	44.95
Martin	100	12,512	.67	6.54	188.7	47.23
Pike	235	12,869	.67	8.54	136.5	35.14
Virginia	841	12,424	.71	9.12	230.1	57.17
Lee	841	12,424	.71	9.12	230.1	57.17
West Virginia	646	12,521	.66	9.78	185.6	46.49
Boone	556	12,531	.62	9.65	190.7	47.80
Kanawha	41	12,505	.91	10.34	166.0	41.53
Logan	36	12,297	.86	10.72	141.7	34.84
Nicholas	13	12,721	1.08	11.25	150.0	38.16
Fremont City of Wright	**196**	**8,656**	**.34**	**4.80**	**84.1**	**14.56**
Wyoming	196	8,656	.34	4.80	84.1	14.56
Campbell	192	8,619	.34	4.77	82.5	14.23
Carbon	3	11,100	.61	6.20	170.0	37.74
Unknown	*	8,350	.49	8.20	35.9	6.00
Gainesville Regional Util Deerhaven	**490**	**13,214**	**.63**	**7.17**	**176.0**	**46.52**
Kentucky	416	13,253	.63	6.95	175.5	46.51
Knott	28	12,859	.68	8.31	179.6	46.18
Pike	388	13,281	.62	6.85	175.2	46.53
Virginia	9	12,798	.70	8.77	177.5	45.43
Unknown	9	12,798	.70	8.77	177.5	45.43
West Virginia	65	13,022	.66	8.37	179.5	46.74
Logan	65	13,022	.66	8.37	179.5	46.74
Georgia Power Co Harllee Branch	**3,371**	**12,377**	**1.37**	**9.99**	**159.3**	**39.43**
Kentucky	3,117	12,348	1.37	9.95	156.9	38.74
Bell	190	12,120	1.44	11.23	197.7	47.92
Breathitt	652	12,101	1.36	9.73	141.9	34.35
Clay	209	12,309	1.26	10.81	138.8	34.16
Floyd	36	11,624	1.17	12.53	144.4	33.57
Harlan	391	12,521	1.47	8.67	145.3	36.39
Knott	389	12,524	1.51	10.81	170.6	42.74
Leslie	391	12,387	1.15	10.63	143.5	35.54
Letcher	219	12,371	1.34	11.05	176.2	43.60
Perry	293	12,087	1.17	10.62	161.0	38.93
Pike	345	12,806	1.57	7.27	171.0	43.81
Virginia	227	12,815	1.51	10.50	193.3	49.55
Lee	155	12,698	1.43	11.04	196.7	49.96
Wise	72	13,066	1.69	9.34	186.3	48.68
West Virginia	28	12,125	.84	11.40	139.8	33.90
Boone	28	12,125	.84	11.40	139.8	33.90
Georgia Power Co Arkwright	**35**	**12,971**	**1.71**	**10.02**	**190.6**	**49.45**
Tennessee	5	13,261	2.33	8.14	160.7	42.62
Morgan	5	13,261	2.33	8.14	160.7	42.62
Virginia	30	12,925	1.61	10.31	195.4	50.51
Lee	12	12,588	1.48	11.64	201.9	50.83
Wise	18	13,155	1.70	9.41	191.2	50.29
Georgia Power Co Atkinson-Mcdonoug	**1,221**	**11,982**	**1.97**	**10.16**	**169.5**	**40.62**
Alabama	39	12,004	2.33	11.99	140.0	33.61
Fayette	39	12,004	2.33	11.99	140.0	33.61
Illinois	225	11,456	2.90	9.40	209.1	47.91
Franklin	111	11,686	2.59	8.02	222.1	51.92
Perry	114	11,233	3.21	10.75	195.9	44.00
Indiana	136	11,239	2.38	7.87	137.9	30.99
Pike	136	11,239	2.38	7.87	137.9	30.99

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Georgia Power Co Atkinson-Mcdonoug						
Kentucky	557	12,089	1.48	11.20	178.2	43.08
Floyd	6	11,889	1.93	13.92	132.3	31.46
Hopkins	18	11,590	2.83	10.65	173.7	40.26
Letcher	18	12,098	1.16	11.38	178.8	43.26
Perry	515	12,111	1.44	11.16	178.9	43.33
Pike	1	10,219	.73	22.33	139.6	28.53
Virginia	246	12,877	2.07	9.89	138.8	35.75
Dickenson	77	12,887	2.12	10.48	136.1	35.08
Wise	168	12,872	2.04	9.62	140.1	36.06
Wyoming	18	8,638	.37	4.70	163.9	28.32
Campbell	18	8,638	.37	4.70	163.9	28.32
Georgia Power Co Bowen	**8,348**	**12,148**	**1.59**	**10.59**	**167.0**	**40.56**
Kentucky	8,348	12,148	1.59	10.59	167.0	40.56
Bell	2,025	12,101	1.45	11.01	180.9	43.78
Clay	746	12,224	1.46	10.47	166.8	40.78
Harlan	46	13,269	1.02	6.44	150.4	39.91
Hopkins	1,325	11,744	2.99	10.32	167.4	39.33
Knott	842	12,101	1.44	11.13	171.3	41.46
Leslie	1,320	12,200	1.40	10.84	165.5	40.37
Letcher	28	12,401	1.45	11.12	173.7	43.09
Perry	2,007	12,388	1.07	10.08	152.5	37.79
Pike	9	12,575	1.69	8.34	152.4	38.33
Georgia Power Co Hammond	**1,069**	**13,018**	**1.61**	**9.67**	**176.4**	**45.93**
Kentucky	21	12,605	1.81	9.42	151.2	38.13
Bell	21	12,605	1.81	9.42	151.2	38.13
Tennessee	32	13,638	2.03	6.81	150.6	41.07
Anderson	3	12,196	2.02	11.86	155.2	37.86
Claiborne	13	13,897	1.81	5.78	153.1	42.55
Morgan	16	13,688	2.22	6.75	147.6	40.41
Virginia	1,016	13,007	1.59	9.76	177.8	46.24
Lee	176	12,718	1.43	10.97	185.7	47.23
Wise	840	13,068	1.63	9.51	176.2	46.04
Georgia Power Co Yates	**1,712**	**11,817**	**2.11**	**10.47**	**194.2**	**45.90**
Illinois	861	11,278	2.82	9.54	207.2	46.74
Franklin	466	11,577	2.50	8.51	217.5	50.36
Perry	395	10,926	3.19	10.75	194.4	42.47
Kentucky	83	10,969	1.29	17.51	149.4	32.77
Bell	30	12,237	1.83	11.35	153.1	37.46
Breathitt	10	10,041	.76	22.65	146.6	29.44
Floyd	18	10,187	.83	20.36	149.7	30.50
Harlan	9	12,043	2.08	12.37	145.4	35.02
Perry	12	9,172	.63	27.16	147.3	27.03
Pike	4	9,961	.66	22.67	137.8	27.46
Union	1	11,610	2.28	10.53	147.7	34.30
Tennessee	3	13,816	2.35	6.65	154.6	42.72
Morgan	3	13,816	2.35	6.65	154.6	42.72
Virginia	711	12,732	1.48	10.88	186.8	47.56
Lee	611	12,672	1.45	11.22	188.3	47.72
Wise	100	13,100	1.67	8.81	177.9	46.61
West Virginia	19	11,437	.73	17.31	162.1	37.09
Fayette	19	11,437	.73	17.31	162.1	37.09
Wyoming	34	8,489	.36	4.66	160.1	27.19
Campbell	34	8,489	.36	4.66	160.1	27.19
Georgia Power Co Mitchell	**96**	**12,221**	**1.47**	**11.23**	**208.5**	**50.95**
Kentucky	96	12,221	1.47	11.23	208.5	50.95
Clay	96	12,220	1.47	11.24	208.5	50.96
Perry	*	12,758	1.28	9.56	198.7	50.70
Georgia Power Co Scherer	**4,136**	**11,722**	**.60**	**8.79**	**199.9**	**46.86**
Kentucky	165	12,955	.64	7.56	158.0	40.94
Martin	40	13,008	.62	6.86	163.0	42.40
Pike	125	12,938	.64	7.79	156.4	40.47

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company / Plant / Origin State / County	Receipts (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 — Scherer						
Virginia	756	13,256	0.74	8.20	177.6	47.09
Wise	756	13,256	.74	8.20	177.6	47.09
West Virginia	2,262	12,363	.66	10.68	225.6	55.78
Mingo	2,262	12,363	.66	10.68	225.6	55.78
Wyoming	953	8,771	.36	5.00	151.4	26.56
Campbell	697	8,774	.38	4.90	154.2	27.05
Converse	256	8,761	.30	5.28	143.8	25.20
Georgia Power Co — Wansley	**4,399**	**11,114**	**2.61**	**9.85**	**203.5**	**45.24**
Illinois	3,969	11,292	2.83	9.45	207.9	46.95
Franklin	1,999	11,667	2.46	8.14	220.6	51.48
Perry	1,969	10,911	3.19	10.78	194.1	42.36
Kentucky	174	9,910	.85	22.53	146.5	29.04
Breathitt	27	10,035	.76	22.72	146.6	29.43
Floyd	57	10,160	.83	20.44	148.5	30.17
Perry	57	9,152	.63	27.35	147.3	26.97
Pike	20	10,058	.69	22.55	137.7	27.71
Union	13	11,610	2.28	10.53	147.7	34.30
West Virginia	54	11,439	.73	17.27	162.2	37.10
Fayette	54	11,439	.73	17.27	162.2	37.10
Wyoming	202	8,566	.36	4.66	161.2	27.61
Campbell	202	8,566	.36	4.66	161.2	27.61
Grand Haven City of — J B Simms	**179**	**11,136**	**2.82**	**10.34**	**159.5**	**35.52**
Indiana	118	10,933	2.36	9.81	159.0	34.76
Greene	118	10,933	2.36	9.81	159.0	34.76
Kentucky	61	11,531	3.12	11.37	160.5	37.00
Muhlenberg	61	11,531	3.12	11.37	160.5	37.00
Grand Island City of — Platte	**358**	**8,362**	**.32**	**5.90**	**70.2**	**11.74**
Wyoming	358	8,362	.32	5.90	70.2	11.74
Campbell	358	8,362	.32	5.90	70.2	11.74
Grand River Dam Authority — GRDA 1	**3,486**	**8,535**	**.47**	**4.95**	**97.1**	**16.57**
Oklahoma	128	13,221	4.08	7.86	105.8	27.96
Nowata	128	13,221	4.08	7.86	105.8	27.96
Wyoming	3,358	8,357	.34	4.84	96.5	16.14
Campbell	3,358	8,357	.34	4.84	96.5	16.14
Gulf Power Co — Crist	**1,873**	**12,000**	**2.72**	**8.47**	**180.4**	**43.29**
Illinois	1,265	11,977	2.68	8.67	205.1	49.12
Franklin	191	11,673	2.38	8.31	123.5	28.83
Gallatin	1,073	12,032	2.73	8.73	219.1	52.73
Randolph	2	12,037	2.75	8.50	222.6	53.59
Kentucky	607	12,048	2.81	8.06	129.2	31.13
Hopkins	149	12,035	2.96	7.92	131.5	31.65
Ohio	46	11,762	2.92	8.07	117.7	27.69
Union	412	12,085	2.75	8.11	129.6	31.33
Gulf Power Co — Smith	**1,039**	**12,007**	**2.72**	**8.34**	**210.6**	**50.57**
Illinois	906	12,015	2.72	8.66	222.5	53.46
Franklin	2	11,634	2.62	8.20	126.7	29.48
Gallatin	897	12,015	2.72	8.66	222.6	53.49
Randolph	8	12,100	2.71	8.30	225.3	54.52
Kentucky	132	11,953	2.75	6.12	128.9	30.82
Union	132	11,953	2.75	6.12	128.9	30.82
Gulf Power Co — Scholtz	**68**	**12,685**	**2.86**	**7.08**	**151.3**	**38.39**
Kentucky	68	12,685	2.86	7.08	151.3	38.39
Union	7	12,410	2.76	7.80	154.6	38.37
Webster	61	12,718	2.87	6.99	151.0	38.39
Gulf States Utilities Co — Nelson	**2,047**	**8,779**	**.46**	**5.71**	**202.8**	**35.60**
Wyoming	2,047	8,779	.46	5.71	202.8	35.60
Campbell	2,047	8,779	.46	5.71	202.8	35.60
Hamilton City of — Hamilton	**55**	**12,414**	**.70**	**9.34**	**161.7**	**40.15**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company / Plant / Origin State / County	Receipts (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)
Hamilton City of — Hamilton						
West Virginia	55	12,414	0.70	9.34	161.7	40.15
Boone	25	12,496	.69	9.11	163.2	40.80
Fayette	30	12,347	.71	9.52	160.4	39.62
Hastings City of — Hastings	**283**	**8,611**	**.29**	**4.78**	**91.6**	**15.77**
Wyoming	283	8,611	.29	4.78	91.6	15.77
Campbell	283	8,611	.29	4.78	91.6	15.77
Holland City of — James De Young	**109**	**13,031**	**.87**	**6.29**	**175.3**	**45.68**
Kentucky	109	13,031	.87	6.29	175.3	45.68
Magoffin	109	13,031	.87	6.29	175.3	45.68
Holyoke Water Power Co — Mount Tom	**400**	**13,137**	**1.47**	**6.63**	**175.5**	**46.11**
Pennsylvania	400	13,137	1.47	6.63	175.5	46.11
Greene	330	13,041	1.49	6.68	177.8	46.38
Washington	71	13,588	1.37	6.41	165.0	44.85
Hoosier Energy R E C Inc — Merom	**2,266**	**10,971**	**3.61**	**12.02**	**125.0**	**27.42**
Indiana	2,266	10,971	3.61	12.02	125.0	27.42
Clay	1,080	10,840	3.79	11.59	165.1	35.79
Daviess	212	11,064	3.29	11.46	84.4	18.68
Greene	363	11,071	2.93	12.45	81.7	18.10
Pike	456	11,124	4.00	12.80	99.6	22.16
Spencer	10	10,722	4.11	12.21	88.9	19.06
Sullivan	136	11,118	3.08	12.49	82.9	18.44
Vigo	10	10,825	3.45	12.38	78.6	17.02
Hoosier Energy R E C Inc — Frank E Ratts	**605**	**11,189**	**2.96**	**9.91**	**135.1**	**30.23**
Indiana	605	11,189	2.96	9.91	135.1	30.23
Pike	605	11,189	2.96	9.91	135.1	30.23
Houston Lighting & Power Co — Limestone	**7,931**	**6,399**	**.98**	**17.75**	**168.9**	**21.62**
Texas	7,931	6,399	.98	17.75	168.9	21.62
Freestone	7,931	6,399	.98	17.75	168.9	21.62
Houston Lighting & Power Co — Parish	**9,170**	**8,440**	**.42**	**4.98**	**237.5**	**40.08**
Wyoming	9,170	8,440	.42	4.98	237.5	40.08
Campbell	9,170	8,440	.42	4.98	237.5	40.08
Illinois Power Co — Baldwin	**4,250**	**10,728**	**2.83**	**10.18**	**148.4**	**31.83**
Illinois	4,018	10,842	2.97	10.49	149.6	32.44
Perry	2,040	10,863	3.01	10.41	154.3	33.51
Randolph	1,247	10,820	2.94	10.56	144.8	31.33
Washington	732	10,822	2.94	10.55	144.8	31.33
Wyoming	232	8,737	.27	4.90	121.8	21.29
Campbell	232	8,737	.27	4.90	121.8	21.29
Illinois Power Co — Hennepin	**711**	**10,712**	**2.92**	**10.70**	**151.2**	**32.40**
Illinois	711	10,712	2.92	10.70	151.2	32.40
Randolph	447	10,714	2.92	10.70	151.3	32.42
Washington	265	10,709	2.92	10.72	151.2	32.37
Illinois Power Co — Havana	**604**	**12,179**	**.62**	**8.03**	**153.9**	**37.49**
Kentucky	279	12,749	.69	7.94	161.6	41.21
Floyd	53	12,576	.61	7.88	143.9	36.19
Letcher	226	12,789	.71	7.96	165.7	42.39
West Virginia	266	12,414	.65	8.87	149.2	37.05
Boone	100	12,561	.65	9.23	147.0	36.92
Logan	72	12,374	.68	9.16	153.2	37.92
Mingo	31	12,315	.66	8.70	150.0	36.96
Wayne	64	12,277	.59	8.06	147.9	36.32
Wyoming	59	8,386	.20	4.58	129.6	21.74
Campbell	59	8,386	.20	4.58	129.6	21.74
Illinois Power Co — Wood River	**690**	**12,089**	**.78**	**8.47**	**145.4**	**35.16**
Colorado	82	11,007	.47	9.93	146.5	32.24
Routt	82	11,007	.47	9.93	146.5	32.24

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Illinois Power Co Wood River						
Illinois	287	12,061	0.94	5.78	147.2	35.52
Jefferson	265	12,123	.95	5.46	148.4	35.98
Saline	22	11,314	.84	9.73	132.2	29.93
Kentucky	12	12,590	.71	8.70	162.0	40.78
Letcher	12	12,590	.71	8.70	162.0	40.78
Tennessee	10	13,024	.77	6.60	148.7	38.74
Claiborne	10	13,024	.77	6.60	148.7	38.74
West Virginia	284	12,521	.75	11.00	143.5	35.93
Kanawha	281	12,521	.75	11.03	143.4	35.91
Logan	1	12,293	.65	9.60	151.4	37.23
Wayne	2	12,678	.58	7.40	146.9	37.24
Wyoming	15	9,406	.34	5.30	123.8	23.30
Converse	15	9,406	.34	5.30	123.8	23.30
Illinois Power Co Vermilion	**395**	**10,710**	**2.45**	**11.65**	**126.3**	**27.05**
Illinois	188	10,527	2.56	12.95	128.5	27.05
Douglas	188	10,527	2.56	12.95	128.5	27.05
Indiana	207	10,876	2.34	10.46	124.4	27.05
Clay	55	11,049	2.82	9.81	125.7	27.77
Owen	132	10,787	2.16	10.83	122.5	26.42
Vermillion	20	10,995	2.25	9.81	133.1	29.27
Independence City of Blue Valley	**30**	**12,111**	**3.61**	**11.43**	**157.6**	**38.17**
Kansas	30	12,111	3.61	11.43	157.6	38.17
Crawford	30	12,111	3.61	11.43	157.6	38.17
Indiana Michigan Power Co Breed	**114**	**10,846**	**3.82**	**10.68**	**151.0**	**32.76**
Indiana	114	10,846	3.82	10.68	151.0	32.76
Clay	57	10,846	3.82	10.68	151.0	32.76
Vigo	57	10,846	3.82	10.68	151.0	32.76
Indiana Michigan Power Co Tanners Creek	**1,692**	**11,715**	**1.93**	**8.43**	**149.6**	**35.05**
Illinois	76	11,347	2.71	7.81	139.5	31.66
Wabash	76	11,347	2.71	7.81	139.5	31.66
Indiana	696	11,302	2.65	7.83	139.4	31.51
Warrick	696	11,302	2.65	7.83	139.4	31.51
Kentucky	919	12,059	1.31	8.93	157.6	38.02
Hopkins	303	11,611	2.57	8.35	124.1	28.81
Letcher	113	12,494	.69	8.08	160.3	40.05
Magoffin	80	12,162	.68	9.26	165.1	40.16
Unknown	424	12,245	.69	9.51	178.3	43.66
Indiana Michigan Power Co Rockport	**9,307**	**8,591**	**.32**	**4.80**	**117.1**	**20.13**
Wyoming	9,307	8,591	.32	4.80	117.1	20.13
Campbell	9,307	8,591	.32	4.80	117.1	20.13
Indiana-Kentucky Electric Corp Clifty Creek	**4,161**	**11,418**	**3.18**	**10.36**	**109.7**	**25.05**
Illinois	32	12,048	1.43	6.00	139.0	33.49
Saline	32	12,048	1.43	6.00	139.0	33.49
Indiana	707	10,850	2.90	9.65	102.2	22.18
Spencer	9	10,840	3.49	10.71	92.9	20.14
Warrick	698	10,850	2.89	9.63	102.3	22.21
Kentucky	3,307	11,604	3.35	10.72	110.0	25.53
Daviess	623	11,634	3.19	9.01	113.8	26.48
Hopkins	2,190	11,558	3.48	11.72	110.6	25.57
Letcher	45	13,665	1.56	4.10	126.2	34.50
Mclean	34	11,577	2.85	11.08	100.7	23.31
Ohio	406	11,579	3.17	8.72	99.7	23.08
Union	9	11,573	2.80	8.30	108.7	25.16
Virginia	17	13,023	.52	10.30	163.3	42.53
Russell	17	13,023	.52	10.30	163.3	42.53
Wyoming	98	8,779	.24	4.83	134.4	23.59
Campbell	65	8,746	.21	4.70	135.2	23.65
Converse	33	8,843	.31	5.10	132.7	23.47
Indianapolis Power & Light Co Stout	**1,085**	**11,108**	**1.63**	**8.43**	**132.9**	**29.53**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Indianapolis Power & Light Co Stout						
Indiana	1,085	11,108	1.63	8.43	132.9	29.53
Clay	226	11,224	1.71	7.26	120.0	26.94
Greene	476	11,164	1.38	8.07	122.3	27.32
Sullivan	383	10,971	1.88	9.57	154.2	33.82
Indianapolis Power & Light Co Petersburg	**4,384**	**11,208**	**2.70**	**8.22**	**101.0**	**22.64**
Indiana	4,384	11,208	2.70	8.22	101.0	22.64
Daviess	579	11,487	2.01	7.65	102.8	23.61
Greene	214	11,208	1.54	8.37	121.5	27.23
Knox	186	11,225	1.60	8.80	107.7	24.17
Pike	286	11,216	2.45	8.41	97.8	21.93
Sullivan	52	11,018	1.90	9.44	156.9	34.58
Vigo	4	11,709	2.87	7.29	81.0	18.97
Warrick	3,063	11,157	3.01	8.24	98.2	21.91
Indianapolis Power & Light Co Pritchard	**299**	**11,392**	**1.05**	**6.84**	**125.2**	**28.53**
Indiana	299	11,392	1.05	6.84	125.2	28.53
Clay	23	11,501	.99	5.82	114.6	26.37
Greene	194	11,471	1.00	6.06	120.6	27.67
Knox	82	11,175	1.21	8.95	139.4	31.17
Interstate Power Co Fox Lake	**75**	**11,113**	**1.68**	**9.69**	**154.2**	**34.28**
Indiana	75	11,113	1.68	9.69	154.2	34.28
Daviess	75	11,113	1.68	9.69	154.2	34.28
Interstate Power Co Dubuque	**129**	**11,025**	**2.91**	**9.40**	**200.3**	**44.16**
Illinois	129	11,025	2.91	9.40	200.3	44.16
Randolph	129	11,025	2.91	9.40	200.3	44.16
Interstate Power Co Lansing	**563**	**8,559**	**.46**	**4.83**	**241.5**	**41.34**
Illinois	47	11,608	2.04	8.69	193.7	44.97
Randolph	47	11,608	2.04	8.69	193.7	44.97
Wyoming	517	8,284	.32	4.48	247.5	41.01
Campbell	517	8,284	.32	4.48	247.5	41.01
Interstate Power Co Kapp	**501**	**11,319**	**2.03**	**8.18**	**140.5**	**31.80**
Illinois	251	11,507	2.05	8.08	139.2	32.04
Perry	251	11,507	2.05	8.08	139.2	32.04
Indiana	250	11,131	2.00	8.28	141.7	31.55
Pike	250	11,131	2.00	8.28	141.7	31.55
Iowa Electric Light & Power Prairie Creek 1-4	**520**	**9,686**	**1.56**	**7.47**	**131.1**	**25.40**
Illinois	154	11,612	2.35	8.76	141.2	32.80
Franklin	154	11,612	2.35	8.76	141.2	32.80
Indiana	17	11,008	2.29	9.50	163.2	35.93
Gibson	17	11,008	2.29	9.50	163.2	35.93
Iowa	74	9,836	4.21	13.56	174.5	34.34
Marion	74	9,836	4.21	13.56	174.5	34.34
Wyoming	275	8,486	.36	4.98	107.3	18.21
Campbell	275	8,486	.36	4.98	107.3	18.21
Iowa Electric Light & Power 6th St	**87**	**11,441**	**2.03**	**9.39**	**158.0**	**36.16**
Illinois	62	11,617	1.92	9.34	155.9	36.23
Franklin	62	11,617	1.92	9.34	155.9	36.23
Indiana	25	11,008	2.29	9.50	163.6	36.01
Gibson	25	11,008	2.29	9.50	163.6	36.01
Iowa Electric Light & Power Sutherland	**329**	**9,002**	**.82**	**6.04**	**106.0**	**19.08**
Illinois	44	11,718	2.55	10.59	149.9	35.14
Saline	44	11,718	2.55	10.59	149.9	35.14
Iowa	13	9,874	4.38	13.03	163.4	32.26
Marion	13	9,874	4.38	13.03	163.4	32.26
Wyoming	272	8,520	.36	4.96	92.9	15.84
Campbell	250	8,489	.36	4.95	92.9	15.78
Converse	22	8,869	.30	5.12	93.0	16.49
Iowa Power Inc. Council Bluffs	**2,393**	**8,375**	**.32**	**4.61**	**90.4**	**15.14**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company / Plant / Origin State / County	Receipts (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)
Iowa Power Inc. — Council Bluffs						
Wyoming	2,393	8,375	0.32	4.61	90.4	15.14
Campbell	2,393	8,375	.32	4.61	90.4	15.14
Iowa Public Service Co — George Neal 1/4	**5,414**	**8,760**	**.36**	**5.85**	**86.0**	**15.06**
Wyoming	5,414	8,760	.36	5.85	86.0	15.06
Campbell	4,527	8,441	.35	5.40	77.5	13.09
Carbon	887	10,391	.43	8.18	120.9	25.13
Iowa Southern Utilities Co — Ottumwa	**2,453**	**8,361**	**.32**	**5.96**	**104.4**	**17.45**
Wyoming	2,453	8,361	.32	5.96	104.4	17.45
Campbell	2,453	8,361	.32	5.96	104.4	17.45
Iowa Southern Utilities Co — Burlington	**377**	**10,320**	**2.35**	**7.75**	**116.5**	**24.04**
Illinois	3	10,787	2.87	10.72	117.5	25.35
St Clair	3	10,787	2.87	10.72	117.5	25.35
Indiana	226	11,608	3.15	8.43	127.4	29.59
Warrick	226	11,608	3.15	8.43	127.4	29.59
Wyoming	147	8,331	1.10	6.65	93.0	15.49
Campbell	147	8,331	1.10	6.65	93.0	15.49
Iowa-Illinois Gas&Electric Co — Riverside	**301**	**10,847**	**2.40**	**12.07**	**130.6**	**28.34**
Indiana	301	10,847	2.40	12.07	130.6	28.34
Knox	301	10,847	2.40	12.07	130.6	28.34
Iowa-Illinois Gas&Electric Co — Louisa	**2,369**	**8,324**	**.32**	**5.38**	**102.1**	**17.00**
Wyoming	2,369	8,324	.32	5.38	102.1	17.00
Campbell	2,369	8,324	.32	5.38	102.1	17.00
Jacksonville Electric Auth — St. Johns River	**3,983**	**12,346**	**1.07**	**8.64**	**166.0**	**41.00**
Kentucky	1,475	12,802	1.10	8.96	166.4	42.59
Harlan	964	12,873	1.16	8.64	178.5	45.96
Leslie	356	12,511	1.05	10.22	136.9	34.26
Perry	47	12,646	.87	8.50	160.1	40.49
Pike	109	13,190	.79	7.90	155.2	40.93
Ohio	240	12,530	3.74	9.20	163.8	41.04
Belmont	240	12,530	3.74	9.20	163.8	41.04
West Virginia	643	12,102	.85	11.61	200.3	48.47
Logan	643	12,102	.85	11.61	200.3	48.47
Imported	1,625	12,002	.73	7.08	152.4	36.58
Imported Coal	1,625	12,002	.73	7.08	152.4	36.58
Jamestown City of — Samuel A Carlson	**111**	**12,644**	**1.96**	**10.68**	**143.4**	**36.25**
Pennsylvania	111	12,644	1.96	10.68	143.4	36.25
Armstrong	10	12,563	2.10	10.87	136.0	34.17
Butler	7	12,651	1.87	8.26	145.0	36.68
Clarion	43	12,562	1.98	11.16	142.3	35.75
Elk	8	12,919	1.58	9.27	131.4	33.95
Jefferson	43	12,696	1.99	10.82	148.1	37.60
Kansas City City of — Quindaro	**327**	**11,172**	**1.84**	**10.03**	**189.3**	**42.29**
Illinois	214	11,591	2.59	10.78	218.7	50.70
Saline	214	11,591	2.59	10.78	218.7	50.70
Wyoming	112	10,373	.39	8.61	126.4	26.23
Carbon	112	10,373	.39	8.61	126.4	26.23
Kansas City City of — Kaw	**106**	**10,748**	**1.01**	**9.38**	**159.6**	**34.30**
Illinois	31	11,719	2.53	10.28	230.4	53.99
Saline	31	11,719	2.53	10.28	230.4	53.99
Wyoming	75	10,353	.39	9.02	127.0	26.29
Carbon	75	10,353	.39	9.02	127.0	26.29
Kansas City City of — Nearman	**919**	**8,244**	**.36**	**4.97**	**101.0**	**16.65**
Wyoming	919	8,244	.36	4.97	101.0	16.65
Campbell	919	8,244	.36	4.97	101.0	16.65
Kansas City Power & Light Co — Hawthorne	**1,463**	**8,728**	**.23**	**4.85**	**93.4**	**16.30**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Kansas City Power & Light Co Hawthorne						
Wyoming	1,463	8,728	0.23	4.85	93.4	16.30
Campbell	1,463	8,728	.23	4.85	93.4	16.30
Kansas City Power & Light Co Iatan	**2,476**	**8,758**	**.35**	**4.99**	**86.1**	**15.09**
Wyoming	2,476	8,758	.35	4.99	86.1	15.09
Campbell	2,476	8,758	.35	4.99	86.1	15.09
Kansas City Power & Light Co La Cygne	**3,008**	**9,674**	**1.29**	**6.75**	**105.6**	**20.42**
Illinois	1,241	11,293	2.63	9.46	131.7	29.73
Franklin	432	11,572	2.20	8.78	134.1	31.03
Perry	619	10,990	2.93	9.53	131.2	28.83
Saline	148	11,672	2.59	10.61	129.3	30.19
Williamson	42	11,543	2.85	11.49	121.2	27.99
Missouri	10	12,092	3.56	11.10	113.6	27.47
Barton	10	12,092	3.56	11.10	113.6	27.47
Wyoming	1,757	8,517	.33	4.81	81.1	13.81
Campbell	1,757	8,517	.33	4.81	81.1	13.81
Kansas City Power & Light Co Montrose	**1,389**	**8,627**	**.29**	**4.91**	**104.3**	**18.00**
Wyoming	1,389	8,627	.29	4.91	104.3	18.00
Campbell	1,389	8,627	.29	4.91	104.3	18.00
Kansas Power & Light Co Lawrence	**1,098**	**10,446**	**.42**	**7.81**	**130.0**	**27.16**
Wyoming	1,098	10,446	.42	7.81	130.0	27.16
Carbon	1,098	10,446	.42	7.81	130.0	27.16
Kansas Power & Light Co Jeffrey Energy	**7,001**	**8,432**	**.31**	**4.62**	**131.0**	**22.10**
Wyoming	7,001	8,432	.31	4.62	131.0	22.10
Campbell	5,797	8,348	.32	4.48	138.9	23.18
Converse	1,204	8,838	.30	5.27	95.4	16.86
Kansas Power & Light Co Tecumseh	**360**	**10,417**	**.42**	**7.87**	**130.1**	**27.11**
Wyoming	360	10,417	.42	7.87	130.1	27.11
Carbon	360	10,417	.42	7.87	130.1	27.11
Kentucky Power Co Big Sandy	**1,791**	**12,051**	**.98**	**10.90**	**130.3**	**31.41**
Kentucky	1,734	12,044	.99	10.93	131.0	31.55
Floyd	674	12,072	.98	10.32	131.3	31.70
Johnson	246	11,922	1.14	10.64	162.5	38.74
Letcher	144	12,153	1.16	11.07	107.6	26.15
Martin	505	12,032	.90	11.89	128.1	30.82
Pike	165	12,054	.92	10.77	112.6	27.15
West Virginia	57	12,265	.74	10.00	110.6	27.12
Mingo	29	12,265	.74	10.00	110.6	27.12
Wayne	29	12,265	.74	10.00	110.6	27.12
Kentucky Utilities Co Green River	**331**	**11,937**	**2.17**	**7.69**	**112.9**	**26.95**
Kentucky	331	11,937	2.17	7.69	112.9	26.95
Hopkins	285	11,940	2.24	7.79	113.7	27.15
Muhlenberg	17	12,337	1.13	5.10	108.2	26.69
Ohio	29	11,676	2.11	8.25	107.5	25.11
Kentucky Utilities Co Brown	**1,459**	**12,038**	**1.75**	**12.11**	**112.6**	**27.10**
Indiana	70	11,113	2.13	8.68	123.3	27.41
Pike	70	11,113	2.13	8.68	123.3	27.41
Kentucky	825	11,918	1.34	12.41	109.9	26.18
Perry	825	11,918	1.34	12.41	109.9	26.18
Tennessee	564	12,327	2.30	12.09	115.2	28.41
Anderson	564	12,327	2.30	12.09	115.2	28.41
Kentucky Utilities Co Ghent	**4,006**	**12,012**	**1.35**	**9.77**	**118.1**	**28.38**
Indiana	241	11,165	2.83	9.05	97.1	21.68
Dubois	121	11,259	2.82	9.18	94.6	21.31
Spencer	45	11,113	2.82	8.53	94.8	21.07
Warrick	74	11,041	2.86	9.16	102.5	22.64
Kentucky	2,239	11,914	1.68	8.97	113.7	27.08
Floyd	215	12,157	.63	10.78	117.9	28.68
Harlan	315	12,705	.67	7.65	130.9	33.26
Henderson	624	11,195	2.70	8.56	97.4	21.80

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Kentucky Utilities Co Ghent						
Kentucky						
Knott	300	12,595	0.67	8.95	129.2	32.55
Letcher	32	12,750	.70	7.72	119.2	30.39
Muhlenberg	223	11,626	2.56	8.80	104.2	24.23
Ohio	269	11,626	2.75	8.16	102.8	23.90
Perry	99	12,123	.75	10.30	111.2	26.95
Pike	162	12,140	.67	11.81	130.8	31.76
West Virginia	1,526	12,288	.64	11.04	127.5	31.35
Boone	642	12,158	.66	11.99	130.4	31.70
Kanawha	6	12,788	.68	8.50	134.4	34.37
Logan	669	12,473	.62	10.34	127.4	31.78
Mingo	189	12,056	.65	10.61	119.5	28.82
Wayne	20	12,348	.62	9.33	115.0	28.40
Kentucky Utilities Co Tyrone	**26**	**12,230**	**1.02**	**9.53**	**119.5**	**29.23**
Kentucky	26	12,230	1.02	9.53	119.5	29.23
Knott	17	12,139	1.04	8.83	124.2	30.16
Perry	8	12,423	.98	11.03	109.7	27.25
Lakeland City of Plant 3-McIntosh	**849**	**12,446**	**1.02**	**10.20**	**197.1**	**49.06**
Kentucky	849	12,446	1.02	10.20	197.1	49.06
Leslie	849	12,446	1.02	10.20	197.1	49.06
Lansing City of Eckert	**604**	**12,920**	**.84**	**7.33**	**183.9**	**47.52**
Kentucky	535	12,970	.85	7.09	186.1	48.28
Floyd	21	13,186	.78	5.40	174.1	45.92
Letcher	22	12,848	.83	6.77	162.0	41.62
Pike	492	12,966	.85	7.18	187.7	48.68
West Virginia	69	12,533	.80	9.14	165.9	41.58
Boone	13	12,697	.88	7.00	156.5	39.74
Logan	49	12,482	.79	9.85	169.3	42.27
Mingo	7	12,598	.73	8.00	158.7	40.00
Lansing City of Erickson	**290**	**12,905**	**.85**	**7.46**	**179.9**	**46.44**
Kentucky	255	12,939	.87	7.31	181.9	47.08
Floyd	1	13,098	.79	5.40	175.3	45.92
Letcher	5	12,858	.93	7.20	159.9	41.12
Pike	249	12,940	.87	7.32	182.4	47.21
West Virginia	35	12,653	.73	8.54	164.9	41.73
Boone	5	13,227	.84	6.60	152.8	40.42
Logan	30	12,566	.71	8.84	166.8	41.93
Los Angeles City of Intermountain	**4,785**	**11,765**	**.47**	**8.29**	**147.8**	**34.77**
Utah	4,785	11,765	.47	8.29	147.8	34.77
Carbon	4,217	11,689	.46	8.27	152.2	35.58
Emery	568	12,332	.52	8.46	116.7	28.78
Louisville Gas & Electric Co Cane Run	**922**	**11,609**	**3.10**	**9.52**	**108.5**	**25.18**
Indiana	147	11,344	2.91	8.50	106.4	24.14
Daviess	7	10,958	2.76	8.54	108.1	23.70
Gibson	11	11,428	2.96	8.43	105.7	24.16
Pike	86	11,349	2.96	8.25	100.1	22.73
Spencer	44	11,371	2.83	9.00	118.6	26.97
Kentucky	775	11,659	3.14	9.71	108.8	25.38
Daviess	13	10,958	2.76	8.54	108.1	23.70
Henderson	20	11,242	2.91	9.58	116.5	26.20
Hopkins	625	11,729	3.14	9.50	109.8	25.76
Muhlenberg	104	11,406	3.15	11.43	103.0	23.50
Ohio	14	11,701	3.51	7.57	96.0	22.47
Louisville Gas & Electric Co Mill Creek	**2,734**	**11,664**	**3.13**	**9.25**	**106.0**	**24.73**
Indiana	461	11,420	2.82	8.26	104.9	23.97
Daviess	43	10,936	2.69	9.05	99.6	21.78
Gibson	198	11,365	2.97	8.30	100.0	22.74
Spencer	206	11,603	2.74	8.03	112.2	26.04
Warrick	14	10,989	2.36	8.70	79.6	17.49

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Louisville Gas & Electric Co Mill Creek						
Kentucky	2,273	11,714	3.19	9.45	106.2	24.89
Daviess	103	10,944	2.67	8.96	99.0	21.68
Henderson	182	11,419	2.94	9.62	105.4	24.06
Hopkins	1,815	11,815	3.23	9.36	107.5	25.39
Mclean	3	11,295	3.78	12.70	91.2	20.60
Muhlenberg	117	11,304	3.20	11.75	102.2	23.09
Ohio	53	11,665	3.42	7.53	89.5	20.87
Louisville Gas & Electric Co Trimble County	**1,540**	**11,304**	**2.97**	**9.45**	**101.7**	**23.00**
Indiana	746	11,343	2.86	8.85	101.7	23.07
Daviess	147	11,158	2.72	8.87	102.2	22.80
Gibson	475	11,356	2.93	8.99	100.4	22.81
Spencer	108	11,582	2.82	8.20	109.6	25.39
Warrick	15	11,010	2.42	8.65	78.8	17.36
Kentucky	794	11,267	3.07	10.01	101.8	22.94
Daviess	292	11,158	2.72	8.87	102.2	22.80
Henderson	300	11,382	3.14	10.28	105.5	24.02
Mclean	9	11,047	3.70	13.12	90.6	20.02
Muhlenberg	99	10,905	3.56	14.41	101.1	22.06
Ohio	93	11,653	3.34	7.71	90.4	21.07
Lower Colorado River Authority S Seymour-Fayette	**5,576**	**8,545**	**.38**	**5.60**	**135.0**	**23.07**
Texas	192	6,700	1.34	10.33	164.2	22.00
Bastrop	192	6,700	1.34	10.33	164.2	22.00
Wyoming	5,384	8,611	.35	5.44	134.2	23.11
Campbell	5,384	8,611	.35	5.44	134.2	23.11
Madison Gas & Electric Co Blount	**91**	**12,195**	**1.98**	**8.42**	**168.1**	**40.99**
Illinois	81	12,070	2.13	8.64	165.8	40.01
Saline	79	12,103	2.16	8.55	165.2	39.99
Williamson	2	10,773	.76	12.10	189.6	40.85
Kentucky	7	13,354	.74	6.70	183.0	48.88
Letcher	3	13,597	.83	5.50	180.6	49.11
Pike	4	13,172	.68	7.60	184.9	48.71
West Virginia	3	12,831	.79	6.60	189.0	48.50
Kanawha	3	12,831	.79	6.60	189.0	48.50
Manitowoc City of Manitowoc	**143**	**13,315**	**1.01**	**6.17**	**170.7**	**45.45**
Illinois	6	10,654	3.45	8.00	122.0	26.00
Macoupin	6	10,654	3.45	8.00	122.0	26.00
Kentucky	125	13,434	.81	6.09	175.7	47.21
Floyd	56	13,539	.78	5.54	175.9	47.63
Letcher	34	13,303	.81	6.58	178.4	47.47
Perry	5	13,698	.90	3.70	180.1	49.34
Pike	24	13,257	.88	7.48	169.7	44.98
Unknown	6	13,670	.79	4.90	179.2	48.99
Pennsylvania	12	13,528	1.74	5.95	139.2	37.66
Greene	12	13,528	1.74	5.95	139.2	37.66
Marquette City of Shiras	**163**	**8,746**	**.45**	**6.17**	**185.4**	**32.42**
Montana	163	8,746	.45	6.17	185.4	32.42
Big Horn	123	8,746	.45	6.17	185.4	32.42
Rosebud	41	8,746	.45	6.17	185.4	32.42
Metropolitan Edison Co Portland	**658**	**13,216**	**1.84**	**6.38**	**155.4**	**41.08**
Pennsylvania	514	13,283	1.96	6.35	154.8	41.12
Armstrong	7	12,863	1.81	9.58	173.8	44.71
Clarion	22	12,832	2.23	7.97	143.0	36.70
Greene	464	13,322	1.96	6.08	154.7	41.22
Jefferson	22	13,026	1.91	9.47	162.0	42.21
West Virginia	143	12,978	1.39	6.49	157.7	40.93
Barbour	108	12,902	1.39	7.16	161.1	41.58
Monongalia	35	13,213	1.39	4.41	147.3	38.93
Metropolitan Edison Co Titus	**389**	**13,199**	**1.60**	**6.87**	**171.0**	**45.15**
Pennsylvania	389	13,199	1.60	6.87	171.0	45.15
Armstrong	37	12,825	1.69	9.54	157.0	40.28
Greene	353	13,238	1.59	6.59	172.5	45.66

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Michigan South Central Pwr Agy Endicott	**127**	**11,923**	**3.07**	**7.11**	**203.1**	**48.43**
Ohio	127	11,923	3.07	7.11	203.1	48.43
Coshocton	4	12,054	2.92	8.08	186.8	45.03
Holmes	123	11,919	3.07	7.08	203.6	48.52
Minnesota Power & Light Co Aurora-Syl Laskin	**54**	**9,096**	**.64**	**8.31**	**182.7**	**33.23**
Montana	51	8,815	.59	8.34	180.7	31.86
Musselshell	1	8,760	.55	7.80	46.2	8.09
Rosebud	50	8,815	.59	8.35	182.4	32.15
Pennsylvania	3	13,286	1.44	7.76	201.7	53.58
Armstrong	3	13,286	1.44	7.76	201.7	53.58
Minnesota Power & Light Co Boswell	**3,567**	**8,828**	**.59**	**8.44**	**148.1**	**26.14**
Montana	3,567	8,828	.59	8.44	148.1	26.14
Big Horn	407	9,349	.33	4.13	108.7	20.32
Rosebud	3,160	8,761	.62	9.00	153.5	26.89
Minnkota Power Coop Inc Young	**4,056**	**6,885**	**1.24**	**7.97**	**45.4**	**6.25**
North Dakota	4,056	6,885	1.24	7.97	45.4	6.25
Oliver	4,056	6,885	1.24	7.97	45.4	6.25
Mississippi Power Co Daniel	**1,412**	**12,682**	**.69**	**7.16**	**169.9**	**43.09**
Kentucky	1,307	12,952	.72	7.41	171.3	44.38
Knott	561	12,993	.73	7.44	172.8	44.89
Letcher	746	12,921	.72	7.38	170.2	44.00
Montana	105	9,344	.30	4.10	145.2	27.14
Big Horn	105	9,344	.30	4.10	145.2	27.14
Mississippi Power Co Watson	**1,519**	**12,515**	**2.68**	**8.46**	**144.2**	**36.09**
Illinois	1,340	12,586	2.69	8.49	145.9	36.72
Gallatin	1,069	12,693	2.76	8.56	136.4	34.62
Saline	271	12,162	2.45	8.20	185.0	45.01
Kentucky	180	11,988	2.60	8.20	130.9	31.40
Hopkins	59	11,997	2.55	8.50	131.3	31.51
Union	121	11,984	2.62	8.06	130.8	31.34
Missouri Public Service Comm Sibley	**957**	**10,987**	**2.80**	**9.54**	**148.2**	**32.57**
Illinois	906	11,010	2.90	9.73	149.5	32.92
Perry	554	10,984	2.99	9.89	150.5	33.06
Randolph	352	11,050	2.76	9.46	148.0	32.71
Missouri	14	12,098	2.97	9.57	114.6	27.73
Barton	14	12,098	2.97	9.57	114.6	27.73
Wyoming	37	10,006	.38	5.03	128.3	25.68
Campbell	18	8,809	.20	4.30	102.8	18.11
Carbon	19	11,129	.55	5.72	147.3	32.79
Monongahela Power Co Albright	**551**	**12,490**	**1.47**	**12.42**	**105.5**	**26.38**
Maryland	84	13,023	1.41	11.09	122.5	31.91
Garrett	84	13,023	1.41	11.09	122.5	31.91
West Virginia	467	12,394	1.48	12.66	102.3	25.36
Preston	467	12,394	1.48	12.66	102.3	25.36
Monongahela Power Co Ft Martin	**2,663**	**12,721**	**1.71**	**10.20**	**153.2**	**38.98**
Kentucky	499	12,519	.82	8.23	209.2	52.39
Martin	499	12,519	.82	8.23	209.2	52.39
Maryland	407	12,870	1.48	11.89	141.4	36.40
Garrett	407	12,870	1.48	11.89	141.4	36.40
Pennsylvania	2	13,052	1.50	7.50	141.4	36.91
Greene	2	13,052	1.50	7.50	141.4	36.91
West Virginia	1,755	12,744	2.02	10.37	140.3	35.76
Clay	72	12,190	.84	12.16	127.8	31.15
Fayette	58	12,239	.65	12.27	130.9	32.05
Kanawha	59	12,422	.80	10.57	124.7	30.97
Monongalia	1,547	12,811	2.19	10.19	142.1	36.40
Nicholas	19	11,949	.87	12.19	114.6	27.39
Monongahela Power Co Harrison	**4,588**	**13,171**	**3.04**	**7.69**	**141.4**	**37.25**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Monongahela Power Co Harrison						
Pennsylvania	6	13,237	2.42	7.20	110.7	29.31
Greene	6	13,237	2.42	7.20	110.7	29.31
West Virginia	4,582	13,171	3.04	7.69	141.5	37.26
Barbour	8	13,154	3.19	8.20	105.8	27.83
Harrison	3,825	13,157	3.12	7.75	144.0	37.91
Monongalia	716	13,242	2.60	7.36	129.8	34.39
Upshur	33	13,179	2.91	8.27	104.3	27.49
Monongahela Power Co Pleasants	**2,498**	**12,570**	**3.10**	**10.86**	**111.5**	**28.03**
Ohio	787	12,517	4.14	10.03	95.0	23.77
Belmont	787	12,517	4.14	10.03	95.0	23.77
Pennsylvania	829	12,868	2.34	10.19	116.0	29.86
Greene	829	12,868	2.34	10.19	116.0	29.86
West Virginia	882	12,337	2.89	12.22	122.0	30.11
Barbour	296	12,381	2.91	12.47	118.2	29.28
Harrison	255	12,494	3.06	11.37	131.8	32.94
Marion	71	12,279	3.22	12.65	91.4	22.45
Marshall	9	12,467	4.22	9.40	90.9	22.67
Monongalia	233	12,130	2.57	13.03	129.3	31.37
Ohio	18	12,234	2.59	9.61	86.4	21.14
Monongahela Power Co Rivesville	**177**	**12,264**	**.94**	**10.87**	**117.7**	**28.88**
Pennsylvania	118	12,276	.96	10.23	114.5	28.11
Fayette	118	12,276	.96	10.23	114.5	28.11
West Virginia	59	12,241	.90	12.15	124.0	30.35
Barbour	2	11,717	.89	14.90	128.9	30.21
Fayette	*	12,291	.66	10.00	113.5	27.90
Nicholas	5	12,366	.99	10.32	121.8	30.11
Preston	47	12,242	.87	12.08	123.7	30.29
Randolph	5	12,257	1.06	13.80	127.7	31.30
Monongahela Power Co Willow Island	**286**	**12,581**	**1.43**	**10.00**	**117.2**	**29.48**
Kentucky	41	11,982	1.20	11.36	123.0	29.48
Floyd	41	11,982	1.20	11.36	123.0	29.48
Pennsylvania	98	13,168	1.45	7.00	113.0	29.76
Greene	59	13,125	1.59	7.37	113.6	29.81
Washington	39	13,234	1.23	6.44	112.2	29.69
West Virginia	147	12,358	1.49	11.62	118.5	29.29
Barbour	147	12,358	1.49	11.62	118.5	29.29
Montana Power Co Colstrip	**9,661**	**8,560**	**.65**	**8.86**	**66.0**	**11.31**
Montana	9,661	8,560	.65	8.86	66.0	11.31
Rosebud	9,661	8,560	.65	8.86	66.0	11.31
Montana Power Co Corette	**512**	**8,690**	**.63**	**7.90**	**73.9**	**12.84**
Montana	512	8,690	.63	7.90	73.9	12.84
Rosebud	512	8,690	.63	7.90	73.9	12.84
Montana-Dakota Utilities Co Coyote	**1,727**	**6,881**	**1.21**	**8.15**	**74.6**	**10.27**
North Dakota	1,727	6,881	1.21	8.15	74.6	10.27
Mercer	798	6,897	1.21	8.09	74.5	10.28
Oliver	928	6,868	1.22	8.21	74.8	10.27
Montana-Dakota Utilities Co Heskett	**403**	**7,060**	**.89**	**8.21**	**105.2**	**14.85**
North Dakota	403	7,060	.89	8.21	105.2	14.85
Mercer	196	7,054	.93	8.28	105.2	14.84
Oliver	207	7,066	.84	8.15	105.2	14.86
Montana-Dakota Utilities Co Lewis and Clark	**225**	**6,509**	**.57**	**8.70**	**108.5**	**14.13**
Montana	225	6,509	.57	8.70	108.5	14.13
Richland	225	6,509	.57	8.70	108.5	14.13
Montaup Electric Co Somerset	**284**	**12,910**	**1.10**	**7.93**	**182.3**	**47.07**
Virginia	284	12,910	1.10	7.93	182.3	47.07
Buchanan	284	12,910	1.10	7.93	182.3	47.07
Muscatine City of Muscatine	**541**	**11,021**	**2.97**	**7.56**	**215.4**	**47.47**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Muscatine City of Muscatine						
Illinois	530	11,074	3.02	7.59	217.2	48.09
Perry	145	10,762	2.97	10.74	233.3	50.22
Schuyler	385	11,191	3.04	6.40	211.3	47.29
Wyoming	11	8,489	.60	6.13	105.1	17.84
Campbell	11	8,489	.60	6.13	105.1	17.84
Nebraska Public Power District Gerald Gentleman	**3,377**	**8,773**	**.36**	**5.03**	**84.2**	**14.77**
Wyoming	3,377	8,773	.36	5.03	84.2	14.77
Campbell	3,377	8,773	.36	5.03	84.2	14.77
Nebraska Public Power District Sheldon	**755**	**8,802**	**.37**	**5.05**	**78.8**	**13.87**
Wyoming	755	8,802	.37	5.05	78.8	13.87
Campbell	746	8,773	.37	5.05	78.2	13.73
Carbon	9	11,207	.59	5.10	114.4	25.64
Nevada Power Co Gardner	**1,676**	**11,913**	**.57**	**9.79**	**181.3**	**43.19**
Utah	1,676	11,913	.57	9.79	181.3	43.19
Carbon	1,676	11,913	.57	9.79	181.3	43.19
New England Power Co Brayton	**2,713**	**13,142**	**1.15**	**8.13**	**171.2**	**45.00**
Kentucky	1	12,970	.75	8.49	174.6	45.29
Pike	1	12,970	.75	8.49	174.6	45.29
Pennsylvania	34	13,164	1.32	9.03	166.9	43.94
Washington	34	13,164	1.32	9.03	166.9	43.94
Virginia	742	13,260	1.06	7.23	173.1	45.91
Buchanan	400	13,456	1.04	6.62	172.7	46.47
Wise	342	13,031	1.09	7.95	173.7	45.26
West Virginia	1,853	13,083	1.20	8.50	170.7	44.66
Barbour	662	13,088	1.18	8.13	170.2	44.56
Grant	441	13,151	1.48	9.74	167.5	44.05
Mcdowell	80	12,921	.96	8.42	165.5	42.76
Mingo	612	13,063	1.06	8.04	174.3	45.53
Nicholas	*	13,267	1.31	9.41	172.7	45.82
Preston	57	12,950	1.12	8.27	169.3	43.85
Imported	84	13,390	.77	7.55	167.3	44.81
Imported Coal	84	13,390	.77	7.55	167.3	44.81
New England Power Co Salem Harbor	**881**	**13,216**	**1.35**	**8.92**	**172.0**	**45.45**
Virginia	121	13,938	.77	4.26	172.1	47.97
Buchanan	121	13,938	.77	4.26	172.1	47.97
West Virginia	760	13,102	1.44	9.66	171.9	45.05
Grant	721	13,150	1.48	9.55	171.6	45.12
Kanawha	40	12,229	.67	11.67	179.6	43.93
New York State Elec & Gas Corp Goudey	**276**	**12,940**	**1.62**	**8.82**	**149.7**	**38.75**
Pennsylvania	276	12,940	1.62	8.82	149.7	38.75
Clarion	87	12,589	1.60	11.75	148.7	37.44
Clearfield	12	12,290	1.82	12.59	154.0	37.85
Greene	75	13,173	1.77	6.82	152.9	40.29
Somerset	7	12,734	1.10	10.40	155.0	39.48
Washington	87	13,230	1.50	6.79	146.1	38.65
Westmoreland	7	12,577	1.72	10.60	160.6	40.40
New York State Elec & Gas Corp Greenidge	**305**	**12,563**	**1.81**	**10.57**	**148.9**	**37.42**
Pennsylvania	305	12,563	1.81	10.57	148.9	37.42
Armstrong	2	11,586	1.92	17.10	154.2	35.73
Cambria	8	11,841	2.39	15.50	152.2	36.04
Clarion	140	12,230	1.73	12.68	146.5	35.82
Clearfield	23	12,160	1.96	13.64	155.4	37.80
Greene	77	13,149	1.96	7.03	153.6	40.40
Jefferson	3	12,603	2.21	11.24	153.1	38.58
Washington	50	12,933	1.61	7.60	144.2	37.30
New York State Elec & Gas Corp Hickling	**269**	**10,815**	**1.00**	**21.34**	**142.5**	**30.82**
Maryland	4	10,655	1.75	21.89	143.9	30.66
Allegany	4	10,655	1.75	21.89	143.9	30.66

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
New York State Elec & Gas Corp Hickling						
Pennsylvania	265	10,818	0.99	21.33	142.5	30.82
Armstrong	23	10,581	1.40	17.91	137.6	29.13
Cambria	13	10,098	1.39	26.34	134.8	27.22
Centre	8	10,524	1.48	18.49	138.1	29.06
Clarion	19	10,265	1.00	20.62	116.1	23.83
Clearfield	18	10,830	1.51	19.74	142.2	30.80
Clinton	71	11,172	.68	20.71	150.1	33.53
Jefferson	2	10,796	1.15	11.60	158.0	34.12
Lycoming	99	10,926	.93	22.70	145.3	31.76
Somerset	5	10,423	1.65	19.80	111.2	23.18
Unknown	8	9,978	.61	23.12	139.4	27.83
New York State Elec & Gas Corp Jennison	**242**	**11,002**	**.98**	**20.21**	**162.4**	**35.75**
Maryland	14	10,817	1.46	20.79	153.5	33.21
Allegany	13	11,002	1.53	20.25	154.9	34.08
Unknown	1	8,381	.54	27.80	129.1	21.64
Pennsylvania	227	11,014	.95	20.18	163.0	35.90
Armstrong	10	10,580	1.30	19.86	163.3	34.54
Centre	33	10,997	1.05	17.39	154.8	34.04
Clearfield	32	11,117	1.30	17.72	157.6	35.05
Clinton	40	11,168	.75	20.73	168.1	37.54
Lackawanna	1	7,710	.49	20.80	126.4	19.49
Luzerne	1	8,585	.54	26.30	140.8	24.17
Lycoming	96	11,126	.92	21.18	170.0	37.83
Unknown	15	10,378	.59	23.57	134.9	28.01
New York State Elec & Gas Corp Milliken	**846**	**12,519**	**1.89**	**11.56**	**156.1**	**39.09**
Pennsylvania	828	12,536	1.89	11.48	156.2	39.15
Armstrong	52	12,604	1.99	10.74	156.4	39.41
Cambria	64	12,341	1.82	13.08	152.0	37.52
Centre	4	10,960	2.24	19.50	145.8	31.96
Clearfield	418	12,343	1.87	12.76	155.7	38.44
Fayette	30	11,994	1.93	13.52	157.5	37.78
Greene	83	13,165	1.96	6.67	157.6	41.49
Indiana	*	12,471	1.87	10.90	166.3	41.48
Jefferson	138	12,967	1.90	9.55	157.8	40.92
Somerset	5	12,350	1.85	14.18	148.6	36.70
Washington	16	12,783	1.84	8.37	151.8	38.81
Westmoreland	17	12,413	1.86	11.50	167.6	41.61
West Virginia	18	11,713	2.01	15.65	153.3	35.91
Monongalia	18	11,713	2.01	15.65	153.3	35.91
New York State Elec & Gas Corp Kintigh	**1,730**	**13,150**	**2.53**	**8.15**	**140.6**	**36.97**
Pennsylvania	102	13,123	2.13	6.92	139.0	36.49
Clarion	8	12,929	2.05	7.50	142.9	36.95
Greene	94	13,140	2.14	6.87	138.7	36.45
West Virginia	1,628	13,152	2.56	8.23	140.6	37.00
Marion	643	13,277	2.65	7.75	139.0	36.92
Monongalia	985	13,071	2.50	8.54	141.7	37.05
Niagara-Mohawk Power Corp Dunkirk	**1,486**	**13,144**	**2.16**	**7.34**	**145.3**	**38.19**
Kentucky	25	12,809	.69	6.83	180.5	46.24
Martin	25	12,809	.69	6.83	180.5	46.24
Pennsylvania	968	13,086	2.06	7.48	142.4	37.26
Armstrong	200	13,004	2.18	7.74	146.0	37.98
Clarion	303	12,759	2.07	8.43	147.9	37.75
Greene	443	13,353	2.02	6.68	137.0	36.58
Mercer	22	12,959	1.81	8.08	145.0	37.57
West Virginia	485	13,362	2.46	7.12	148.8	39.76
Marion	125	13,408	2.75	7.77	151.4	40.59
Monongalia	360	13,345	2.36	6.89	147.9	39.48
Wyoming	9	8,361	.36	5.51	190.8	31.91
Campbell	9	8,361	.36	5.51	190.8	31.91
Niagara-Mohawk Power Corp Huntley	**1,728**	**13,158**	**1.80**	**7.42**	**156.0**	**41.06**
Pennsylvania	1,657	13,148	1.81	7.44	156.1	41.05
Armstrong	90	13,099	1.85	8.14	158.3	41.47
Greene	855	13,272	1.80	7.01	156.3	41.50
Indiana	127	13,267	1.84	6.85	141.2	37.45
Mercer	584	12,948	1.80	8.09	158.8	41.12

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Niagara-Mohawk Power Corp Huntley						
West Virginia	72	13,398	1.73	6.96	153.5	41.13
Monongalia	55	13,466	2.02	6.78	154.5	41.60
Nicholas	17	13,175	.75	7.55	150.2	39.59
Northern Indiana Pub Serv Co Bailly	**524**	**11,093**	**2.98**	**10.36**	**138.8**	**30.80**
Illinois	477	11,092	3.13	10.69	136.6	30.30
Perry	393	10,960	3.27	10.69	140.6	30.83
Saline	83	11,712	2.45	10.70	118.8	27.83
Indiana	18	10,948	2.88	9.41	125.9	27.57
Clay	18	10,948	2.88	9.41	125.9	27.57
Wyoming	29	11,210	.57	5.50	182.1	40.83
Carbon	29	11,210	.57	5.50	182.1	40.83
Northern Indiana Pub Serv Co Michigan City	**1,318**	**11,182**	**2.67**	**8.14**	**133.4**	**29.83**
Illinois	390	11,044	3.20	10.46	140.5	31.03
Franklin	46	11,412	2.61	9.88	111.1	25.36
Perry	344	10,994	3.28	10.54	144.6	31.79
Indiana	614	11,521	3.41	8.08	112.7	25.96
Pike	614	11,521	3.41	8.08	112.7	25.96
Wyoming	314	10,692	.53	5.37	168.1	35.94
Campbell	61	8,487	.33	4.76	108.4	18.40
Carbon	252	11,227	.58	5.51	179.0	40.20
Northern Indiana Pub Serv Co Mitchell	**1,027**	**9,566**	**.44**	**5.90**	**130.9**	**25.04**
Kentucky	95	12,691	.70	8.91	157.4	39.95
Letcher	17	12,707	.72	8.68	155.8	39.59
Perry	78	12,687	.69	8.96	157.8	40.03
West Virginia	162	12,811	.68	8.80	158.0	40.49
Kanawha	11	12,634	.63	9.80	169.6	42.85
Logan	111	12,865	.70	8.57	155.6	40.04
Mingo	40	12,708	.64	9.15	161.8	41.11
Wyoming	770	8,497	.35	4.91	117.3	19.94
Campbell	770	8,497	.35	4.91	117.3	19.94
Northern Indiana Pub Serv Co Rollin Schahfer	**3,446**	**11,231**	**1.65**	**8.52**	**167.0**	**37.51**
Colorado	689	11,311	.44	9.43	169.6	38.36
Delta	82	11,511	.42	7.26	175.1	40.31
Gunnison	137	11,707	.47	7.83	169.7	39.73
Routt	470	11,161	.43	10.27	168.5	37.61
Illinois	1,355	10,991	3.32	10.64	151.1	33.21
Perry	1,355	10,991	3.32	10.64	151.1	33.21
Indiana	24	11,498	2.62	8.10	152.2	35.00
Daviess	24	11,498	2.62	8.10	152.2	35.00
Kentucky	45	12,779	.73	8.60	157.1	40.15
Letcher	45	12,779	.73	8.60	157.1	40.15
West Virginia	143	13,023	.69	7.55	164.1	42.73
Boone	51	13,355	.73	6.00	160.1	42.75
Logan	63	12,952	.69	8.25	167.8	43.46
Mingo	30	12,608	.61	8.68	163.2	41.16
Wyoming	1,189	11,176	.58	5.70	184.5	41.24
Carbon	1,189	11,176	.58	5.70	184.5	41.24
Northern States Power Co Black Dog	**583**	**8,847**	**.27**	**4.99**	**126.5**	**22.39**
Wyoming	583	8,847	.27	4.99	126.5	22.39
Campbell	265	8,850	.23	4.79	114.0	20.18
Converse	318	8,844	.31	5.14	137.0	24.23
Northern States Power Co High Bridge	**310**	**8,801**	**.23**	**4.48**	**105.8**	**18.62**
Wyoming	310	8,801	.23	4.48	105.8	18.62
Campbell	310	8,801	.23	4.48	105.8	18.62
Northern States Power Co King	**1,695**	**8,827**	**.34**	**5.83**	**115.5**	**20.39**
Montana	302	8,700	.65	9.68	111.1	19.33
Big Horn	302	8,700	.65	9.68	111.1	19.33
Wyoming	1,392	8,855	.27	4.99	116.4	20.62
Campbell	670	8,842	.22	4.86	112.2	19.84
Converse	722	8,867	.32	5.11	120.4	21.35
Northern States Power Co Riverside	**1,017**	**8,785**	**.23**	**4.48**	**110.0**	**19.33**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Northern States Power Co Riverside						
Wyoming	1,017	8,785	0.23	4.48	110.0	19.33
Campbell	1,017	8,785	.23	4.48	110.0	19.33
Northern States Power Co Sherburne County	**8,658**	**8,733**	**.49**	**7.32**	**120.3**	**21.02**
Montana	4,981	8,698	.65	9.22	125.1	21.76
Big Horn	3,555	8,713	.63	9.34	116.8	20.36
Rosebud	1,426	8,661	.70	8.94	145.8	25.25
Wyoming	3,677	8,782	.28	4.75	114.0	20.02
Campbell	3,677	8,782	.28	4.75	114.0	20.02
Ohio Edison Co Burger	**997**	**12,041**	**3.31**	**11.28**	**119.9**	**28.88**
Ohio	779	12,087	3.52	11.21	111.8	27.02
Belmont	187	12,024	3.57	11.17	96.8	23.28
Harrison	59	12,099	3.38	12.16	99.3	24.03
Hocking	6	11,518	3.29	9.93	93.9	21.64
Jefferson	336	12,048	2.94	11.75	135.9	32.75
Monroe	190	12,237	4.53	10.01	88.7	21.72
Noble	1	11,347	3.45	14.60	105.3	23.90
Pennsylvania	194	12,095	2.64	11.89	153.2	37.06
Washington	194	12,095	2.64	11.89	153.2	37.06
West Virginia	12	11,703	3.54	11.84	100.0	23.40
Kanawha	3	11,448	3.24	13.52	104.3	23.89
Marshall	3	11,758	3.29	9.70	76.5	17.99
Ohio	6	11,781	3.79	12.21	109.8	25.86
Wyoming	12	8,570	.44	5.57	132.8	22.77
Campbell	12	8,570	.44	5.57	132.8	22.77
Ohio Edison Co Edgewater	**168**	**11,899**	**1.79**	**10.60**	**137.9**	**32.81**
Ohio	168	11,899	1.79	10.60	137.9	32.81
Carroll	17	11,753	.75	11.20	148.9	35.00
Columbiana	23	11,939	1.86	10.40	143.0	34.15
Guernsey	23	12,036	1.65	9.65	136.1	32.75
Jefferson	22	11,999	1.46	10.67	141.8	34.03
Mahoning	17	12,458	1.94	10.48	136.4	33.97
Tuscarawas	66	11,700	2.14	10.86	133.0	31.12
Ohio Edison Co Gorge Steam	**45**	**12,770**	**2.28**	**6.28**	**146.8**	**37.50**
Ohio	45	12,770	2.28	6.28	146.8	37.50
Columbiana	22	12,744	2.23	6.35	156.7	39.95
Harrison	15	13,019	2.32	6.46	140.7	36.64
Tuscarawas	7	12,312	2.36	5.69	128.8	31.71
Ohio Edison Co Niles	**557**	**11,882**	**2.78**	**11.41**	**111.4**	**26.47**
Ohio	433	11,891	2.83	11.05	112.5	26.75
Belmont	2	11,255	3.67	11.27	111.5	25.10
Carroll	4	11,813	4.49	10.40	109.0	25.75
Columbiana	136	12,016	2.72	10.06	113.1	27.19
Jefferson	148	11,896	2.71	11.79	112.2	26.70
Mahoning	79	11,948	3.12	12.60	113.0	27.00
Stark	5	11,819	3.71	9.76	105.7	24.98
Tuscarawas	59	11,546	2.79	9.52	111.9	25.84
Pennsylvania	124	11,849	2.59	12.70	107.5	25.46
Beaver	16	12,296	2.31	11.11	103.3	25.41
Butler	40	12,111	3.25	11.42	103.6	25.09
Lawrence	67	11,585	2.27	13.85	110.9	25.70
Ohio Edison Co Sammis	**5,325**	**12,332**	**1.72**	**11.02**	**132.3**	**32.63**
Kentucky	659	12,125	.80	10.70	130.4	31.62
Breathitt	6	11,983	.83	10.05	114.5	27.44
Floyd	36	11,980	.93	10.49	114.6	27.46
Martin	600	12,128	.79	10.75	131.6	31.92
Pike	17	12,416	.83	9.65	126.8	31.48
Ohio	1,313	12,045	2.77	11.83	120.3	28.98
Carroll	36	12,228	2.66	9.80	111.8	27.34
Columbiana	196	12,114	2.69	11.71	111.1	26.91
Harrison	277	12,129	3.34	11.66	101.2	24.56
Hocking	25	11,272	3.13	13.00	113.3	25.55
Jefferson	763	12,017	2.54	11.99	130.6	31.40
Stark	14	11,861	4.07	11.22	103.3	24.50
Tuscarawas	1	11,580	3.62	10.92	101.5	23.50

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Ohio Edison Co Sammis						
Pennsylvania	1,599	12,603	1.82	10.38	139.8	35.23
Fayette	1	12,994	2.46	7.50	115.4	29.99
Greene	1,503	12,646	1.77	10.25	141.9	35.89
Huntingdon	2	12,129	2.09	11.80	100.6	24.40
Washington	74	11,889	2.78	12.28	105.4	25.07
Westmoreland	12	11,911	2.38	14.49	98.7	23.50
Unknown	6	12,425	2.24	12.69	98.2	24.40
West Virginia	1,754	12,378	1.19	11.11	134.9	33.39
Boone	13	12,535	.78	10.07	138.2	34.65
Braxton	7	13,071	.89	6.00	141.3	36.94
Harrison	9	12,041	3.05	12.60	114.2	27.50
Kanawha	1,028	12,329	.79	11.38	136.6	33.68
Lincoln	12	12,039	.76	11.06	110.9	26.70
Logan	6	11,540	.70	11.60	119.1	27.49
Marion	9	12,347	2.63	12.00	111.3	27.50
Mingo	22	11,990	1.44	11.84	106.7	25.58
Monongalia	4	13,080	2.68	7.70	107.6	28.15
Nicholas	97	12,168	1.16	11.71	111.6	27.16
Ohio	70	11,750	2.90	12.35	111.9	26.30
Preston	475	12,646	1.77	10.25	141.9	35.89
Ohio Edison Co Toronto	**236**	**11,861**	**3.79**	**12.82**	**105.7**	**25.07**
Kentucky	2	11,945	1.20	11.27	112.8	26.95
Floyd	2	11,945	1.20	11.27	112.8	26.95
Ohio	222	11,825	3.97	12.91	105.8	25.02
Belmont	35	11,952	4.82	12.67	102.5	24.50
Carroll	10	11,833	3.90	10.95	109.5	25.91
Columbiana	3	12,316	3.05	11.70	109.8	27.05
Harrison	12	12,038	3.33	11.66	104.2	25.08
Jackson	4	11,659	3.51	14.27	99.5	23.19
Jefferson	150	11,790	3.90	13.28	106.5	25.11
Stark	9	11,538	3.35	11.23	106.2	24.50
West Virginia	13	12,474	.99	11.43	102.8	25.64
Kanawha	10	12,468	1.01	11.75	102.1	25.45
Nicholas	3	12,492	.91	10.40	105.1	26.26
Ohio Power Co Gavin	**6,727**	**11,337**	**3.35**	**12.64**	**166.3**	**37.70**
Ohio	6,445	11,290	3.38	12.76	166.5	37.59
Belmont	497	11,647	2.74	13.06	165.4	38.52
Meigs	5,888	11,259	3.44	12.75	167.3	37.67
Vinton	61	11,349	3.20	11.03	97.5	22.13
West Virginia	281	12,407	2.53	9.86	162.6	40.35
Brooke	281	12,407	2.53	9.86	162.6	40.35
Ohio Power Co Kammer	**1,940**	**12,225**	**4.39**	**12.42**	**134.2**	**32.81**
Pennsylvania	25	13,123	1.50	7.20	138.1	36.25
Greene	25	13,123	1.50	7.20	138.1	36.25
West Virginia	1,915	12,213	4.42	12.48	134.2	32.77
Marshall	1,915	12,213	4.42	12.48	134.2	32.77
Ohio Power Co Mitchell	**2,630**	**11,920**	**1.47**	**16.39**	**191.3**	**45.61**
West Virginia	2,630	11,920	1.47	16.39	191.3	45.61
Marion	2,630	11,920	1.47	16.39	191.3	45.61
Ohio Power Co Muskingum	**3,048**	**11,560**	**4.20**	**12.54**	**172.5**	**39.89**
Kentucky	91	12,065	.65	11.07	150.3	36.27
Johnson	17	11,987	.66	10.16	156.3	37.47
Magoffin	15	12,030	.67	10.13	154.4	37.14
Martin	51	12,121	.64	11.86	146.0	35.39
Unknown	8	11,940	.61	9.80	157.7	37.66
Ohio	2,661	11,479	4.72	12.66	176.1	40.43
Muskingum	292	11,479	4.72	12.66	176.1	40.43
Noble	2,368	11,479	4.72	12.66	176.1	40.43
West Virginia	296	12,136	.63	11.87	148.7	36.10
Boone	65	12,059	.70	10.34	157.0	37.85
Fayette	151	12,161	.61	12.44	144.9	35.24
Kanawha	64	12,161	.61	12.44	144.9	35.24
Logan	16	12,120	.62	10.50	166.6	40.38

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Ohio Power Co Tidd	**20**	**12,180**	**3.28**	**12.21**	**131.3**	**31.99**
Ohio	20	12,180	3.28	12.21	131.3	31.99
Jefferson	20	12,180	3.28	12.21	131.3	31.99
Ohio Valley Electric Corp Kyger Creek	**3,264**	**11,987**	**3.81**	**10.38**	**125.1**	**30.00**
Ohio	894	11,303	3.50	11.57	104.3	23.59
Belmont	39	12,342	4.12	10.17	98.9	24.41
Hocking	466	11,309	3.59	11.97	105.0	23.75
Jackson	389	11,193	3.34	11.22	104.1	23.30
Pennsylvania	45	13,008	1.53	6.17	133.5	34.72
Greene	45	13,008	1.53	6.17	133.5	34.72
Virginia	18	14,034	.88	4.66	142.5	40.00
Buchanan	18	14,034	.88	4.66	142.5	40.00
West Virginia	2,274	12,270	4.05	10.12	132.1	32.42
Marshall	2,259	12,264	4.06	10.14	132.1	32.40
Mingo	15	13,081	1.86	8.00	136.8	35.79
Wyoming	33	8,511	.30	4.70	144.9	24.66
Campbell	33	8,511	.30	4.70	144.9	24.66
Oklahoma Gas & Electric Co Muskogee	**4,615**	**9,015**	**.42**	**5.28**	**124.8**	**22.51**
Oklahoma	253	13,070	1.43	10.00	144.1	37.66
Craig	30	13,142	1.49	10.33	141.7	37.25
Haskell	73	13,319	1.35	9.37	138.9	36.99
Le Flore	101	12,771	1.51	10.56	146.5	37.42
Muskogee	42	13,345	1.33	9.56	149.5	39.90
Rogers	7	12,804	1.48	9.79	142.0	36.37
Wyoming	4,361	8,779	.37	5.01	123.2	21.63
Campbell	4,361	8,779	.37	5.01	123.2	21.63
Oklahoma Gas & Electric Co Sooner	**3,134**	**8,799**	**.39**	**5.07**	**123.3**	**21.70**
Oklahoma	29	12,147	3.76	11.98	129.1	31.36
Haskell	19	12,079	4.10	13.15	128.8	31.12
Muskogee	8	12,232	3.12	9.72	129.2	31.62
Rogers	2	12,428	3.14	9.78	130.6	32.46
Wyoming	3,105	8,768	.36	5.01	123.2	21.61
Campbell	3,105	8,768	.36	5.01	123.2	21.61
Omaha Public Power District Nebraska City	**2,353**	**8,322**	**.33**	**4.72**	**62.9**	**10.48**
Wyoming	2,353	8,322	.33	4.72	62.9	10.48
Campbell	2,353	8,322	.33	4.72	62.9	10.48
Omaha Public Power District North Omaha	**1,587**	**8,265**	**.37**	**5.05**	**64.5**	**10.66**
Wyoming	1,587	8,265	.37	5.05	64.5	10.66
Campbell	1,587	8,265	.37	5.05	64.5	10.66
Orange and Rockland Utils Inc Lovett	**711**	**13,045**	**.55**	**7.14**	**207.8**	**54.23**
Kentucky	315	13,107	.53	6.98	219.9	57.64
Pike	315	13,107	.53	6.98	219.9	57.64
West Virginia	396	12,996	.57	7.27	198.2	51.51
Mingo	396	12,996	.57	7.27	198.2	51.51
Orlando Utilities Comm Stanton Energy	**1,036**	**12,669**	**.77**	**8.68**	**194.0**	**49.16**
Kentucky	1,036	12,669	.77	8.68	194.0	49.16
Letcher	1,036	12,669	.77	8.68	194.0	49.16
Otter Tail Power Co Big Stone	**2,326**	**6,025**	**.87**	**9.04**	**113.3**	**13.65**
North Dakota	2,326	6,025	.87	9.04	113.3	13.65
Bowman	2,326	6,025	.87	9.04	113.3	13.65
Otter Tail Power Co Hoot Lake	**158**	**9,237**	**.28**	**3.89**	**131.6**	**24.32**
Montana	147	9,319	.27	3.82	130.4	24.31
Big Horn	147	9,319	.27	3.82	130.4	24.31
North Dakota	1	6,928	.81	7.31	177.7	24.62
Mercer	1	6,928	.81	7.31	177.7	24.62
Wyoming	10	8,269	.32	4.63	147.5	24.39
Campbell	10	8,269	.32	4.63	147.5	24.39
Owensboro City of Smith	**826**	**11,226**	**2.97**	**9.61**	**108.1**	**24.27**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Owensboro City of Smith						
Indiana	46	11,106	3.02	9.69	104.5	23.21
Daviess	16	10,645	3.19	12.71	114.3	24.33
Pike	30	11,357	2.93	8.05	99.5	22.60
Kentucky	780	11,233	2.96	9.61	108.3	24.34
Daviess	469	10,982	2.96	10.18	113.5	24.92
Hancock	3	10,656	3.19	12.20	114.5	24.40
Muhlenberg	132	11,578	3.15	9.32	95.6	22.13
Ohio	168	11,666	2.83	8.24	105.1	24.51
Union	8	11,438	2.86	8.50	99.4	22.74
PacifiCorp Carbon	**527**	**11,768**	**.46**	**8.66**	**89.9**	**21.15**
Utah	527	11,768	.46	8.66	89.9	21.15
Carbon	29	11,787	.73	9.13	94.0	22.16
Emery	498	11,767	.45	8.64	89.6	21.10
PacifiCorp Centralia	**4,890**	**8,003**	**.67**	**14.90**	**154.7**	**24.77**
Washington	4,890	8,003	.67	14.90	154.7	24.77
Lewis	2,222	7,994	.67	14.92	154.3	24.67
Thurston	2,668	8,011	.66	14.88	155.1	24.86
PacifiCorp Emery-Hunter	**4,099**	**11,303**	**.47**	**12.35**	**80.9**	**18.28**
Utah	4,099	11,303	.47	12.35	80.9	18.28
Emery	4,099	11,303	.47	12.35	80.9	18.28
PacifiCorp Huntington	**2,713**	**11,471**	**.42**	**12.30**	**89.3**	**20.49**
Utah	2,713	11,471	.42	12.30	89.3	20.49
Emery	2,713	11,471	.42	12.30	89.3	20.49
PacifiCorp Jim Bridger	**7,728**	**9,655**	**.62**	**9.55**	**105.3**	**20.34**
Wyoming	7,728	9,655	.62	9.55	105.3	20.34
Carbon	46	10,526	.35	6.40	74.1	15.60
Sweetwater	7,682	9,649	.62	9.57	105.5	20.37
PacifiCorp Johnston	**4,303**	**7,826**	**.40**	**9.63**	**60.4**	**9.46**
Wyoming	4,303	7,826	.40	9.63	60.4	9.46
Campbell	1,525	8,413	.34	5.43	46.0	7.75
Converse	2,778	7,503	.44	11.94	69.3	10.40
PacifiCorp Naughton	**2,210**	**9,820**	**.71**	**4.87**	**121.0**	**23.76**
Wyoming	2,210	9,820	.71	4.87	121.0	23.76
Lincoln	2,210	9,820	.71	4.87	121.0	23.76
PacifiCorp Wyodak	**1,712**	**7,928**	**.67**	**8.06**	**63.1**	**10.00**
Wyoming	1,712	7,928	.67	8.06	63.1	10.00
Campbell	1,712	7,928	.67	8.06	63.1	10.00
Painesville City of Painesville	**92**	**12,185**	**2.85**	**7.95**	**138.9**	**33.85**
Ohio	91	12,183	2.86	7.96	138.9	33.84
Columbiana	9	12,673	2.38	7.70	137.0	34.72
Tuscarawas	82	12,129	2.91	7.98	139.1	33.75
Pennsylvania	1	12,696	.96	5.92	134.9	34.25
Clarion	1	12,696	.96	5.92	134.9	34.25
Pennsylvania Electric Co Conemaugh	**4,533**	**12,484**	**2.19**	**13.79**	**140.6**	**35.11**
Pennsylvania	4,533	12,484	2.19	13.79	140.6	35.11
Armstrong	472	12,457	2.16	12.08	119.7	29.83
Cambria	166	12,357	2.15	14.12	116.9	28.90
Fayette	85	12,317	2.25	13.04	111.4	27.45
Greene	25	13,100	2.40	6.10	139.3	36.50
Indiana	2,493	12,472	2.16	14.40	161.7	40.34
Somerset	1,059	12,556	2.26	13.43	111.7	28.05
Westmoreland	233	12,418	2.20	13.18	116.5	28.92
Pennsylvania Electric Co Homer City	**5,321**	**11,789**	**1.77**	**17.45**	**152.1**	**35.85**
Pennsylvania	5,321	11,789	1.77	17.45	152.1	35.85
Allegheny	87	11,159	1.64	17.57	135.0	30.14
Armstrong	67	12,341	1.32	12.18	136.6	33.72
Butler	16	12,505	1.07	12.42	158.4	39.61
Cambria	357	11,790	.95	17.90	153.0	36.09

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pennsylvania Electric Co Homer City						
Pennsylvania						
Clearfield	126	12,619	0.81	11.43	145.2	36.66
Fayette	1	12,576	1.55	12.00	130.8	32.90
Indiana	3,786	11,542	2.07	19.18	153.1	35.34
Jefferson	119	12,471	.83	9.37	135.4	33.78
Somerset	742	12,781	1.04	11.47	154.4	39.47
Westmoreland	20	12,594	1.46	11.22	121.4	30.58
Pennsylvania Electric Co Keystone	**4,453**	**12,340**	**1.62**	**13.47**	**148.9**	**36.74**
Pennsylvania	4,453	12,340	1.62	13.47	148.9	36.74
Armstrong	2,666	12,338	1.62	13.47	149.0	36.76
Indiana	1,673	12,327	1.59	13.61	151.0	37.23
Venango	114	12,573	1.81	11.64	116.3	29.26
Pennsylvania Electric Co Seward	**563**	**12,087**	**1.55**	**13.82**	**108.7**	**26.27**
Pennsylvania	563	12,087	1.55	13.82	108.7	26.27
Armstrong	7	12,225	1.79	10.80	134.0	32.76
Butler	35	12,014	1.63	12.85	105.4	25.32
Cambria	65	11,853	1.58	14.60	105.1	24.93
Clearfield	26	12,047	1.47	14.30	110.4	26.60
Indiana	28	12,185	1.58	13.09	111.4	27.16
Somerset	370	12,136	1.54	13.93	109.0	26.45
Westmoreland	32	11,984	1.57	12.90	106.3	25.49
Pennsylvania Electric Co Shawville	**1,473**	**12,271**	**1.92**	**13.39**	**111.5**	**27.37**
Pennsylvania	1,473	12,271	1.92	13.39	111.5	27.37
Cambria	55	12,076	1.93	13.83	111.6	26.96
Clearfield	1,411	12,280	1.92	13.37	111.5	27.39
Somerset	7	12,025	1.95	14.00	111.6	26.84
Pennsylvania Electric Co Warren	**188**	**12,254**	**1.88**	**11.60**	**124.2**	**30.45**
Pennsylvania	188	12,254	1.88	11.60	124.2	30.45
Armstrong	3	11,947	1.87	13.90	113.8	27.19
Butler	51	12,070	1.93	11.96	121.8	29.41
Clarion	31	12,698	2.08	8.85	127.4	32.35
Clearfield	14	12,459	1.83	12.41	123.9	30.87
Elk	25	12,099	1.69	12.61	121.1	29.31
Indiana	3	12,331	1.92	12.50	127.6	31.47
Jefferson	61	12,209	1.82	11.94	126.2	30.83
Pennsylvania Power & Light Co Martins Creek	**547**	**12,710**	**1.99**	**12.07**	**208.3**	**52.94**
Pennsylvania	547	12,710	1.99	12.07	208.3	52.94
Greene	40	13,523	1.92	6.85	145.6	39.38
Indiana	497	12,634	2.01	12.59	214.7	54.24
Washington	10	13,202	1.24	6.90	160.7	42.43
Pennsylvania Power & Light Co Montour	**3,583**	**12,515**	**1.80**	**13.49**	**184.5**	**46.17**
Pennsylvania	3,583	12,515	1.80	13.49	184.5	46.17
Cambria	2,103	12,491	1.70	13.62	203.5	50.83
Clearfield	1,123	12,566	1.96	13.48	157.7	39.63
Indiana	257	12,466	1.90	12.54	159.8	39.85
Jefferson	100	12,564	1.88	13.30	150.0	37.70
Pennsylvania Power & Light Co Brunner Island	**3,443**	**12,459**	**1.85**	**13.58**	**189.9**	**47.32**
Pennsylvania	3,443	12,459	1.85	13.58	189.9	47.32
Cambria	374	12,596	1.89	12.35	150.9	38.01
Clearfield	1,024	12,453	2.03	14.08	187.3	46.66
Greene	110	13,366	1.72	7.16	139.5	37.30
Indiana	1,905	12,378	1.75	13.95	203.0	50.24
Jefferson	20	12,609	1.76	13.25	140.9	35.52
Washington	10	12,983	1.45	8.20	154.8	40.20
Pennsylvania Power & Light Co Holtwood	**225**	**8,425**	**.58**	**29.81**	**116.1**	**19.56**
Pennsylvania	225	8,425	.58	29.81	116.1	19.56
Carbon	1	10,991	.83	13.70	178.8	39.30
Chester	47	10,412	.47	15.31	156.7	32.64
Dauphin	2	11,151	.77	18.10	155.6	34.70
Northumberland	2	10,991	.90	16.30	170.2	37.40
Schuylkill	173	7,809	.61	34.13	99.3	15.51

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pennsylvania Power & Light Co Sunbury	**1,122**	**10,249**	**1.41**	**23.76**	**123.5**	**25.32**
Pennsylvania	1,122	10,249	1.41	23.76	123.5	25.32
Bedford	1	12,538	2.31	13.30	141.1	35.38
Carbon	59	7,741	.42	35.65	84.6	13.09
Centre	66	12,489	1.95	13.05	138.9	34.68
Clarion	9	12,711	2.35	9.41	133.6	33.95
Clearfield	517	12,148	2.00	15.22	145.3	35.31
Dauphin	1	10,894	.73	19.60	142.2	30.98
Fulton	8	12,502	2.03	13.09	138.8	34.69
Jefferson	9	11,691	1.96	19.27	118.1	27.62
Lycoming	1	12,838	.92	12.80	137.9	35.41
Northumberland	92	7,965	.93	30.53	75.7	12.06
Schuylkill	322	7,687	.66	36.12	84.7	13.02
Somerset	18	12,812	1.61	13.19	137.3	35.18
Sullivan	19	7,549	.52	39.19	77.0	11.62
Pennsylvania Power Co New Castle	**616**	**12,226**	**1.42**	**10.48**	**131.7**	**32.20**
Ohio	1	11,406	.62	12.10	144.8	33.03
Carroll	1	11,406	.62	12.10	144.8	33.03
Pennsylvania	615	12,228	1.42	10.47	131.7	32.20
Allegheny	1	12,346	1.40	11.40	117.9	29.11
Armstrong	86	12,223	1.40	10.72	135.6	33.14
Beaver	6	11,994	1.38	9.26	133.0	31.90
Butler	153	12,042	1.32	9.46	124.5	30.00
Lawrence	26	12,509	1.35	9.32	127.5	31.90
Mercer	303	12,298	1.46	11.09	136.5	33.57
Venango	16	12,124	1.73	10.55	110.7	26.83
Washington	23	12,351	1.49	9.75	120.3	29.72
Pennsylvania Power Co Bruce Mansfield	**5,303**	**12,155**	**3.99**	**11.67**	**162.2**	**39.43**
Ohio	891	12,160	3.97	11.56	160.6	39.05
Jefferson	249	12,166	4.02	11.59	162.2	39.46
Monroe	577	12,161	3.96	11.51	159.7	38.85
Tuscarawas	66	12,131	3.96	11.87	162.0	39.31
Pennsylvania	432	12,153	3.99	11.67	161.7	39.30
Beaver	59	12,172	3.90	11.30	157.9	38.44
Washington	373	12,150	4.00	11.72	162.3	39.44
West Virginia	3,980	12,154	3.99	11.70	162.6	39.53
Marshall	3,980	12,154	3.99	11.70	162.6	39.53
Philadelphia Electric Co Cromby	**99**	**13,231**	**1.86**	**7.02**	**163.7**	**43.32**
Pennsylvania	36	13,254	1.69	6.81	162.9	43.17
Washington	36	13,254	1.69	6.81	162.9	43.17
West Virginia	63	13,219	1.96	7.14	164.2	43.40
Barbour	21	12,993	1.56	7.97	169.0	43.92
Monongalia	42	13,331	2.16	6.73	161.8	43.14
Philadelphia Electric Co Eddystone	**485**	**13,209**	**1.73**	**7.63**	**168.5**	**44.53**
Kentucky	15	12,697	1.35	9.30	177.2	45.00
Clay	15	12,697	1.35	9.30	177.2	45.00
Pennsylvania	179	13,357	1.55	6.92	163.6	43.71
Clarion	15	12,809	2.32	9.39	154.1	39.47
Greene	7	13,480	1.89	7.08	156.0	42.06
Washington	157	13,403	1.46	6.68	164.8	44.19
West Virginia	291	13,145	1.87	7.98	171.2	45.00
Barbour	232	13,132	1.78	8.14	172.9	45.42
Monongalia	57	13,206	2.26	7.37	162.7	42.98
Webster	2	12,936	.93	7.00	208.9	54.05
Plains Elec Gen&Trans Coop Inc Escalante	**874**	**8,996**	**.66**	**18.66**	**131.2**	**23.62**
New Mexico	874	8,996	.66	18.66	131.2	23.62
Mckinley	874	8,996	.66	18.66	131.2	23.62
Platte River Power Authority Rawhide	**1,001**	**8,812**	**.31**	**5.42**	**75.7**	**13.33**
Wyoming	1,001	8,812	.31	5.42	75.7	13.33
Converse	1,001	8,812	.31	5.42	75.7	13.33
Portland General Electric Co Boardman	**1,719**	**8,429**	**.32**	**4.60**	**108.4**	**18.28**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Portland General Electric Co Boardman						
Wyoming	1,719	8,429	0.32	4.60	108.4	18.28
Campbell	1,719	8,429	.32	4.60	108.4	18.28
Potomac Edison Co Smith	**245**	**13,039**	**.99**	**10.43**	**140.7**	**36.69**
Maryland	203	13,024	.99	10.34	144.7	37.68
Allegany	57	12,450	.91	12.29	145.6	36.26
Garrett	146	13,249	1.02	9.57	144.3	38.24
Pennsylvania	43	13,111	.99	10.84	122.1	32.01
Huntingdon	1	11,004	.69	15.50	115.7	25.46
Somerset	42	13,157	.99	10.74	122.2	32.15
Potomac Electric Power Co Chalk	**1,370**	**12,565**	**1.78**	**12.54**	**177.8**	**44.68**
Maryland	239	12,828	1.65	12.03	178.9	45.90
Garrett	239	12,828	1.65	12.03	178.9	45.90
Pennsylvania	967	12,434	1.85	12.89	179.7	44.69
Cambria	409	12,349	1.87	12.71	182.5	45.08
Clearfield	302	12,316	1.87	13.16	185.5	45.68
Somerset	256	12,710	1.78	12.85	168.7	42.90
West Virginia	164	12,947	1.54	11.22	165.6	42.87
Grant	164	12,947	1.54	11.22	165.6	42.87
Potomac Electric Power Co Dickerson	**1,291**	**12,727**	**1.46**	**9.98**	**146.1**	**37.20**
West Virginia	1,291	12,727	1.46	9.98	146.1	37.20
Barbour	14	12,526	1.46	10.55	138.8	34.78
Grant	50	13,038	1.56	9.50	126.2	32.91
Nicholas	7	11,470	1.15	15.10	160.4	36.80
Preston	1,213	12,725	1.45	9.96	147.0	37.42
Upshur	7	12,502	1.30	10.60	138.2	34.56
Potomac Electric Power Co Morgantown	**2,327**	**12,747**	**1.67**	**12.02**	**177.0**	**45.11**
Maryland	946	12,905	1.59	11.49	177.8	45.88
Garrett	946	12,905	1.59	11.49	177.8	45.88
Pennsylvania	1,046	12,495	1.81	12.97	180.4	45.08
Cambria	424	12,447	1.88	12.84	181.3	45.12
Clearfield	393	12,439	1.78	13.02	185.5	46.15
Somerset	228	12,681	1.73	13.11	170.3	43.18
West Virginia	335	13,090	1.46	10.58	164.4	43.03
Grant	335	13,090	1.46	10.58	164.4	43.03
Potomac Electric Power Co Potomac River	**899**	**12,874**	**.80**	**8.12**	**177.6**	**45.73**
Kentucky	251	12,978	.78	7.55	174.4	45.28
Martin	21	12,814	.62	6.62	177.0	45.36
Pike	230	12,993	.79	7.63	174.2	45.27
Virginia	256	12,836	.87	8.78	183.2	47.03
Buchanan	12	12,180	.87	10.43	181.8	44.28
Wise	244	12,868	.87	8.70	183.3	47.17
West Virginia	391	12,831	.77	8.05	176.0	45.17
Mingo	389	12,828	.77	8.06	176.1	45.17
Nicholas	2	13,564	.65	5.30	167.0	45.30
Public Service Co of Colorado Comanche	**2,291**	**8,520**	**.33**	**4.72**	**120.2**	**20.49**
Wyoming	2,291	8,520	.33	4.72	120.2	20.49
Campbell	2,291	8,520	.33	4.72	120.2	20.49
Public Service Co of Colorado Pawnee	**2,027**	**8,312**	**.31**	**4.44**	**113.5**	**18.86**
Wyoming	2,027	8,312	.31	4.44	113.5	18.86
Campbell	2,027	8,312	.31	4.44	113.5	18.86
Public Service Co of Colorado Valmont	**437**	**10,946**	**.48**	**9.29**	**107.4**	**23.52**
Colorado	437	10,946	.48	9.29	107.4	23.52
Moffat	43	10,172	.44	9.87	105.9	21.54
Routt	394	11,031	.48	9.23	107.6	23.74
Public Service Co of Colorado Cameo	**228**	**11,354**	**.57**	**9.04**	**98.3**	**22.32**
Colorado	228	11,354	.57	9.04	98.3	22.32
Delta	3	11,694	.39	5.48	98.9	23.13
Gunnison	4	12,154	.49	7.91	96.1	23.36
Mesa	222	11,337	.57	9.10	98.3	22.29

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant / Origin State / County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Public Service Co of Colorado Cherokee	**1,956**	**10,969**	**0.41**	**9.06**	**116.2**	**25.48**
Colorado	1,956	10,969	.41	9.06	116.2	25.48
Gunnison	169	11,707	.47	7.87	140.1	32.81
Moffat	626	10,528	.39	7.62	115.9	24.41
Routt	1,161	11,099	.42	10.00	112.6	24.99
Public Service Co of Colorado Arapahoe	**463**	**10,884**	**.47**	**8.90**	**112.2**	**24.42**
Colorado	463	10,884	.47	8.90	112.2	24.42
Fremont	20	10,508	.62	8.57	112.9	23.72
Moffat	109	10,464	.40	7.92	109.2	22.85
Routt	333	11,045	.48	9.25	113.1	24.97
Public Service Co of IN Inc Gibson Station	**7,360**	**10,879**	**2.36**	**10.58**	**159.8**	**34.76**
Illinois	5,859	10,705	2.41	11.09	168.1	35.99
Clinton	2,486	10,694	3.49	8.50	174.7	37.35
Wabash	3,373	10,713	1.62	13.00	163.3	34.99
Indiana	1,236	11,376	2.45	8.16	128.4	29.22
Daviess	159	11,354	.97	7.74	108.7	24.68
Pike	1,077	11,379	2.67	8.22	131.3	29.89
Kentucky	99	12,445	.82	10.17	138.5	34.48
Floyd	73	12,423	.84	10.51	140.5	34.91
Martin	20	12,709	.74	8.00	134.7	34.25
Perry	5	11,738	.78	13.70	124.6	29.25
West Virginia	166	12,402	.72	10.96	132.3	32.82
Boone	86	12,593	.74	9.98	129.1	32.50
Kanawha	29	12,331	.67	12.68	141.4	34.87
Mingo	25	12,622	.74	9.60	141.9	35.81
Wayne	26	11,621	.65	13.65	123.0	28.60
Public Service Co of IN Inc Gallagher	**1,143**	**11,193**	**2.30**	**8.39**	**127.6**	**28.57**
Illinois	29	12,829	2.74	8.57	105.1	26.96
Gallatin	29	12,829	2.74	8.57	105.1	26.96
Indiana	856	11,030	2.24	8.31	135.0	29.78
Daviess	110	11,181	2.12	8.51	112.9	25.24
Dubois	20	11,125	1.59	9.00	113.5	25.25
Perry	13	10,853	2.27	10.61	98.3	21.33
Spencer	16	11,189	2.11	8.68	106.6	23.85
Warrick	697	11,003	2.28	8.20	140.5	30.91
Kentucky	258	11,547	2.43	8.63	107.3	24.77
Daviess	90	11,085	2.37	9.90	103.9	23.04
Hopkins	20	11,619	2.45	9.20	107.4	24.96
Ohio	58	11,477	2.28	8.63	101.1	23.21
Union	90	12,040	2.59	7.22	114.1	27.48
Public Service Co of IN Inc Cayuga	**2,437**	**10,851**	**2.18**	**10.64**	**123.3**	**26.75**
Illinois	116	11,176	2.24	8.23	116.9	26.12
Douglas	116	11,176	2.24	8.23	116.9	26.12
Indiana	2,320	10,835	2.17	10.76	123.6	26.78
Clay	54	11,252	2.12	7.53	113.7	25.58
Daviess	194	11,075	2.06	10.04	115.8	25.64
Greene	15	10,895	1.69	9.20	103.3	22.51
Sullivan	521	10,811	2.09	10.63	124.6	26.94
Vermillion	1,535	10,797	2.22	11.02	124.8	26.95
Public Service Co of IN Inc Edwardsport	**73**	**11,073**	**2.40**	**10.73**	**90.3**	**20.00**
Indiana	73	11,073	2.40	10.73	90.3	20.00
Daviess	40	11,076	2.49	10.96	93.2	20.65
Greene	32	11,075	2.29	10.42	86.7	19.21
Sullivan	*	10,554	2.51	11.90	84.2	17.77
Public Service Co of IN Inc Wabash River	**1,424**	**10,952**	**2.06**	**10.03**	**123.8**	**27.12**
Illinois	2	11,161	2.22	8.50	115.4	25.76
Douglas	2	11,161	2.22	8.50	115.4	25.76
Indiana	1,421	10,952	2.06	10.03	123.8	27.12
Clay	37	11,095	2.13	8.21	109.5	24.31
Daviess	95	11,145	2.08	9.46	112.1	24.99
Greene	47	10,962	2.12	10.04	111.5	24.44
Sullivan	1,206	10,929	2.08	10.16	125.8	27.49
Vigo	36	11,043	1.15	9.06	122.4	27.03

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Public Service Co of IN Inc Noblesville	**99**	**11,181**	**2.28**	**9.42**	**117.8**	**26.34**
Indiana	95	11,226	2.31	9.40	118.6	26.63
Clay	8	11,395	2.07	7.75	134.0	30.53
Daviess	39	11,315	2.19	9.42	123.8	28.03
Sullivan	48	11,126	2.46	9.64	111.8	24.87
Kentucky	4	10,020	1.50	9.90	94.3	18.90
Daviess	4	10,020	1.50	9.90	94.3	18.90
Public Service Co of NH Merrimack	**960**	**13,286**	**1.71**	**6.63**	**173.8**	**46.18**
Pennsylvania	740	13,249	1.51	6.57	176.2	46.68
Greene	740	13,249	1.51	6.57	176.2	46.68
West Virginia	220	13,411	2.41	6.82	165.9	44.48
Monongalia	220	13,411	2.41	6.82	165.9	44.48
Public Service Co of NH Schiller	**325**	**13,132**	**.58**	**5.86**	**176.2**	**46.28**
West Virginia	117	13,384	.69	6.24	180.6	48.34
Boone	116	13,390	.69	6.19	180.8	48.42
Webster	2	12,900	.83	10.50	164.7	42.49
Imported	207	12,989	.52	5.65	173.6	45.10
Imported Coal	207	12,989	.52	5.65	173.6	45.10
Public Service Co of NM San Juan	**4,336**	**9,604**	**.84**	**23.10**	**185.0**	**35.53**
New Mexico	4,336	9,604	.84	23.10	185.0	35.53
San Juan	4,336	9,604	.84	23.10	185.0	35.53
Public Service Co of Oklahoma Northeastern	**3,566**	**8,795**	**.46**	**5.73**	**160.1**	**28.16**
Oklahoma	20	11,880	.57	8.72	146.3	34.76
Craig	20	11,880	.57	8.72	146.3	34.76
Wyoming	3,546	8,777	.46	5.71	160.2	28.12
Campbell	3,546	8,777	.46	5.71	160.2	28.12
Public Service Electric&Gas Co Hudson	**511**	**13,043**	**.80**	**7.81**	**184.0**	**48.01**
Kentucky	25	13,096	.80	7.46	170.0	44.53
Perry	17	13,111	.81	7.64	168.5	44.18
Pike	8	13,063	.76	7.10	173.2	45.25
West Virginia	486	13,040	.80	7.83	184.7	48.18
Boone	132	13,130	.77	7.05	184.7	48.51
Logan	41	12,676	.73	8.56	184.1	46.68
Mingo	8	12,860	.73	8.20	181.7	46.73
Nicholas	37	13,097	.84	8.75	181.9	47.64
Webster	269	13,049	.82	7.97	185.3	48.37
Public Service Electric&Gas Co Mercer	**735**	**14,182**	**.82**	**4.55**	**177.9**	**50.46**
Kentucky	*	13,063	.75	7.10	164.6	43.00
Pike	*	13,063	.75	7.10	164.6	43.00
Virginia	735	14,183	.82	4.55	177.9	50.46
Buchanan	694	14,193	.82	4.46	178.0	50.51
Russell	41	14,005	.86	6.07	176.9	49.54
West Virginia	*	12,860	.73	8.20	177.0	45.52
Mingo	*	12,860	.73	8.20	177.0	45.52
Richmond City of Whitewater	**245**	**11,458**	**2.60**	**8.97**	**157.4**	**36.08**
Indiana	197	11,391	2.68	8.85	163.5	37.26
Daviess	197	11,391	2.68	8.85	163.5	37.26
Kentucky	10	11,964	.89	9.73	126.6	30.30
Perry	5	12,180	.88	11.03	125.4	30.54
Unknown	5	11,768	.91	8.55	127.8	30.08
Ohio	38	11,670	2.65	9.36	135.0	31.51
Perry	38	11,670	2.65	9.36	135.0	31.51
Rochester City of Silver Lake	**70**	**11,634**	**1.68**	**7.44**	**158.0**	**36.78**
Illinois	53	12,017	1.80	7.56	160.9	38.67
Hamilton	9	12,229	1.40	6.25	174.0	42.56
Saline	44	11,972	1.88	7.83	158.1	37.86
Pennsylvania	4	13,305	1.43	7.04	160.5	42.71
Washington	4	13,305	1.43	7.04	160.5	42.71
Wyoming	13	9,413	1.28	7.09	141.2	26.58
Campbell	13	9,413	1.28	7.09	141.2	26.58
Rochester Gas & Electric Corp Rochester 3	**180**	**13,265**	**2.17**	**7.41**	**158.2**	**41.96**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Rochester Gas & Electric Corp Rochester 3						
Pennsylvania	94	13,161	1.95	7.47	158.2	41.65
Clarion	26	12,871	2.15	8.79	159.0	40.93
Greene	50	13,253	1.97	6.92	155.1	41.10
Washington	16	13,316	1.49	6.99	166.9	44.44
West Virginia	85	13,379	2.41	7.35	158.1	42.30
Marion	24	13,404	2.64	7.78	156.6	41.98
Monongalia	61	13,369	2.31	7.18	158.7	42.43
Rochester Gas & Electric Corp Rochester 7	**476**	**13,213**	**2.21**	**7.35**	**157.8**	**41.71**
Pennsylvania	239	13,088	1.98	7.37	157.0	41.09
Clarion	60	12,734	2.17	8.92	160.8	40.96
Greene	127	13,157	1.89	6.78	154.1	40.55
Washington	45	13,306	1.87	6.84	160.2	42.63
West Virginia	237	13,340	2.45	7.34	158.7	42.33
Marion	58	13,308	2.72	8.00	157.8	42.00
Monongalia	179	13,350	2.36	7.12	158.9	42.44
Salt River Proj Ag I & P Dist Coronado	**2,006**	**9,669**	**.53**	**14.70**	**209.6**	**40.54**
New Mexico	2,006	9,669	.53	14.70	209.6	40.54
Mckinley	2,006	9,669	.53	14.70	209.6	40.54
Salt River Proj Ag I & P Dist Navajo	**7,869**	**11,017**	**.51**	**8.91**	**102.2**	**22.53**
Arizona	7,869	11,017	.51	8.91	102.2	22.53
Navajo	7,869	11,017	.51	8.91	102.2	22.53
San Antonio City of J T Deely	**3,931**	**8,398**	**.34**	**5.82**	**126.6**	**21.27**
Wyoming	3,931	8,398	.34	5.82	126.6	21.27
Campbell	3,931	8,398	.34	5.82	126.6	21.27
San Miguel Electric Coop Inc San Miguel	**3,076**	**5,420**	**1.84**	**24.58**	**92.0**	**9.97**
Texas	3,076	5,420	1.84	24.58	92.0	9.97
Atascosa	3,076	5,420	1.84	24.58	92.0	9.97
Savannah Electric & Power Inc Mcintosh	**118**	**12,323**	**1.29**	**9.83**	**153.4**	**37.81**
Kentucky	118	12,323	1.29	9.83	153.4	37.81
Harlan	47	12,307	1.28	9.87	154.9	38.13
Leslie	34	12,738	1.28	8.06	149.0	37.95
Letcher	28	12,040	1.46	11.57	153.5	36.97
Perry	9	11,711	.85	10.80	163.7	38.34
Savannah Electric & Power Inc Port Wentworth	**189**	**12,646**	**.87**	**9.63**	**165.3**	**41.82**
Kentucky	10	12,308	.97	10.84	167.7	41.27
Bell	2	11,723	.96	15.96	160.2	37.55
Letcher	6	12,314	1.00	10.60	167.2	41.18
Pike	2	12,812	.87	7.03	175.2	44.89
Virginia	179	12,665	.87	9.55	165.2	41.85
Dickenson	2	11,986	1.00	12.40	150.0	35.96
Lee	114	12,693	.83	9.20	166.1	42.17
Wise	62	12,640	.94	10.09	164.1	41.48
Seminole Electric Coop Inc Seminole	**3,282**	**12,118**	**2.74**	**8.54**	**202.3**	**49.04**
Illinois	1,352	11,692	2.84	7.33	217.3	50.81
White	1,352	11,692	2.84	7.33	217.3	50.81
Kentucky	1,863	12,408	2.71	9.34	193.5	48.03
Bell	43	12,166	1.95	11.01	163.0	39.67
Harlan	176	12,907	1.20	8.37	155.7	40.20
Hopkins	122	11,720	2.98	10.01	186.1	43.62
Webster	1,522	12,412	2.89	9.36	199.5	49.52
Virginia	41	12,824	1.85	10.26	159.8	41.00
Dickenson	41	12,824	1.85	10.26	159.8	41.00
West Virginia	26	12,417	.98	11.14	171.0	42.45
Logan	26	12,417	.98	11.14	171.0	42.45
Sierra Pacific Power Co North Valmy	**1,346**	**10,766**	**.41**	**8.29**	**196.1**	**42.22**
Utah	877	11,356	.37	8.12	193.8	44.02
Sevier	877	11,356	.37	8.12	193.8	44.02

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Sierra Pacific Power Co North Valmy						
Wyoming	469	9,662	0.48	8.60	201.0	38.85
Sweetwater	469	9,662	.48	8.60	201.0	38.85
Sikeston City of Sikeston	**745**	**11,650**	**2.51**	**10.74**	**139.1**	**32.40**
Illinois	735	11,666	2.54	10.77	139.1	32.45
Saline	735	11,666	2.54	10.77	139.1	32.45
Wyoming	10	10,398	.38	8.30	139.4	28.99
Carbon	10	10,398	.38	8.30	139.4	28.99
South Carolina Electric&Gas Co Canadys	**566**	**12,868**	**1.32**	**8.39**	**163.2**	**42.01**
Kentucky	500	12,841	1.30	8.36	163.1	41.89
Harlan	131	12,765	1.22	8.72	163.2	41.67
Leslie	271	12,866	1.38	8.40	164.5	42.33
Perry	9	12,780	.79	7.13	166.4	42.54
Pike	88	12,885	1.21	7.81	158.2	40.78
Virginia	66	13,067	1.49	8.65	164.2	42.90
Dickenson	66	13,067	1.49	8.65	164.2	42.90
South Carolina Electric&Gas Co Mcmeekin	**571**	**12,950**	**1.37**	**8.92**	**158.0**	**40.92**
Kentucky	266	12,728	1.21	9.03	153.7	39.11
Harlan	8	12,787	1.34	9.50	142.8	36.52
Leslie	79	12,773	1.29	8.63	163.2	41.69
Perry	*	12,812	.87	7.60	164.7	42.19
Pike	179	12,705	1.17	9.18	149.9	38.09
Virginia	305	13,143	1.51	8.83	161.7	42.49
Dickenson	305	13,143	1.51	8.83	161.7	42.49
South Carolina Electric&Gas Co Urguhart	**376**	**12,879**	**1.29**	**8.42**	**162.8**	**41.94**
Kentucky	202	12,786	1.18	7.86	161.4	41.28
Harlan	14	13,157	1.10	7.60	168.8	44.42
Leslie	28	12,741	1.25	8.70	163.8	41.74
Pike	159	12,760	1.17	7.73	160.3	40.91
Virginia	174	12,986	1.42	9.06	164.4	42.70
Dickenson	174	12,986	1.42	9.06	164.4	42.70
South Carolina Electric&Gas Co Wateree	**1,223**	**12,881**	**1.17**	**8.81**	**156.6**	**40.34**
Kentucky	859	12,840	1.11	8.75	156.6	40.22
Harlan	386	12,838	1.24	8.70	159.8	41.03
Leslie	36	12,841	1.26	8.56	163.9	42.08
Perry	90	12,963	.86	7.78	166.3	43.11
Pike	347	12,810	1.01	9.08	149.8	38.38
Virginia	353	12,961	1.31	9.04	156.0	40.43
Wise	353	12,961	1.31	9.04	156.0	40.43
West Virginia	10	13,550	1.37	6.40	176.2	47.74
Mingo	10	13,550	1.37	6.40	176.2	47.74
South Carolina Electric&Gas Co Williams	**1,485**	**12,840**	**.97**	**8.31**	**165.6**	**42.53**
Kentucky	1,485	12,840	.97	8.31	165.6	42.53
Bell	18	12,885	1.01	7.70	164.3	42.34
Harlan	483	12,757	1.17	8.98	168.8	43.06
Perry	857	12,913	.85	7.86	165.4	42.72
Pike	128	12,662	.99	8.91	154.9	39.24
South Carolina Pub Serv Auth Cross	**1,436**	**12,439**	**1.18**	**9.68**	**163.4**	**40.66**
Kentucky	1,433	12,438	1.18	9.69	163.5	40.67
Breathitt	9	11,722	1.02	9.03	135.7	31.80
Harlan	858	12,463	1.18	9.60	180.7	45.04
Leslie	401	12,484	1.14	9.65	139.0	34.72
Letcher	88	12,287	1.57	11.25	132.7	32.60
Perry	76	12,184	.93	9.03	136.1	33.16
West Virginia	3	13,026	.62	7.11	137.2	35.75
Greenbrier	3	13,026	.62	7.11	137.2	35.75
South Carolina Pub Serv Auth Grainger	**98**	**13,443**	**2.00**	**8.70**	**158.4**	**42.60**
Kentucky	98	13,443	2.00	8.70	158.4	42.60
Harlan	5	12,289	2.31	15.24	149.7	36.79
Pike	93	13,508	1.98	8.34	158.9	42.92
South Carolina Pub Serv Auth Jefferies	**580**	**12,263**	**1.74**	**10.62**	**156.3**	**38.34**

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
South Carolina Pub Serv Auth Jefferies						
Kentucky	580	12,263	1.74	10.62	156.3	38.34
Harlan	77	12,811	1.41	8.51	142.5	36.52
Leslie	368	12,134	1.81	10.85	166.7	40.45
Letcher	136	12,298	1.76	11.22	136.9	33.67
South Carolina Pub Serv Auth Winyah	**2,526**	**12,745**	**1.13**	**9.23**	**163.8**	**41.75**
Kentucky	2,511	12,740	1.13	9.23	163.9	41.75
Bell	64	12,342	.99	10.48	152.7	37.69
Harlan	1,982	12,779	1.13	9.04	167.1	42.70
Leslie	273	12,459	1.15	10.23	160.4	39.97
Letcher	92	12,721	1.25	9.78	134.7	34.27
Perry	9	12,072	.97	10.64	136.0	32.85
Pike	91	13,095	1.08	9.03	143.6	37.60
Virginia	16	13,516	.92	8.14	154.4	41.73
Dickenson	9	13,362	.73	8.18	151.8	40.58
Wise	7	13,706	1.16	8.09	157.4	43.15
South Mississippi EL Pwr Assn R D Morrow	**795**	**12,406**	**.98**	**9.04**	**205.4**	**50.96**
Kentucky	795	12,406	.98	9.04	205.4	50.96
Pike	795	12,406	.98	9.04	205.4	50.96
Southern California Edison Co Mohave	**5,062**	**10,953**	**.49**	**10.21**	**111.5**	**24.43**
Arizona	5,062	10,953	.49	10.21	111.5	24.43
Navajo	5,062	10,953	.49	10.21	111.5	24.43
Southern Illinois Power Coop Marion	**595**	**10,316**	**2.76**	**17.64**	**86.1**	**17.76**
Illinois	571	10,305	2.80	17.94	86.6	17.84
Franklin	5	10,111	2.27	18.08	65.8	13.30
Gallatin	182	10,400	3.51	19.82	82.2	17.10
Jefferson	50	8,630	1.95	22.61	54.5	9.40
Saline	11	9,246	2.61	22.55	59.3	10.97
Williamson	305	10,536	2.57	16.26	95.6	20.14
Unknown	18	10,771	2.05	11.48	71.0	15.29
Kentucky	22	10,760	2.04	10.87	70.7	15.22
Union	22	10,760	2.04	10.87	70.7	15.22
Wyoming	2	8,639	.38	7.35	136.7	23.62
Campbell	2	8,639	.38	7.35	136.7	23.62
Southern Indiana Gas & Elec Co A B Brown	**1,095**	**11,567**	**3.44**	**8.12**	**154.7**	**35.79**
Indiana	1,095	11,567	3.44	8.12	154.7	35.79
Pike	1,095	11,567	3.44	8.12	154.7	35.79
Southern Indiana Gas & Elec Co Culley	**1,026**	**11,064**	**2.32**	**8.47**	**154.0**	**34.09**
Illinois	115	11,392	1.35	6.51	159.7	36.39
Wabash	115	11,392	1.35	6.51	159.7	36.39
Indiana	911	11,023	2.44	8.72	153.3	33.79
Knox	49	10,932	1.30	9.64	138.2	30.21
Pike	79	11,112	1.26	7.96	119.3	26.51
Warrick	783	11,020	2.64	8.74	157.7	34.75
Southern Indiana Gas & Elec Co Warrick	**437**	**11,050**	**2.86**	**8.77**	**117.0**	**25.85**
Indiana	437	11,050	2.86	8.77	117.0	25.85
Warrick	437	11,050	2.86	8.77	117.0	25.85
Southwestern Electric Power Co Flint Creek	**1,678**	**8,359**	**.32**	**4.56**	**153.8**	**25.71**
Wyoming	1,678	8,359	.32	4.56	153.8	25.71
Campbell	1,678	8,359	.32	4.56	153.8	25.71
Southwestern Electric Power Co Pirkey	**2,810**	**6,695**	**1.76**	**11.97**	**133.4**	**17.86**
Texas	2,810	6,695	1.76	11.97	133.4	17.86
Harrison	2,810	6,695	1.76	11.97	133.4	17.86
Southwestern Electric Power Co Welsh Station	**4,892**	**8,369**	**.33**	**4.61**	**203.3**	**34.03**
Wyoming	4,892	8,369	.33	4.61	203.3	34.03
Campbell	4,892	8,369	.33	4.61	203.3	34.03
Southwestern Public Service Co Harrington	**4,095**	**8,796**	**.34**	**4.99**	**157.5**	**27.71**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Southwestern Public Service Co Harrington						
Wyoming	4,095	8,796	0.34	4.99	157.5	27.71
Campbell	4,095	8,796	.34	4.99	157.5	27.71
Southwestern Public Service Co Tolk	**3,681**	**8,721**	**.35**	**5.00**	**189.2**	**33.00**
Wyoming	3,681	8,721	.35	5.00	189.2	33.00
Campbell	3,681	8,721	.35	5.00	189.2	33.00
Springfield City of (MO) James River	**169**	**11,549**	**2.30**	**8.55**	**135.3**	**31.26**
Illinois	169	11,549	2.30	8.55	135.3	31.26
Franklin	169	11,549	2.30	8.55	135.3	31.26
Springfield City of (MO) Southwest	**499**	**11,606**	**2.36**	**8.64**	**136.1**	**31.58**
Illinois	499	11,606	2.36	8.64	136.1	31.58
Franklin	499	11,606	2.36	8.64	136.1	31.58
Springfield City of (IL) Dallman	**928**	**10,385**	**2.94**	**9.39**	**135.5**	**28.13**
Illinois	928	10,385	2.94	9.39	135.5	28.13
Logan	928	10,385	2.94	9.39	135.5	28.13
Springfield City of (IL) Lakeside	**61**	**10,433**	**2.95**	**9.26**	**138.5**	**28.89**
Illinois	61	10,433	2.95	9.26	138.5	28.89
Logan	61	10,433	2.95	9.26	138.5	28.89
St Joseph Light and Power Co Lakeroad	**195**	**11,953**	**3.43**	**12.41**	**139.4**	**33.33**
Kansas	179	11,957	3.67	12.77	137.8	32.96
Crawford	179	11,957	3.67	12.77	137.8	32.96
Missouri	2	11,105	2.44	12.57	141.4	31.41
Vernon	2	11,105	2.44	12.57	141.4	31.41
New Mexico	8	12,769	.53	9.62	167.2	42.70
Colfax	8	12,769	.53	9.62	167.2	42.70
Wyoming	7	11,180	.72	6.21	148.6	33.22
Carbon	7	11,180	.72	6.21	148.6	33.22
Sunflower Electric Power Corp Holcomb Unit #1	**1,297**	**8,470**	**.35**	**4.99**	**103.3**	**17.50**
Wyoming	1,297	8,470	.35	4.99	103.3	17.50
Campbell	1,297	8,470	.35	4.99	103.3	17.50
Tampa Electric Co Big Bend	**5,800**	**12,211**	**2.34**	**7.97**	**185.7**	**45.34**
Illinois	1,113	11,046	2.95	9.16	193.5	42.74
Perry	1,113	11,046	2.95	9.16	193.5	42.74
Indiana	164	11,067	2.91	8.63	110.7	24.51
Spencer	29	11,191	3.37	8.40	110.3	24.69
Warrick	135	11,040	2.81	8.68	110.8	24.47
Kentucky	3,889	12,461	2.20	7.76	182.4	45.46
Daviess	91	11,578	2.81	9.63	112.4	26.03
Hopkins	54	12,123	2.60	6.30	133.3	32.32
Knott	349	12,942	1.31	7.13	171.4	44.36
Muhlenberg	266	11,776	2.76	8.43	125.4	29.53
Ohio	184	11,888	2.97	7.77	141.3	33.60
Union	1,309	12,307	2.85	8.59	166.7	41.04
Webster	449	12,582	2.89	8.16	162.5	40.89
Whitley	1,186	12,770	1.19	6.63	234.4	59.88
Pennsylvania	3	13,004	1.46	6.90	127.5	33.16
Greene	3	13,004	1.46	6.90	127.5	33.16
Tennessee	158	12,795	1.18	6.54	218.2	55.84
Campbell	145	12,802	1.18	6.48	218.2	55.86
Claiborne	13	12,718	1.22	7.15	218.6	55.61
West Virginia	450	13,261	2.40	7.48	206.5	54.77
Monongalia	450	13,261	2.40	7.48	206.5	54.77
Imported	24	9,815	.07	1.20	227.3	44.62
Imported Coal	24	9,815	.07	1.20	227.3	44.62
Tampa Electric Co Gannon	**604**	**12,720**	**1.20**	**6.65**	**233.0**	**59.28**
Kentucky	604	12,720	1.20	6.65	233.0	59.28
Whitley	604	12,720	1.20	6.65	233.0	59.28
Tennessee Valley Authority Allen	**1,294**	**12,075**	**2.04**	**8.66**	**123.1**	**29.72**

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Tennessee Valley Authority Allen						
Illinois	533	12,042	1.94	8.62	119.4	28.75
Gallatin	355	12,047	1.85	8.47	119.1	28.69
Saline	105	12,239	2.08	9.35	121.3	29.69
Williamson	73	11,734	2.16	8.30	118.2	27.73
Kentucky	761	12,098	2.12	8.69	125.6	30.40
Butler	163	11,767	2.06	7.35	114.3	26.90
Daviess	128	11,418	1.90	8.77	119.9	27.37
Webster	470	12,399	2.20	9.13	130.8	32.44
Tennessee Valley Authority Bull Run	**1,929**	**12,764**	**1.11**	**8.64**	**123.2**	**31.45**
Kentucky	1,929	12,764	1.11	8.64	123.2	31.45
Bell	586	12,619	1.24	9.54	123.7	31.23
Harlan	1,233	12,815	1.07	8.33	123.0	31.53
Letcher	110	12,961	.99	7.23	122.2	31.68
Tennessee Valley Authority Colbert	**3,012**	**11,795**	**1.40**	**10.80**	**132.0**	**31.13**
Illinois	1,030	11,308	1.85	9.10	126.7	28.66
Franklin	1,030	11,308	1.85	9.10	126.7	28.66
Kentucky	266	11,992	1.12	9.20	135.4	32.46
Johnson	266	11,992	1.12	9.20	135.4	32.46
Ohio	158	11,624	2.00	12.60	117.9	27.40
Belmont	158	11,624	2.00	12.60	117.9	27.40
Tennessee	577	12,262	1.13	12.61	129.0	31.64
Grundy	28	11,871	.88	12.55	135.0	32.06
Sequatchie	549	12,282	1.14	12.61	128.7	31.61
West Virginia	979	12,007	1.06	11.66	140.2	33.67
Kanawha	593	11,907	.91	12.66	140.7	33.51
Mingo	386	12,162	1.30	10.13	139.4	33.91
Tennessee Valley Authority Cumberland	**5,647**	**11,576**	**2.75**	**7.99**	**125.6**	**29.07**
Illinois	227	11,426	2.54	8.42	118.2	27.02
Franklin	227	11,426	2.54	8.42	118.2	27.02
Kentucky	5,420	11,582	2.76	7.97	125.9	29.15
Union	5,420	11,582	2.76	7.97	125.9	29.15
Tennessee Valley Authority Gallatin	**2,413**	**12,108**	**2.84**	**9.05**	**122.9**	**29.77**
Illinois	361	11,764	2.87	7.62	123.8	29.13
White	361	11,764	2.87	7.62	123.8	29.13
Kentucky	2,051	12,169	2.84	9.31	122.8	29.88
Hopkins	844	11,746	2.73	10.39	124.2	29.17
Union	81	12,483	2.97	9.03	126.9	31.69
Webster	1,126	12,463	2.91	8.51	121.5	30.29
Tennessee Valley Authority Johnsonville	**2,336**	**11,873**	**1.74**	**9.27**	**129.7**	**30.81**
Illinois	1,236	11,532	1.72	9.08	129.0	29.75
Franklin	1,140	11,494	1.71	9.06	128.6	29.57
Gallatin	96	11,984	1.82	9.28	133.1	31.91
Kentucky	1,100	12,255	1.75	9.49	130.5	31.99
Johnson	65	12,061	1.40	9.95	134.3	32.41
Webster	944	12,271	1.78	9.48	130.2	31.96
Unknown	91	12,233	1.70	9.30	130.8	32.00
Tennessee Valley Authority Kingston	**3,381**	**12,739**	**1.20**	**8.27**	**124.0**	**31.59**
Kentucky	2,064	12,658	1.11	8.22	125.6	31.79
Bell	1,794	12,675	1.08	7.97	125.7	31.86
Harlan	224	12,586	1.43	9.66	126.5	31.84
Leslie	9	12,516	1.10	10.10	123.0	30.79
Letcher	9	12,200	.90	13.20	107.4	26.21
Perry	27	12,313	1.03	10.48	116.9	28.80
Unknown	*	12,546	1.20	8.70	132.9	33.35
Tennessee	1,318	12,866	1.34	8.35	121.5	31.27
Anderson	234	12,732	1.44	8.72	123.7	31.50
Campbell	782	12,720	1.21	9.17	120.2	30.58
Claiborne	5	12,095	1.50	10.20	113.6	27.48
Morgan	33	13,328	1.71	6.94	114.2	30.45
Scott	264	13,377	1.60	5.73	124.5	33.30
Tennessee Valley Authority Paradise	**5,770**	**10,751**	**4.01**	**16.51**	**107.8**	**23.17**

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Tennessee Valley Authority Paradise						
Kentucky	5,263	10,964	4.36	17.43	106.5	23.36
Hopkins	102	11,081	4.34	11.51	94.7	21.00
Muhlenberg	2,529	10,527	4.25	17.33	100.8	21.22
Union	881	11,081	4.52	17.68	112.1	24.85
Webster	1,751	11,529	4.43	17.80	112.1	25.85
Wyoming	506	8,543	.44	6.87	124.0	21.18
Campbell	393	8,469	.48	6.69	125.1	21.20
Converse	114	8,800	.29	7.50	120.2	21.15
Tennessee Valley Authority Sevier	**1,731**	**12,883**	**1.67**	**9.48**	**127.7**	**32.91**
Kentucky	472	12,514	1.39	11.52	121.1	30.31
Harlan	187	12,605	1.54	10.86	123.1	31.02
Letcher	285	12,455	1.29	11.95	119.8	29.85
Virginia	1,258	13,021	1.77	8.72	130.1	33.89
Lee	405	12,918	1.44	8.83	123.7	31.96
Wise	853	13,071	1.92	8.67	133.1	34.80
Tennessee Valley Authority Shawnee	**2,271**	**12,112**	**1.34**	**9.47**	**130.4**	**31.58**
Kentucky	1,338	11,923	1.81	9.43	125.8	30.00
Floyd	25	12,370	.60	9.80	128.3	31.74
Hopkins	16	11,400	3.70	10.90	141.9	32.35
Muhlenberg	394	11,596	2.74	8.89	122.4	28.38
Ohio	222	11,604	3.79	9.63	92.7	21.52
Pike	680	12,213	.63	9.62	137.5	33.59
West Virginia	933	12,384	.67	9.53	136.7	33.86
Boone	19	12,300	.70	12.50	132.2	32.52
Kanawha	262	12,526	.60	9.98	132.0	33.07
Logan	345	12,385	.67	9.11	137.8	34.12
Mingo	146	12,172	.78	9.88	139.8	34.04
Nicholas	161	12,351	.67	9.04	140.0	34.59
Tennessee Valley Authority Widows Creek	**2,650**	**12,079**	**2.38**	**10.81**	**124.8**	**30.16**
Kentucky	2,213	12,022	2.68	10.43	123.6	29.72
Bell	18	13,009	.80	8.10	134.4	34.97
Daviess	64	11,098	3.25	7.71	123.2	27.34
Harlan	265	12,695	.82	8.33	139.7	35.47
Hopkins	350	11,602	3.75	12.62	117.5	27.27
Perry	71	12,839	.75	8.25	138.2	35.48
Union	206	11,817	2.62	7.52	138.0	32.60
Webster	1,007	11,820	3.38	11.70	114.5	27.06
Unknown	231	12,875	.80	8.22	133.2	34.29
Tennessee	437	12,371	.82	12.72	130.9	32.38
Sequatchie	437	12,371	.82	12.72	130.9	32.38
Texas Municipal Power Agency Gibbons Creek	**3,587**	**4,668**	**1.33**	**26.06**	**135.5**	**12.65**
Texas	3,587	4,668	1.33	26.06	135.5	12.65
Grimes	3,587	4,668	1.33	26.06	135.5	12.65
Texas New Mexico Power Co TNP 1	**1,417**	**6,775**	**.99**	**15.55**	**138.8**	**18.81**
Texas	1,417	6,775	.99	15.55	138.8	18.81
Robertson	1,417	6,775	.99	15.55	138.8	18.81
Texas Utilities Electric Co Big Brown	**5,364**	**6,616**	**.75**	**16.35**	**96.9**	**12.82**
Texas	5,364	6,616	.75	16.35	96.9	12.82
Freestone	5,364	6,616	.75	16.35	96.9	12.82
Texas Utilities Electric Co Martin Lake	**12,832**	**6,776**	**1.17**	**12.94**	**101.3**	**13.73**
Texas	12,832	6,776	1.17	12.94	101.3	13.73
Rusk	12,832	6,776	1.17	12.94	101.3	13.73
Texas Utilities Electric Co Monticello	**10,685**	**5,861**	**.46**	**20.63**	**112.1**	**13.14**
Texas	10,644	5,851	.46	20.68	111.9	13.09
Titus	10,644	5,851	.46	20.68	111.9	13.09
Wyoming	41	8,300	.35	6.00	157.9	26.21
Campbell	41	8,300	.35	6.00	157.9	26.21
Texas Utilities Electric Co Sandow No 4[2]	**3,572**	**6,451**	**1.09**	**19.57**	**97.3**	**12.56**

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Texas Utilities Electric Co Sandow No 4[2]						
Texas	3,572	6,451	1.09	19.57	97.3	12.56
Milam	3,572	6,451	1.09	19.57	97.3	12.56
Toledo Edison Co Acme	**82**	**12,708**	**.62**	**8.99**	**177.3**	**45.06**
West Virginia	82	12,708	.62	8.99	177.3	45.06
Mingo	82	12,708	.62	8.99	177.3	45.06
Toledo Edison Co Bay Shore	**1,146**	**13,022**	**1.17**	**7.22**	**204.0**	**53.14**
Kentucky	248	13,257	1.36	5.84	209.4	55.52
Pike	248	13,257	1.36	5.84	209.4	55.52
West Virginia	898	12,957	1.12	7.60	202.5	52.48
Mingo	898	12,957	1.12	7.60	202.5	52.48
Tucson Electric Power Co Irvington	**73**	**10,293**	**.45**	**12.25**	**277.3**	**57.08**
New Mexico	73	10,293	.45	12.25	277.3	57.08
Mckinley	73	10,293	.45	12.25	277.3	57.08
Union Electric Co Labadie	**5,576**	**10,723**	**2.05**	**8.61**	**134.9**	**28.93**
Colorado	377	11,750	.47	9.60	159.8	37.55
Gunnison	377	11,750	.47	9.60	159.8	37.55
Illinois	3,839	11,311	2.72	9.58	144.4	32.67
Jefferson	851	11,800	1.30	7.30	213.8	50.46
Perry	2,988	11,172	3.13	10.23	123.5	27.60
Indiana	56	10,950	3.40	10.00	155.2	33.99
Pike	56	10,950	3.40	10.00	155.2	33.99
Wyoming	1,304	8,684	.45	5.43	87.6	15.22
Campbell	1,304	8,684	.45	5.43	87.6	15.22
Union Electric Co Meramec	**834**	**11,662**	**1.28**	**8.03**	**205.2**	**47.85**
Illinois	834	11,662	1.28	8.03	205.2	47.85
Jefferson	158	11,500	1.27	12.00	137.8	31.68
Saline	676	11,700	1.28	7.10	220.6	51.63
Union Electric Co Rush Island	**3,058**	**9,778**	**.84**	**7.35**	**134.0**	**26.20**
Illinois	1,293	11,612	1.29	9.36	162.6	37.77
Jefferson	644	11,526	1.27	11.60	142.7	32.90
Saline	649	11,697	1.32	7.13	182.1	42.60
Wyoming	1,765	8,434	.50	5.87	105.0	17.72
Campbell	1,765	8,434	.50	5.87	105.0	17.72
Union Electric Co Sioux	**1,821**	**11,458**	**2.50**	**8.39**	**175.1**	**40.13**
Illinois	1,786	11,516	2.54	8.44	176.2	40.57
Perry	379	11,200	3.10	10.10	138.8	31.09
Saline	1,407	11,601	2.39	7.99	185.9	43.13
Wyoming	35	8,540	.51	5.76	103.3	17.65
Campbell	35	8,540	.51	5.76	103.3	17.65
United Illuminating Co Bridgeport Harbor	**871**	**13,238**	**.55**	**6.07**	**216.6**	**57.35**
Kentucky	871	13,238	.55	6.07	216.6	57.35
Pike	871	13,238	.55	6.07	216.6	57.35
United Power Assn Stanton	**1,017**	**6,805**	**.86**	**8.76**	**99.3**	**13.52**
North Dakota	1,017	6,805	.86	8.76	99.3	13.52
Mercer	1,017	6,805	.86	8.76	99.3	13.52
Vineland City of H M Down	**32**	**12,758**	**.69**	**6.79**	**216.7**	**55.30**
West Virginia	32	12,758	.69	6.79	216.7	55.30
Nicholas	32	12,758	.69	6.79	216.7	55.30
Virginia Electric & Power Co Bremo Bluff	**420**	**12,775**	**.90**	**9.70**	**148.9**	**38.04**
Kentucky	49	13,114	1.10	8.56	151.0	39.62
Pike	49	13,114	1.10	8.56	151.0	39.62
Virginia	37	13,082	1.23	9.31	151.8	39.70
Dickenson	37	13,082	1.23	9.31	151.8	39.70
West Virginia	334	12,692	.84	9.91	148.2	37.62
Boone	155	12,688	.91	10.05	150.6	38.22
Logan	152	12,665	.77	9.76	144.9	36.71
Mingo	27	12,867	.86	10.01	153.0	39.38

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

Table 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Virginia Electric & Power Co Chesterfield	**2,810**	**12,791**	**1.12**	**8.82**	**150.3**	**38.46**
Kentucky	1,820	12,722	1.14	8.69	149.0	37.92
Breathitt	278	12,492	1.07	8.29	151.7	37.89
Floyd	43	12,744	1.26	7.41	148.6	37.88
Harlan	149	12,785	1.27	8.89	143.4	36.66
Letcher	143	12,605	1.22	9.83	143.7	36.23
Perry	79	12,942	.96	8.23	141.9	36.72
Pike	1,127	12,769	1.13	8.70	150.3	38.39
Virginia	290	13,089	1.03	8.91	157.3	41.17
Buchanan	79	13,145	1.31	9.22	155.6	40.90
Dickenson	170	13,080	.85	8.63	159.9	41.84
Wise	40	13,019	1.24	9.47	149.3	38.88
West Virginia	701	12,846	1.11	9.11	150.8	38.73
Boone	498	12,931	1.17	9.10	152.3	39.39
Logan	196	12,643	.96	9.14	146.6	37.08
Mingo	7	12,500	.90	9.00	153.5	38.37
Virginia Electric & Power Co Mount Storm	**4,447**	**12,221**	**1.71**	**14.57**	**134.4**	**32.85**
Maryland	1,609	12,356	1.68	14.40	113.1	27.94
Allegany	320	11,763	1.79	17.35	116.7	27.47
Garrett	1,289	12,503	1.65	13.66	112.2	28.05
Pennsylvania	55	11,556	1.69	16.72	113.3	26.18
Somerset	55	11,556	1.69	16.72	113.3	26.18
West Virginia	2,783	12,157	1.73	14.63	147.3	35.82
Barbour	63	11,721	1.79	17.48	114.8	26.91
Grant	2,406	12,234	1.74	14.18	151.8	37.15
Mineral	146	11,694	1.67	17.92	116.0	27.13
Randolph	168	11,615	1.59	17.28	119.3	27.70
Virginia Electric & Power Co Chesapeake Energy	**1,270**	**13,094**	**1.08**	**8.75**	**150.4**	**39.39**
Kentucky	*	13,000	.70	9.00	156.6	40.72
Pike	*	13,000	.70	9.00	156.6	40.72
Virginia	898	13,170	1.16	8.57	149.2	39.31
Buchanan	308	13,112	1.30	8.28	150.4	39.45
Dickenson	160	13,312	.86	8.65	148.9	39.65
Wise	431	13,160	1.17	8.74	148.5	39.08
West Virginia	372	12,909	.91	9.21	153.4	39.60
Mingo	372	12,909	.91	9.21	153.4	39.60
Virginia Electric & Power Co Possum Point	**714**	**12,715**	**1.02**	**8.87**	**152.9**	**38.88**
Kentucky	456	12,715	1.09	8.55	151.1	38.44
Breathitt	7	12,808	1.00	7.61	158.7	40.65
Floyd	21	12,914	.93	7.22	146.7	37.90
Harlan	34	12,848	1.32	8.83	146.7	37.69
Perry	119	12,957	.84	8.01	144.1	37.35
Pike	274	12,575	1.17	8.87	155.0	38.99
Virginia	34	13,075	1.13	9.08	158.7	41.51
Buchanan	13	13,045	1.24	8.70	155.5	40.57
Dickenson	7	13,216	.82	8.60	162.3	42.90
Wise	14	13,035	1.17	9.68	160.0	41.70
West Virginia	224	12,659	.87	9.49	155.6	39.40
Boone	112	12,759	.90	9.15	156.0	39.81
Logan	57	12,547	.82	9.35	147.1	36.91
Mingo	55	12,572	.86	10.32	163.6	41.14
Virginia Electric & Power Co Yorktown	**431**	**13,008**	**1.38**	**8.45**	**155.5**	**40.48**
Kentucky	154	12,946	1.26	7.87	155.9	40.37
Breathitt	20	12,680	1.04	8.01	156.8	39.77
Clay	4	12,999	1.54	9.00	147.4	38.32
Pike	129	12,986	1.28	7.82	156.0	40.52
Virginia	132	13,005	1.18	9.14	152.5	39.67
Buchanan	60	13,067	1.18	8.55	157.0	41.04
Dickenson	73	12,954	1.17	9.63	148.8	38.55
West Virginia	145	13,078	1.69	8.42	157.8	41.27
Boone	98	13,016	1.34	8.76	150.9	39.27
Monongalia	48	13,205	2.41	7.73	171.8	45.37
West Penn Power Co Armstrong	**922**	**12,395**	**1.87**	**11.48**	**121.4**	**30.10**

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
West Penn Power Co Armstrong						
Pennsylvania	922	12,395	1.87	11.48	121.4	30.10
Armstrong	239	12,168	1.93	12.22	104.0	25.31
Butler	142	11,986	2.02	12.51	105.0	25.17
Jefferson	541	12,602	1.81	10.88	133.0	33.52
West Penn Power Co Hatfield	**4,016**	**12,933**	**2.25**	**9.42**	**148.6**	**38.43**
Pennsylvania	88	13,270	1.71	7.47	153.9	40.85
Greene	88	13,270	1.71	7.47	153.9	40.85
West Virginia	3,928	12,926	2.26	9.46	148.5	38.38
Monongalia	3,928	12,926	2.26	9.46	148.5	38.38
West Penn Power Co Mitchell	**598**	**12,403**	**2.62**	**12.40**	**128.2**	**31.81**
West Virginia	598	12,403	2.62	12.40	128.2	31.81
Monongalia	598	12,403	2.62	12.40	128.2	31.81
West Texas Utilities Co Oklaunion	**2,837**	**8,301**	**.33**	**4.81**	**160.7**	**26.68**
Wyoming	2,837	8,301	.33	4.81	160.7	26.68
Campbell	2,837	8,301	.33	4.81	160.7	26.68
Western Farmers Elec Coop Inc Hugo	**1,067**	**8,633**	**.44**	**5.32**	**204.6**	**35.32**
Oklahoma	50	12,872	.55	7.64	194.8	50.15
Haskell	10	12,940	.65	9.21	182.0	47.10
Rogers	40	12,855	.53	7.26	198.0	50.90
Wyoming	1,017	8,424	.43	5.20	205.3	34.59
Campbell	1,017	8,424	.43	5.20	205.3	34.59
Wisconsin Electric Power Co Oak Creek	**1,758**	**12,826**	**1.68**	**6.93**	**151.5**	**38.87**
Illinois	472	11,881	1.68	7.19	153.1	36.38
Franklin	472	11,881	1.68	7.19	153.1	36.38
New Mexico	24	12,629	.57	12.15	172.7	43.62
Colfax	24	12,629	.57	12.15	172.7	43.62
Pennsylvania	1,263	13,183	1.70	6.73	150.6	39.71
Greene	1,263	13,183	1.70	6.73	150.6	39.71
Wisconsin Electric Power Co Pleasant Prairie	**4,910**	**8,482**	**.36**	**5.00**	**97.1**	**16.47**
Wyoming	4,910	8,482	.36	5.00	97.1	16.47
Campbell	4,910	8,482	.36	5.00	97.1	16.47
Wisconsin Electric Power Co Port Washington	**125**	**13,161**	**1.84**	**6.78**	**159.7**	**42.04**
Pennsylvania	125	13,161	1.84	6.78	159.7	42.04
Greene	125	13,161	1.84	6.78	159.7	42.04
Wisconsin Electric Power Co Presque Isle	**1,194**	**9,984**	**.58**	**6.85**	**174.7**	**34.89**
Kentucky	20	12,909	.77	7.90	155.2	40.06
Martin	20	12,909	.77	7.90	155.2	40.06
Montana	887	8,857	.50	6.72	181.8	32.21
Big Horn	665	8,857	.50	6.72	183.7	32.54
Rosebud	222	8,857	.50	6.72	176.2	31.21
West Virginia	287	13,271	.82	7.19	161.3	42.82
Mingo	287	13,271	.82	7.19	161.3	42.82
Wisconsin Electric Power Co Valley	**500**	**13,169**	**1.81**	**6.96**	**170.1**	**44.81**
Pennsylvania	500	13,169	1.81	6.96	170.1	44.81
Greene	500	13,169	1.81	6.96	170.1	44.81
Wisconsin Power & Light Co Columbia	**3,750**	**8,568**	**.48**	**6.87**	**129.9**	**22.27**
Montana	1,603	8,690	.70	8.88	166.7	28.97
Rosebud	1,603	8,690	.70	8.88	166.7	28.97
Wyoming	2,147	8,477	.32	5.37	101.8	17.26
Campbell	2,147	8,477	.32	5.37	101.8	17.26
Wisconsin Power & Light Co Edgewater	**2,470**	**9,678**	**.95**	**6.37**	**146.9**	**28.43**
Illinois	31	12,329	1.01	5.56	153.3	37.80
Jefferson	31	12,329	1.01	5.56	153.3	37.80
Indiana	812	11,222	2.22	9.36	187.7	42.13
Daviess	808	11,221	2.23	9.37	188.0	42.18
Spencer	5	11,301	1.57	6.21	146.7	33.16

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 36. Origin of Coal Received by Company and Plant, 1991 (Continued)

Company Plant Origin State County	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Wisconsin Power & Light Co Edgewater						
Virginia	21	14,044	0.82	5.34	185.1	52.00
Buchanan	21	14,044	.82	5.34	185.1	52.00
Wyoming	1,606	8,790	.31	4.89	119.5	21.01
Campbell	1,606	8,790	.31	4.89	119.5	21.01
Wisconsin Power & Light Co Nelson Dewey	**527**	**10,205**	**.62**	**4.72**	**131.6**	**26.85**
Illinois	35	12,018	1.01	5.33	136.5	32.82
Jefferson	35	12,018	1.01	5.33	136.5	32.82
Indiana	103	11,372	1.47	6.75	144.1	32.77
Spencer	103	11,372	1.47	6.75	144.1	32.77
Kentucky	6	13,353	.74	5.14	175.9	46.98
Knox	6	13,353	.74	5.14	175.9	46.98
Montana	307	9,533	.35	4.01	123.9	23.63
Big Horn	307	9,533	.35	4.01	123.9	23.63
Virginia	22	14,005	.77	4.41	155.5	43.56
Buchanan	22	14,005	.77	4.41	155.5	43.56
Wyoming	55	8,789	.24	4.56	120.9	21.24
Campbell	45	8,783	.23	4.39	120.9	21.24
Converse	11	8,815	.31	5.25	120.6	21.26
Wisconsin Power & Light Co Rock River	**221**	**10,977**	**1.76**	**8.05**	**192.1**	**42.18**
Indiana	171	11,257	2.16	9.25	200.7	45.19
Daviess	171	11,257	2.16	9.25	200.7	45.19
Montana	44	9,414	.32	3.93	153.0	28.81
Big Horn	44	9,414	.32	3.93	153.0	28.81
Virginia	6	14,296	.81	4.26	189.1	54.07
Buchanan	6	14,296	.81	4.26	189.1	54.07
Wisconsin Public Service Corp Pulliam	**776**	**11,197**	**1.77**	**9.17**	**196.7**	**44.04**
Indiana	589	11,088	2.11	9.89	211.5	46.90
Daviess	589	11,088	2.11	9.89	211.5	46.90
Kentucky	32	13,283	.50	5.55	166.1	44.13
Pike	32	13,283	.50	5.55	166.1	44.13
New Mexico	39	12,693	.58	11.26	167.5	42.52
Colfax	39	12,693	.58	11.26	167.5	42.52
West Virginia	49	13,260	1.42	6.95	167.1	44.33
Boone	9	13,227	.68	6.85	175.1	46.32
Marion	9	13,450	2.70	7.90	155.8	41.91
Mingo	20	13,214	.64	6.71	175.0	46.25
Monongalia	11	13,217	2.39	6.70	155.8	41.18
Wyoming	67	8,783	.38	5.00	111.4	19.57
Campbell	67	8,783	.38	5.00	111.4	19.57
Wisconsin Public Service Corp Weston	**1,619**	**9,353**	**.51**	**5.75**	**154.5**	**28.91**
Indiana	266	11,140	1.10	8.78	212.1	47.27
Daviess	266	11,140	1.10	8.78	212.1	47.27
Kentucky	11	13,282	.55	6.15	163.7	43.49
Letcher	2	13,060	.70	7.30	164.8	43.05
Pike	9	13,331	.52	5.90	163.5	43.59
New Mexico	20	12,692	.57	10.61	184.8	46.92
Colfax	20	12,692	.57	10.61	184.8	46.92
West Virginia	38	13,392	1.58	7.24	178.3	47.76
Marion	10	13,468	2.54	7.88	177.2	47.73
Mingo	18	13,247	.61	6.80	179.6	47.58
Monongalia	10	13,576	2.35	7.40	177.2	48.11
Wyoming	1,284	8,778	.35	4.99	137.5	24.15
Campbell	1,284	8,778	.35	4.99	137.5	24.15
Wyandotte Municipal Serv Comm Wyandotte	**114**	**13,415**	**.87**	**5.07**	**187.5**	**50.29**
West Virginia	114	13,415	.87	5.07	187.5	50.29
Boone	114	13,415	.87	5.07	187.5	50.29
Total	**769,923**	**10,378**	**1.30**	**9.76**	**144.7**	**30.02**

[1] Cost data for Florida Power Corporation Crystal River plant do not represent the total delivered cost of coal. The average delivered cost of coal as shown includes a large percentage of coal and associated costs as delivered to transfer facilities located in Kentucky, West Virginia, and Louisiana.

[2] Data for Texas Utilities Electric Company include an estimate of 2.9 million short tons for the Aluminium Company of America (ALCOA) portion of the lignite delivered to Unit 4 of the Sandow Plant.

* = Number less than 0.5.

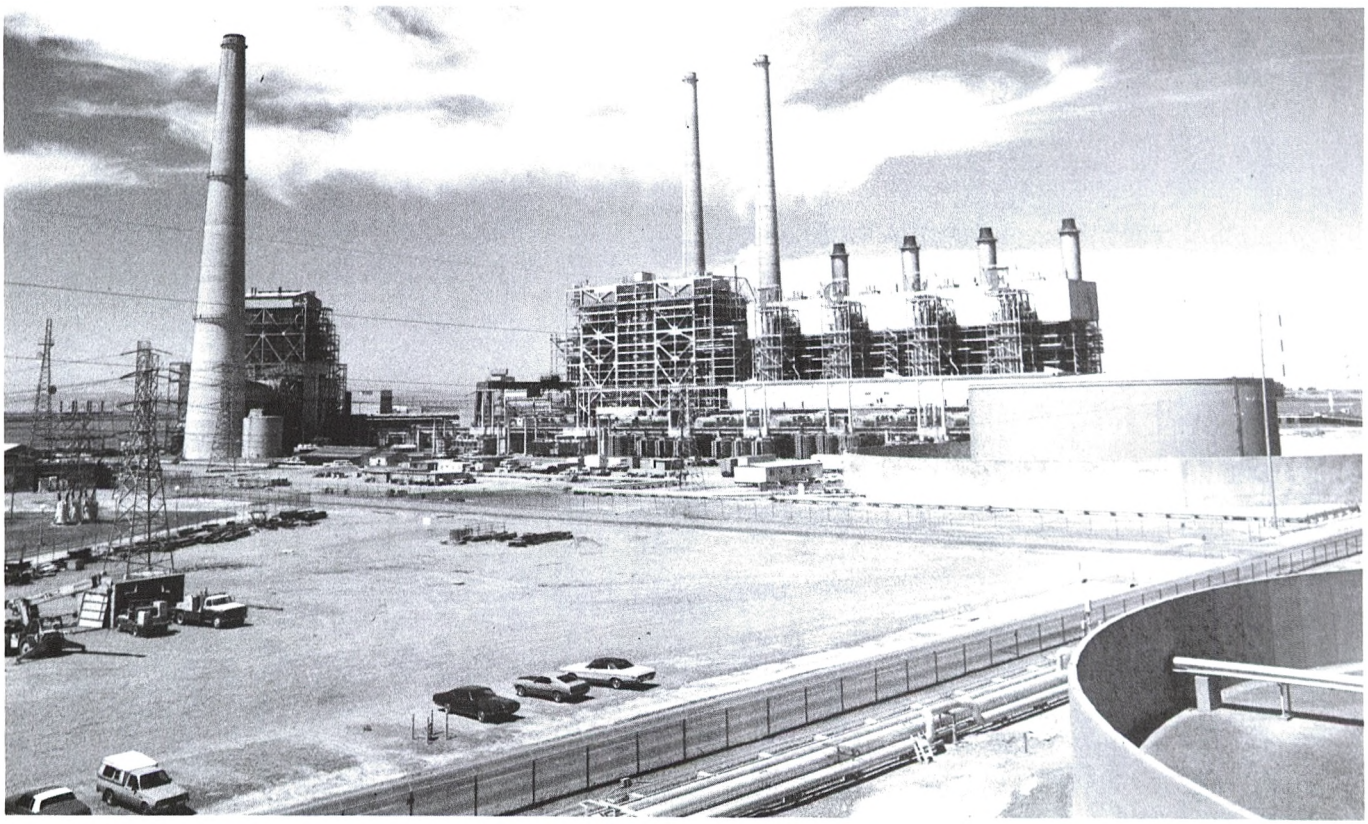
Notes: • Totals may not equal sum of components because of independent rounding. • Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Fossil-Fuel Data at the Electric Plant and Utility Level

This chapter provides 1991 data on the quantity, quality, and cost of fossil fuels received at the plant and company level (Table 43). The fuels received by these plants are described by quantity (thousand short tons, thousand barrels, or thousand cubic feet) and cost (cents per million Btu and dollars per short ton, barrel, or thousand cubic feet). The costs reported by electric utilities include all costs incurred 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 and ash content and the average Btu content.

This chapter also includes a 5-year profile (1987 through 1991) of data on the quantity, quality, and cost of fossil fuels received at the company level (Table 44). In some cases, electric utilities may not have submitted a report for each year, due to either retirement or derating of their units below the minimum threshold of 50 or more megawatts of steam-electric capacity. Additionally, due to a change in ownership, plant operator, or merger, data for some electric utilities may be shown under more than one utility name. For example, as of 1988, data for the Commonwealth Edison Company of Indiana are shown under the Commonwealth Edison Company, and data for the Upper Peninsula Generating Company are shown under the Wisconsin Electric Power Company. As of 1989, data for the Utah Power & Light Company are shown under PacifiCorp. Several electric utilities were required to file the FERC Form 423 starting in 1991 due to the addition of combined-cycle generating units to the survey. For these electric utilities, only 1991 data will be shown.



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

Top Companies, Ranked by Receipts

Coal

The Texas Utilities Electric Company (TU) reported the highest quantity of coal receipts, with 32 million short tons of lignite delivered to four generating plants in Texas. Since the Btu content of lignite is approximately half that of bituminous coal, the amount of electricity that the company generated is equivalent to the generation produced from 15 to 20 million short tons of bituminous coal.

The Tennessee Valley Authority (TVA) reported the second highest quantity of coal receipts of any electric utility in the Nation. In 1991, the TVA, which operates coal-fired plants in Alabama, Kentucky, and Tennessee, received 32 million short tons of coal--21 thousand short tons less than the Texas Utilities Electric Company (Table 37). This is the lowest annual amount of coal that the TVA has received since 1985, when the TVA reported coal receipts of 29 million short tons.

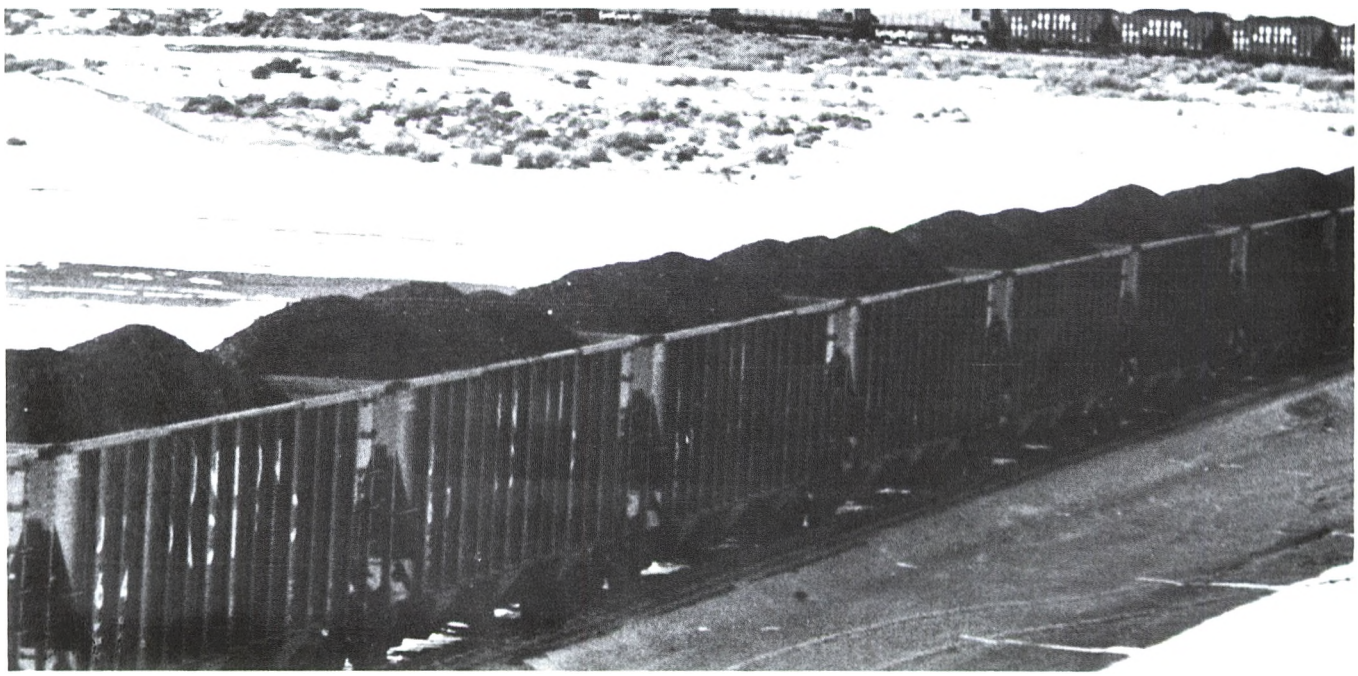
PacifiCorp ranked third in total coal receipts, with 28 million short tons received in 1991. PacifiCorp (formed by the merger of the Pacific Power & Light Company and the Utah Power & Light Company) operates coal-fired plants in Utah, Washington, and Wyoming. PacifiCorp's plants in Utah receive mostly in-State high-Btu bituminous coal, while its Wyoming plants primarily receive subbituminous coal from Wyoming. The Georgia Power Company and the Detroit Edison Company ranked fourth and fifth, respectively, in total coal receipts.

Petroleum

Electric utilities located in Florida and New York led the list of the top 20 companies, ranked by total receipts of petroleum (Table 38). Number 6 fuel oil is the primary grade of petroleum consumed in large quantities by these electric utilities. The Florida Power & Light Company (FP&L) reported the highest total receipts of petroleum, 32 million barrels in 1991. This is the highest total the FP&L has reported since 1983. The Long Island Lighting Company (LILCO) ranked second in total petroleum receipts at 14 million barrels, its lowest total since the FERC Form 423 data collection began. The Consolidated Edison Company of New York (ConEd) ranked third in total petroleum receipts, with 12 million barrels received in 1991. This is the lowest amount of petroleum received by ConEd since data collection on the FERC Form 423 began in 1972. The Canal Electric Company (Massachusettes) and Florida Power Corporation ranked fourth and fifth, respectively, each receiving approximately 10 million barrels of petroleum.

Gas

The top 20 electric utilities in 1991, ranked according to receipts of gas, show TU first in receipts of gas, with a level of 333 billion cubic feet (Table 39). The Houston Lighting & Power Company (HL&P) ranked second in receipts of gas with 236 billion cubic feet. The Pacific Gas & Electric Company (PG&E) ranked third in receipts of gas with 219 billion cubic feet. The Gulf States Utilities Company ranked fourth and the Southern California Edison Company ranked fifth with 166 billion cubic feet and 143 billion cubic feet, respectively.



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

Table 37. The Top 20 Companies Ranked by Receipts of Coal, 1991

Company	Receipts (thousand short tons)	Average Delivered Cost		Total Coal Bill (million dollars)
		(cents per million Btu)	(dollars per short ton)	
1. Texas Utilities Electric Co[1]	32,454	103.4	13.26	430.2
2. Tennessee Valley Authority	32,433	123.4	29.29	949.9
3. PacifiCorp	28,182	99.6	18.82	530.3
4. Georgia Power Co	24,387	180.2	42.99	1,048.3
5. Detroit Edison Co	19,312	155.8	33.19	641.0
6. Alabama Power Co	17,455	200.0	48.67	849.6
7. Houston Lighting & Power Co	17,101	210.3	31.52	539.0
8. Pennsylvania Electric Co	16,531	142.6	34.74	574.4
9. Ohio Power Co	14,364	167.7	38.95	559.4
10. Basin Electric Power Coop	14,269	66.2	9.72	138.6
11. Public Service Co of Indiana Inc	12,535	144.9	31.62	396.4
12. Northern States Power Co	12,263	118.7	20.80	255.0
13. Union Electric Co	11,289	147.3	31.40	354.4
14. Arizona Public Service Co	11,141	125.4	22.84	254.4
15. Indiana Michigan Power	11,114	123.9	22.53	250.4
16. Arkansas Power & Light Co	10,765	160.6	28.24	304.0
17. Monogahela Power Co	10,762	134.7	34.64	372.8
18. Montana Power Co	10,173	66.4	11.38	115.8
19. Virginia Electric & Power Co	10,092	143.9	36.20	365.4
20. Duke Power Co	10,003	174.5	43.72	437.3

[1] Data for Texas Utilities Electric Company include an estimate of 2.9 million short tons for the Aluminium Company of America (ALCOA) portion of the lignite delivered to Unit 4 of the Sandow Plant.

Note: Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Table 38. The Top 20 Companies Ranked by Receipts of Petroleum, 1991

Company	Receipts (thousand barrels)	Average Delivered Cost		Total Petroleum Bill (million dollars)
		(cents per million Btu)	(dollars per barrel)	
1. Florida Power & Light Co	31,782	226.0	14.18	450.6
2. Long Island Lighting Co	14,038	259.8	16.60	233.1
3. Consolidated Edison Co-NY Inc	11,864	306.7	19.15	227.2
4. Canal Electric Co	10,286	180.7	11.41	117.4
5. Florida Power Corp	10,112	216.2	13.74	138.9
6. Central Hudson Gas & Elec Corp	10,008	255.6	16.31	163.2
7. Hawaiian Electric Co Inc	8,998	330.6	20.65	185.8
8. Connecticut Light & Power Co	7,578	248.5	15.69	118.9
9. Niagara Mohowk Power Corp	6,924	249.4	15.80	109.4
10. Boston Edison Co	6,894	242.5	15.37	106.0
11. New England Power Co	5,714	262.0	16.71	95.5
12. United Illuminating Co	4,146	245.5	15.64	64.8
13. Potomac Electric Power	4,055	230.2	14.42	58.5
14. Orange and Rockland Utils Inc	3,490	293.6	18.38	64.1
15. Baltimore Gas & Electric Co	2,556	245.1	15.43	39.4
16. Delmarva Power & Light	2,536	233.3	14.82	37.6
17. Pennsylvania Power & Light Co	2,327	236.5	14.95	34.8
18. Central Maine Power Co	2,190	206.3	13.06	28.6
19. Virginia Electric & Power Co	2,143	222.2	13.69	29.3
20. Public Service Co of NH	2,132	179.6	11.82	25.2

Note: Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

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

Table 39. The Top 20 Companies Ranked by Receipts of Gas, 1991

Company	Receipts (thousand Mcf)	Average Delivered Cost		Total Gas Bill (million dollars)
		(cents per million Btu)	(dollars per Mcf)	
1. Texas Utilities Electric Co	333,262	247.4	2.55	851.4
2. Houston Lighting & Power Co	235,799	154.7	1.59	375.9
3. Pacific Gas & Electric Co	219,167	292.9	2.99	654.9
4. Gulf States Utilities Co	166,222	172.6	1.80	298.7
5. Southern California Edison Co	142,919	279.9	2.91	415.2
6. Florida Power & Light Co	130,666	216.6	2.17	283.0
7. Louisiana Power & Light Co	107,570	137.1	1.43	153.4
8. Central Power & Light Co	91,696	202.2	2.11	193.3
9. Consolidated Edison Co-NY Inc	87,743	201.1	2.07	181.9
10. Oklahoma Gas & Electric Co	78,534	313.4	3.25	255.2
11. Public Service Co of Oklahoma	66,157	291.6	3.06	202.1
12. Southwestern Public Service	48,965	156.7	1.58	77.2
13. West Texas Utilities Co	40,828	183.8	1.87	76.4
14. Los Angeles City of	40,048	304.2	3.15	126.2
15. Public Service Elec & Gas NJ	39,903	188.2	1.94	77.5
16. San Diego Gas & Electric Co	37,562	267.8	2.76	103.6
17. Mississippi Power & Light	36,835	159.4	1.64	60.4
18. San Antonio City Pub Service	32,875	168.4	1.73	56.8
19. Long Island Lighting Co	30,534	195.6	2.02	61.5
20. Central Louisiana Electric	29,691	188.7	1.98	58.7

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

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

Companies With Unique Situations

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 Plant. Large quantities of this coal are then shipped to the Barry 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 and Greene Plants 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. Its storage facilities 1, 2, and 5 are located in New Jersey; facilities 3, 4, and 6 are located in New York.

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

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

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

Florida Power Corporation. Approximately 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, include only the transportation costs from the mine to the transfer facility.

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 cost of coal delivered to the TVA reflects the actual cost of coal in 1991. Adjustments reported monthly by the TVA are not included.

Texas Utilities Electric Company (TU). As of 1991, data are reported for all coal receipts delivered to Unit 4 at the Sandow Plant. In prior years, coal receipts for Unit 4 did not include that portion of the coal purchased by ALCOA. Data for Units 1, 2, and 3 are not collected on the FERC Form 423 since these units are owned by ALCOA, which is not an electric utility.

A list of all holding companies in this chapter can be found in the chapter "Origin and Destination of Coal." Table B2 in Appendix B contains a listing, by State, of the electric utilities that submit the FERC Form 423.

Table 40. Receipts of Petroleum Coke, 1991

Company	Receipts (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Elec Power Coop MO.	17	13,968	4.72	1.13	99.6	27.83
Cincinnati Gas and Electric Co	21	14,009	4.64	.86	76.2	21.34
Iowa Electric Light and Power	4	14,386	5.05	.68	64.5	18.57
Manitowoc Public Utilities	10	14,355	5.04	.68	90.5	25.99
Northern Indiana Pub Serv Co	67	14,259	5.18	.49	81.4	23.20
Northern States Power Co	198	13,894	5.18	.64	76.6	21.28
Pennsylvania Power & Light Co	169	14,059	5.56	1.00	84.4	23.73
Total	**485**	**14,023**	**5.27**	**.77**	**81.0**	**22.70**

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

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

Table 41. Receipts of No. 6 Fuel Oil, 1991

Company	Receipts (thousand barrels)	Average Quality		Average Delivered Cost	
		Btu (per gallon)	Sulfur (percent by weight)	(cents per million Btu)	(dollars per barrel)
Arkansas Power & Light Co	1	149,581	0.30	271.8	17.08
Atlantic City Electric Co	258	150,766	.81	251.9	15.95
Baltimore Gas & Electric Co	2,519	150,055	.97	242.8	15.30
Bangor Hydro-Electric Co	44	150,494	.65	317.5	20.07
Boston Edison Co	6,861	151,006	.74	241.6	15.32
Cambridge Electric Light Co	158	151,022	.48	281.8	17.88
Canal Electric Co	10,286	150,347	2.10	180.7	11.41
Central Hudson Gas & Elec Corp	9,989	151,962	1.26	255.2	16.29
Central Maine Power Co	2,177	150,784	1.38	204.8	12.97
Cleveland Electric Illum Co	154	152,196	1.35	257.6	16.47
Commonwealth Edison Co	1,835	151,607	.69	272.5	17.35
Commonwealth Electric Co	58	150,755	.91	256.5	16.24
Connecticut Light & Power Co	7,549	150,431	.86	247.5	15.64
Consolidated Edison Co-NY Inc	11,864	148,688	.26	306.7	19.15
Consumers Power Co	453	152,402	.94	246.1	15.76
Coop Power Assn	7	147,000	2.50	260.5	16.08
Deepwater Operating Co	50	152,776	.93	251.8	16.16
Delmarva Power & Light Co	2,461	151,588	1.22	226.9	14.44
Detroit City of	352	144,078	.6	240.4	14.55
Dover City of	643	151,949	2.0	208.0	13.27
Florida Power & Light Co	30,384	151,289	1.1	228.1	14.49
Florida Power Corp	9,963	151,477	1.5	212.7	13.53
Fort Pierre City of	1	146,914	.8	290.1	17.90
Gainesville Regional Utilities	19	151,172	1.3	337.0	21.40
Hawaiian Electric Co Inc	8,996	148,684	.4	330.6	20.65
Houston Lighting & Power Co	12	150,004	1.0	346.8	21.85
Illinois Power Co	51	150,000	.9	286.9	18.08
Imperial Irrigation District	35	149,500	1.3	277.7	17.44
Interstate Power Co	11	150,629	1.2	216.2	13.68
Jacksonville Electric Auth	2,001	151,162	1.8	198.9	12.63
Jersey Central Power&Light Co	130	151,628	.7	254.9	16.23
Lakeland City of	254	149,731	2.2	251.4	15.81
Long Island Lighting Co	14,038	152,198	.9	259.8	16.60
Louisiana Power & Light Co	14	150,507	1.0	240.9	15.23
Mississippi Power & Light Co	602	152,416	2.9	194.3	12.44
Montaup Electric Co	134	151,274	.9	229.0	14.55
Nevada Power Co	1	148,000	1.0	495.0	30.77
New England Power Co	5,714	151,901	1.7	262.0	16.71
New Orleans Public Service Inc	2	151,844	1.4	231.9	14.79
Niagara Mohawk Power Corp	6,890	150,902	1.2	248.1	15.72
Orange & Rockland Utils Inc	3,490	149,064	.3	293.6	18.38
Orlando Utilities Comm	1,304	151,451	1.5	201.3	12.80
Pacific Gas & Electric Co	2,011	145,744	.3	306.7	18.77
Pennsylvania Power & Light Co	2,131	151,576	.9	216.2	13.76
Philadelphia Electric Co	1,905	151,314	.5	267.2	16.98
Potomac Electric Power Co	3,314	150,881	1.6	201.5	12.77
Power Authority of State of NY	233	149,062	.3	377.0	23.60
Public Service Co of NH	2,102	156,973	1.6	175.8	11.59
Public Service Electric&Gas Co	1,596	147,953	.3	307.8	19.13
Puget Sound Power & Light Co	*	150,000	2.0	619.0	39.00
Sierra Pacific Power Co	393	148,087	.7	386.0	24.01
Southwestern Electric Power Co	12	150,243	.6	456.3	28.79
St Joseph Light & Power Co	187	155,335	2.4	132.6	8.65
Tallahassee City of	37	151,190	1.8	240.4	15.27
Tampa Electric Co	468	151,838	1.0	233.5	14.89
Taunton City of	60	150,485	2.1	246.6	15.59
United Illuminating Co	4,132	151,758	1.0	244.8	15.60
Vero Beach City of	21	150,000	2.0	319.3	20.12
Vineland City of	77	150,291	.9	271.0	17.11
Virginia Electric & Power Co	2,070	146,935	1.4	213.0	13.14
Western Massachusetts Elec Co	108	152,860	.9	257.6	16.54
Total	**162,623**	**150,825**	**1.08**	**246.28**	**15.60**

* = Number less than 0.5.

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

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

Table 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Alabama Electric Coop Inc	**811**	**12,042**	**1.39**	**11.85**	**152.6**	**36.75**	**422**	**12,031**	**1.35**	**12.74**	**138.6**	**33.36**
Lowman (AL)	811	12,042	1.39	11.85	152.6	36.75	422	12,031	1.35	12.74	138.6	33.36
Alabama Power Co	**13,884**	**12,167**	**1.21**	**12.11**	**216.9**	**52.78**	**3,571**	**12,181**	**1.39**	**11.85**	**134.2**	**32.69**
Barry (AL)	594	12,361	.97	11.32	210.7	52.09	—	—	—	—	—	—
Gadsden (AL)	50	12,500	1.69	11.91	180.0	44.99	—	—	—	—	—	—
Gorgas 2 and 3 (AL)	4,319	11,800	1.12	13.61	197.1	46.53	1,499	11,952	1.93	13.14	125.9	30.11
Greene (AL)	842	12,335	1.41	10.37	177.5	43.79	385	12,389	1.34	10.14	138.6	34.35
Gaston (AL)	3,574	12,216	2.09	12.14	188.4	46.02	430	12,065	1.85	11.86	140.7	33.95
James Miller (AL)	4,505	12,419	.59	11.07	265.7	66.00	1,257	12,429	.60	10.84	140.2	34.84
American Municipal Power Ohio	**192**	**11,300**	**4.82**	**16.20**	**96.6**	**21.83**	**637**	**11,399**	**4.79**	**14.38**	**96.5**	**22.00**
Gorsuch (OH)	192	11,300	4.82	16.20	96.6	21.83	637	11,399	4.79	14.38	96.5	22.00
Ames City of	**209**	**8,770**	**.21**	**4.41**	**131.4**	**23.05**	**—**	**—**	**—**	**—**	**—**	**—**
Ames (IA)	209	8,770	.21	4.41	131.4	23.05	—	—	—	—	—	—
Appalachian Power Co	**8,202**	**12,489**	**.76**	**10.80**	**178.8**	**44.65**	**1,244**	**12,414**	**.77**	**11.99**	**116.5**	**28.93**
Clinch River (VA)	986	12,407	.80	13.85	150.1	37.25	708	12,524	.82	12.69	116.5	29.18
Glen Lyn (VA)	277	12,439	.83	12.18	199.0	49.51	85	12,465	.87	11.26	132.1	32.93
Amos (WV)	4,376	12,479	.80	10.41	191.4	47.77	102	12,133	.76	10.97	100.9	24.48
Kanawha River (WV)	241	12,712	.81	10.96	172.3	43.82	23	12,104	.84	12.29	107.8	26.09
Mountaineer (WV)	2,323	12,525	.67	10.04	165.4	41.42	327	12,273	.63	10.96	117.8	28.92
Arizona Electric Pwr Coop Inc	**754**	**11,909**	**.37**	**16.30**	**168.9**	**40.22**	**215**	**11,561**	**.58**	**15.38**	**160.7**	**37.15**
Apache (AZ)	754	11,909	.37	16.30	168.9	40.22	215	11,561	.58	15.38	160.7	37.15
Arizona Public Service Co	**11,141**	**9,108**	**.70**	**19.85**	**125.4**	**22.84**	**—**	**—**	**—**	**—**	**—**	**—**
Cholla (AZ)	3,463	9,758	.47	14.65	157.8	30.80	—	—	—	—	—	—
Four Corners (NM)	7,678	8,814	.80	22.20	109.2	19.25	—	—	—	—	—	—
Arkansas Power & Light Co	**10,765**	**8,793**	**.32**	**5.23**	**160.6**	**28.24**	**—**	**—**	**—**	**—**	**—**	**—**
Whitebluff (AR)	5,517	8,784	.42	5.58	166.8	29.30	—	—	—	—	—	—
Independence (AR)	5,249	8,802	.22	4.86	154.0	27.11	—	—	—	—	—	—
Associated Electric Coop Inc	**5,073**	**10,727**	**3.48**	**10.28**	**140.7**	**30.19**	**—**	**—**	**—**	**—**	**—**	**—**
Madrid (MO)	3,131	10,863	3.04	10.23	116.4	25.29	—	—	—	—	—	—
Hill (MO)	1,942	10,506	4.19	10.37	181.2	38.08	—	—	—	—	—	—
Atlantic City Electric Co	**561**	**12,922**	**2.35**	**9.74**	**172.1**	**44.47**	**45**	**13,227**	**2.18**	**7.29**	**165.8**	**43.85**
England (NJ)	561	12,922	2.35	9.74	172.1	44.47	45	13,227	2.18	7.29	165.8	43.85
Baltimore Gas & Electric Co	**2,726**	**12,943**	**.91**	**8.60**	**159.0**	**41.17**	**708**	**12,874**	**.93**	**9.37**	**148.6**	**38.26**
Brandon Shores (MD)	1,754	12,814	.69	9.05	157.8	40.43	558	12,809	.70	9.65	147.6	37.81
Crane (MD)	334	13,381	2.16	6.80	147.0	39.33	114	13,215	2.11	8.00	149.5	39.52
Wagner (MD)	638	13,070	.86	8.32	168.9	44.16	36	12,802	.80	9.40	161.2	41.27
Basin Electric Power Coop	**14,269**	**7,338**	**.49**	**7.01**	**66.2**	**9.72**	**—**	**—**	**—**	**—**	**—**	**—**
Leland Olds (ND)	2,927	6,591	.58	8.35	92.6	12.21	—	—	—	—	—	—
Laramie River (WY)	6,596	8,167	.35	4.94	56.1	9.17	—	—	—	—	—	—
Antelope Valley (ND)	4,746	6,648	.62	9.06	67.3	8.94	—	—	—	—	—	—
Big Rivers Electric Corp	**4,927**	**11,145**	**3.36**	**13.00**	**124.9**	**27.84**	**141**	**11,546**	**2.67**	**8.95**	**106.8**	**24.66**
Coleman (KY)	1,300	11,218	2.49	8.54	110.0	24.67	141	11,546	2.67	8.95	106.8	24.66
Reid-Henderson (KY)	776	12,377	2.52	9.30	124.2	30.75	—	—	—	—	—	—
R D Green (KY)	1,589	10,422	3.87	17.09	121.8	25.39	—	—	—	—	—	—
Wilson (KY)	1,262	11,222	4.13	14.71	144.4	32.40	—	—	—	—	—	—
Cajun Electric Power Coop Inc	**5,212**	**8,590**	**.42**	**5.23**	**153.0**	**26.29**	**—**	**—**	**—**	**—**	**—**	**—**
Big Cajun No.2 (LA)	5,212	8,590	.42	5.23	153.0	26.29	—	—	—	—	—	—
Cardinal Operating Co	**3,589**	**11,856**	**2.13**	**13.33**	**155.9**	**36.97**	**206**	**11,991**	**3.18**	**12.04**	**106.0**	**25.42**
Cardinal (OH)	3,589	11,856	2.13	13.33	155.9	36.97	206	11,991	3.18	12.04	106.0	25.42

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

Table 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Carolina Power & Light Co	**8,517**	**12,481**	**0.90**	**10.25**	**181.8**	**45.38**	*	**12,075**	**1.15**	**7.30**	**134.8**	**32.56**
Asheville (NC)	722	13,210	1.25	9.03	132.0	34.86	—	—	—	—	—	—
Cape Fear (NC)	384	12,738	1.00	8.79	199.8	50.90	—	—	—	—	—	—
Lee (NC)	362	12,905	1.01	8.58	207.5	53.57	—	—	—	—	—	—
Roxboro (NC)	4,971	12,429	.89	10.15	182.0	45.24	*	12,000	1.00	6.00	104.6	25.10
Sutton (NC)	480	12,512	.98	11.65	183.3	45.87	—	—	—	—	—	—
Weatherspoon (NC)	84	12,584	.99	10.51	199.4	50.19	—	—	—	—	—	—
Robinson (SC)	153	12,429	1.04	10.34	191.2	47.52	*	12,151	1.30	8.60	164.7	40.03
Mayo (NC)	1,360	12,090	.64	11.60	194.4	46.99	—	—	—	—	—	—
Cedar Falls City of	**—**	**—**	**—**	**—**	**—**	**—**	**45**	**11,406**	**2.83**	**9.20**	**135.7**	**30.96**
Streeter (IA)	—	—	—	—	—	—	45	11,406	2.83	9.20	135.7	30.96
Central Electric Pwr Coop-MO	**—**	**—**	**—**	**—**	**—**	**—**	**84**	**11,036**	**3.11**	**9.65**	**129.0**	**28.47**
Chamois (MO)	—	—	—	—	—	—	84	11,036	3.11	9.65	129.0	28.47
Central Hudson Gas & Elec Corp	**745**	**13,021**	**.57**	**8.08**	**207.7**	**54.10**	**129**	**13,096**	**.60**	**7.29**	**187.4**	**49.07**
Danskammer (NY)	745	13,021	.57	8.08	207.7	54.10	129	13,096	.60	7.29	187.4	49.07
Central Illinois Light Co	**1,769**	**11,935**	**2.10**	**6.90**	**176.1**	**42.04**	**506**	**12,357**	**1.45**	**7.39**	**163.4**	**40.39**
Edwards (IL)	834	13,351	.59	5.54	175.7	46.93	490	12,420	1.42	7.28	164.2	40.80
Duck Creek (IL)	935	10,673	3.44	8.10	176.5	37.68	16	10,423	2.54	10.79	134.9	28.12
Central Illinois Pub Serv Co	**4,050**	**11,081**	**2.85**	**9.17**	**155.6**	**34.49**	**506**	**11,068**	**.57**	**9.14**	**151.0**	**33.42**
Coffeen (IL)	1,702	10,645	3.41	8.49	154.6	32.91	—	—	—	—	—	—
Grand Tower (IL)	220	11,574	2.92	11.28	161.1	37.29	—	—	—	—	—	—
Hutsonville (IL)	212	11,170	2.47	9.19	148.0	33.05	—	—	—	—	—	—
Meredosia (IL)	397	11,374	2.79	5.57	149.5	34.02	17	11,371	3.22	6.75	133.5	30.36
Newton (IL)	1,518	11,411	2.29	10.57	158.5	36.17	489	11,057	.48	9.22	151.6	33.53
Central Iowa Power Coop	**76**	**10,807**	**2.88**	**10.20**	**121.0**	**26.15**	**36**	**11,247**	**3.13**	**8.04**	**106.3**	**23.92**
Fair Station (IA)	76	10,807	2.88	10.20	121.0	26.15	36	11,247	3.13	8.04	106.3	23.92
Central Louisiana Elec Co Inc	**4,953**	**7,607**	**.57**	**9.99**	**160.5**	**24.42**	**—**	**—**	**—**	**—**	**—**	**—**
Dolet Hills (LA)	3,150	6,928	.62	12.46	132.8	18.41	—	—	—	—	—	—
Rodemacher (LA)	1,803	8,793	.47	5.67	198.6	34.93	—	—	—	—	—	—
Central Operating Co	**1,315**	**12,325**	**1.22**	**11.59**	**155.9**	**38.43**	**65**	**12,019**	**1.30**	**13.48**	**103.7**	**24.93**
Sporn (WV)	1,315	12,325	1.22	11.59	155.9	38.43	65	12,019	1.30	13.48	103.7	24.93
Central Power & Light Co	**1,205**	**10,656**	**.36**	**5.16**	**224.9**	**47.93**	**529**	**10,973**	**.43**	**7.88**	**169.2**	**37.13**
Coleto Creek (TX)	1,205	10,656	.36	5.16	224.9	47.93	529	10,973	.43	7.88	169.2	37.13
Century Power Corp	**2,640**	**9,154**	**.62**	**17.36**	**183.1**	**33.53**	**—**	**—**	**—**	**—**	**—**	**—**
Springerville (AZ)	2,640	9,154	.62	17.36	183.1	33.53	—	—	—	—	—	—
Cincinnati Gas & Electric Co	**7,593**	**11,948**	**2.47**	**10.85**	**146.4**	**34.99**	**1,530**	**11,918**	**2.27**	**11.07**	**105.7**	**25.20**
Beckjord (OH)	1,434	11,763	1.84	12.44	176.8	41.60	510	11,914	2.13	11.40	104.4	24.87
Miami Fort (OH)	2,113	12,088	1.63	10.65	166.6	40.28	473	12,018	1.80	10.53	111.5	26.80
East Bend (KY)	907	11,816	1.91	12.09	172.9	40.85	264	11,695	1.73	12.03	112.6	26.34
Zimmer (OH)	3,140	11,976	3.49	9.90	111.5	26.72	283	11,966	3.83	10.47	92.1	22.04
Cleveland Electric Illum Co	**2,545**	**12,513**	**3.36**	**9.72**	**170.4**	**42.65**	**2,060**	**13,001**	**2.10**	**8.22**	**137.4**	**35.74**
Ashtabula (OH)	527	12,513	4.11	9.92	169.6	42.44	448	13,316	2.40	7.73	126.8	33.76
Avon Lake (OH)	988	12,464	2.66	9.76	158.9	39.62	306	12,811	.96	8.74	153.2	39.25
Eastlake (OH)	1,030	12,561	3.66	9.58	181.8	45.67	1,100	12,892	2.58	8.60	132.8	34.23
Lake Shore (OH)	—	—	—	—	—	—	206	13,176	.60	6.46	162.5	42.83
Colorado Springs City of	**1,010**	**10,679**	**.37**	**5.82**	**163.2**	**34.85**	**401**	**11,238**	**.44**	**8.53**	**99.2**	**22.29**
Drake (CO)	547	10,666	.36	5.08	157.0	33.50	61	10,712	.38	4.86	105.0	22.49
Nixon (CO)	463	10,693	.38	6.68	170.4	36.43	341	11,332	.46	9.19	98.2	22.25
Colorado Ute Electric Assn Inc	**4,084**	**10,281**	**.38**	**8.01**	**100.2**	**20.60**	**1,601**	**10,563**	**.37**	**5.97**	**88.1**	**18.61**

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 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Colorado Ute Electric Assn Inc												
Hayden (CO)	1,454	10,667	0.40	8.89	90.5	19.32	—	—	—	—	—	—
Nucla (CO)	181	10,426	.46	16.82	125.9	26.25	48	8,884	0.67	25.68	98.6	17.53
Craig (CO)	2,449	10,042	.37	6.83	104.3	20.94	1,552	10,615	.36	5.36	87.8	18.64
Columbia City of	—	—	—	—	—	—	50	14,165	.63	5.18	213.8	60.57
Columbia (MO)	—	—	—	—	—	—	50	14,165	.63	5.18	213.8	60.57
Columbus Southern Power Co	2,504	11,931	3.24	8.17	169.2	40.38	780	11,862	3.19	9.22	110.7	26.25
Conesville (OH)	2,468	11,939	3.26	8.13	170.0	40.59	581	11,977	3.22	9.01	112.0	26.83
Picway (OH)	36	11,393	2.41	11.10	113.7	25.92	199	11,527	3.12	9.83	106.6	24.58
Columbus City of	—	—	—	—	—	—	22	12,438	.86	8.87	167.8	41.74
Solid Waste R F (OH)	—	—	—	—	—	—	22	12,438	.86	8.87	167.8	41.74
Commonwealth Edison Co	9,162	9,771	1.18	6.60	242.6	47.40	—	—	—	—	—	—
Crawford (IL)	276	9,468	.39	8.02	313.8	59.42	—	—	—	—	—	—
Joliet (IL)	1,185	9,522	.38	6.82	286.4	54.55	—	—	—	—	—	—
Kincaid (IL)	2,367	10,401	3.52	9.02	126.6	26.33	—	—	—	—	—	—
Powerton (IL)	1,836	9,609	.35	3.99	266.8	51.27	—	—	—	—	—	—
Waukegan (IL)	1,015	9,486	.38	7.34	278.1	52.77	—	—	—	—	—	—
Will County (IL)	1,355	9,551	.37	5.82	309.2	59.07	—	—	—	—	—	—
Fisk (IL)	403	9,458	.39	8.12	317.5	60.05	—	—	—	—	—	—
State Line (IN)	725	9,625	.35	3.95	279.5	53.81	—	—	—	—	—	—
Consumers Power Co	4,940	12,309	.74	9.56	168.0	41.35	1,834	11,558	.69	9.30	137.8	31.85
Cobb (MI)	529	10,984	.57	7.12	157.6	34.62	278	12,255	.62	6.63	148.1	36.29
Karn (MI)	915	12,242	.81	11.09	156.5	38.32	370	12,163	.86	11.80	136.7	33.26
Campbell (MI)	2,508	12,629	.73	9.04	177.0	44.70	246	12,280	.76	11.05	149.9	36.81
Weadock (MI)	522	12,254	.81	10.63	161.8	39.67	544	9,873	.45	7.16	129.9	25.65
Whiting (MI)	464	12,286	.77	10.95	157.7	38.74	396	12,368	.87	10.67	132.7	32.83
Coop Power Assn	6,495	6,290	.74	10.70	74.0	9.31	312	6,328	.72	10.51	41.5	5.25
Coal Creek (ND)	6,495	6,290	.74	10.70	74.0	9.31	312	6,328	.72	10.51	41.5	5.25
Dairyland Power Coop	950	8,511	.33	4.79	143.7	24.46	1,245	10,310	1.48	7.18	122.5	25.26
Alma-Madgett (WI)	950	8,511	.33	4.79	143.7	24.46	561	9,681	.81	5.77	123.4	23.89
Genoa No.3 (WI)	—	—	—	—	—	—	637	10,769	2.07	8.39	120.9	26.03
Stoneman (WI)	—	—	—	—	—	—	46	11,629	1.58	7.56	134.1	31.20
Dayton Power & Light Co	3,803	11,929	1.16	13.35	188.9	45.08	3,290	11,605	1.34	13.74	103.2	23.96
Hutchings (OH)	36	12,149	.67	11.36	194.1	47.16	129	12,232	.86	10.93	130.8	32.01
Stuart (OH)	3,250	11,820	1.25	13.78	189.3	44.76	2,896	11,512	1.43	14.17	100.9	23.23
Killen (OH)	516	12,601	.62	10.82	186.3	46.96	265	12,316	.64	10.48	113.5	27.95
Deepwater Operating Co	135	12,766	.81	10.30	178.0	45.45	7	12,589	.84	11.50	172.0	43.31
Deepwater (NJ)	135	12,766	.81	10.30	178.0	45.45	7	12,589	.84	11.50	172.0	43.31
Delmarva Power & Light Co	1,677	13,066	.88	8.57	180.4	47.13	325	12,987	1.38	9.14	166.7	43.30
Edgemoor (DE)	506	13,240	.81	7.90	184.3	48.81	—	—	—	—	—	—
Indian River (DE)	1,171	12,990	.92	8.86	178.6	46.41	325	12,987	1.38	9.14	166.7	43.30
Deseret Generation & Tran Coop	1,130	10,676	.45	9.95	228.0	48.68	—	—	—	—	—	—
Bonanza (UT)	1,130	10,676	.45	9.95	228.0	48.68	—	—	—	—	—	—
Detroit Edison Co	17,085	10,690	.64	5.43	160.4	34.30	2,227	10,338	.75	5.88	119.6	24.72
Harbor Beach (MI)	18	13,053	.63	6.00	180.0	46.99	—	—	—	—	—	—
Monroe (MI)	6,752	11,458	.87	5.97	167.4	38.36	1,481	10,607	.78	5.77	117.0	24.83
River Rouge (MI)	923	12,325	.67	10.15	161.7	39.85	108	11,702	.65	9.30	141.8	33.19
St Clair (MI)	4,348	9,763	.54	4.47	147.2	28.74	604	9,492	.70	5.65	121.1	22.99
Trenton Channel (MI)	1,344	11,879	.65	6.22	186.4	44.29	2	9,368	.31	4.00	147.3	27.60
Belle River (MI)	3,700	9,526	.35	4.08	148.7	28.33	32	9,368	.31	4.00	127.9	23.96

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

Table 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Duke Power Co	**7,547**	**12,484**	**0.97**	**9.92**	**186.6**	**46.58**	**2,456**	**12,660**	**1.01**	**9.06**	**137.9**	**34.92**
Allen (NC)	592	12,526	1.04	11.14	184.7	46.27	—	—	—	—	—	—
Buck (NC)	57	12,643	1.07	8.46	189.5	47.91	128	12,998	.79	8.70	145.9	37.92
Cliffside (NC)	402	12,667	.97	8.68	201.2	50.96	143	12,661	1.03	9.59	134.1	33.96
Dan River (NC)	—	—	—	—	—	—	57	12,875	.82	9.06	143.7	37.00
Marshall (NC)	2,286	12,458	1.03	10.87	182.5	45.47	952	12,611	.97	8.99	138.1	34.82
Riverbend (NC)	124	12,758	.95	8.32	201.1	51.32	74	12,332	1.08	9.85	141.4	34.88
Lee (SC)	44	12,709	.96	8.80	211.7	53.82	156	12,537	1.09	9.17	150.2	37.67
Belews Creek (NC)	4,042	12,461	.93	9.41	186.9	46.57	946	12,695	1.07	9.03	134.7	34.19
Duquesne Light Co	**1,738**	**12,408**	**1.56**	**11.92**	**168.6**	**41.83**	**529**	**12,401**	**2.09**	**12.41**	**113.8**	**28.22**
Elrama (PA)	968	12,268	1.65	12.73	184.9	45.36	121	12,054	2.22	13.87	98.8	23.83
Cheswick (PA)	770	12,584	1.44	10.90	148.6	37.40	408	12,503	2.05	11.98	118.1	29.52
East Kentucky Power Coop	**1,313**	**12,129**	**1.55**	**11.10**	**121.1**	**29.38**	**1,363**	**12,294**	**.91**	**10.62**	**112.7**	**27.70**
Cooper (KY)	372	12,191	1.56	10.98	126.9	30.95	340	12,430	1.44	9.76	108.6	26.99
Dale (KY)	—	—	—	—	—	—	256	12,067	.87	9.89	107.3	25.89
Spurlock (KY)	941	12,104	1.54	11.15	118.8	28.76	766	12,309	.70	11.24	116.3	28.63
Electric Energy Inc	**1,580**	**12,023**	**1.96**	**8.34**	**113.6**	**27.31**	**1,730**	**10,706**	**1.78**	**8.47**	**112.0**	**23.98**
Joppa (IL)	1,580	12,023	1.96	8.34	113.6	27.31	1,730	10,706	1.78	8.47	112.0	23.98
Empire District Electric Co	**951**	**9,170**	**.53**	**5.15**	**97.0**	**17.78**	**120**	**10,919**	**2.18**	**8.49**	**122.3**	**26.71**
Riverton (KS)	210	9,883	1.03	6.00	110.6	21.87	77	10,563	1.62	7.17	116.5	24.60
Asbury (MO)	741	8,968	.39	4.91	92.7	16.63	43	11,554	3.19	10.85	131.9	30.48
Florida Power Corp[1]	**5,034**	**12,632**	**.83**	**8.64**	**181.4**	**45.84**	**402**	**12,622**	**.91**	**9.28**	**163.0**	**41.14**
Crystal River (FL)	5,034	12,632	.83	8.64	181.4	45.84	402	12,622	.91	9.28	163.0	41.14
Fremont City of	**192**	**8,619**	**.34**	**4.77**	**82.5**	**14.23**	**3**	**10,842**	**.60**	**6.39**	**160.3**	**34.76**
Wright (NE)	192	8,619	.34	4.77	82.5	14.23	3	10,842	.60	6.39	160.3	34.76
Gainesville Regional Utilities	**478**	**13,219**	**.63**	**7.18**	**175.9**	**46.49**	**11**	**13,016**	**.69**	**6.84**	**182.5**	**47.51**
Deerhaven (FL)	478	13,219	.63	7.18	175.9	46.49	11	13,016	.69	6.84	182.5	47.51
Georgia Power Co	**19,151**	**12,042**	**1.81**	**10.19**	**189.1**	**45.55**	**5,236**	**11,514**	**.99**	**9.31**	**145.9**	**33.60**
Arkwright (GA)	30	12,925	1.61	10.31	195.4	50.51	5	13,261	2.33	8.14	160.7	42.62
Atkinson-Mcdonough (GA)	892	11,829	1.96	10.24	181.0	42.81	329	12,397	2.00	9.95	139.9	34.70
Bowen (GA)	7,919	12,132	1.61	10.61	169.3	41.08	429	12,447	1.29	10.15	124.4	30.98
Hammond (GA)	1,016	13,007	1.59	9.76	177.8	46.24	53	13,224	1.94	7.86	150.8	39.89
Harllee Branch (GA)	1,606	12,487	1.44	10.08	179.8	44.91	1,766	12,277	1.31	9.91	140.3	34.44
Mitchell (GA)	96	12,221	1.47	11.23	208.5	50.95	—	—	—	—	—	—
Yates (GA)	1,562	11,932	2.21	10.13	197.7	47.18	149	10,624	1.08	13.97	152.9	32.48
Wansley (GA)	3,969	11,292	2.83	9.45	207.9	46.95	430	9,473	.60	13.48	155.1	29.39
Scherer (GA)	2,061	12,478	.67	10.24	239.6	59.80	2,075	10,971	.53	7.36	155.0	34.02
Grand Haven City of	**84**	**11,037**	**2.44**	**9.17**	**162.7**	**35.92**	**96**	**11,223**	**2.78**	**11.36**	**156.7**	**35.18**
J B Simms (MI)	84	11,037	2.44	9.17	162.7	35.92	96	11,223	2.78	11.36	156.7	35.18
Grand Island City of	**34**	**8,325**	**.35**	**6.21**	**70.9**	**11.80**	**324**	**8,366**	**.32**	**5.87**	**70.1**	**11.73**
Platte (NE)	34	8,325	.35	6.21	70.9	11.80	324	8,366	.32	5.87	70.1	11.73
Grand River Dam Authority	**2,987**	**8,537**	**.49**	**4.95**	**98.5**	**16.82**	**499**	**8,524**	**.37**	**4.97**	**88.2**	**15.03**
GRDA No 1 (OK)	2,987	8,537	.49	4.95	98.5	16.82	499	8,524	.37	4.97	88.2	15.03
Gulf Power Co	**1,979**	**12,024**	**2.72**	**8.70**	**220.7**	**53.08**	**1,000**	**12,007**	**2.73**	**7.78**	**129.7**	**31.14**
Crist (FL)	1,074	12,032	2.73	8.73	219.1	52.73	798	11,959	2.71	8.12	127.9	30.58
Scholtz (FL)	—	—	—	—	—	—	68	12,685	2.86	7.08	151.3	38.39
Smith (FL)	905	12,015	2.72	8.66	222.6	53.50	134	11,950	2.75	6.14	128.9	30.80
Gulf States Utilities Co	**2,047**	**8,779**	**.46**	**5.71**	**202.8**	**35.60**	**—**	**—**	**—**	**—**	**—**	**—**
Nelson (LA)	2,047	8,779	.46	5.71	202.8	35.60	—	—	—	—	—	—

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 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Hamilton City of	**55**	**12,414**	**0.70**	**9.34**	**161.7**	**40.15**	—	—	—	—	—	—
Hamilton (OH)	55	12,414	.70	9.34	161.7	40.15	—	—	—	—	—	—
Hastings City of	**283**	**8,611**	**.29**	**4.78**	**91.6**	**15.77**	—	—	—	—	—	—
Hastings (NE)	283	8,611	.29	4.78	91.6	15.77	—	—	—	—	—	—
Holland City of	**109**	**13,031**	**.87**	**6.29**	**175.3**	**45.68**	—	—	—	—	—	—
James De Young (MI)	109	13,031	.87	6.29	175.3	45.68	—	—	—	—	—	—
Holyoke Water Power Co	**48**	**13,033**	**1.50**	**6.13**	**174.8**	**45.55**	**352**	**13,152**	**1.47**	**6.70**	**175.6**	**46.19**
Mount Tom (MA)	48	13,033	1.50	6.13	174.8	45.55	352	13,152	1.47	6.70	175.6	46.19
Hoosier Energy R E C Inc	**2,618**	**11,021**	**3.50**	**11.55**	**131.5**	**28.99**	**253**	**10,980**	**3.18**	**11.88**	**81.5**	**17.90**
Frank E Ratts (IN)	605	11,189	2.96	9.91	135.1	30.23	—	—	—	—	—	—
Merom (IN)	2,013	10,970	3.66	12.04	130.4	28.62	253	10,980	3.18	11.88	81.5	17.90
Houston Lighting & Power Co	**17,101**	**7,493**	**.68**	**10.90**	**210.3**	**31.52**	—	—	—	—	—	—
Limestone (TX)	7,931	6,399	.98	17.75	168.9	21.62	—	—	—	—	—	—
Parish (TX)	9,170	8,440	.42	4.98	237.5	40.08	—	—	—	—	—	—
Illinois Power Co	**5,829**	**11,032**	**2.65**	**10.29**	**148.8**	**32.84**	**822**	**10,760**	**.66**	**7.54**	**138.6**	**29.82**
Baldwin (IL)	4,018	10,842	2.97	10.49	149.6	32.44	232	8,737	.27	4.90	121.8	21.29
Havana (IL)	217	12,810	.72	7.86	166.5	42.66	387	11,825	.57	8.12	146.2	34.59
Hennepin (IL)	711	10,712	2.92	10.70	151.2	32.40	—	—	—	—	—	—
Vermilion (IL)	326	10,642	2.39	12.02	126.0	26.82	69	11,028	2.71	9.90	127.6	28.15
Wood River (IL)	556	12,341	.84	8.29	145.8	36.00	134	11,044	.54	9.23	143.5	31.69
Independence City of	**30**	**12,111**	**3.61**	**11.43**	**157.6**	**38.17**	—	—	—	—	—	—
Blue Valley (MO)	30	12,111	3.61	11.43	157.6	38.17	—	—	—	—	—	—
Indiana Michigan Power Co	**9,938**	**9,165**	**.63**	**5.49**	**125.4**	**22.98**	**1,176**	**8,454**	**.35**	**4.78**	**110.7**	**18.72**
Breed (IN)	114	10,846	3.82	10.68	151.0	32.76	—	—	—	—	—	—
Tanners Creek (IN)	1,686	11,719	1.92	8.43	149.7	35.09	6	10,716	2.52	8.60	112.3	24.07
Rockport (IN)	8,138	8,613	.32	4.80	118.1	20.34	1,170	8,442	.34	4.75	110.7	18.69
Indiana-Kentucky Electric Corp	**3,238**	**11,577**	**3.38**	**10.82**	**109.8**	**25.42**	**923**	**10,862**	**2.46**	**8.75**	**109.3**	**23.74**
Clifty Creek (IN)	3,238	11,577	3.38	10.82	109.8	25.42	923	10,862	2.46	8.75	109.3	23.74
Indianapolis Power & Light Co	**5,204**	**11,192**	**2.43**	**8.16**	**109.7**	**24.56**	**564**	**11,261**	**2.22**	**8.41**	**94.8**	**21.35**
Stout (IN)	1,085	11,108	1.63	8.43	132.9	29.53	—	—	—	—	—	—
Pritchard (IN)	299	11,392	1.05	6.84	125.2	28.53	—	—	—	—	—	—
Petersburg (IN)	3,820	11,201	2.77	8.19	101.9	22.83	564	11,261	2.22	8.41	94.8	21.35
Interstate Power Co	**1,194**	**9,984**	**1.38**	**6.73**	**188.5**	**37.64**	**75**	**11,113**	**1.68**	**9.69**	**154.2**	**34.28**
Dubuque (IA)	129	11,025	2.91	9.40	200.3	44.16	—	—	—	—	—	—
Lansing (IA)	563	8,559	.46	4.83	241.5	41.34	—	—	—	—	—	—
Kapp (IA)	501	11,319	2.03	8.18	140.5	31.80	—	—	—	—	—	—
Fox Lake (MN)	—	—	—	—	—	—	75	11,113	1.68	9.69	154.2	34.28
Iowa Electric Light & Power Co	**846**	**9,425**	**1.27**	**6.88**	**121.1**	**22.83**	**90**	**11,327**	**1.99**	**9.58**	**162.4**	**36.80**
6th St (IA)	18	11,627	2.38	8.50	141.0	32.79	69	11,394	1.94	9.61	162.4	37.02
Praire Creek (IA)	499	9,627	1.53	7.39	129.6	24.96	21	11,109	2.15	9.47	162.3	36.06
Sutherland (IA)	329	9,002	.82	6.04	106.0	19.08	—	—	—	—	—	—
Iowa Power Inc.	**1,530**	**8,441**	**.32**	**4.63**	**100.5**	**16.97**	**863**	**8,256**	**.31**	**4.58**	**72.1**	**11.90**
Council Bluffs (IA)	1,530	8,441	.32	4.63	100.5	16.97	863	8,256	.31	4.58	72.1	11.90
Iowa Public Service Co	**2,880**	**8,737**	**.38**	**5.57**	**87.8**	**15.34**	**2,534**	**8,787**	**.34**	**6.17**	**83.9**	**14.75**
George Neal 1-4 (IA)	2,880	8,737	.38	5.57	87.8	15.34	2,534	8,787	.34	6.17	83.9	14.75
Iowa Southern Utilities Co	**2,033**	**8,724**	**.64**	**6.27**	**114.6**	**20.00**	**797**	**8,362**	**.47**	**6.02**	**84.1**	**14.07**
Burlington (IA)	226	11,608	3.15	8.43	127.4	29.59	150	8,381	1.13	6.73	93.6	15.70
Ottumwa (IA)	1,807	8,362	.32	6.00	112.4	18.80	647	8,358	.32	5.85	81.9	13.69

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 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Iowa-Illinois Gas&Electric Co	**1,773**	**8,754**	**0.68**	**6.74**	**115.5**	**20.22**	**897**	**8,321**	**0.31**	**4.94**	**86.8**	**14.44**
Riverside (IA)	301	10,847	2.40	12.07	130.6	28.34	—	—	—	—	—	—
Louisa (IA)	1,472	8,326	.33	5.65	111.4	18.56	897	8,321	.31	4.94	86.8	14.44
Jacksonville Electric Auth	**2,368**	**12,323**	**.95**	**9.06**	**180.6**	**44.51**	**1,615**	**12,381**	**1.23**	**8.02**	**144.8**	**35.85**
St Johns River (FL)	2,368	12,323	.95	9.06	180.6	44.51	1,615	12,381	1.23	8.02	144.8	35.85
Jamestown City of	—	—	—	—	—	—	**111**	**12,644**	**1.96**	**10.68**	**143.4**	**36.25**
Samuel A Carlson (NY)	—	—	—	—	—	—	111	12,644	1.96	10.68	143.4	36.25
Kansas City City of	**1,164**	**8,952**	**.83**	**6.18**	**133.5**	**23.90**	**187**	**10,365**	**.39**	**8.77**	**126.7**	**26.25**
Kaw (KS)	31	11,719	2.53	10.28	230.4	53.99	75	10,353	.39	9.02	127.0	26.29
Quindaro (KS)	214	11,591	2.59	10.78	218.7	50.70	112	10,373	.39	8.61	126.4	26.23
Nearman (KS)	919	8,244	.36	4.97	101.0	16.65	—	—	—	—	—	—
Kansas City Power & Light Co	**3,399**	**8,785**	**.31**	**4.95**	**91.4**	**16.05**	**4,937**	**9,252**	**.90**	**6.03**	**101.9**	**18.85**
La Cygne (KS)	—	—	—	—	—	—	3,008	9,674	1.29	6.75	105.6	20.42
Hawthorne (MO)	1,100	8,800	.20	4.84	99.4	17.50	363	8,509	.32	4.89	74.5	12.68
Montrose (MO)	—	—	—	—	—	—	1,389	8,627	.29	4.91	104.3	18.00
Iatan (MO)	2,299	8,778	.36	5.01	87.5	15.36	176	8,505	.32	4.78	67.6	11.51
Kansas Power & Light Co	**8,459**	**8,778**	**.33**	**5.17**	**130.8**	**22.97**	—	—	—	—	—	—
Lawrence (KS)	1,098	10,446	.42	7.81	130.0	27.16	—	—	—	—	—	—
Tecumseh (KS)	360	10,417	.42	7.87	130.1	27.11	—	—	—	—	—	—
Jeffrey Energy Cnt (KS)	7,001	8,432	.31	4.62	131.0	22.10	—	—	—	—	—	—
Kentucky Power Co	**1,734**	**12,044**	**.99**	**10.93**	**131.0**	**31.55**	**57**	**12,265**	**.74**	**10.00**	**110.6**	**27.12**
Big Sandy (KY)	1,734	12,044	.99	10.93	131.0	31.55	57	12,265	.74	10.00	110.6	27.12
Kentucky Utilities Co	**3,895**	**12,121**	**1.37**	**10.50**	**120.0**	**29.10**	**1,927**	**11,800**	**1.74**	**9.70**	**109.0**	**25.72**
Brown (KY)	1,170	12,117	1.80	12.23	113.4	27.48	289	11,716	1.52	11.61	109.2	25.60
Ghent (KY)	2,440	12,144	1.07	9.98	124.0	30.11	1,566	11,805	1.79	9.43	108.8	25.69
Green River (KY)	285	11,940	2.24	7.79	113.7	27.15	46	11,922	1.75	7.07	107.8	25.70
Tyrone (KY)	—	—	—	—	—	—	26	12,230	1.02	9.53	119.5	29.23
Lakeland City of	**849**	**12,446**	**1.02**	**10.20**	**197.1**	**49.06**	—	—	—	—	—	—
Plant 3-McIntosh (FL)	849	12,446	1.02	10.20	197.1	49.06	—	—	—	—	—	—
Lansing City of	**668**	**12,964**	**.85**	**7.09**	**188.0**	**48.74**	**226**	**12,772**	**.84**	**8.19**	**166.5**	**42.53**
Eckert (MI)	454	12,969	.84	7.10	189.6	49.17	150	12,773	.84	8.02	166.5	42.54
Erickson (MI)	214	12,953	.85	7.07	184.6	47.83	76	12,768	.86	8.53	166.5	42.52
Los Angeles City of	**3,771**	**11,691**	**.46**	**8.47**	**156.7**	**36.64**	**1,014**	**12,043**	**.49**	**7.65**	**115.5**	**27.83**
Intermountain (UT)	3,771	11,691	.46	8.47	156.7	36.64	1,014	12,043	.49	7.65	115.5	27.83
Louisville Gas & Electric Co	**4,036**	**11,562**	**3.06**	**9.13**	**106.4**	**24.61**	**1,160**	**11,496**	**3.13**	**10.12**	**101.0**	**23.22**
Cane Run (KY)	572	11,633	3.13	9.37	111.3	25.89	350	11,570	3.05	9.76	103.8	24.03
Mill Creek (KY)	2,285	11,691	3.13	9.03	106.8	24.98	449	11,526	3.10	10.33	101.8	23.47
Trimble County (KY)	1,179	11,278	2.88	9.22	103.2	23.27	361	11,388	3.26	10.19	97.1	22.12
Lower Colorado River Authority	**5,576**	**8,545**	**.38**	**5.60**	**135.0**	**23.07**	—	—	—	—	—	—
S Seymour-Fayette (TX)	5,576	8,545	.38	5.60	135.0	23.07	—	—	—	—	—	—
Madison Gas & Electric Co	**79**	**12,103**	**2.16**	**8.55**	**165.2**	**39.99**	**12**	**12,794**	**.76**	**7.56**	**185.5**	**47.47**
Blount (WI)	79	12,103	2.16	8.55	165.2	39.99	12	12,794	.76	7.56	185.5	47.47
Manitowoc City of	—	—	—	—	—	—	**143**	**13,315**	**1.01**	**6.17**	**170.7**	**45.45**
Manitowoc (WI)	—	—	—	—	—	—	143	13,315	1.01	6.17	170.7	45.45
Marquette City of	**163**	**8,746**	**.45**	**6.17**	**185.4**	**32.42**	—	—	—	—	—	—
Shiras (MI)	163	8,746	.45	6.17	185.4	32.42	—	—	—	—	—	—
Metropolitan Edison Co	**1,047**	**13,210**	**1.75**	**6.56**	**161.2**	**42.59**	—	—	—	—	—	—

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

Table 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Metropolitan Edison Co												
Portland (PA)	658	13,216	1.84	6.38	155.4	41.08	—	—	—	—	—	—
Titus (PA)	389	13,199	1.60	6.87	171.0	45.15	—	—	—	—	—	—
Michigan South Central Pwr Agy	**127**	**11,923**	**3.07**	**7.11**	**203.1**	**48.43**	—	—	—	—	—	—
Project I (MI)	127	11,923	3.07	7.11	203.1	48.43	—	—	—	—	—	—
Minnesota Power & Light Co	**3,498**	**8,820**	**.59**	**8.52**	**149.6**	**26.39**	**122**	**9,156**	**0.52**	**6.09**	**120.6**	**22.09**
Aurora-Syl Laskin (MN)	39	8,786	.54	8.47	189.1	33.23	15	9,925	.92	7.86	167.4	33.22
Boswell (MN)	3,459	8,821	.59	8.52	149.2	26.31	108	9,051	.47	5.85	113.7	20.58
Minnkota Power Coop Inc	**4,056**	**6,885**	**1.24**	**7.97**	**45.4**	**6.25**	—	—	—	—	—	—
Young (ND)	4,056	6,885	1.24	7.97	45.4	6.25	—	—	—	—	—	—
Mississippi Power Co	**2,536**	**12,768**	**1.75**	**7.93**	**158.5**	**40.48**	**396**	**11,491**	**1.57**	**7.18**	**143.5**	**32.98**
Watson (MS)	1,317	12,586	2.70	8.49	146.0	36.75	203	12,053	2.61	8.22	131.8	31.78
Daniel (MS)	1,219	12,965	.72	7.33	171.6	44.50	193	10,902	.49	6.09	157.0	34.23
Missouri Public Service Comm	**509**	**11,026**	**2.91**	**9.79**	**161.7**	**35.66**	**448**	**10,942**	**2.69**	**9.26**	**132.8**	**29.06**
Sibley (MO)	509	11,026	2.91	9.79	161.7	35.66	448	10,942	2.69	9.26	132.8	29.06
Monongahela Power Co	**8,894**	**12,891**	**2.67**	**9.24**	**140.8**	**36.29**	**1,669**	**12,684**	**2.08**	**10.19**	**105.5**	**26.76**
Albright (WV)	84	13,023	1.41	11.09	122.5	31.91	467	12,394	1.48	12.66	102.3	25.36
Ft Martin (WV)	2,456	12,762	1.79	10.07	155.3	39.65	208	12,247	.78	11.75	126.6	31.00
Harrison (WV)	4,247	13,171	3.04	7.66	144.3	38.01	340	13,171	2.98	8.13	105.7	27.85
Rivesville (WV)	7	12,139	1.02	14.04	128.0	31.06	170	12,269	.94	10.74	117.2	28.77
Willow Island (WV)	175	12,472	1.49	10.95	118.0	29.42	111	12,754	1.34	8.49	115.9	29.57
Pleasants (WV)	1,925	12,472	3.14	11.41	116.5	29.06	574	12,899	2.98	9.01	95.2	24.56
Montana Power Co	**10,173**	**8,567**	**.65**	**8.81**	**66.4**	**11.38**	—	—	—	—	—	—
Corette (MT)	512	8,690	.63	7.90	73.9	12.84	—	—	—	—	—	—
Colstrip (MT)	9,661	8,560	.65	8.86	66.0	11.31	—	—	—	—	—	—
Montana-Dakota Utilities Co	**2,354**	**6,876**	**1.10**	**8.21**	**83.1**	**11.43**	—	—	—	—	—	—
Heskett (ND)	403	7,060	.89	8.21	105.2	14.85	—	—	—	—	—	—
Lewis and Clark (MT)	225	6,509	.57	8.70	108.5	14.13	—	—	—	—	—	—
Coyote (ND)	1,727	6,881	1.21	8.15	74.6	10.27	—	—	—	—	—	—
Montaup Electric Co	**284**	**12,910**	**1.10**	**7.93**	**182.3**	**47.07**	—	—	—	—	—	—
Somerset (MA)	284	12,910	1.10	7.93	182.3	47.07	—	—	—	—	—	—
Muscatine City of	**541**	**11,021**	**2.97**	**7.56**	**215.4**	**47.47**	—	—	—	—	—	—
Muscatine (IA)	541	11,021	2.97	7.56	215.4	47.47	—	—	—	—	—	—
Nebraska Public Power District	**4,123**	**8,773**	**.37**	**5.03**	**83.1**	**14.58**	**9**	**11,207**	**.59**	**5.10**	**114.4**	**25.64**
Sheldon (NE)	746	8,773	.37	5.05	78.2	13.73	9	11,207	.59	5.10	114.4	25.64
Gerald Gentleman (NE)	3,377	8,773	.36	5.03	84.2	14.77	—	—	—	—	—	—
Nevada Power Co	**1,676**	**11,913**	**.57**	**9.79**	**181.3**	**43.19**	—	—	—	—	—	—
Gardner (NV)	1,676	11,913	.57	9.79	181.3	43.19	—	—	—	—	—	—
New England Power Co	**3,238**	**13,105**	**1.24**	**8.59**	**171.6**	**44.99**	**356**	**13,659**	**.81**	**5.93**	**169.1**	**46.20**
Brayton (MA)	2,437	13,094	1.19	8.33	171.5	44.91	276	13,564	.81	6.40	168.7	45.77
Salem Harbor (MA)	801	13,139	1.41	9.38	172.1	45.23	80	13,988	.79	4.31	170.4	47.67
New York State Elec & Gas Corp	**1,628**	**13,152**	**2.56**	**8.23**	**140.6**	**37.00**	**2,040**	**12,208**	**1.63**	**13.13**	**152.3**	**37.17**
Goudey (NY)	—	—	—	—	—	—	276	12,940	1.62	8.82	149.7	38.75
Greenidge (NY)	—	—	—	—	—	—	305	12,563	1.81	10.57	148.9	37.42
Hickling (NY)	—	—	—	—	—	—	269	10,815	1.00	21.34	142.5	30.82
Jennison (NY)	—	—	—	—	—	—	242	11,002	.98	20.21	162.4	35.75
Milliken (NY)	—	—	—	—	—	—	846	12,519	1.89	11.56	156.1	39.09
Kintigh (NY)	1,628	13,152	2.56	8.23	140.6	37.00	102	13,123	2.13	6.92	139.0	36.49

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 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Niagara Mohawk Power Corp	**2,463**	**13,126**	**1.95**	**7.52**	**154.5**	**40.55**	**752**	**13,235**	**2.01**	**6.92**	**140.0**	**37.05**
Huntley (NY)	1,460	13,131	1.80	7.52	158.3	41.58	269	13,306	1.83	6.86	143.5	38.18
Dunkirk (NY)	1,004	13,119	2.18	7.53	148.8	39.05	483	13,196	2.12	6.95	138.0	36.42
Northern Indiana Pub Serv Co	**3,318**	**11,074**	**2.11**	**8.45**	**165.5**	**36.66**	**2,997**	**10,789**	**1.41**	**7.85**	**137.3**	**29.62**
Bailly (IN)	232	10,969	3.02	10.30	155.3	34.07	292	11,192	2.94	10.40	126.0	28.21
Mitchell (IN)	—	—	—	—	—	—	1,027	9,566	.44	5.90	130.9	25.04
Michigan City (IN)	542	11,100	2.04	8.23	163.9	36.39	776	11,240	3.10	8.07	112.3	25.25
Rollin Schahfer (IN)	2,544	11,078	2.04	8.33	166.8	36.96	902	11,662	.55	9.05	167.4	39.05
Northern States Power Co	**12,263**	**8,758**	**.43**	**6.70**	**118.7**	**20.80**	**—**	**—**	**—**	**—**	**—**	**—**
Black Dog (MN)	583	8,847	.27	4.99	126.5	22.39	—	—	—	—	—	—
High Bridge (MN)	310	8,801	.23	4.48	105.8	18.62	—	—	—	—	—	—
King (MN)	1,695	8,827	.34	5.83	115.5	20.39	—	—	—	—	—	—
Riverside (MN)	1,017	8,785	.23	4.48	110.0	19.33	—	—	—	—	—	—
Sherburne County (MN)	8,658	8,733	.49	7.32	120.3	21.02	—	—	—	—	—	—
Ohio Edison Co	**4,551**	**12,392**	**1.62**	**10.86**	**140.1**	**34.71**	**2,777**	**11,980**	**2.86**	**11.51**	**108.9**	**26.09**
Edgewater (OH)	—	—	—	—	—	—	168	11,899	1.79	10.60	137.9	32.81
Gorge Steam (OH)	—	—	—	—	—	—	45	12,770	2.28	6.28	146.8	37.50
Niles (OH)	—	—	—	—	—	—	557	11,882	2.78	11.41	111.4	26.47
Burger (OH)	452	12,082	2.76	11.91	148.4	35.87	545	12,006	3.77	10.75	96.2	23.10
Sammis (OH)	4,066	12,430	1.48	10.72	139.3	34.64	1,259	12,016	2.52	11.97	108.9	26.17
Toronto (OH)	34	11,962	3.36	12.58	118.3	28.30	203	11,845	3.86	12.86	103.5	24.53
Ohio Power Co	**13,518**	**11,578**	**3.37**	**13.36**	**171.0**	**39.60**	**846**	**12,151**	**2.64**	**11.82**	**117.5**	**28.55**
Muskingum (OH)	2,677	11,483	4.69	12.65	176.1	40.43	371	12,119	.64	11.73	148.3	35.95
Tidd (OH)	20	12,180	3.28	12.21	131.3	31.99	—	—	—	—	—	—
Kammer (WV)	1,526	12,206	4.39	12.53	145.5	35.52	414	12,296	4.36	12.00	92.9	22.84
Mitchell (WV)	2,630	11,920	1.47	16.39	191.3	45.61	—	—	—	—	—	—
Gavin (OH)	6,666	11,337	3.35	12.65	166.9	37.84	61	11,349	3.20	11.03	97.5	22.13
Ohio Valley Electric Corp	**2,304**	**12,279**	**4.01**	**10.06**	**132.1**	**32.44**	**960**	**11,286**	**3.32**	**11.14**	**106.9**	**24.12**
Kyger Creek (OH)	2,304	12,279	4.01	10.06	132.1	32.44	960	11,286	3.32	11.14	106.9	24.12
Oklahoma Gas & Electric Co	**6,028**	**8,968**	**.42**	**5.24**	**129.5**	**23.23**	**1,720**	**8,786**	**.37**	**5.05**	**105.2**	**18.49**
Muskogee (OK)	3,637	9,074	.44	5.35	130.2	23.64	978	8,796	.37	5.04	104.1	18.31
Sooner (OK)	2,391	8,807	.40	5.08	128.4	22.62	742	8,774	.37	5.06	106.7	18.73
Omaha Public Power District	**2,306**	**8,244**	**.34**	**4.88**	**64.1**	**10.57**	**1,633**	**8,377**	**.35**	**4.81**	**62.8**	**10.52**
North Omaha (NE)	1,089	8,239	.35	4.89	64.9	10.69	497	8,323	.43	5.41	63.7	10.60
Nebraska City (NE)	1,217	8,248	.34	4.88	63.5	10.47	1,136	8,401	.31	4.54	62.4	10.48
Orange & Rockland Utils Inc	**531**	**13,063**	**.55**	**7.11**	**215.6**	**56.32**	**180**	**12,992**	**.57**	**7.23**	**184.9**	**48.05**
Lovett (NY)	531	13,063	.55	7.11	215.6	56.32	180	12,992	.57	7.23	184.9	48.05
Orlando Utilities Comm	**1,036**	**12,669**	**.77**	**8.68**	**194.0**	**49.16**	**—**	**—**	**—**	**—**	**—**	**—**
Stanton Energy (FL)	1,036	12,669	.77	8.68	194.0	49.16	—	—	—	—	—	—
Orrville City of	**175**	**11,533**	**3.63**	**10.91**	**104.2**	**24.04**	**—**	**—**	**—**	**—**	**—**	**—**
Orrville (OH)	175	11,533	3.63	10.91	104.2	24.04	—	—	—	—	—	—
Otter Tail Power Co	**2,327**	**6,026**	**.87**	**9.04**	**113.3**	**13.65**	**157**	**9,252**	**.27**	**3.87**	**131.4**	**24.31**
Hoot Lake (MN)	1	6,928	.81	7.31	177.7	24.62	157	9,252	.27	3.87	131.4	24.31
Big Stone (SD)	2,326	6,025	.87	9.04	113.3	13.65	—	—	—	—	—	—
Owensboro City of	**380**	**10,871**	**3.00**	**10.61**	**116.1**	**25.24**	**446**	**11,529**	**2.93**	**8.77**	**101.7**	**23.45**
Smith (KY)	380	10,871	3.00	10.61	116.1	25.24	446	11,529	2.93	8.77	101.7	23.45
PacifiCorp	**25,079**	**9,496**	**.57**	**11.05**	**103.7**	**19.69**	**3,103**	**9,088**	**.43**	**7.72**	**64.7**	**11.76**
Carbon (UT)	—	—	—	—	—	—	527	11,768	.46	8.66	89.9	21.15
Centralia (WA)	4,890	8,003	.67	14.90	154.7	24.77	—	—	—	—	—	—
Johnston (WY)	2,330	7,520	.43	11.84	69.0	10.37	1,973	8,186	.37	7.03	51.2	8.39

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

Table 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
PacifiCorp												
Naughton (WY)	2,210	9,820	0.71	4.87	121.0	23.76	—	—	—	—	—	—
Wyodak (WY)	1,712	7,928	.67	8.06	63.1	10.00	—	—	—	—	—	—
Emery-Hunter (UT)	4,099	11,303	.47	12.35	80.9	18.28	—	—	—	—	—	—
Jim Bridger (WY)	7,125	9,651	.62	9.58	107.9	20.83	603	9,695	0.64	9.17	75.2	14.59
Huntington (UT)	2,713	11,471	.42	12.30	89.3	20.49	—	—	—	—	—	—
Painesville City of	**92**	**12,185**	**2.85**	**7.95**	**138.9**	**33.85**	—	—	—	—	—	—
Painesville (OH)	92	12,185	2.85	7.95	138.9	33.85	—	—	—	—	—	—
Pennsylvania Electric Co	**12,216**	**12,105**	**1.88**	**15.61**	**151.1**	**36.59**	**4,315**	**12,415**	**1.76**	**12.59**	**118.9**	**29.51**
Conemaugh (PA)	3,114	12,462	2.17	14.14	154.1	38.42	1,419	12,533	2.24	13.02	111.1	27.85
Homer City (PA)	4,296	11,619	1.95	18.90	154.3	35.85	1,025	12,501	1.01	11.37	143.4	35.86
Seward (PA)	—	—	—	—	—	—	563	12,087	1.55	13.82	108.7	26.27
Shawville (PA)	790	12,252	1.96	13.39	115.5	28.30	683	12,294	1.87	13.39	106.9	26.29
Warren (PA)	—	—	—	—	—	—	188	12,254	1.88	11.60	124.2	30.45
Keystone (PA)	4,016	12,321	1.57	13.68	152.6	37.60	437	12,517	2.03	11.60	115.3	28.86
Pennsylvania Power & Light Co	**7,662**	**12,368**	**1.82**	**14.07**	**188.4**	**46.61**	**1,258**	**10,586**	**1.32**	**21.66**	**123.8**	**26.20**
Brunner Island (PA)	3,293	12,425	1.85	13.81	192.3	47.79	150	13,190	1.70	8.45	140.7	37.10
Holtwood (PA)	32	7,245	.69	36.90	107.5	15.58	193	8,620	.56	28.63	117.3	20.22
Martins Creek (PA)	476	12,625	2.01	12.67	217.7	54.96	71	13,274	1.80	8.02	148.4	39.39
Montour (PA)	3,391	12,514	1.80	13.50	186.9	46.77	192	12,527	1.76	13.32	141.5	35.45
Sunbury (PA)	470	11,006	1.61	19.86	140.3	30.89	652	9,704	1.27	26.58	109.7	21.30
Pennsylvania Power Co	**5,625**	**12,164**	**3.84**	**11.64**	**160.8**	**39.12**	**294**	**12,131**	**1.37**	**9.80**	**124.4**	**30.18**
New Castle (PA)	322	12,313	1.46	11.10	138.2	34.04	294	12,131	1.37	9.80	124.4	30.18
Bruce Mansfield (PA)	5,303	12,155	3.99	11.67	162.2	39.43	—	—	—	—	—	—
Philadelphia Electric Co	**560**	**13,221**	**1.74**	**7.49**	**168.1**	**44.44**	**24**	**13,015**	**2.08**	**8.51**	**159.2**	**41.44**
Cromby (PA)	99	13,231	1.86	7.02	163.7	43.32	—	—	—	—	—	—
Eddystone (PA)	461	13,219	1.71	7.59	169.0	44.69	24	13,015	2.08	8.51	159.2	41.44
Plains Elec Gen&Trans Coop Inc	**874**	**8,996**	**.66**	**18.66**	**131.2**	**23.62**	—	—	—	—	—	—
Escalante (NM)	874	8,996	.66	18.66	131.2	23.62	—	—	—	—	—	—
Platte River Power Authority	**1,001**	**8,812**	**.31**	**5.42**	**75.7**	**13.33**	—	—	—	—	—	—
Rawhide (CO)	1,001	8,812	.31	5.42	75.7	13.33	—	—	—	—	—	—
Portland General Electric Co	**898**	**8,418**	**.31**	**4.57**	**109.2**	**18.39**	**821**	**8,441**	**.32**	**4.63**	**107.5**	**18.15**
Boardman (OR)	898	8,418	.31	4.57	109.2	18.39	821	8,441	.32	4.63	107.5	18.15
Potomac Edison Co	**130**	**13,538**	**1.04**	**8.59**	**146.2**	**39.58**	**116**	**12,477**	**.92**	**12.49**	**134.0**	**33.45**
Smith (MD)	130	13,538	1.04	8.59	146.2	39.58	116	12,477	.92	12.49	134.0	33.45
Potomac Electric Power Co	**4,837**	**12,695**	**1.59**	**11.47**	**173.5**	**44.04**	**1,050**	**12,831**	**1.17**	**9.38**	**156.9**	**40.28**
Chalk (MD)	1,369	12,564	1.78	12.54	177.8	44.68	1	12,735	1.56	12.70	171.8	43.76
Dickerson (MD)	875	12,733	1.45	9.90	150.2	38.26	416	12,713	1.47	10.13	137.6	34.98
Morgantown (MD)	2,120	12,718	1.69	12.19	178.0	45.28	207	13,047	1.45	10.35	166.4	43.41
Potomac River (VA)	473	12,902	.85	8.08	183.5	47.36	426	12,842	.75	8.16	171.0	43.92
Public Service Co of Colorado	**6,662**	**9,329**	**.36**	**6.09**	**116.3**	**21.69**	**741**	**10,922**	**.42**	**9.72**	**106.2**	**23.20**
Arapahoe (CO)	112	10,945	.62	7.80	118.5	25.93	351	10,865	.42	9.25	110.1	23.93
Cameo (CO)	222	11,337	.57	9.10	98.3	22.29	7	11,942	.44	6.79	97.4	23.25
Cherokee (CO)	1,873	10,970	.41	8.97	117.1	25.68	83	10,951	.43	11.08	95.9	21.01
Comanche (CO)	2,291	8,520	.33	4.72	120.2	20.49	—	—	—	—	—	—
Valmont (CO)	136	10,917	.62	7.86	113.5	24.77	300	10,960	.42	9.94	104.7	22.95
Pawnee (CO)	2,027	8,312	.31	4.44	113.5	18.86	—	—	—	—	—	—
Public Service Co of IN Inc	**9,497**	**10,816**	**2.39**	**10.51**	**155.6**	**33.65**	**3,038**	**11,221**	**1.94**	**9.73**	**112.6**	**25.28**
Cayuga (IN)	1,957	10,799	2.19	10.93	125.4	27.08	480	11,062	2.13	9.45	114.7	25.38
Edwardsport (IN)	—	—	—	—	—	—	73	11,073	2.40	10.73	90.3	20.00
Noblesville (IN)	—	—	—	—	—	—	99	11,181	2.28	9.42	117.8	26.34

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

Table 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Public Service Co of IN Inc												
Gallagher (IN)	623	11,009	2.27	8.20	143.6	31.61	520	11,415	2.32	8.61	109.2	24.93
Wabash River (IN)	549	10,891	2.10	10.37	140.3	30.56	874	10,990	2.03	9.81	113.6	24.96
Gibson Station (IN)	6,368	10,796	2.49	10.62	167.3	36.13	992	11,416	1.51	10.34	113.8	25.98
Public Service Co of NH	**1,117**	**13,222**	**1.46**	**6.47**	**174.0**	**46.02**	**167**	**13,417**	**1.19**	**6.22**	**176.8**	**47.45**
Merrimack (NH)	910	13,275	1.68	6.65	174.1	46.23	50	13,495	2.38	6.16	167.9	45.32
Schiller (NH)	207	12,989	.52	5.65	173.6	45.10	117	13,384	.69	6.24	180.6	48.34
Public Service Co of NM	**4,336**	**9,604**	**.84**	**23.10**	**185.0**	**35.53**	**—**	**—**	**—**	**—**	**—**	**—**
San Juan (NM)	4,336	9,604	.84	23.10	185.0	35.53	—	—	—	—	—	—
Public Service Co of Oklahoma	**3,546**	**8,777**	**.46**	**5.71**	**160.2**	**28.12**	**20**	**11,880**	**.57**	**8.72**	**146.3**	**34.76**
Northeastern (OK)	3,546	8,777	.46	5.71	160.2	28.12	20	11,880	.57	8.72	146.3	34.76
Public Service Electric&Gas Co	**1,146**	**13,779**	**.82**	**5.71**	**180.5**	**49.74**	**101**	**12,988**	**.77**	**7.88**	**177.9**	**46.21**
Hudson (NJ)	422	13,080	.80	7.72	185.1	48.43	89	12,867	.77	8.26	178.8	46.01
Mercer (NJ)	723	14,187	.82	4.54	178.0	50.50	12	13,916	.77	4.93	171.3	47.69
Richmond City of	**197**	**11,391**	**2.68**	**8.85**	**163.5**	**37.26**	**48**	**11,734**	**2.27**	**9.44**	**133.1**	**31.24**
Whitewater (IN)	197	11,391	2.68	8.85	163.5	37.26	48	11,734	2.27	9.44	133.1	31.24
Rochester City of	**58**	**12,115**	**1.77**	**7.52**	**160.9**	**38.98**	**13**	**9,413**	**1.28**	**7.09**	**141.2**	**26.58**
Silver Lake (MN)	58	12,115	1.77	7.52	160.9	38.98	13	9,413	1.28	7.09	141.2	26.58
Rochester Gas & Electric Corp	**596**	**13,241**	**2.20**	**7.37**	**159.5**	**42.24**	**60**	**13,090**	**2.14**	**7.36**	**141.9**	**37.16**
Rochester 3 (NY)	170	13,274	2.16	7.39	159.2	42.26	9	13,098	2.27	7.85	138.6	36.32
Rochester 7 (NY)	426	13,228	2.22	7.36	159.6	42.23	50	13,088	2.12	7.28	142.5	37.31
S Mississippi Elec Pwr Assn	**795**	**12,406**	**.98**	**9.04**	**205.4**	**50.96**	**—**	**—**	**—**	**—**	**—**	**—**
R D Morrow (MS)	795	12,406	.98	9.04	205.4	50.96	—	—	—	—	—	—
Salt River Proj Ag I & P Dist	**9,876**	**10,743**	**.51**	**10.09**	**121.9**	**26.19**	**—**	**—**	**—**	**—**	**—**	**—**
Navajo (AZ)	7,869	11,017	.51	8.91	102.2	22.53	—	—	—	—	—	—
Coronado (AZ)	2,006	9,669	.53	14.70	209.6	40.54	—	—	—	—	—	—
San Antonio City of	**2,652**	**8,335**	**.34**	**5.90**	**130.7**	**21.79**	**1,279**	**8,529**	**.33**	**5.65**	**118.3**	**20.19**
J T Deely (TX)	2,652	8,335	.34	5.90	130.7	21.79	1,279	8,529	.33	5.65	118.3	20.19
San Miguel Electric Coop Inc	**3,076**	**5,420**	**1.84**	**24.58**	**92.0**	**9.97**	**—**	**—**	**—**	**—**	**—**	**—**
San Miguel (TX)	3,076	5,420	1.84	24.58	92.0	9.97	—	—	—	—	—	—
Savannah Electric & Power Co	**—**	**—**	**—**	**—**	**—**	**—**	**307**	**12,522**	**1.04**	**9.70**	**160.8**	**40.28**
Port Wentworth (GA)	—	—	—	—	—	—	189	12,646	.87	9.63	165.3	41.82
McIntosh (GA)	—	—	—	—	—	—	118	12,323	1.29	9.83	153.4	37.81
Seminole Electric Coop Inc	**2,742**	**12,090**	**2.87**	**8.43**	**209.2**	**50.59**	**540**	**12,260**	**2.09**	**9.11**	**167.9**	**41.16**
Seminole (FL)	2,742	12,090	2.87	8.43	209.2	50.59	540	12,260	2.09	9.11	167.9	41.16
Sierra Pacific Power Co	**1,346**	**10,766**	**.41**	**8.29**	**196.1**	**42.22**	**—**	**—**	**—**	**—**	**—**	**—**
North Valmy (NV)	1,346	10,766	.41	8.29	196.1	42.22	—	—	—	—	—	—
Sikeston City of	**362**	**11,656**	**2.52**	**10.64**	**172.3**	**40.17**	**383**	**11,644**	**2.51**	**10.83**	**107.6**	**25.06**
Sikeston (MO)	362	11,656	2.52	10.64	172.3	40.17	383	11,644	2.51	10.83	107.6	25.06
South Carolina Electric&Gas Co	**3,289**	**12,894**	**1.16**	**8.53**	**164.1**	**42.31**	**932**	**12,802**	**1.15**	**8.66**	**151.9**	**38.89**
Canadys (SC)	453	12,864	1.34	8.48	165.2	42.51	113	12,883	1.25	8.03	155.3	40.01
Mcmeekin (SC)	384	13,067	1.47	8.79	162.0	42.33	187	12,709	1.18	9.20	149.6	38.02
Urquhart (SC)	217	12,965	1.37	8.92	164.6	42.69	159	12,760	1.17	7.73	160.3	40.91
Wateree (SC)	800	12,899	1.19	8.78	160.9	41.50	423	12,847	1.12	8.89	148.5	38.15
Williams (SC)	1,436	12,845	.97	8.29	166.0	42.64	49	12,711	1.05	9.03	154.7	39.32
South Carolina Pub Serv Auth	**2,564**	**12,423**	**1.26**	**10.14**	**180.0**	**44.71**	**2,076**	**12,830**	**1.22**	**8.78**	**141.9**	**36.42**

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

Table 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
South Carolina Pub Serv Auth												
Cross (SC)	844	12,370	1.19	9.98	180.8	44.72	591	12,539	1.16	9.25	139.0	34.86
Grainger (SC)	—	—	—	—	—	—	98	13,443	2.00	8.70	158.4	42.60
Jefferies (SC)	368	12,134	1.81	10.85	166.7	40.45	213	12,484	1.63	10.23	139.0	34.71
Winyah (SC)	1,353	12,534	1.15	10.05	183.0	45.86	1,174	12,988	1.11	8.28	142.5	37.01
Southern California Edison Co	**5,062**	**10,953**	**.49**	**10.21**	**111.5**	**24.43**	—	—	—	—	—	—
Mohave (NV)	5,062	10,953	.49	10.21	111.5	24.43	—	—	—	—	—	—
Southern Illinois Power Coop	**204**	**11,402**	**2.86**	**13.06**	**109.3**	**24.93**	**391**	**9,749**	**2.71**	**20.03**	**71.9**	**14.02**
Marion (IL)	204	11,402	2.86	13.06	109.3	24.93	391	9,749	2.71	20.03	71.9	14.02
Southern Indiana Gas & Elec Co	**2,314**	**11,285**	**3.06**	**8.45**	**148.7**	**33.57**	**243**	**11,208**	**1.31**	**7.61**	**142.5**	**31.93**
Culley (IN)	783	11,020	2.64	8.74	157.7	34.75	243	11,208	1.31	7.61	142.5	31.93
A B Brown (IN)	1,095	11,567	3.44	8.12	154.7	35.79	—	—	—	—	—	—
Warrick (IN)	437	11,050	2.86	8.77	117.0	25.85	—	—	—	—	—	—
Southwestern Electric Power Co	**7,754**	**7,767**	**.85**	**7.30**	**179.0**	**27.81**	**1,626**	**8,339**	**.33**	**4.45**	**162.9**	**27.16**
Flint Creek (AR)	1,237	8,374	.32	4.63	163.4	27.36	441	8,318	.33	4.37	126.7	21.08
Welsh Station (TX)	3,707	8,376	.33	4.65	211.9	35.50	1,185	8,347	.33	4.48	176.3	29.43
Pirkey (TX)	2,810	6,695	1.76	11.97	133.4	17.86	—	—	—	—	—	—
Southwestern Public Service Co	**7,267**	**8,763**	**.34**	**4.99**	**176.7**	**30.97**	**509**	**8,724**	**.35**	**5.02**	**111.6**	**19.48**
Harrington (TX)	4,023	8,796	.34	4.99	158.3	27.85	72	8,791	.36	5.04	113.6	19.97
Tolk (TX)	3,244	8,722	.35	5.00	199.7	34.84	437	8,713	.35	5.02	111.3	19.40
Springfield City of	**668**	**11,591**	**2.34**	**8.62**	**135.9**	**31.50**	—	—	—	—	—	—
James River (MO)	169	11,549	2.30	8.55	135.3	31.26	—	—	—	—	—	—
Southwest (MO)	499	11,606	2.36	8.64	136.1	31.58	—	—	—	—	—	—
Springfield City of	**989**	**10,388**	**2.94**	**9.38**	**135.6**	**28.18**	—	—	—	—	—	—
Dallman (IL)	928	10,385	2.94	9.39	135.5	28.13	—	—	—	—	—	—
Lakeside (IL)	61	10,433	2.95	9.26	138.5	28.89	—	—	—	—	—	—
St Joseph Light & Power Co	—	—	—	—	—	—	**195**	**11,953**	**3.43**	**12.41**	**139.4**	**33.33**
Lakeroad (MO)	—	—	—	—	—	—	195	11,953	3.43	12.41	139.4	33.33
Sunflower Electric Power Corp	**1,297**	**8,470**	**.35**	**4.99**	**103.3**	**17.50**	—	—	—	—	—	—
Holcomb (KS)	1,297	8,470	.35	4.99	103.3	17.50	—	—	—	—	—	—
Tacoma Public Utilities	—	—	—	—	—	—	**27**	**10,004**	**.46**	**12.76**	**209.0**	**41.82**
Steam No.2 (WA)	—	—	—	—	—	—	27	10,004	.46	12.76	209.0	41.82
Tampa Electric Co	**4,981**	**12,325**	**2.16**	**7.79**	**206.6**	**50.92**	**1,423**	**12,028**	**2.50**	**8.03**	**131.9**	**31.72**
Big Bend (FL)	4,377	12,270	2.29	7.95	202.8	49.77	1,423	12,028	2.50	8.03	131.9	31.72
Gannon (FL)	604	12,720	1.20	6.65	233.0	59.28	—	—	—	—	—	—
Tennessee Valley Authority	**30,891**	**11,868**	**2.35**	**10.48**	**123.3**	**29.26**	**1,542**	**11,934**	**1.43**	**9.84**	**125.4**	**29.92**
Colbert (AL)	2,611	11,748	1.46	10.60	133.3	31.31	401	12,100	1.01	12.07	123.7	29.95
Widows Creek (AL)	2,444	12,088	2.38	10.97	124.6	30.13	206	11,975	2.30	8.95	127.3	30.48
Paradise (KY)	5,770	10,751	4.01	16.51	107.8	23.17	—	—	—	—	—	—
Shawnee (KY)	2,062	12,080	1.41	9.49	129.6	31.31	210	12,426	.66	9.22	138.0	34.29
Allen (TN)	1,269	12,096	2.05	8.68	123.1	29.77	25	11,003	1.93	7.70	123.5	27.18
Bull Run (TN)	1,911	12,764	1.12	8.62	123.6	31.56	17	12,739	.95	11.12	74.7	19.03
Cumberland (TN)	5,569	11,580	2.75	7.98	125.7	29.11	78	11,295	2.54	8.78	117.0	26.44
Gallatin (TN)	2,413	12,108	2.84	9.05	122.9	29.77	—	—	—	—	—	—
Sevier (TN)	1,731	12,883	1.67	9.48	127.7	32.91	—	—	—	—	—	—
Johnsonville (TN)	1,899	11,991	1.76	9.27	130.2	31.22	436	11,355	1.63	9.28	127.8	29.03
Kingston (TN)	3,213	12,740	1.20	8.25	124.5	31.71	169	12,730	1.29	8.55	114.7	29.19
Texas Municipal Power Agency	**3,587**	**4,668**	**1.33**	**26.06**	**135.5**	**12.65**	—	—	—	—	—	—
Gibbons Creek (TX)	3,587	4,668	1.33	26.06	135.5	12.65	—	—	—	—	—	—

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

Table 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Texas New Mexico Power Co	**1,417**	**6,775**	**0.99**	**15.55**	**138.8**	**18.81**	**—**	**—**	**—**	**—**	**—**	**—**
TNP One (Tx)	1,417	6,775	.99	15.55	138.8	18.81	—	—	—	—	—	—
Texas Utilities Electric Co[2]	**32,412**	**6,410**	**.86**	**16.78**	**103.3**	**13.24**	**41**	**8,300**	**0.35**	**6.00**	**157.9**	**26.21**
Big Brown (TX)	5,364	6,616	.75	16.35	96.9	12.82	—	—	—	—	—	—
Martin Lake (TX)	12,832	6,776	1.17	12.94	101.3	13.73	—	—	—	—	—	—
Monticello (TX)	10,644	5,851	.46	20.68	111.9	13.09	41	8,300	.35	6.00	157.9	26.21
Sandow No 4 (TX)	3,572	6,451	1.09	19.57	97.3	12.56	—	—	—	—	—	—
Toledo Edison Co	**1,222**	**13,003**	**1.14**	**7.32**	**202.4**	**52.65**	**6**	**12,512**	**.62**	**10.77**	**169.4**	**42.39**
Acme (OH)	76	12,724	.62	8.84	177.9	45.27	6	12,512	.62	10.77	169.4	42.39
Bay Shore (OH)	1,146	13,022	1.17	7.22	204.0	53.14	—	—	—	—	—	—
Tucson Electric Power Co	**73**	**10,293**	**.45**	**12.25**	**277.3**	**57.08**	**—**	**—**	**—**	**—**	**—**	**—**
Irvington (AZ)	73	10,293	.45	12.25	277.3	57.08	—	—	—	—	—	—
Union Electric Co	**8,468**	**10,911**	**1.92**	**8.64**	**150.5**	**32.85**	**2,821**	**9,886**	**1.18**	**6.84**	**136.7**	**27.04**
Labadie (MO)	3,738	11,383	2.45	9.45	148.3	33.77	1,838	9,379	1.22	6.91	101.8	19.09
Meramec (MO)	158	11,500	1.27	12.00	137.8	31.68	676	11,700	1.28	7.10	220.6	51.63
Sioux (MO)	1,777	11,515	2.55	8.45	176.3	40.61	44	9,186	.67	6.04	113.1	20.78
Rush Island (MO)	2,795	9,862	.85	7.48	135.6	26.74	263	8,886	.67	5.88	114.6	20.37
United Illuminating Co	**792**	**13,243**	**.55**	**6.01**	**221.0**	**58.52**	**79**	**13,195**	**.54**	**6.69**	**172.6**	**45.54**
Bridgeport Harbor (CT)	792	13,243	.55	6.01	221.0	58.52	79	13,195	.54	6.69	172.6	45.54
United Power Assn	**1,017**	**6,805**	**.86**	**8.76**	**99.3**	**13.52**	**—**	**—**	**—**	**—**	**—**	**—**
Stanton (ND)	1,017	6,805	.86	8.76	99.3	13.52	—	—	—	—	—	—
Vineland City of	**32**	**12,758**	**.69**	**6.79**	**216.7**	**55.30**	**—**	**—**	**—**	**—**	**—**	**—**
H M Down (NJ)	32	12,758	.69	6.79	216.7	55.30	—	—	—	—	—	—
Virginia Electric & Power Co	**7,059**	**12,610**	**1.41**	**11.37**	**147.2**	**37.12**	**3,033**	**12,514**	**1.27**	**11.36**	**136.1**	**34.07**
Bremo Bluff (VA)	193	12,835	.99	9.62	153.7	39.46	227	12,724	.83	9.77	144.7	36.83
Chesterfield (VA)	1,848	12,817	1.11	8.81	154.1	39.51	962	12,740	1.14	8.82	143.0	36.43
Chesapeake Energy (VA)	803	13,056	1.09	8.90	151.9	39.65	467	13,160	1.07	8.51	148.0	38.94
Possum Point (VA)	344	12,651	1.10	9.26	160.2	40.54	370	12,775	.95	8.50	146.1	37.34
Yorktown (VA)	411	12,999	1.39	8.57	155.9	40.52	20	13,200	1.24	5.90	148.2	39.13
Mount Storm (WV)	3,460	12,334	1.71	13.96	139.4	34.38	987	11,828	1.71	16.73	116.2	27.50
West Penn Power Co	**5,154**	**12,837**	**2.24**	**9.92**	**144.7**	**37.15**	**382**	**12,100**	**1.97**	**12.32**	**104.4**	**25.26**
Armstrong (PA)	541	12,602	1.81	10.88	133.0	33.52	382	12,100	1.97	12.32	104.4	25.26
Hatfield (PA)	4,016	12,933	2.25	9.42	148.6	38.43	—	—	—	—	—	—
Mitchell (PA)	598	12,403	2.62	12.40	128.2	31.81	—	—	—	—	—	—
West Texas Utilities Co	**2,837**	**8,301**	**.33**	**4.81**	**160.7**	**26.68**	**—**	**—**	**—**	**—**	**—**	**—**
Oklaunion (TX)	2,837	8,301	.33	4.81	160.7	26.68	—	—	—	—	—	—
Western Farmers Elec Coop Inc	**1,017**	**8,424**	**.43**	**5.20**	**205.3**	**34.59**	**50**	**12,872**	**.55**	**7.64**	**194.8**	**50.15**
Hugo (OK)	1,017	8,424	.43	5.20	205.3	34.59	50	12,872	.55	7.64	194.8	50.15
Wisconsin Electric Power Co	**8,454**	**9,927**	**.77**	**5.78**	**129.3**	**25.68**	**34**	**12,676**	**.62**	**10.85**	**166.0**	**42.09**
Presque Isle (MI)	1,184	9,961	.58	6.84	175.0	34.86	10	12,787	.76	7.80	150.5	38.49
Oak Creek (WI)	1,735	12,829	1.69	6.86	151.2	38.80	24	12,629	.57	12.15	172.7	43.62
Port Washington (WI)	125	13,161	1.84	6.78	159.7	42.04	—	—	—	—	—	—
Valley (WI)	500	13,169	1.81	6.96	170.1	44.81	—	—	—	—	—	—
Pleasant Prairie (WI)	4,910	8,482	.36	5.00	97.1	16.47	—	—	—	—	—	—
Wisconsin Power & Light Co	**3,333**	**9,455**	**1.05**	**7.92**	**165.4**	**31.28**	**3,636**	**8,893**	**.38**	**5.33**	**112.8**	**20.07**
Edgewater (WI)	1,762	9,895	1.22	7.01	158.9	31.44	708	9,140	.29	4.78	114.5	20.93
Nelson Dewey (WI)	—	—	—	—	—	—	527	10,205	.62	4.72	131.6	26.85
Rock River (WI)	171	11,257	2.16	9.25	200.7	45.19	50	10,024	.38	3.97	159.4	31.97
Columbia (WI)	1,400	8,683	.70	8.91	169.2	29.38	2,350	8,499	.36	5.66	106.1	18.03
Wisconsin Public Service Corp	**1,653**	**9,984**	**1.10**	**7.35**	**186.6**	**37.25**	**742**	**9,878**	**.52**	**5.75**	**132.4**	**26.15**
Pulliam (WI)	589	11,088	2.11	9.89	211.5	46.90	187	11,542	.72	6.91	151.8	35.05
Weston (WI)	1,064	9,373	.54	5.95	170.2	31.91	555	9,317	.45	5.36	124.3	23.16

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 42. Receipts and Average Delivered Cost of Coal by Type of Purchase, Company, and Plant, 1991 (Continued)

Company Plant (State)	Contract						Spot					
	Receipts (1000 short tons)	Average Quality			Average Delivered Cost		Receipts (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Wyandotte Municipal Serv Comm ..	114	13,415	0.87	5.07	187.5	50.29	—	—	—	—	—	—
Wyandotte (MI)	114	13,415	.87	5.07	187.5	50.29	—	—	—	—	—	—
Total	655,471	10,260	1.30	9.91	148.9	30.55	114,452	11,052	1.30	8.91	122.2	27.02

[1] Cost data for the Florida Power Corporation Crystal River plant do not represent the total delivered cost of coal. The average delivered cost of coal as shown for the Crystal River plant does not include transportation costs from transfer facilities located in Kentucky, West Virginia, and Louisiana to the plant.

[2] Data for Texas Utilities Electric Company include an estimate of 2.9 million short tons for the Aluminium Company of America (ALCOA) portion of the lignite delivered to Unit 4 of the Sandow Plant.

* = Number less than 0.5.

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

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

Table 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Alabama Electric Coop Inc	**1,233**	**147.8**	**35.59**	**1.38**	**5**	**500.3**	**27.42**	**0.10**	**—**	**—**	**—**	**100**	*****	**—**
Lowman (AL)	1,233	147.8	35.59	1.38	5	500.3	27.42	.10	—	—	—	100	*	—
Alabama Power Co	**17,455**	**200.0**	**48.67**	**1.25**	**65**	**444.7**	**25.77**	**.23**	**3,434**	**187.1**	**1.91**	**99**	*****	**1**
Barry (AL)	594	210.7	52.09	.97	8	441.5	25.43	.00	389	179.2	1.85	97	*	3
Gadsden (AL)	50	180.0	44.99	1.69	*	492.1	28.67	.00	513	141.7	1.45	70	*	29
Gorgas 2 and 3 (AL)	5,818	178.6	42.29	1.33	18	455.5	26.47	.24	—	—	—	100	*	—
Greene (AL)	1,227	165.3	40.82	1.39	9	453.9	26.24	.28	—	—	—	100	*	—
Gaston (AL)	4,003	183.3	44.72	2.07	21	462.9	26.82	.21	—	—	—	100	*	—
James Miller (AL)	5,762	238.3	59.20	.59	8	361.4	21.00	.48	2,532	197.5	2.02	98	*	2
Alexandria City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**538**	**165.7**	**1.71**	**—**	**—**	**100**
Alexandria-Hunter (LA)	—	—	—	—	—	—	—	—	538	165.7	1.71	—	—	100
American Municipal Power Ohio	**828**	**96.5**	**21.96**	**4.80**	**—**	**—**	**—**	**—**	**126**	**523.2**	**5.44**	**99**	**—**	**1**
Gorsuch (OH)	828	96.5	21.96	4.80	—	—	—	—	126	523.2	5.44	99	—	1
Ames City of	**209**	**131.4**	**23.05**	**.21**	**6**	**449.5**	**26.73**	**.30**	**—**	**—**	**—**	**99**	**1**	**—**
Ames (IA)	209	131.4	23.05	.21	6	449.5	26.73	.30	—	—	—	99	1	—
Anchorage City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**5,022**	**286.4**	**2.86**	**—**	**—**	**100**
George Sullivan (AK)	—	—	—	—	—	—	—	—	5,022	286.4	2.86	—	—	100
Appalachian Power Co	**9,446**	**170.6**	**42.58**	**.76**	**146**	**[2] 550.5**	**32.03**	**.00**	**—**	**—**	**—**	**100**	*****	**—**
Clinch River (VA)	1,694	136.0	33.88	.81	9	465.2	27.34	.00	—	—	—	100	*	—
Glen Lyn (VA)	362	183.3	45.62	.84	14	481.7	28.11	.00	—	—	—	99	1	—
Amos (WV)	4,477	189.4	47.24	.79	68	576.2	33.64	.00	—	—	—	100	*	—
Kanawha River (WV)	264	167.1	42.30	.81	3	516.3	30.04	.00	—	—	—	100	*	—
Mountaineer (WV)	2,650	159.6	39.88	.67	51	[2] 552.3	31.91	.00	—	—	—	100	*	—
Arizona Electric Pwr Coop Inc	**969**	**167.1**	**39.54**	**.42**	**—**	**—**	**—**	**—**	**8,950**	**182.1**	**1.88**	**71**	**—**	**29**
Apache (AZ)	969	167.1	39.54	.42	—	—	—	—	8,950	182.1	1.88	71	—	29
Arizona Public Service Co	**11,141**	**125.4**	**22.84**	**.70**	**59**	**488.1**	**28.69**	**.37**	**7,749**	**217.9**	**2.23**	**96**	*****	**4**
Cholla (AZ)	3,463	157.8	30.80	.47	23	519.7	30.39	.32	44	333.9	3.41	100	*	*
Ocotillo (AZ)	—	—	—	—	—	—	—	—	1,516	195.5	2.01	—	—	100
Phoenix (AZ)	—	—	—	—	36	468.1	27.61	.39	3,966	199.4	2.04	—	5	95
Saguaro (AZ)	—	—	—	—	—	—	—	—	184	187.3	1.92	—	—	100
Yucca (AZ)	—	—	—	—	—	—	—	—	1,071	252.6	2.61	—	—	100
Four Corners (NM)	7,678	109.2	19.25	.80	—	—	—	—	968	291.9	2.96	99	—	1
Arkansas Power & Light Co	**10,765**	**160.6**	**28.24**	**.32**	**110**	**570.3**	**32.95**	**.30**	**27,672**	**140.9**	**1.44**	**87**	*****	**13**
Couch (AR)	—	—	—	—	—	—	—	—	4,032	114.4	1.26	—	—	100
Lake Catherine (AR)	—	—	—	—	*	306.9	19.30	.30	7,331	146.4	1.47	—	*	100
Ritchie (AR)	—	—	—	—	1	270.9	17.02	.30	16,308	145.6	1.47	—	*	100
Whitebluff (AR)	5,517	166.8	29.30	.42	53	568.2	32.77	.30	—	—	—	100	*	—
Independence (AR)	5,249	154.0	27.11	.22	56	579.0	33.46	.30	—	—	—	100	*	—
Associated Electric Coop Inc	**5,073**	**140.7**	**30.19**	**3.48**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Madrid (MO)	3,131	116.4	25.29	3.04	—	—	—	—	—	—	—	100	—	—
Hill (MO)	1,942	181.2	38.08	4.19	—	—	—	—	—	—	—	100	—	—
Atlantic City Electric Co	**606**	**171.6**	**44.43**	**2.34**	**258**	**251.9**	**15.95**	**.81**	**—**	**—**	**—**	**91**	**9**	**—**
England (NJ)	606	171.6	44.43	2.34	258	251.9	15.95	.81	—	—	—	91	9	—
Austin City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**14,473**	**185.9**	**1.93**	**—**	**—**	**100**
Decker Creek (TX)	—	—	—	—	—	—	—	—	8,857	186.0	1.93	—	—	100
Holly (TX)	—	—	—	—	—	—	—	—	5,616	185.6	1.93	—	—	100
Baltimore Gas & Electric Co	**3,434**	**156.9**	**40.57**	**.92**	**2,556**	**245.1**	**15.43**	**.96**	**5,740**	**238.1**	**2.47**	**80**	**15**	**5**
Brandon Shores (MD)	2,312	155.3	39.80	.70	34	418.9	24.29	.18	—	—	—	100	*	—
Crane (MD)	448	147.6	39.38	2.15	3	427.9	24.89	.18	—	—	—	100	*	—
Gould St (MD)	—	—	—	—	329	241.0	15.19	.97	—	—	—	—	100	—
Wagner (MD)	674	168.5	44.00	.86	1,378	242.2	15.24	.97	4,198	236.0	2.45	57	28	14
Riverside (MD)	—	—	—	—	531	243.5	15.36	.97	1,542	243.6	2.53	—	68	32
Westport (MD)	—	—	—	—	281	246.4	15.62	.98	—	—	—	—	100	—

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

Table 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Bangor Hydro-Electric Co	—	—	—	—	44	317.5	20.07	0.65	—	—	—	—	100	—
Graham (ME)	—	—	—	—	44	317.5	20.07	.65	—	—	—	—	100	—
Basin Electric Power Coop	14,269	66.2	9.72	0.49	77	458.1	26.54	.34	—	—	—	100	*	—
Leland Olds (ND)	2,927	92.6	12.21	.58	9	489.3	28.34	.34	—	—	—	100	*	—
Laramie River (WY)	6,596	56.1	9.17	.35	43	479.7	27.78	.34	—	—	—	100	*	—
Antelope Valley (ND)	4,746	67.3	8.94	.62	25	409.3	23.75	.35	—	—	—	100	*	—
Big Rivers Electric Corp	5,068	124.4	27.75	3.34	23	467.1	27.07	.00	40	264.4	2.64	100	*	*
Coleman (KY)	1,441	109.7	24.67	2.50	—	—	—	—	40	264.4	2.64	100	—	*
Reid-Henderson (KY)	776	124.2	30.75	2.52	14	461.0	26.72	.00	—	—	—	100	*	—
R D Green (KY)	1,589	121.8	25.39	3.87	—	—	—	—	—	—	—	100	—	—
Wilson (KY)	1,262	144.4	32.40	4.13	8	477.2	27.66	.00	—	—	—	100	*	—
Boston Edison Co	—	—	—	—	6,894	242.5	15.37	.73	26,122	212.8	2.23	—	61	39
Mystic (MA)	—	—	—	—	4,014	224.6	14.33	.95	12,666	228.7	2.43	—	66	34
New Boston (MA)	—	—	—	—	2,880	267.7	16.82	.44	13,456	197.4	2.05	—	56	44
Braintree City of	—	—	—	—	—	—	—	—	1,698	234.7	2.42	—	—	100
Potter Station (MA)	—	—	—	—	—	—	—	—	1,698	234.7	2.42	—	—	100
Brazos Electric Power Coop Inc	—	—	—	—	—	—	—	—	17,878	166.4	1.69	—	—	100
North Texas (TX)	—	—	—	—	—	—	—	—	696	151.0	1.72	—	—	100
Miller (TX)	—	—	—	—	—	—	—	—	17,182	167.1	1.69	—	—	100
Bryan City of	—	—	—	—	—	—	—	—	5,300	152.1	1.60	—	—	100
Bryan (TX)	—	—	—	—	—	—	—	—	952	160.9	1.69	—	—	100
Dansby (TX)	—	—	—	—	—	—	—	—	4,348	150.1	1.59	—	—	100
Burbank City of	—	—	—	—	—	—	—	—	2,397	271.5	2.79	—	—	100
Magnolia-Olive (CA)	—	—	—	—	—	—	—	—	2,397	271.5	2.79	—	—	100
Burlington City of	—	—	—	—	—	—	—	—	1,093	174.0	1.72	61	—	39
J C McNeil (VT)	—	—	—	—	—	—	—	—	1,093	174.0	1.72	61	—	39
Cajun Electric Power Coop Inc	5,212	153.0	26.29	.42	35	471.3	27.71	.00	5,325	150.4	1.56	94	*	6
Big Cajun No.1 (LA)	—	—	—	—	1	568.9	33.45	.00	5,325	150.4	1.56	—	*	100
Big Cajun No.2 (LA)	5,212	153.0	26.29	.42	34	468.8	27.56	.00	—	—	—	100	*	—
Cambridge Electric Light Co	—	—	—	—	158	281.8	17.88	.48	899	233.1	2.33	—	53	47
Kendall Square (MA)	—	—	—	—	158	281.8	17.88	.48	899	233.1	2.33	—	53	47
Canal Electric Co	—	—	—	—	10,286	180.7	11.41	2.10	—	—	—	—	100	—
Canal (MA)	—	—	—	—	10,286	180.7	11.41	2.10	—	—	—	—	100	—
Cardinal Operating Co	3,795	153.2	36.35	2.19	49	486.3	28.25	.00	—	—	—	100	*	—
Cardinal (OH)	3,795	153.2	36.35	2.19	49	486.3	28.25	.00	—	—	—	100	*	—
Carolina Power & Light Co	8,517	181.8	45.38	.90	123	482.3	27.96	.20	—	—	—	100	*	—
Asheville (NC)	722	132.0	34.86	1.25	9	461.5	26.75	.20	—	—	—	100	*	—
Cape Fear (NC)	384	199.8	50.90	1.00	1	378.1	21.92	.20	—	—	—	100	*	—
Lee (NC)	362	207.5	53.57	1.01	—	—	—	—	—	—	—	100	—	—
Roxboro (NC)	4,972	182.0	45.24	.89	61	466.7	27.05	.20	—	—	—	100	*	—
Sutton (NC)	480	183.3	45.87	.98	3	450.1	26.09	.20	—	—	—	100	*	—
Weatherspoon (NC)	84	199.4	50.19	.99	*	438.5	25.42	.20	—	—	—	100	*	—
Robinson (SC)	154	191.2	47.52	1.05	8	494.0	28.63	.20	—	—	—	99	1	—
Mayo (NC)	1,360	194.4	46.99	.64	41	511.4	29.64	.20	—	—	—	99	1	—
Cedar Falls City of	45	135.7	30.96	2.83	—	—	—	—	153	160.3	1.60	87	—	13
Streeter (IA)	45	135.7	30.96	2.83	—	—	—	—	153	160.3	1.60	87	—	13
Central Electric Pwr Coop-MO	84	129.0	28.47	3.11	—	—	—	—	—	—	—	100	—	—
Chamois (MO)	84	129.0	28.47	3.11	—	—	—	—	—	—	—	100	—	—
Central Hudson Gas & Elec Corp	874	204.7	53.36	.57	10,008	255.6	16.31	1.26	4,096	246.2	2.53	25	70	5

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

Table 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Central Hudson Gas & Elec Corp														
Danskammer (NY)	874	204.7	53.36	0.57	6	534.7	31.33	0.07	4,096	246.2	2.53	84	*	16
Roseton (NY)	—	—	—	—	10,002	255.4	16.30	1.26	—	—	—	—	100	—
Central Illinois Light Co	**2,275**	**173.2**	**41.67**	**1.95**	**14**	**496.6**	**28.84**	**.23**	**—**	**—**	**—**	**100**	*****	**—**
Edwards (IL)	1,324	171.7	44.66	.90	8	484.8	28.15	.22	—	—	—	100	*	—
Duck Creek (IL)	951	175.8	37.52	3.42	6	512.0	29.75	.24	—	—	—	100	*	—
Central Illinois Pub Serv Co	**4,555**	**155.1**	**34.37**	**2.60**	**69**	**489.3**	**28.40**	**.23**	**—**	**—**	**—**	**100**	*****	**—**
Coffeen (IL)	1,702	154.6	32.91	3.41	13	528.2	30.47	.17	—	—	—	100	*	—
Grand Tower (IL)	220	161.1	37.29	2.92	10	471.4	27.47	.22	—	—	—	99	1	—
Hutsonville (IL)	212	148.0	33.05	2.47	7	481.4	27.92	.23	—	—	—	99	1	—
Meredosia (IL)	414	148.9	33.87	2.80	11	470.9	27.43	.19	—	—	—	99	1	—
Newton (IL)	2,007	156.9	35.53	1.85	29	487.1	28.29	.27	—	—	—	100	*	—
Central Iowa Power Coop	**112**	**116.2**	**25.44**	**2.96**	**7**	**408.5**	**23.33**	**.35**	**8**	**295.7**	**3.02**	**98**	**2**	*****
Summit Lake (IA)	—	—	—	—	7	408.5	23.33	.35	—	—	—	—	100	—
Fair Station (IA)	112	116.2	25.44	2.96	—	—	—	—	8	295.7	3.02	100	—	*
Central Louisiana Elec Co Inc	**4,953**	**160.5**	**24.42**	**.57**	**—**	**—**	**—**	**—**	**29,691**	**188.7**	**1.98**	**71**	**—**	**29**
Dolet Hills (LA)	3,150	132.8	18.41	.62	—	—	—	—	134	212.4	2.19	100	—	*
Coughlin (LA)	—	—	—	—	—	—	—	—	4,126	184.9	1.96	—	—	100
Teche (LA)	—	—	—	—	—	—	—	—	14,351	186.1	1.95	—	—	100
Rodemacher (LA)	1,803	198.6	34.93	.47	—	—	—	—	11,080	193.1	2.02	73	—	27
Central Maine Power Co	**—**	**—**	**—**	**—**	**2,190**	**206.3**	**13.06**	**1.37**	**—**	**—**	**—**	**—**	**100**	**—**
Wyman (ME)	—	—	—	—	2,190	206.3	13.06	1.37	—	—	—	—	100	—
Central Nebraska Pub P&I Dist	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**2,042**	**188.6**	**1.75**	**—**	**—**	**100**
Canaday (NE)	—	—	—	—	—	—	—	—	2,042	188.6	1.75	—	—	100
Central Operating Co	**1,380**	**153.5**	**37.79**	**1.22**	**30**	**[2] 504.8**	**28.88**	**.00**	**—**	**—**	**—**	**99**	**1**	**—**
Sporn (WV)	1,380	153.5	37.79	1.22	30	[2] 504.8	28.88	.00	—	—	—	99	1	—
Central Power & Light Co	**1,734**	**207.6**	**44.64**	**.38**	**7**	**409.0**	**23.79**	**.30**	**91,696**	**[2] 202.2**	**2.11**	**28**	*****	**72**
Joslin (TX)	—	—	—	—	—	—	—	—	3,825	197.3	2.06	—	—	100
Bates (TX)	—	—	—	—	—	—	—	—	6,584	[2] 184.1	1.92	—	—	100
Laredo (TX)	—	—	—	—	—	—	—	—	7,819	220.4	2.32	—	—	100
Hill (TX)	—	—	—	—	—	—	—	—	14,599	[2] 179.5	1.88	—	—	100
Nueces Bay (TX)	—	—	—	—	—	—	—	—	19,475	[2] 209.1	2.17	—	—	100
La Palma (TX)	—	—	—	—	—	—	—	—	7,604	[2] 198.3	2.10	—	—	100
Victoria (TX)	—	—	—	—	—	—	—	—	4,435	[2] 159.5	1.71	—	—	100
Davis (TX)	—	—	—	—	—	—	—	—	27,354	[2] 217.9	2.24	—	—	100
Coleto Creek (TX)	1,734	207.6	44.64	.38	7	409.0	23.79	.30	—	—	—	100	*	—
Century Power Corp	**2,640**	**183.1**	**33.53**	**.62**	**9**	**575.6**	**34.28**	**.09**	**—**	**—**	**—**	**100**	*****	**—**
Springerville (AZ)	2,640	183.1	33.53	.62	9	575.6	34.28	.09	—	—	—	100	*	—
Chugach Electric Assn Inc	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**13,700**	**53.0**	**.53**	**—**	**—**	**100**
Beluga (AK)	—	—	—	—	—	—	—	—	13,700	53.0	.53	—	—	100
Cincinnati Gas & Electric Co	**9,123**	**139.6**	**33.35**	**2.44**	**99**	**471.1**	**26.93**	**.38**	**—**	**—**	**—**	**100**	*****	**—**
Beckjord (OH)	1,944	157.6	37.21	1.91	27	461.7	26.52	.42	—	—	—	100	*	—
Miami Fort (OH)	2,586	156.6	37.81	1.66	30	468.5	26.71	.29	—	—	—	100	*	—
East Bend (KY)	1,171	159.4	37.58	1.87	10	467.2	26.79	.45	—	—	—	100	*	—
Zimmer (OH)	3,423	109.9	26.33	3.52	31	483.0	27.54	.42	—	—	—	100	*	—
Cleveland Electric Illum Co	**4,605**	**155.4**	**39.56**	**2.80**	**210**	**321.1**	**20.03**	**1.08**	**—**	**—**	**—**	**99**	**1**	**—**
Ashtabula (OH)	975	149.3	38.45	3.32	7	446.2	25.98	.31	—	—	—	100	*	—
Avon Lake (OH)	1,294	157.5	39.53	2.26	11	514.9	29.86	.32	—	—	—	100	*	—
Eastlake (OH)	2,130	156.2	39.76	3.10	35	531.5	30.90	.33	—	—	—	100	*	—
Lake Shore (OH)	206	162.5	42.83	.60	157	260.9	16.65	1.33	—	—	—	84	16	—
Coffeyville City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**565**	**213.1**	**2.13**	**—**	**—**	**100**
Coffeyville (KS)	—	—	—	—	—	—	—	—	565	213.1	2.13	—	—	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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Colorado Springs City of	**1,411**	**144.3**	**31.27**	**0.39**	**—**	**—**	**—**	**—**	**167**	**317.5**	**3.14**	**99**	**—**	**1**
Drake (CO)	607	151.8	32.40	.36	—	—	—	—	75	322.6	3.19	99	—	1
Birdsall (CO)	—	—	—	—	—	—	—	—	92	313.3	3.10	—	—	100
Nixon (CO)	804	138.7	30.42	.41	—	—	—	—	—	—	—	100	—	—
Colorado Ute Electric Assn Inc	**5,685**	**96.7**	**20.04**	**.38**	**5**	**492.2**	**28.29**	**0.24**	**240**	**248.5**	**2.58**	**100**	*****	*****
Hayden (CO)	1,454	90.5	19.32	.40	5	492.2	28.29	.24	22	254.2	2.64	100	*	*
Nucla (CO)	229	120.8	24.41	.51	—	—	—	—	—	—	—	99	1	—
Craig (CO)	4,001	97.7	20.05	.36	—	—	—	—	218	248.0	2.58	100	—	*
Columbia City of	**50**	**213.8**	**60.57**	**.63**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Columbia (MO)	50	213.8	60.57	.63	—	—	—	—	—	—	—	100	—	—
Columbus Southern Power Co	**3,284**	**155.4**	**37.03**	**3.23**	**24**	**472.2**	**27.76**	**.00**	**—**	**—**	**—**	**100**	*****	**—**
Conesville (OH)	3,049	158.9	37.97	3.25	23	471.8	27.74	.00	—	—	—	100	*	—
Picway (OH)	235	107.7	24.78	3.01	1	488.0	28.81	.00	—	—	—	100	*	—
Columbus City of	**22**	**167.8**	**41.74**	**.86**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Solid Waste R F (OH)	22	167.8	41.74	.86	—	—	—	—	—	—	—	100	—	—
Commonwealth Edison Co	**9,162**	**242.6**	**47.40**	**1.18**	**2,122**	**296.5**	**18.67**	**.63**	**7,662**	**[2] 241.8**	**2.47**	**89**	**7**	**4**
Crawford (IL)	276	313.8	59.42	.39	14	419.5	24.49	.25	550	[2] 306.9	3.15	89	1	10
Joliet (IL)	1,185	286.4	54.55	.38	1	529.4	30.87	.22	4,685	214.0	2.18	83	*	17
Kincaid (IL)	2,367	126.6	26.33	3.52	—	—	—	—	126	260.6	2.69	100	—	*
Powerton (IL)	1,836	266.8	51.27	.35	—	—	—	—	159	414.0	4.14	100	—	*
Waukegan (IL)	1,015	278.1	52.77	.38	43	483.9	28.20	.24	322	228.3	2.33	97	1	2
Will County (IL)	1,355	309.2	59.07	.37	212	464.4	27.08	.25	—	—	—	95	5	—
Fisk (IL)	403	317.5	60.05	.39	1	519.3	30.31	.24	1,394	277.0	2.84	84	*	16
State Line (IN)	725	279.5	53.81	.35	—	—	—	—	425	288.3	2.95	97	—	3
Collins (IL)	—	—	—	—	1,851	273.9	17.43	.69	—	—	—	—	100	—
Commonwealth Electric Co	**—**	**—**	**—**	**—**	**58**	**256.5**	**16.24**	**.91**	**505**	**223.8**	**2.24**	**—**	**42**	**58**
Cannon (MA)	—	—	—	—	58	256.5	16.24	.91	505	223.8	2.24	—	42	58
Connecticut Light & Power Co	**—**	**—**	**—**	**—**	**7,578**	**248.5**	**15.69**	**.85**	**1,660**	**229.6**	**2.37**	**—**	**97**	**3**
Devon (CT)	—	—	—	—	1,638	242.6	15.36	1.00	—	—	—	—	100	—
Montville (CT)	—	—	—	—	1,533	237.1	14.97	.99	1,660	229.6	2.37	—	85	15
Norwalk Harbor (CT)	—	—	—	—	2,256	241.0	15.29	.99	—	—	—	—	100	—
Middletown (CT)	—	—	—	—	2,151	269.0	16.89	.50	—	—	—	—	100	—
Consolidated Edison Co-NY Inc	**—**	**—**	**—**	**—**	**11,864**	**306.7**	**19.15**	**.26**	**87,743**	**201.1**	**2.07**	**—**	**45**	**55**
East River (NY)	—	—	—	—	1,112	290.0	18.14	.26	3,104	193.9	2.00	—	68	32
Hudson Avenue (NY)	—	—	—	—	3,270	305.1	19.06	.27	—	—	—	—	100	—
Ravenswood (NY)	—	—	—	—	—	—	—	—	44,791	200.6	2.07	—	—	100
Waterside (NY)	—	—	—	—	—	—	—	—	7,900	225.2	2.32	—	—	100
Astoria (NY)	—	—	—	—	1,484	301.1	18.81	.27	31,948	196.6	2.03	—	22	78
Storage Facility #6	—	—	—	—	782	304.5	18.98	.23	—	—	—	—	100	—
Storage Facility #5	—	—	—	—	694	299.5	18.75	.26	—	—	—	—	100	—
Storage Facility #4	—	—	—	—	1,876	331.9	20.72	.27	—	—	—	—	100	—
Storage Facility #3	—	—	—	—	2,646	303.6	18.93	.27	—	—	—	—	100	—
Consumers Power Co	**6,774**	**160.1**	**38.77**	**.73**	**500**	**262.1**	**16.63**	**.90**	**—**	**—**	**—**	**98**	**2**	**—**
Cobb (MI)	807	154.1	35.20	.59	2	434.8	25.20	.50	—	—	—	100	*	—
Karn (MI)	1,285	150.8	36.86	.82	479	255.2	16.25	.92	—	—	—	91	9	—
Campbell (MI)	2,754	174.6	44.00	.74	16	434.1	25.16	.50	—	—	—	100	*	—
Weadock (MI)	1,066	147.3	32.51	.63	1	469.4	27.21	.50	—	—	—	100	*	—
Whiting (MI)	860	146.1	36.02	.82	1	445.2	25.80	.50	—	—	—	100	*	—
Coop Power Assn	**6,807**	**72.5**	**9.12**	**.74**	**7**	**260.5**	**16.08**	**2.50**	**—**	**—**	**—**	**100**	*****	**—**
Coal Creek (ND)	6,807	72.5	9.12	.74	7	260.5	16.08	2.50	—	—	—	100	*	—
Dairyland Power Coop	**2,195**	**130.7**	**24.91**	**.98**	**26**	**456.7**	**26.85**	**.50**	**—**	**—**	**—**	**100**	*****	**—**
Alma-Madgett (WI)	1,511	135.5	24.25	.50	13	444.5	26.13	.50	—	—	—	100	*	—
Genoa No.3 (WI)	637	120.9	26.03	2.07	10	467.8	27.51	.50	—	—	—	100	*	—
Stoneman (WI)	46	134.1	31.20	1.58	3	472.4	27.78	.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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Dayton Power & Light Co	**7,093**	**149.8**	**35.28**	**1.25**	**112**	**467.8**	**27.26**	**0.44**	**168**	**361.9**	**3.69**	**100**	*****	*****
Hutchings (OH)	166	144.6	35.32	.82	—	—	—	—	168	361.9	3.69	96	—	4
Stuart (OH)	6,146	148.2	34.61	1.34	15	485.6	28.07	.52	—	—	—	100	*	—
Killen (OH)	781	162.0	40.51	.63	72	487.4	28.43	.50	—	—	—	98	2	—
Storage Facility #1	—	—	—	—	25	400.3	23.36	.24	—	—	—	—	100	—
Deepwater Operating Co	**142**	**177.7**	**45.35**	**.81**	**50**	**251.8**	**16.16**	**.93**	**2,080**	**186.7**	**1.95**	**59**	**5**	**35**
Deepwater (NJ)	142	177.7	45.35	.81	50	251.8	16.16	.93	2,080	186.7	1.95	59	5	35
Delmarva Power & Light Co	**2,002**	**178.2**	**46.51**	**.96**	**2,536**	**233.3**	**14.82**	**1.19**	**4,693**	**234.5**	**2.47**	**71**	**22**	**7**
Delaware City (DE)	—	—	—	—	152	235.1	14.89	.76	520	218.1	2.68	—	60	40
Edgemoor (DE)	506	184.3	48.81	.81	1,576	240.3	15.33	.93	4,173	236.9	2.44	48	36	16
Indian River (DE)	1,496	176.0	45.73	1.02	76	461.1	27.10	.25	—	—	—	99	1	—
Vienna (MD)	—	—	—	—	733	196.2	12.44	1.92	—	—	—	—	100	—
Denton City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**863**	**176.4**	**1.85**	**—**	**—**	**100**
Spencer (TX)	—	—	—	—	—	—	—	—	863	176.4	1.85	—	—	100
Deseret Generation & Tran Coop	**1,130**	**228.0**	**48.68**	**.45**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Bonanza (UT)	1,130	228.0	48.68	.45	—	—	—	—	—	—	—	100	—	—
Detroit City of	**—**	**—**	**—**	**—**	**352**	**240.4**	**14.55**	**.64**	**2,049**	**254.5**	**2.61**	**—**	**50**	**50**
Mistersky (MI)	—	—	—	—	352	240.4	14.55	.64	2,049	254.5	2.61	—	50	50
Detroit Edison Co	**19,312**	**155.8**	**33.19**	**.66**	**142**	**450.4**	**26.09**	**.22**	**18,299**	**175.1**	**.53**	**98**	*****	**1**
Harbor Beach (MI)	18	180.0	46.99	.63	5	483.8	27.82	.31	—	—	—	94	6	—
Monroe (MI)	8,233	158.9	35.92	.85	71	443.5	25.70	.20	—	—	—	100	*	—
River Rouge (MI)	1,031	159.7	39.16	.66	—	—	—	—	15,016	162.2	.24	92	—	8
St Clair (MI)	4,952	144.1	28.04	.56	3	446.9	25.85	.27	67	309.8	3.17	100	*	*
Trenton Channel (MI)	1,346	186.4	44.26	.65	27	449.4	26.03	.24	—	—	—	100	*	—
Belle River (MI)	3,732	148.5	28.30	.35	36	460.2	26.68	.26	—	—	—	100	*	—
Greenwood (MI)	—	—	—	—	*	441.5	25.55	.21	3,216	181.2	1.84	—	*	100
Dover City of	**—**	**—**	**—**	**—**	**645**	**208.7**	**13.32**	**2.02**	**394**	**266.8**	**2.76**	**—**	**91**	**9**
Mckee Run (DE)	—	—	—	—	645	208.7	13.32	2.02	394	266.8	2.76	—	91	9
Duke Power Co	**10,003**	**174.5**	**43.72**	**.98**	**121**	**463.7**	**27.00**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Allen (NC)	592	184.7	46.27	1.04	34	455.2	26.50	.30	—	—	—	99	1	—
Buck (NC)	185	159.1	41.00	.88	—	—	—	—	—	—	—	100	—	—
Cliffside (NC)	545	183.6	46.50	.99	21	476.2	27.73	.30	—	—	—	99	1	—
Dan River (NC)	57	143.7	37.00	.82	—	—	—	—	—	—	—	100	—	—
Marshall (NC)	3,238	169.3	42.34	1.01	31	474.3	27.73	.30	—	—	—	100	*	—
Riverbend (NC)	198	179.3	45.18	1.00	—	—	—	—	—	—	—	100	—	—
Lee (SC)	200	163.9	41.22	1.06	9	443.1	25.87	.30	—	—	—	99	1	—
Belews Creek (NC)	4,988	176.8	44.22	.96	26	458.9	26.61	.30	—	—	—	100	*	—
Duquesne Light Co	**2,267**	**155.8**	**38.66**	**1.68**	**15**	**488.6**	**27.97**	**.20**	**209**	**283.6**	**2.95**	**99**	*****	*****
Elrama (PA)	1,089	175.5	42.97	1.72	15	488.6	27.97	.20	—	—	—	100	*	—
Cheswick (PA)	1,178	138.1	34.67	1.65	—	—	—	—	209	283.6	2.95	99	—	1
East Kentucky Power Coop	**2,676**	**116.8**	**28.53**	**1.22**	**6**	**483.6**	**28.15**	**.17**	**—**	**—**	**—**	**100**	*****	**—**
Cooper (KY)	712	118.1	29.06	1.50	4	495.8	28.86	.20	—	—	—	100	*	—
Dale (KY)	256	107.3	25.89	.87	3	467.2	27.20	.12	—	—	—	100	*	—
Spurlock (KY)	1,707	117.7	28.70	1.16	—	—	—	—	—	—	—	100	—	—
El Paso Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**22,281**	**179.8**	**1.84**	**—**	**—**	**100**
Rio Grande (TX)	—	—	—	—	—	—	—	—	6,242	179.4	1.83	—	—	100
Newman (TX)	—	—	—	—	—	—	—	—	16,039	180.0	1.84	—	—	100
Electric Energy Inc	**3,310**	**112.8**	**25.57**	**1.86**	**14**	**492.1**	**28.72**	**.38**	**—**	**—**	**—**	**100**	*****	**—**
Joppa (IL)	3,310	112.8	25.57	1.86	14	492.1	28.72	.38	—	—	—	100	*	—
Empire District Electric Co	**1,071**	**100.3**	**18.78**	**.72**	**4**	**447.3**	**26.05**	**.00**	**342**	**165.2**	**1.65**	**98**	*****	**2**
Riverton (KS)	287	112.3	22.60	1.19	2	412.8	23.84	.00	342	165.2	1.65	94	*	6
Asbury (MO)	784	95.4	17.39	.54	3	468.1	27.40	.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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Fayetteville Public Works Comm.	—	—	—	—	—	—	—	—	2,932	267.5	2.76	—	—	100
Butler Warner (NC)	—	—	—	—	—	—	—	—	2,932	267.5	2.76	—	—	100
Florida Power & Light Co[3]	—	—	—	—	30,387	228.1	14.50	1.15	130,666	216.6	2.17	—	60	40
Cape Canaveral (FL)	—	—	—	—	3,624	217.7	13.69	1.63	7,974	224.5	2.24	—	74	26
Cutler (FL)	—	—	—	—	—	—	—	—	7,782	214.7	2.15	—	—	100
Fort Myers (FL)	—	—	—	—	3,316	214.2	13.66	1.48	—	—	—	—	100	—
Lauderdale (FL)	—	—	—	—	—	—	—	—	8,901	212.5	2.13	—	—	100
Port Everglades (FL)	—	—	—	—	6,784	230.5	14.64	.97	23,494	220.6	2.21	—	65	35
Riviera (FL)	—	—	—	—	2,067	226.5	14.46	1.04	8,107	220.5	2.20	—	62	38
Sanford (FL)	—	—	—	—	2,799	230.1	14.52	1.57	4,425	213.7	2.14	—	84	16
Turkey Point (FL)	—	—	—	—	2,995	240.0	15.27	.96	18,893	214.9	2.15	—	50	50
Manatee (FL)	—	—	—	—	6,776	226.6	14.46	.98	—	—	—	—	100	—
Martin (FL)	—	—	—	—	2,026	248.3	15.81	.69	27,983	214.8	2.15	—	32	68
Putnam (FL)	—	—	—	—	—	—	—	—	23,107	214.7	2.15	—	—	100
Florida Power Corp	5,436	180.1	45.49	0.84	10,112	216.2	13.74	1.49	1,699	185.2	1.90	68	32	1
Crystal River (FL)	5,436	180.1	45.49	.84	89	472.5	27.90	.15	—	—	—	100	*	—
Turner (FL)	—	—	—	—	28	278.9	17.57	1.00	—	—	—	—	100	—
Higgins (FL)	—	—	—	—	454	235.5	15.01	.97	33	248.7	2.57	—	99	1
Bartow (FL)	—	—	—	—	119	177.8	11.28	2.23	5	253.0	2.63	—	99	1
Suwannee (FL)	—	—	—	—	246	241.9	15.32	2.01	1,661	183.8	1.88	—	48	52
Anclote (FL)	—	—	—	—	59	450.2	26.60	.15	—	—	—	—	100	—
Storage Facility #2	—	—	—	—	530	213.0	13.56	1.96	—	—	—	—	100	—
Storage Facility #1	—	—	—	—	8,587	211.0	13.42	1.49	—	—	—	—	100	—
Fort Pierre City of	—	—	—	—	1	290.1	17.90	.75	3,490	248.3	2.57	—	*	100
H D King (FL)	—	—	—	—	1	290.1	17.90	.75	3,490	248.3	2.57	—	*	100
Fremont City of	196	84.1	14.56	.34	—	—	—	—	60	191.5	1.91	98	—	2
Wright (NE)	196	84.1	14.56	.34	—	—	—	—	60	191.5	1.91	98	—	2
Gainesville Regional Utilities	490	176.0	46.52	.63	22	350.1	21.96	1.18	5,693	202.6	2.21	67	1	32
Deerhaven (FL)	490	176.0	46.52	.63	8	357.7	22.43	1.24	3,713	201.1	2.08	77	*	23
Jr Kelly (FL)	—	—	—	—	13	345.3	21.66	1.14	1,981	205.0	2.47	—	3	97
Garland City of	—	—	—	—	—	—	—	—	9,872	156.7	1.62	—	—	100
Newman (TX)	—	—	—	—	—	—	—	—	245	153.3	1.60	—	—	100
Olinger (TX)	—	—	—	—	—	—	—	—	9,627	156.8	1.62	—	—	100
Georgia Power Co	24,387	180.2	42.99	1.63	211	471.8	27.34	.50	258	260.7	2.68	100	*	*
Arkwright (GA)	35	190.6	49.45	1.71	12	540.3	31.32	.50	33	275.2	2.82	90	7	3
Atkinson-Mcdonough (GA)	1,221	169.5	40.62	1.97	—	—	—	—	225	258.5	2.65	99	—	1
Bowen (GA)	8,348	167.0	40.56	1.59	29	472.9	27.41	.50	—	—	—	100	*	—
Hammond (GA)	1,069	176.4	45.93	1.61	18	478.5	27.74	.50	—	—	—	100	*	—
Harllee Branch (GA)	3,371	159.3	39.43	1.37	13	499.4	28.94	.50	—	—	—	100	*	—
Mcmanus (GA)	—	—	—	—	41	434.1	25.16	.50	—	—	—	—	100	—
Mitchell (GA)	96	208.5	50.95	1.47	10	470.1	27.25	.50	—	—	—	98	2	—
Yates (GA)	1,712	194.2	45.90	2.11	22	479.5	27.79	.50	—	—	—	100	*	—
Wansley (GA)	4,399	203.5	45.24	2.61	12	457.3	26.51	.50	—	—	—	100	*	—
Scherer (GA)	4,136	199.9	46.86	.60	55	475.8	27.58	.50	—	—	—	100	*	—
Glendale City of	—	—	—	—	—	—	—	—	2,200	235.2	2.42	—	—	100
Glendale (CA)	—	—	—	—	—	—	—	—	2,200	235.2	2.42	—	—	100
Grand Haven City of	179	159.5	35.52	2.62	—	—	—	—	—	—	—	100	—	—
J B Simms (MI)	179	159.5	35.52	2.62	—	—	—	—	—	—	—	100	—	—
Grand Island City of	358	70.2	11.74	.32	—	—	—	—	183	163.4	1.54	97	—	3
Platte (NE)	358	70.2	11.74	.32	—	—	—	—	—	—	—	100	—	—
Burdick (NE)	—	—	—	—	—	—	—	—	183	163.4	1.54	—	—	100
Grand River Dam Authority	3,486	97.1	16.57	.47	—	—	—	—	370	191.5	1.93	99	—	1
GRDA No 1 (OK)	3,486	97.1	16.57	.47	—	—	—	—	370	191.5	1.93	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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Greenville City of	—	—	—	—	—	—	—	—	255	191.4	3.05	—	—	100
Power Lane (TX)	—	—	—	—	—	—	—	—	255	191.4	3.05	—	—	100
Gulf Power Co	2,980	190.2	45.72	2.72	13	475.9	27.38	0.45	488	155.4	1.55	99	*	1
Crist (FL)	1,873	180.4	43.29	2.72	5	500.9	28.82	.45	488	155.4	1.55	99	*	1
Scholtz (FL)	68	151.3	38.39	2.86	1	452.6	26.04	.45	—	—	—	100	*	—
Smith (FL)	1,039	210.6	50.57	2.72	7	458.5	26.38	.45	—	—	—	100	*	—
Gulf States Utilities Co	2,047	202.8	35.60	.46	17	397.8	23.09	.00	166,222	172.6	1.80	17	*	83
Nelson (LA)	2,047	202.8	35.60	.46	17	396.9	23.02	.00	10,544	147.8	1.56	76	*	24
Willow Glen (LA)	—	—	—	—	—	—	—	—	35,919	173.2	1.80	—	—	100
Lewis Creek (TX)	—	—	—	—	—	—	—	—	29,085	170.1	1.77	—	—	100
Sabine (TX)	—	—	—	—	*	443.4	27.03	.00	90,674	176.1	1.83	—	*	100
Hamilton City of	55	161.7	40.15	.70	*	491.4	28.28	.21	2,602	189.8	1.90	34	*	66
Hamilton (OH)	55	161.7	40.15	.70	*	491.4	28.28	.21	2,602	189.8	1.90	34	*	66
Hastings City of	283	91.6	15.77	.29	—	—	—	—	—	—	—	100	—	—
Hastings (NE)	283	91.6	15.77	.29	—	—	—	—	—	—	—	100	—	—
Hawaiian Electric Co Inc	—	—	—	—	8,998	330.6	20.65	.44	—	—	—	—	100	—
Kahe (HI)	—	—	—	—	3,150	338.5	21.28	.43	—	—	—	—	100	—
Waiau (HI)	—	—	—	—	367	303.3	18.99	.43	—	—	—	—	100	—
Storage Facility #1	—	—	—	—	5,481	327.9	20.39	.44	—	—	—	—	100	—
Holland City of	109	175.3	45.68	.87	—	—	—	—	372	177.0	1.84	88	—	12
James De Young (MI)	109	175.3	45.68	.87	—	—	—	—	372	177.0	1.84	88	—	12
Holyoke Water Power Co	400	175.5	46.11	1.47	2	485.6	28.37	.23	—	—	—	100	*	—
Mount Tom (MA)	400	175.5	46.11	1.47	2	485.6	28.37	.23	—	—	—	100	*	—
Hoosier Energy R E C Inc	2,872	127.1	28.01	3.47	13	468.9	27.19	.03	—	—	—	100	*	—
Frank E Ratts (IN)	605	135.1	30.23	2.96	2	482.0	27.62	.20	—	—	—	100	*	—
Merom (IN)	2,266	125.0	27.42	3.61	11	466.8	27.12	.00	—	—	—	100	*	—
Houston Lighting & Power Co	17,101	210.3	31.52	.68	36	423.6	25.59	.67	235,799	[2] 154.7	1.59	51	*	49
Limestone (TX)	7,931	168.9	21.62	.98	8	499.7	29.01	.49	2,282	[2] 158.8	1.64	98	*	2
Cedar Bayou (TX)	—	—	—	—	17	360.3	22.39	.91	77,979	154.6	1.59	—	*	100
Deepwater (TX)	—	—	—	—	—	—	—	—	1,470	158.0	1.64	—	—	100
Green Bayou (TX)	—	—	—	—	4	423.7	25.67	.51	13,327	160.3	1.66	—	*	100
Robinson (TX)	—	—	—	—	1	405.1	24.41	.70	71,022	150.9	1.56	—	*	100
Bertron (TX)	—	—	—	—	1	399.2	23.35	.70	5,754	153.2	1.58	—	*	100
Wharton (TX)	—	—	—	—	4	570.9	33.26	.13	14,380	158.5	1.62	—	*	100
Parish (TX)	9,170	237.5	40.08	.42	—	—	—	—	37,745	158.3	1.63	80	—	20
Webster (TX)	—	—	—	—	—	—	—	—	11,839	155.9	1.60	—	—	100
Illinois Power Co	6,651	147.6	32.47	2.40	111	382.8	23.07	.57	3,226	152.0	1.54	97	*	2
Baldwin (IL)	4,250	148.4	31.83	2.83	12	498.3	28.88	.30	—	—	—	100	*	—
Havana (IL)	604	153.9	37.49	.62	77	345.8	21.19	.69	—	—	—	97	3	—
Hennepin (IL)	711	151.2	32.40	2.92	—	—	—	—	1,909	134.1	1.36	89	—	11
Vermilion (IL)	395	126.3	27.05	2.45	7	476.1	27.60	.30	—	—	—	99	1	—
Wood River (IL)	690	145.4	35.16	.78	15	448.8	26.01	.30	1,316	178.0	1.80	92	*	7
Imperial Irrigation District	—	—	—	—	35	277.7	17.44	1.33	3,855	263.2	2.70	—	5	95
El Centro (CA)	—	—	—	—	35	277.7	17.44	1.33	3,855	263.2	2.70	—	5	95
Independence City of	30	157.6	38.17	3.61	5	722.1	41.66	.30	16	216.8	2.17	94	4	2
Blue Valley (MO)	30	157.6	38.17	3.61	5	722.1	41.66	.30	16	216.8	2.17	94	4	2
Indiana Michigan Power Co	11,114	123.9	22.53	.60	158	517.0	29.75	.19	—	—	—	100	*	—
Breed (IN)	114	151.0	32.76	3.82	6	478.4	27.57	.00	—	—	—	99	1	—
Tanners Creek (IN)	1,692	149.6	35.05	1.93	21	500.2	29.09	.19	—	—	—	100	*	—
Rockport (IN)	9,307	117.1	20.13	.32	130	521.6	29.96	.19	—	—	—	100	*	—
Indiana-Kentucky Electric Corp	4,161	109.7	25.05	3.18	4	510.0	29.51	.28	—	—	—	100	*	—
Clifty Creek (IN)	4,161	109.7	25.05	3.18	4	510.0	29.51	.28	—	—	—	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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Indianapolis Power & Light Co	**5,768**	**108.2**	**24.24**	**2.41**	**38**	**498.1**	**28.87**	**0.29**	**—**	**—**	**—**	**100**	*****	**—**
Stout (IN)	1,085	132.9	29.53	1.63	3	553.7	32.39	.23	—	—	—	100	*	—
Pritchard (IN)	299	125.2	28.53	1.05	20	490.0	28.46	.31	—	—	—	98	2	—
Petersburg (IN)	4,384	101.0	22.64	2.70	15	497.7	28.71	.28	—	—	—	100	*	—
Interstate Power Co	**1,269**	**186.2**	**37.44**	**1.40**	**16**	**278.1**	**17.24**	**.84**	**1,654**	**172.1**	**1.72**	**94**	*****	**6**
Dubuque (IA)	129	200.3	44.16	2.91	*	386.6	22.73	.00	15	231.1	2.31	99	*	1
Lansing (IA)	563	241.5	41.34	.46	4	449.4	26.42	.00	—	—	—	100	*	—
Kapp (IA)	501	140.5	31.80	2.03	—	—	—	—	38	276.9	2.81	100	—	*
Fox Lake (MN)	75	154.2	34.28	1.68	11	216.2	13.68	1.18	1,601	169.0	1.69	50	2	48
Iowa Electric Light & Power Co	**936**	**125.8**	**24.17**	**1.34**	**16**	**446.9**	**26.00**	**.00**	**1,178**	**251.9**	**2.52**	**93**	*****	**6**
6th St (IA)	87	158.0	36.16	2.03	*	598.9	34.84	.00	713	265.2	2.65	73	*	26
Praire Creek (IA)	520	131.1	25.40	1.56	4	470.5	27.37	.00	135	242.5	2.43	98	*	1
Sutherland (IA)	329	106.0	19.08	.82	12	437.7	25.46	.00	330	227.2	2.27	94	1	5
Iowa Power Inc.	**2,393**	**90.4**	**15.14**	**.32**	**13**	**397.6**	**22.71**	**.46**	**47**	**270.3**	**2.69**	**100**	*****	*****
Council Bluffs (IA)	2,393	90.4	15.14	.32	13	397.6	22.71	.46	47	270.3	2.69	100	*	*
Iowa Public Service Co	**5,414**	**86.0**	**15.06**	**.36**	**16**	**446.0**	**25.85**	**.00**	**199**	**[2] 407.2**	**4.07**	**100**	*****	*****
George Neal 1-4 (IA)	5,414	86.0	15.06	.36	16	446.0	25.85	.00	199	[2] 407.2	4.07	100	*	*
Iowa Southern Utilities Co	**2,830**	**106.3**	**18.33**	**.59**	**5**	**519.9**	**30.11**	**.04**	**—**	**—**	**—**	**100**	*****	**—**
Burlington (IA)	377	116.5	24.04	2.35	3	484.6	28.06	.04	—	—	—	100	*	—
Ottumwa (IA)	2,453	104.4	17.45	.32	2	565.2	32.73	.04	—	—	—	100	*	—
Iowa-Illinois Gas&Electric Co	**2,670**	**106.2**	**18.28**	**.56**	**—**	**—**	**—**	**—**	**434**	**287.6**	**2.93**	**99**	**—**	**1**
Riverside (IA)	301	130.6	28.34	2.40	—	—	—	—	308	296.2	3.02	95	—	5
Louisa (IA)	2,369	102.1	17.00	.32	—	—	—	—	126	266.5	2.72	100	—	*
Jacksonville Electric Auth	**3,983**	**166.0**	**41.00**	**1.07**	**2,047**	**204.5**	**12.96**	**1.72**	**14,557**	**202.4**	**2.13**	**78**	**10**	**12**
St Johns River (FL)	3,983	166.0	41.00	1.07	35	481.2	28.09	.35	—	—	—	100	*	—
Kennedy (FL)	—	—	—	—	—	—	—	—	596	204.0	2.13	—	—	100
Northside (FL)	—	—	—	—	2,012	200.0	12.69	1.75	11,689	201.1	2.12	—	51	49
Southside (FL)	—	—	—	—	—	—	—	—	2,272	208.5	2.19	—	—	100
Jamestown City of	**111**	**143.4**	**36.25**	**1.96**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Samuel A Carlson (NY)	111	143.4	36.25	1.96	—	—	—	—	—	—	—	100	—	—
Jersey Central Power&Light Co	**—**	**—**	**—**	**—**	**224**	**346.7**	**21.31**	**.45**	**9,761**	**228.3**	**2.35**	**—**	**12**	**88**
Werner (NJ)	—	—	—	—	57	285.4	18.02	.28	—	—	—	—	100	—
Sayreville (NJ)	—	—	—	—	19	430.1	24.87	.10	3,923	233.7	2.41	—	3	97
Gilbert (NJ)	—	—	—	—	148	360.9	22.13	.56	5,838	224.6	2.31	—	13	87
Kansas City City of	**1,351**	**132.4**	**24.23**	**.77**	**14**	**446.5**	**25.88**	**.00**	**2,310**	**202.6**	**2.03**	**91**	*****	**9**
Kaw (KS)	106	159.6	34.30	1.01	1	492.2	28.53	.00	1,333	215.0	2.15	63	*	37
Quindaro (KS)	327	189.3	42.29	1.84	1	485.3	28.13	.00	977	185.7	1.87	88	*	12
Nearman (KS)	919	101.0	16.65	.36	12	441.8	25.60	.00	—	—	—	100	*	—
Kansas City Power & Light Co	**8,336**	**97.7**	**17.71**	**.66**	**77**	**441.3**	**25.64**	**.16**	**735**	**257.1**	**2.58**	**99**	*****	*****
La Cygne (KS)	3,008	105.6	20.42	1.29	63	434.8	25.25	.15	—	—	—	99	1	—
Hawthorne (MO)	1,463	93.4	16.30	.23	—	—	—	—	735	257.1	2.58	97	—	3
Montrose (MO)	1,389	104.3	18.00	.29	5	443.4	25.72	.18	—	—	—	100	*	—
Iatan (MO)	2,476	86.1	15.09	.35	9	486.4	28.32	.20	—	—	—	100	*	—
Kansas Gas & Electric Co	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**16,528**	**173.7**	**1.66**	**—**	**—**	**100**
Evans (KS)	—	—	—	—	—	—	—	—	11,321	174.7	1.65	—	—	100
Gill (KS)	—	—	—	—	—	—	—	—	5,207	171.5	1.70	—	—	100
Kansas Power & Light Co	**8,459**	**130.8**	**22.97**	**.33**	**12**	**401.3**	**23.49**	**.30**	**3,494**	**163.4**	**1.63**	**98**	*****	**2**
Hutchinson (KS)	—	—	—	—	—	—	—	—	2,513	172.9	1.71	—	—	100
Lawrence (KS)	1,098	130.0	27.16	.42	—	—	—	—	314	155.3	1.56	99	—	1
Tecumseh (KS)	360	130.1	27.11	.42	—	—	—	—	667	132.1	1.34	92	—	8
Jeffrey Energy Cnt (KS)	7,001	131.0	22.10	.31	12	401.3	23.49	.30	—	—	—	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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Kentucky Power Co	**1,791**	**130.3**	**31.41**	**0.98**	**34**	**472.3**	**27.59**	**0.00**	**—**	**—**	**—**	**100**	*****	**—**
Big Sandy (KY)	1,791	130.3	31.41	.98	34	472.3	27.59	.00	—	—	—	100	*	—
Kentucky Utilities Co	**5,821**	**116.5**	**27.98**	**1.50**	**50**	**558.4**	**32.83**	**.40**	**—**	**—**	**—**	**100**	*****	**—**
Brown (KY)	1,459	112.6	27.10	1.75	9	568.8	33.44	.40	—	—	—	100	*	—
Ghent (KY)	4,006	118.1	28.38	1.35	35	562.7	33.09	.40	—	—	—	100	*	—
Green River (KY)	331	112.9	26.95	2.17	1	549.3	32.30	.40	—	—	—	100	*	—
Tyrone (KY)	26	119.5	29.23	1.02	5	508.9	29.92	.40	—	—	—	96	4	—
Lafayette City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**3,057**	**153.4**	**1.60**	**—**	**—**	**100**
Bonin (LA)	—	—	—	—	—	—	—	—	3,057	153.4	1.60	—	—	100
Lake Worth City of	**—**	**—**	**—**	**—**	**4**	**479.2**	**28.18**	**.16**	**1,699**	**254.1**	**2.63**	**—**	**1**	**99**
Tom G Smith (FL)	—	—	—	—	4	479.2	28.18	.16	1,699	254.1	2.63	—	1	99
Lakeland City of	**849**	**197.1**	**49.06**	**1.02**	**277**	**267.8**	**16.74**	**2.06**	**5,130**	**177.0**	**1.83**	**75**	**6**	**19**
Larsen Mem (FL)	—	—	—	—	57	267.8	16.88	2.18	444	170.8	1.77	—	44	56
Plant 3-Mcintosh (FL)	849	197.1	49.06	1.02	220	267.8	16.70	2.03	4,686	177.6	1.84	77	5	18
Lansing City of	**895**	**182.6**	**47.17**	**.85**	**12**	**457.6**	**26.52**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Eckert (MI)	604	183.9	47.52	.84	10	459.4	26.63	.30	—	—	—	100	*	—
Erickson (MI)	290	179.9	46.44	.85	1	443.8	25.72	.30	—	—	—	100	*	—
Long Island Lighting Co	**—**	**—**	**—**	**—**	**14,038**	**259.8**	**16.60**	**.87**	**30,534**	**195.6**	**2.02**	**—**	**74**	**26**
Barrett (NY)	—	—	—	—	229	362.1	22.69	.35	19,602	197.3	2.03	—	7	93
Far Rockaway (NY)	—	—	—	—	95	329.8	20.63	.29	4,115	192.7	1.99	—	12	88
Glenwood (NY)	—	—	—	—	30	418.8	26.22	.36	6,817	192.6	1.98	—	3	97
Northport (NY)	—	—	—	—	10,960	256.2	16.39	.87	—	—	—	—	100	—
Port Jefferson (NY)	—	—	—	—	2,724	261.5	16.70	.94	—	—	—	—	100	—
Los Angeles City of	**4,785**	**147.8**	**34.77**	**.47**	**9**	**450.0**	**26.08**	**.30**	**40,048**	**304.2**	**3.15**	**73**	*****	**27**
Harbor (CA)	—	—	—	—	—	—	—	—	167	288.5	2.99	—	—	100
Haynes (CA)	—	—	—	—	—	—	—	—	26,277	302.8	3.14	—	—	100
Scattergood (CA)	—	—	—	—	—	—	—	—	11,648	304.8	3.15	—	—	100
Valley (CA)	—	—	—	—	—	—	—	—	1,954	321.7	3.32	—	—	100
Intermountain (UT)	4,785	147.8	34.77	.47	9	450.0	26.08	.30	—	—	—	100	*	—
Louisiana Power & Light Co	**—**	**—**	**—**	**—**	**22**	**331.8**	**20.57**	**.75**	**107,570**	**137.1**	**1.43**	**—**	*****	**100**
Little Gypsy (LA)	—	—	—	—	3	503.2	30.06	.25	28,197	145.2	1.51	—	*	100
Nine Mile (LA)	—	—	—	—	3	502.4	30.85	.26	54,872	124.6	1.30	—	*	100
Sterlington (LA)	—	—	—	—	2	510.5	29.35	.25	1,612	158.2	1.65	—	1	99
Waterford (LA)	—	—	—	—	14	240.9	15.23	1.02	22,889	155.5	1.62	—	*	100
Louisville Gas & Electric Co	**5,196**	**105.2**	**24.30**	**3.07**	**58**	**535.7**	**31.50**	**.13**	**165**	**258.6**	**2.65**	**100**	*****	*****
Cane Run (KY)	922	108.5	25.18	3.10	1	594.9	34.98	.17	81	256.6	2.63	100	*	*
Mill Creek (KY)	2,734	106.0	24.73	3.13	42	529.1	31.11	.12	84	260.4	2.67	99	*	*
Trimble County (KY)	1,540	101.7	23.00	2.97	15	550.6	32.38	.15	—	—	—	100	*	—
Lower Colorado River Authority	**5,576**	**135.0**	**23.07**	**.38**	**25**	**454.7**	**26.93**	**.00**	**19,562**	**151.1**	**1.55**	**82**	*****	**17**
Gideon (TX)	—	—	—	—	—	—	—	—	11,389	157.4	1.61	—	—	100
T C Ferguson (TX)	—	—	—	—	—	—	—	—	8,173	142.5	1.48	—	—	100
S Seymour-Fayette (TX)	5,576	135.0	23.07	.38	25	454.7	26.93	.00	—	—	—	100	*	—
Lubbock City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**6,262**	**200.6**	**2.07**	**—**	**—**	**100**
Holly Ave (TX)	—	—	—	—	—	—	—	—	6,262	200.6	2.07	—	—	100
Madison Gas & Electric Co	**91**	**168.1**	**40.99**	**1.98**	**—**	**—**	**—**	**—**	**617**	**264.6**	**2.66**	**78**	**—**	**22**
Blount (WI)	91	168.1	40.99	1.98	—	—	—	—	617	264.6	2.66	78	—	22
Manitowoc City of	**143**	**170.7**	**45.45**	**1.01**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Manitowoc (WI)	143	170.7	45.45	1.01	—	—	—	—	—	—	—	100	—	—
Marquette City of	**163**	**185.4**	**32.42**	**.45**	**1**	**485.5**	**28.14**	**.00**	**—**	**—**	**—**	**100**	*****	**—**
Shiras (MI)	163	185.4	32.42	.45	1	485.5	28.14	.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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Massachusetts Mun Wholes El Co	—	—	—	—	—	—	—	—	6,175	233.2	2.38	—	—	100
Stonybrook (MA)	—	—	—	—	—	—	—	—	6,175	233.2	2.38	—	—	100
Medina Electric Coop Inc	—	—	—	—	—	—	—	—	81	157.8	1.76	—	—	100
Pearsall (TX)	—	—	—	—	—	—	—	—	81	157.8	1.76	—	—	100
Metropolitan Edison Co	1,047	161.2	42.59	1.75	36	470.5	27.34	0.18	—	—	—	99	1	—
Portland (PA)	658	155.4	41.08	1.84	16	463.5	26.93	.20	—	—	—	99	1	—
Titus (PA)	389	171.0	45.15	1.60	20	476.0	27.66	.17	—	—	—	99	1	—
Michigan South Central Pwr Agy	127	203.1	48.43	3.07	2	576.9	33.56	.30	—	—	—	100	*	—
Project I (MI)	127	203.1	48.43	3.07	2	576.9	33.56	.30	—	—	—	100	*	—
Minnesota Power & Light Co	3,621	148.6	26.25	.59	18	470.6	27.09	.06	—	—	—	100	*	—
Aurora-Syl Laskin (MN)	54	182.7	33.23	.64	2	507.2	29.09	.02	—	—	—	99	1	—
Boswell (MN)	3,567	148.1	26.14	.59	16	465.7	26.82	.06	—	—	—	100	*	—
Minnkota Power Coop Inc	4,056	45.4	6.25	1.24	7	458.2	26.94	.40	—	—	—	100	*	—
Young (ND)	4,056	45.4	6.25	1.24	7	458.2	26.94	.40	—	—	—	100	*	—
Mississippi Power & Light Co	—	—	—	—	630	207.0	13.20	2.79	36,835	159.4	1.64	—	10	90
Wilson (MS)	—	—	—	—	204	210.1	13.29	2.68	16,353	158.2	1.63	—	7	93
Delta (MS)	—	—	—	—	—	—	—	—	1,107	147.1	1.53	—	—	100
Natchez (MS)	—	—	—	—	*	525.2	30.16	.30	—	—	—	—	100	—
Brown (MS)	—	—	—	—	—	—	—	—	7,684	170.8	1.73	—	—	100
Gerald Andrus (MS)	—	—	—	—	427	205.4	13.15	2.85	11,692	155.0	1.61	—	18	82
Mississippi Power Co	2,932	156.7	39.46	1.72	18	458.9	26.39	.32	3,856	145.7	1.48	95	*	5
Eaton (MS)	—	—	—	—	—	—	—	—	151	165.8	1.70	—	—	100
Sweatt (MS)	—	—	—	—	—	—	—	—	201	171.1	1.75	—	—	100
Watson (MS)	1,519	144.2	36.09	2.68	—	—	—	—	3,504	143.4	1.46	91	—	9
Daniel (MS)	1,412	169.9	43.09	.69	18	458.9	26.39	.32	—	—	—	100	*	—
Missouri Public Service Comm	957	148.2	32.57	2.80	—	—	—	—	—	—	—	100	—	—
Sibley (MO)	957	148.2	32.57	2.80	—	—	—	—	—	—	—	100	—	—
Monongahela Power Co	10,762	134.7	34.64	2.57	97	513.0	30.38	.18	196	363.3	3.63	100	*	*
Albright (WV)	551	105.5	26.36	1.47	7	521.4	30.88	.30	—	—	—	100	*	—
Ft Martin (WV)	2,663	153.2	38.98	1.71	25	493.3	29.21	.30	—	—	—	100	*	—
Harrison (WV)	4,588	141.4	37.25	3.04	3	529.6	31.36	.30	194	363.6	3.64	100	*	*
Rivesville (WV)	177	117.7	28.86	.94	4	528.2	31.28	.30	1	427.3	4.27	99	1	*
Willow Island (WV)	286	117.2	29.48	1.43	4	519.9	30.79	.30	1	265.5	2.65	100	*	*
Pleasants (WV)	2,498	111.5	28.03	3.10	55	518.8	30.72	.09	—	—	—	99	1	—
Montana Power Co	10,173	66.4	11.38	.65	22	471.7	27.94	.00	75	395.3	4.75	100	*	*
Corette (MT)	512	73.9	12.84	.63	—	—	—	—	75	395.3	4.75	99	—	1
Colstrip (MT)	9,661	66.0	11.31	.65	22	471.7	27.94	.00	—	—	—	100	*	—
Montana-Dakota Utilities Co	2,354	83.1	11.43	1.10	12	482.6	27.68	.30	8	376.6	4.21	100	*	*
Heskett (ND)	403	105.2	14.85	.89	—	—	—	—	*	433.9	4.36	100	—	*
Lewis and Clark (MT)	225	108.5	14.13	.57	—	—	—	—	8	375.1	4.21	100	—	*
Coyote (ND)	1,727	74.6	10.27	1.21	12	482.6	27.68	.30	—	—	—	100	*	—
Montaup Electric Co	284	182.3	47.07	1.10	191	295.7	18.34	.73	—	—	—	86	14	—
Somerset (MA)	284	182.3	47.07	1.10	191	295.7	18.34	.73	—	—	—	86	14	—
Morgan City City of	—	—	—	—	—	—	—	—	465	180.3	1.89	—	—	100
Morgan City (LA)	—	—	—	—	—	—	—	—	465	180.3	1.89	—	—	100
Muscatine City of	541	215.4	47.47	2.97	3	406.5	23.64	.00	11	272.0	2.72	100	*	*
Muscatine (IA)	541	215.4	47.47	2.97	3	406.5	23.64	.00	11	272.0	2.72	100	*	*
Nebraska Public Power District	4,132	83.2	14.60	.37	1	489.2	28.38	.24	468	230.9	2.20	99	*	1
Sheldon (NE)	755	78.8	13.87	.37	—	—	—	—	12	439.3	4.39	100	—	*
Gerald Gentleman (NE)	3,377	84.2	14.77	.36	1	489.2	28.38	.24	456	224.9	2.14	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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Nevada Power Co	**1,676**	**181.3**	**43.19**	**0.57**	**12**	**527.7**	**30.78**	**0.25**	**1,998**	**260.2**	**2.66**	**95**	*****	**5**
Clark (NV)	—	—	—	—	—	—	—	—	1,179	271.1	2.77	—	—	100
Gardner (NV)	1,676	181.3	43.19	.57	7	533.5	30.82	.21	—	—	—	100	*	—
Sunrise (NV)	—	—	—	—	5	520.0	30.73	.29	819	244.6	2.50	—	4	96
New England Power Co	**3,594**	**171.4**	**45.11**	**1.20**	**5,714**	**262.0**	**16.71**	**1.73**	**1,821**	**198.0**	**2.04**	**71**	**27**	**1**
Brayton (MA)	2,713	171.2	45.00	1.15	3,051	254.9	16.18	1.99	—	—	—	79	21	—
Salem Harbor (MA)	881	172.0	45.45	1.35	2,496	271.9	17.45	1.45	—	—	—	59	41	—
Manchester St (RI)	—	—	—	—	167	241.1	15.34	.91	1,821	198.0	2.04	—	36	64
New Orleans Public Service Inc	**—**	**—**	**—**	**—**	**3**	**281.9**	**17.69**	**1.21**	**23,243**	**152.3**	**1.57**	**—**	*****	**100**
Paterson (LA)	—	—	—	—	*	541.6	31.31	.16	—	—	—	—	100	—
Michoud (LA)	—	—	—	—	2	231.9	14.79	1.43	23,243	152.3	1.57	—	*	100
New York State Elec & Gas Corp	**3,668**	**146.9**	**37.10**	**2.04**	**23**	**561.1**	**32.29**	**.14**	**—**	**—**	**—**	**100**	*****	**—**
Goudey (NY)	276	149.7	38.75	1.62	4	597.3	34.37	.14	—	—	—	100	*	—
Greenidge (NY)	305	148.9	37.42	1.81	8	547.4	31.50	.14	—	—	—	99	1	—
Hickling (NY)	269	142.5	30.82	1.00	—	—	—	—	—	—	—	100	—	—
Jennison (NY)	242	162.4	35.75	.98	—	—	—	—	—	—	—	100	—	—
Milliken (NY)	846	156.1	39.09	1.89	2	590.1	33.95	.14	—	—	—	100	*	—
Kintigh (NY)	1,730	140.6	36.97	2.53	9	550.7	31.69	.14	—	—	—	100	*	—
Niagara Mohawk Power Corp	**3,215**	**151.1**	**39.73**	**1.97**	**6,924**	**249.4**	**15.80**	**1.21**	**21,616**	**213.6**	**2.21**	**56**	**29**	**15**
Albany (NY)	—	—	—	—	846	242.6	15.41	1.30	18,519	209.6	2.17	—	22	78
Huntley (NY)	1,728	156.0	41.06	1.80	17	584.1	33.93	.42	—	—	—	100	*	—
Dunkirk (NY)	1,486	145.3	38.19	2.16	16	504.6	29.27	.47	—	—	—	100	*	—
Oswego (NY)	—	—	—	—	6,044	248.9	15.77	1.20	3,097	237.6	2.45	—	92	8
Northern Indiana Pub Serv Co	**6,315**	**152.3**	**33.32**	**1.77**	**—**	**—**	**—**	**—**	**8,542**	**234.6**	**2.35**	**94**	**—**	**6**
Bailly (IN)	524	138.8	30.80	2.98	—	—	—	—	966	262.5	2.63	92	—	8
Mitchell (IN)	1,027	130.9	25.04	.44	—	—	—	—	2,470	222.0	2.22	89	—	11
Michigan City (IN)	1,318	133.4	29.83	2.67	—	—	—	—	4,365	235.2	2.35	87	—	13
Rollin Schahfer (IN)	3,446	167.0	37.51	1.65	—	—	—	—	742	236.7	2.37	99	—	1
Northern States Power Co	**12,263**	**118.7**	**20.80**	**.43**	**4**	**429.3**	**25.20**	**.40**	**792**	**183.1**	**1.86**	**100**	*****	*****
Black Dog (MN)	583	126.5	22.39	.27	—	—	—	—	332	165.5	1.67	97	—	3
High Bridge (MN)	310	105.8	18.62	.23	—	—	—	—	215	209.6	2.16	96	—	4
King (MN)	1,695	115.5	20.39	.34	—	—	—	—	—	—	—	100	—	—
Riverside (MN)	1,017	110.0	19.33	.23	—	—	—	—	73	200.1	2.02	100	—	*
Pathfinder (SD)	—	—	—	—	—	—	—	—	172	175.8	1.77	—	—	100
Sherburne County (MN)	8,658	120.3	21.02	.49	4	429.3	25.20	.40	—	—	—	100	*	—
Ohio Edison Co	**7,329**	**128.5**	**31.45**	**2.09**	**45**	**485.5**	**28.05**	**.27**	**46**	**297.0**	**3.17**	**100**	*****	*****
Edgewater (OH)	168	137.9	32.81	1.79	4	480.7	27.69	.27	—	—	—	99	1	—
Gorge Steam (OH)	45	146.8	37.50	2.28	1	455.6	26.26	.26	—	—	—	99	1	—
Niles (OH)	557	111.4	26.47	2.78	1	487.9	28.10	.26	46	297.0	3.17	100	*	*
Burger (OH)	997	119.9	28.88	3.31	4	495.6	28.71	.41	—	—	—	100	*	—
Sammis (OH)	5,325	132.3	32.63	1.72	32	486.7	28.13	.25	—	—	—	100	*	—
Toronto (OH)	236	105.7	25.07	3.79	2	473.8	27.28	.23	—	—	—	100	*	—
Ohio Power Co	**14,364**	**167.7**	**38.95**	**3.32**	**140**	**532.2**	**30.65**	**.00**	**—**	**—**	**—**	**100**	*****	**—**
Muskingum (OH)	3,048	172.5	39.89	4.20	39	521.3	29.65	.00	—	—	—	100	*	—
Tidd (OH)	20	131.3	31.99	3.28	—	—	—	—	—	—	—	100	—	—
Kammer (WV)	1,940	134.2	32.81	4.39	4	534.2	30.83	.00	—	—	—	100	*	—
Mitchell (WV)	2,630	191.3	45.61	1.47	49	532.5	30.97	.00	—	—	—	100	*	—
Gavin (OH)	6,727	166.3	37.70	3.35	48	540.2	31.12	.00	—	—	—	100	*	—
Ohio Valley Electric Corp	**3,264**	**125.1**	**30.00**	**3.81**	**5**	**590.5**	**34.29**	**.37**	**—**	**—**	**—**	**100**	*****	**—**
Kyger Creek (OH)	3,264	125.1	30.00	3.81	5	590.5	34.29	.37	—	—	—	100	*	—
Oklahoma Gas & Electric Co	**7,749**	**124.2**	**22.18**	**.41**	**21**	**408.7**	**23.59**	**.43**	**78,534**	**313.4**	**3.25**	**63**	*****	**37**
Horseshoe Lake (OK)	—	—	—	—	—	—	—	—	21,254	309.0	3.20	—	—	100
Muskogee (OK)	4,615	124.8	22.51	.42	—	—	—	—	4,965	329.7	3.42	94	—	6
Mustang (OK)	—	—	—	—	—	—	—	—	10,963	317.3	3.29	—	—	100
Seminole (OK)	—	—	—	—	—	—	—	—	41,352	312.6	3.24	—	—	100
Sooner (OK)	3,134	123.3	21.70	.39	21	408.7	23.59	.43	—	—	—	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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Omaha Public Power District	**3,940**	**63.6**	**10.55**	**0.35**	**7**	**451.3**	**26.06**	**0.20**	**413**	**212.7**	**2.11**	**99**	*****	**1**
North Omaha (NE)	1,587	64.5	10.66	.37	—	—	—	—	413	212.7	2.11	98	—	2
Nebraska City (NE)	2,353	62.9	10.48	.33	7	451.3	26.06	.20	—	—	—	100	*	—
Orange & Rockland Utils Inc	**711**	**207.8**	**54.23**	**.55**	**3,490**	**293.6**	**18.38**	**.34**	**26,176**	**258.7**	**2.67**	**28**	**32**	**40**
Bowline (NY)	—	—	—	—	3,419	294.0	18.41	.34	22,997	258.1	2.67	—	47	53
Lovett (NY)	711	207.8	54.23	.55	71	270.7	17.00	.33	3,179	263.1	2.72	83	2	15
Orlando Utilities Comm	**1,036**	**194.0**	**49.16**	**.77**	**1,308**	**202.1**	**12.85**	**1.46**	**10,504**	**205.0**	**2.12**	**58**	**18**	**24**
Stanton Energy (FL)	1,036	194.0	49.16	.77	17	367.1	22.23	.63	—	—	—	100	*	—
Indian River (FL)	—	—	—	—	1,291	200.0	12.73	1.47	10,504	205.0	2.12	—	43	57
Orrville City of	**175**	**104.2**	**24.04**	**3.63**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Orrville (OH)	175	104.2	24.04	3.63	—	—	—	—	—	—	—	100	—	—
Otter Tail Power Co	**2,484**	**115.0**	**14.33**	**.83**	**7**	**474.6**	**27.91**	**.31**	**—**	**—**	**—**	**100**	*****	**—**
Hoot Lake (MN)	158	131.6	24.32	.28	3	459.2	27.00	.31	—	—	—	99	1	—
Big Stone (SD)	2,326	113.3	13.65	.87	4	487.9	28.69	.31	—	—	—	100	*	—
Owensboro City of	**826**	**108.1**	**24.27**	**2.97**	**5**	**480.5**	**27.85**	**.38**	**—**	**—**	**—**	**100**	*****	**—**
Smith (KY)	826	108.1	24.27	2.97	5	480.5	27.85	.38	—	—	—	100	*	—
Pacific Gas & Electric Co	**—**	**—**	**—**	**—**	**2,011**	**306.7**	**18.77**	**.29**	**219,167**	**292.9**	**2.99**	**—**	**5**	**95**
Contra Costa (CA)	—	—	—	—	—	—	—	—	29,477	295.9	3.02	—	—	100
Humboldt Bay (CA)	—	—	—	—	40	254.0	16.13	1.62	1,553	293.0	2.99	—	14	86
Hunters Point (CA)	—	—	—	—	—	—	—	—	12,613	295.8	3.00	—	—	100
Morro Bay (CA)	—	—	—	—	—	—	—	—	29,784	293.4	3.00	—	—	100
Moss Landing (CA)	—	—	—	—	1,092	335.6	20.26	.17	66,741	289.8	2.96	—	9	91
Pittsburg (CA)	—	—	—	—	819	275.0	17.05	.39	67,245	293.7	3.00	—	7	93
Potrero (CA)	—	—	—	—	60	265.0	17.00	.36	11,754	294.1	2.98	—	3	97
PacifiCorp	**28,182**	**99.6**	**18.82**	**.56**	**119**	**511.2**	**30.06**	**.30**	**4,036**	**164.7**	**1.76**	**99**	*****	**1**
Carbon (UT)	527	89.9	21.15	.46	1	599.2	35.23	.30	—	—	—	100	*	—
Gadsby (UT)	—	—	—	—	—	—	—	—	3,960	161.5	1.72	—	—	100
Centralia (WA)	4,890	154.7	24.77	.67	15	571.7	33.61	.30	—	—	—	100	*	—
Johnston (WY)	4,303	60.4	9.46	.40	13	542.7	31.91	.30	—	—	—	100	*	—
Naughton (WY)	2,210	121.0	23.76	.71	2	536.6	31.55	.30	76	333.6	3.51	100	*	*
Wyodak (WY)	1,712	63.1	10.00	.67	10	521.5	30.67	.30	—	—	—	100	*	—
Emery-Hunter (UT)	4,099	80.9	18.28	.47	21	507.5	29.84	.30	—	—	—	100	*	—
Jim Bridger (WY)	7,728	105.3	20.34	.62	42	485.6	28.55	.30	—	—	—	100	*	—
Huntington (UT)	2,713	89.3	20.49	.42	15	483.9	28.45	.30	—	—	—	100	*	—
Painesville City of	**92**	**138.9**	**33.85**	**2.85**	**—**	**—**	**—**	**—**	**20**	**411.4**	**4.11**	**99**	**—**	**1**
Painesville (OH)	92	138.9	33.85	2.85	—	—	—	—	20	411.4	4.11	99	—	1
Pasadena City of	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**3,514**	**270.1**	**2.77**	**—**	**—**	**100**
Broadway (CA)	—	—	—	—	—	—	—	—	3,514	270.1	2.77	—	—	100
Pennsylvania Electric Co	**16,531**	**142.6**	**34.74**	**1.85**	**197**	**467.1**	**27.23**	**.05**	**12**	**297.3**	**2.97**	**100**	*****	*****
Conemaugh (PA)	4,533	140.6	35.11	2.19	23	465.4	27.13	.05	12	297.3	2.97	100	*	*
Front St (PA)	—	—	—	—	1	618.5	36.06	.05	—	—	—	—	100	—
Homer City (PA)	5,321	152.1	35.85	1.77	40	460.5	26.85	.05	—	—	—	100	*	—
Seward (PA)	563	108.7	26.27	1.55	22	481.6	28.07	.05	—	—	—	99	1	—
Shawville (PA)	1,473	111.5	27.37	1.92	68	465.3	27.12	.05	—	—	—	99	1	—
Warren (PA)	188	124.2	30.45	1.88	—	—	—	—	—	—	—	100	—	—
Keystone (PA)	4,453	148.9	36.74	1.62	43	466.0	27.17	.05	—	—	—	100	*	—
Pennsylvania Power & Light Co	**8,920**	**180.5**	**43.73**	**1.75**	**2,327**	**236.5**	**14.95**	**.83**	**—**	**—**	**—**	**94**	**6**	**—**
Brunner Island (PA)	3,443	189.9	47.32	1.85	45	484.7	28.18	.13	—	—	—	100	*	—
Holtwood (PA)	225	116.1	19.56	.58	—	—	—	—	—	—	—	100	—	—
Martins Creek (PA)	547	208.3	52.94	1.99	—	—	—	—	—	—	—	100	—	—
Montour (PA)	3,583	184.5	46.17	1.80	70	477.0	27.86	.12	—	—	—	100	*	—
Sunbury (PA)	1,122	123.5	25.32	1.41	5	513.0	29.92	.11	—	—	—	100	*	—
Storage Facility #1	—	—	—	—	2,207	224.3	14.24	.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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Pennsylvania Power Co	**5,919**	**159.0**	**38.68**	**3.72**	**111**	**493.6**	**28.43**	**0.31**	**—**	**—**	**—**	**100**	*****	**—**
New Castle (PA)	616	131.7	32.20	1.42	8	521.1	30.21	.24	—	—	—	100	*	—
Bruce Mansfield (PA)	5,303	162.2	39.43	3.99	103	491.4	28.29	.31	—	—	—	100	*	—
Philadelphia Electric Co	**584**	**167.7**	**44.32**	**1.75**	**2,033**	**279.0**	**17.64**	**.49**	**—**	**—**	**—**	**55**	**45**	**—**
Cromby (PA)	99	163.7	43.32	1.86	41	485.4	28.46	.10	—	—	—	92	8	—
Delaware (PA)	—	—	—	—	406	312.9	19.76	.40	—	—	—	—	100	—
Eddystone (PA)	485	168.5	44.53	1.73	940	273.7	17.39	.40	—	—	—	68	32	—
Schuylkill (PA)	—	—	—	—	238	264.9	16.66	.39	—	—	—	—	100	—
Storage Facility #1	—	—	—	—	408	246.4	15.60	.91	—	—	—	—	100	—
Plains Elec Gen&Trans Coop Inc	**874**	**131.2**	**23.62**	**.66**	**—**	**—**	**—**	**—**	**17**	**388.9**	**3.29**	**100**	**—**	*****
Escalante (NM)	874	131.2	23.62	.66	—	—	—	—	17	388.9	3.29	100	—	*
Platte River Power Authority	**1,001**	**75.7**	**13.33**	**.31**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**100**	**—**	**—**
Rawhide (CO)	1,001	75.7	13.33	.31	—	—	—	—	—	—	—	100	—	—
Portland General Electric Co	**1,719**	**108.4**	**18.28**	**.32**	**84**	**475.3**	**28.08**	**.25**	**10,940**	**157.0**	**1.59**	**71**	**1**	**27**
Boardman (OR)	1,719	108.4	18.28	.32	2	408.8	24.04	.33	—	—	—	100	*	—
Beaver (OR)	—	—	—	—	82	476.9	28.18	.25	10,940	157.0	1.59	—	4	96
Potomac Edison Co	**245**	**140.7**	**36.69**	**.99**	**5**	**472.0**	**27.95**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Smith (MD)	245	140.7	36.69	.99	5	472.0	27.95	.30	—	—	—	100	*	—
Potomac Electric Power Co	**5,887**	**170.5**	**43.37**	**1.52**	**4,055**	**230.2**	**14.42**	**1.44**	**7,494**	**216.5**	**2.28**	**82**	**14**	**4**
Benning (DC)	—	—	—	—	454	318.6	19.14	.90	—	—	—	—	100	—
Chalk (MD)	1,370	177.8	44.68	1.78	2,932	221.9	13.98	1.46	7,494	216.5	2.28	57	30	13
Dickerson (MD)	1,291	146.1	37.20	1.46	12	455.1	26.38	.20	—	—	—	100	*	—
Morgantown (MD)	2,327	177.0	45.11	1.67	636	197.4	12.42	1.81	—	—	—	94	6	—
Potomac River (VA)	899	177.6	45.73	.80	21	454.6	26.38	.20	—	—	—	99	1	—
Power Authority of State of NY	**—**	**—**	**—**	**—**	**233**	**377.0**	**23.60**	**.27**	**24,705**	**299.2**	**3.08**	**—**	**5**	**95**
Poletti (NY)	—	—	—	—	233	377.0	23.60	.27	24,705	299.2	3.08	—	5	95
Public Service Co of Colorado	**7,403**	**115.1**	**21.84**	**.37**	**13**	**520.4**	**29.77**	**.28**	**2,273**	**[2] 203.7**	**2.02**	**98**	*****	**2**
Arapahoe (CO)	463	112.2	24.42	.47	—	—	—	—	75	191.9	1.89	99	—	1
Cameo (CO)	228	98.3	22.32	.57	—	—	—	—	81	389.6	4.03	98	—	2
Cherokee (CO)	1,956	116.2	25.48	.41	—	—	—	—	1,647	189.2	1.86	96	—	4
Comanche (CO)	2,291	120.2	20.49	.33	9	513.8	29.59	.26	20	178.7	1.79	100	*	*
Valmont (CO)	437	107.4	23.52	.48	—	—	—	—	176	[2] 230.7	2.30	98	—	2
Zuni (CO)	—	—	—	—	—	—	—	—	199	200.5	1.97	—	—	100
Pawnee (CO)	2,027	113.5	18.86	.31	4	536.0	30.20	.34	75	266.3	2.87	100	*	*
Public Service Co of IN Inc	**12,535**	**144.9**	**31.62**	**2.28**	**133**	**470.5**	**27.07**	**.30**	**—**	**—**	**—**	**100**	*****	**—**
Cayuga (IN)	2,437	123.3	26.75	2.18	17	480.0	27.62	.30	—	—	—	100	*	—
Edwardsport (IN)	73	90.3	20.00	2.40	3	538.3	30.97	.30	—	—	—	99	1	—
Noblesville (IN)	99	117.8	26.34	2.28	4	473.1	27.22	.30	—	—	—	99	1	—
Gallagher (IN)	1,143	127.6	28.57	2.30	34	490.7	28.24	.30	—	—	—	99	1	—
Wabash River (IN)	1,424	123.8	27.12	2.06	35	464.8	26.74	.30	—	—	—	99	1	—
Gibson Station (IN)	7,360	159.8	34.76	2.36	41	449.2	25.85	.30	—	—	—	100	*	—
Public Service Co of NH	**1,284**	**174.4**	**46.20**	**1.43**	**2,132**	**179.6**	**11.82**	**1.55**	**—**	**—**	**—**	**71**	**29**	**—**
Merrimack (NH)	960	173.8	46.18	1.71	3	498.9	29.23	.22	—	—	—	100	*	—
Schiller (NH)	325	176.2	46.28	.58	19	158.4	10.59	1.83	—	—	—	99	1	—
Newington Station (NH)	—	—	—	—	2,110	179.4	11.81	1.55	—	—	—	—	100	—
Public Service Co of NM	**4,336**	**185.0**	**35.53**	**.84**	**78**	**535.3**	**30.58**	**1.00**	**44**	**272.0**	**2.77**	**99**	**1**	*****
Reeves (NM)	—	—	—	—	—	—	—	—	44	272.0	2.77	—	—	100
San Juan (NM)	4,336	185.0	35.53	.84	78	535.3	30.58	1.00	—	—	—	99	1	—
Public Service Co of Oklahoma	**3,566**	**160.1**	**28.16**	**.46**	**—**	**—**	**—**	**—**	**66,157**	**291.6**	**3.06**	**48**	**—**	**52**
Northeastern (OK)	3,566	160.1	28.16	.46	—	—	—	—	9,596	282.6	2.99	86	—	14
Southwestern (OK)	—	—	—	—	—	—	—	—	10,266	293.0	3.12	—	—	100
Riverside (OK)	—	—	—	—	—	—	—	—	34,561	290.9	3.00	—	—	100
Comanche (CS) (OK)	—	—	—	—	—	—	—	—	11,734	299.7	3.22	—	—	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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Public Service Electric&Gas Co	**1,246**	**180.3**	**49.45**	**0.81**	**1,596**	**307.8**	**19.13**	**0.30**	**39,903**	**188.2**	**1.94**	**40**	**12**	**48**
Bergen (NJ)	—	—	—	—	23	240.3	15.05	.28	15,130	192.6	1.98	—	1	99
Burlington (NJ)	—	—	—	—	107	259.1	16.52	.46	—	—	—	—	100	—
Hudson (NJ)	511	184.0	48.01	.80	58	306.8	19.06	.29	16,195	186.7	1.93	44	1	55
Kearny (NJ)	—	—	—	—	194	291.1	18.09	.28	—	—	—	—	100	—
Linden (NJ)	—	—	—	—	1,185	316.0	19.60	.29	—	—	—	—	100	—
Mercer (NJ)	735	177.9	50.46	.82	—	—	—	—	1,681	184.8	1.91	92	—	8
Sewaren (NJ)	—	—	—	—	29	324.4	19.96	.28	6,896	182.7	1.88	—	2	98
Puget Sound Power & Light Co	—	—	—	—	*	**619.0**	**39.00**	**2.00**	—	—	—	—	**100**	—
Shuffleton (WA)	—	—	—	—	*	619.0	39.00	2.00	—	—	—	—	100	—
Richmond City of	**245**	**157.4**	**36.08**	**2.60**	—	—	—	—	—	—	—	**100**	—	—
Whitewater (IN)	245	157.4	36.08	2.60	—	—	—	—	—	—	—	100	—	—
Rochester City of	**70**	**158.0**	**36.78**	**1.68**	—	—	—	—	**1,134**	**163.7**	**1.66**	**59**	—	**41**
Silver Lake (MN)	70	158.0	36.78	1.68	—	—	—	—	1,134	163.7	1.66	59	—	41
Rochester Gas & Electric Corp	**656**	**157.9**	**41.78**	**2.20**	—	—	—	—	—	—	—	**100**	—	—
Rochester 3 (NY)	180	158.2	41.96	2.17	—	—	—	—	—	—	—	100	—	—
Rochester 7 (NY)	476	157.8	41.71	2.21	—	—	—	—	—	—	—	100	—	—
Ruston City of	—	—	—	—	—	—	—	—	**1,851**	**175.4**	**1.88**	—	—	**100**
Steam Plant (LA)	—	—	—	—	—	—	—	—	1,851	175.4	1.88	—	—	100
S Mississippi Elec Pwr Assn	**795**	**205.4**	**50.96**	**.98**	**9**	**413.6**	**24.13**	**.34**	**7,488**	**152.3**	**1.54**	**72**	*	**28**
Moselle (MS)	—	—	—	—	*	435.6	25.37	.33	7,488	152.3	1.54	—	*	100
R D Morrow (MS)	795	205.4	50.96	.98	9	413.4	24.12	.34	—	—	—	100	*	—
Salt River Proj Ag I & P Dist	**9,876**	**121.9**	**26.19**	**.51**	**64**	**497.5**	**29.06**	**.17**	**4,823**	**213.3**	**2.18**	**98**	*	**2**
Agua Fria (AZ)	—	—	—	—	—	—	—	—	3,594	219.7	2.24	—	—	100
Kyrene (AZ)	—	—	—	—	—	—	—	—	59	198.5	2.04	—	—	100
Navajo (AZ)	7,869	102.2	22.53	.51	44	494.1	28.86	.19	—	—	—	100	*	—
Coronado (AZ)	2,006	209.6	40.54	.53	20	505.1	29.49	.13	—	—	—	100	*	—
Santan (AZ)	—	—	—	—	—	—	—	—	1,170	194.5	2.00	—	—	100
San Antonio City of	**3,931**	**126.6**	**21.27**	**.34**	—	—	—	—	**32,875**	**168.4**	**1.73**	**66**	—	**34**
Leon Creek (TX)	—	—	—	—	—	—	—	—	14	156.0	1.60	—	—	100
Mission Rd (TX)	—	—	—	—	—	—	—	—	5	164.9	1.69	—	—	100
Sommers (TX)	—	—	—	—	—	—	—	—	20,191	166.1	1.70	—	—	100
Braunig (TX)	—	—	—	—	—	—	—	—	12,178	172.0	1.77	—	—	100
Tuttle (TX)	—	—	—	—	—	—	—	—	483	172.8	1.85	—	—	100
J T Deely (TX)	3,931	126.6	21.27	.34	—	—	—	—	—	—	—	100	—	—
Spruce (Tx)	—	—	—	—	—	—	—	—	4	217.4	2.22	—	—	100
San Diego Gas & Electric Co	—	—	—	—	—	—	—	—	**37,562**	**267.8**	**2.76**	—	—	**100**
Encina (CA)	—	—	—	—	—	—	—	—	18,573	265.7	2.74	—	—	100
South Bay (CA)	—	—	—	—	—	—	—	—	18,989	269.8	2.77	—	—	100
San Miguel Electric Coop Inc	**3,076**	**92.0**	**9.97**	**1.84**	**9**	**432.9**	**25.12**	**.66**	—	—	—	**100**	*	—
San Miquel (TX)	3,076	92.0	9.97	1.84	9	432.9	25.12	.66	—	—	—	100	*	—
Savannah Electric & Power Co	**307**	**160.8**	**40.28**	**1.04**	**6**	**547.0**	**31.70**	**.39**	**532**	**283.8**	**2.91**	**93**	*	**7**
Port Wentworth (GA)	189	165.3	41.82	.87	—	—	—	—	461	287.6	2.95	91	—	9
Riverside (GA)	—	—	—	—	—	—	—	—	71	259.0	2.65	—	—	100
McIntosh (GA)	118	153.4	37.81	1.29	6	547.0	31.70	.39	—	—	—	99	1	—
Seminole Electric Coop Inc	**3,282**	**202.3**	**49.04**	**2.74**	**59**	**454.5**	**26.98**	**.27**	—	—	—	**100**	*	—
Seminole (FL)	3,282	202.3	49.04	2.74	59	454.5	26.98	.27	—	—	—	100	*	—
Sierra Pacific Power Co	**1,346**	**196.1**	**42.22**	**.41**	**405**	**389.4**	**24.18**	**.73**	**15,918**	**151.6**	**1.55**	**61**	**5**	**34**
Fort Churchill (NV)	—	—	—	—	192	360.3	22.37	.75	7,697	150.8	1.54	—	13	87
Tracy (NV)	—	—	—	—	201	410.5	25.57	.75	8,221	152.5	1.56	—	13	87
North Valmy (NV)	1,346	196.1	42.22	.41	12	509.2	29.62	.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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Sikeston City of	**745**	**139.1**	**32.40**	**2.51**	**2**	**500.0**	**29.61**	**0.26**	—	—	—	**100**	*	—
Sikeston (MO)	745	139.1	32.40	2.51	2	500.0	29.61	.26	—	—	—	100	*	—
South Carolina Electric&Gas Co	**4,221**	**161.4**	**41.56**	**1.16**	**96**	**476.5**	**27.62**	**.20**	**9,518**	**148.9**	**1.53**	**91**	*	**8**
Canadys (SC)	566	163.2	42.01	1.32	3	498.1	28.87	.20	3,111	149.5	1.53	82	*	18
Hagood (SC)	—	—	—	—	13	468.2	27.13	.20	214	293.1	3.00	—	26	74
Mcmeekin (SC)	571	158.0	40.92	1.37	*	536.1	31.07	.20	2,627	140.7	1.44	85	*	15
Parr (SC)	—	—	—	—	12	496.9	28.80	.20	9	266.7	2.73	—	89	11
Urguhart (SC)	376	162.8	41.94	1.29	1	482.8	27.98	.20	3,556	145.5	1.49	73	*	27
Wateree (SC)	1,223	156.6	40.34	1.17	53	471.6	27.33	.20	—	—	—	99	1	—
Williams (SC)	1,485	165.6	42.53	.97	13	479.4	27.79	.20	—	—	—	100	*	—
South Carolina Pub Serv Auth	**4,640**	**162.7**	**41.00**	**1.24**	—	—	—	—	—	—	—	**100**	—	—
Cross (SC)	1,436	163.4	40.66	1.18	—	—	—	—	—	—	—	100	—	—
Grainger (SC)	98	158.4	42.60	2.00	—	—	—	—	—	—	—	100	—	—
Jefferies (SC)	580	156.3	38.34	1.74	—	—	—	—	—	—	—	100	—	—
Winyah (SC)	2,526	163.8	41.75	1.13	—	—	—	—	—	—	—	100	—	—
Southern California Edison Co	**5,062**	**111.5**	**24.43**	**.49**	—	—	—	—	**142,919**	**[2] 279.9**	**2.91**	**43**	—	**57**
Alamitos (CA)	—	—	—	—	—	—	—	—	35,971	277.6	2.89	—	—	100
Cool Water (CA)	—	—	—	—	—	—	—	—	7,944	[2] 385.6	3.94	—	—	100
El Segundo (CA)	—	—	—	—	—	—	—	—	7,697	278.8	2.88	—	—	100
Etiwanda (CA)	—	—	—	—	—	—	—	—	12,781	276.2	2.84	—	—	100
Highgrove (CA)	—	—	—	—	—	—	—	—	24	281.3	2.88	—	—	100
Huntington Beach (CA)	—	—	—	—	—	—	—	—	8,608	265.9	2.77	—	—	100
Long Beach (CA)	—	—	—	—	—	—	—	—	2,975	275.0	2.85	—	—	100
Mandalay (CA)	—	—	—	—	—	—	—	—	8,009	269.5	2.89	—	—	100
Ormond Beach (CA)	—	—	—	—	—	—	—	—	19,724	266.5	2.76	—	—	100
Redondo (CA)	—	—	—	—	—	—	—	—	37,086	275.4	2.86	—	—	100
San Bernardino (CA)	—	—	—	—	—	—	—	—	99	277.8	2.85	—	—	100
Mohave (NV)	5,062	111.5	24.43	.49	—	—	—	—	2,000	260.7	2.66	98	—	2
Southern Illinois Power Coop	**595**	**86.1**	**17.76**	**2.76**	**11**	**492.0**	**28.04**	**.00**	—	—	—	**99**	**1**	—
Marion (IL)	595	86.1	17.76	2.76	11	492.0	28.04	.00	—	—	—	99	1	—
Southern Indiana Gas & Elec Co	**2,557**	**148.1**	**33.41**	**2.89**	**14**	**462.1**	**26.98**	**.39**	**59**	**314.7**	**3.22**	**100**	*	*
Culley (IN)	1,026	154.0	34.09	2.32	2	498.7	29.11	.39	17	322.8	3.30	100	*	*
A B Brown (IN)	1,095	154.7	35.79	3.44	12	456.7	26.66	.39	12	291.6	2.99	100	*	*
Warrick (IN)	437	117.0	25.85	2.86	—	—	—	—	30	318.9	3.27	100	—	*
Southwestern Electric Power Co	**9,380**	**176.1**	**27.70**	**.76**	**50**	**459.9**	**27.52**	**.20**	**18,357**	**244.7**	**2.29**	**89**	*	**10**
Arsenal Hill (LA)	—	—	—	—	—	—	—	—	412	166.9	1.77	—	—	100
Lieberman (LA)	—	—	—	—	12	456.3	28.79	.57	3,086	139.2	1.46	—	2	98
Knox Lee (TX)	—	—	—	—	—	—	—	—	3,351	136.3	1.48	—	—	100
Lone Star (TX)	—	—	—	—	—	—	—	—	1,867	503.9	4.25	—	—	100
Wilkes (TX)	—	—	—	—	—	—	—	—	9,585	288.6	2.48	—	—	100
Flint Creek (AR)	1,678	153.8	25.71	.32	8	426.1	25.05	.01	—	—	—	100	*	—
Welsh Station (TX)	4,892	203.3	34.03	.33	30	470.2	27.65	.10	—	—	—	100	*	—
Pirkey (TX)	2,810	133.4	17.86	1.76	—	—	—	—	56	270.1	2.93	100	—	*
Southwestern Public Service Co	**7,776**	**172.4**	**30.21**	**.34**	—	—	—	—	**48,965**	**156.7**	**1.58**	**73**	—	**27**
Maddox (NM)	—	—	—	—	—	—	—	—	6,226	167.8	1.73	—	—	100
Cunningham (NM)	—	—	—	—	—	—	—	—	13,398	157.4	1.59	—	—	100
Jones (TX)	—	—	—	—	—	—	—	—	14,718	156.4	1.58	—	—	100
Nichols (TX)	—	—	—	—	—	—	—	—	12,253	144.5	1.43	—	—	100
Plant X (TX)	—	—	—	—	—	—	—	—	2,222	181.3	1.83	—	—	100
Harrington (TX)	4,095	157.5	27.71	.34	—	—	—	—	62	262.0	2.60	100	—	*
Tolk (TX)	3,681	189.2	33.00	.35	—	—	—	—	86	251.6	2.52	100	—	*
Springfield City of	**668**	**135.9**	**31.50**	**2.34**	—	—	—	—	**8,685**	**137.6**	**1.40**	**64**	—	**36**
James River (MO)	169	135.3	31.26	2.30	—	—	—	—	7,673	137.5	1.40	33	—	67
Southwest (MO)	499	136.1	31.58	2.36	—	—	—	—	1,012	138.0	1.40	92	—	8
Springfield City of	**989**	**135.6**	**28.18**	**2.94**	—	—	—	—	—	—	—	**100**	—	—
Dallman (IL)	928	135.5	28.13	2.94	—	—	—	—	—	—	—	100	—	—
Lakeside (IL)	61	138.5	28.89	2.95	—	—	—	—	—	—	—	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 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
St Joseph Light & Power Co	**195**	**139.4**	**33.33**	**3.43**	**187**	**132.6**	**8.65**	**2.43**	**764**	**159.3**	**1.58**	**70**	**18**	**11**
Lakeroad (MO)	195	139.4	33.33	3.43	187	132.6	8.65	2.43	764	159.3	1.58	70	18	11
Sunflower Electric Power Corp	**1,297**	**103.3**	**17.50**	**.35**	**—**	**—**	**—**	**—**	**83**	**181.9**	**1.50**	**100**	**—**	*****
Holcomb (KS)	1,297	103.3	17.50	.35	—	—	—	—	83	181.9	1.50	100	—	*
Tacoma Public Utilities	**27**	**209.0**	**41.82**	**.46**	*****	**619.0**	**35.88**	**.50**	**27**	**383.0**	**4.02**	**99**	*****	**1**
Steam No.2 (WA)	27	209.0	41.82	.46	*	619.0	35.88	.50	27	383.0	4.02	99	*	1
Tallahassee City of	**—**	**—**	**—**	**—**	**37**	**240.4**	**15.27**	**1.80**	**15,889**	**209.6**	**2.18**	**—**	**1**	**99**
Hopkins (FL)	—	—	—	—	37	240.4	15.27	1.80	14,152	209.0	2.18	—	2	98
Purdom (FL)	—	—	—	—	—	—	—	—	1,737	214.5	2.23	—	—	100
Tampa Electric Co	**6,404**	**190.3**	**46.65**	**2.24**	**566**	**269.9**	**16.91**	**.87**	**—**	**—**	**—**	**98**	**2**	**—**
Big Bend (FL)	5,800	185.7	45.34	2.34	46	470.2	27.49	.34	—	—	—	100	*	—
Gannon (FL)	604	233.0	59.28	1.20	51	455.4	25.74	.27	—	—	—	98	2	—
Hookers Point (FL)	—	—	—	—	468	233.8	14.91	.98	—	—	—	—	100	—
Taunton City of	**—**	**—**	**—**	**—**	**60**	**246.6**	**15.59**	**2.08**	**1,583**	**229.1**	**2.36**	**—**	**19**	**81**
Cleary (MA)	—	—	—	—	60	246.6	15.59	2.08	1,583	229.1	2.36	—	19	81
Tennessee Valley Authority	**32,433**	**123.4**	**29.29**	**2.31**	**326**	**510.7**	**29.64**	**.50**	**—**	**—**	**—**	**100**	*****	**—**
Colbert (AL)	3,012	132.0	31.13	1.40	45	642.1	37.01	.50	—	—	—	100	*	—
Widows Creek (AL)	2,650	124.8	30.16	2.38	38	474.7	27.21	.50	—	—	—	100	*	—
Paradise (KY)	5,770	107.8	23.17	4.01	27	476.1	27.73	.50	—	—	—	100	*	—
Shawnee (KY)	2,271	130.4	31.58	1.34	33	472.1	27.28	.50	—	—	—	100	*	—
Allen (TN)	1,294	123.1	29.72	2.04	10	497.9	29.24	.50	—	—	—	100	*	—
Bull Run (TN)	1,929	123.2	31.45	1.11	41	458.7	26.65	.50	—	—	—	100	*	—
Cumberland (TN)	5,647	125.6	29.07	2.75	73	474.0	27.65	.50	—	—	—	100	*	—
Gallatin (TN)	2,413	122.9	29.77	2.84	14	590.9	34.66	.50	—	—	—	100	*	—
Sevier (TN)	1,731	127.7	32.91	1.67	7	471.5	27.49	.50	—	—	—	100	*	—
Johnsonville (TN)	2,336	129.7	30.81	1.74	21	639.7	37.43	.50	—	—	—	100	*	—
Kingston (TN)	3,381	124.0	31.59	1.20	17	457.4	26.48	.50	—	—	—	100	*	—
Terrebonne Parish Consol Govt	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**1,826**	**151.9**	**1.63**	**—**	**—**	**100**
Houma (LA)	—	—	—	—	—	—	—	—	1,826	151.9	1.63	—	—	100
Texas Municipal Power Agency	**3,587**	**135.5**	**12.65**	**1.33**	**—**	**—**	**—**	**—**	**227**	**150.4**	**1.50**	**99**	**—**	**1**
Gibbons Creek (TX)	3,587	135.5	12.65	1.33	—	—	—	—	227	150.4	1.50	99	—	1
Texas New Mexico Power Co	**1,417**	**138.8**	**18.81**	**.99**	**—**	**—**	**—**	**—**	**621**	**177.3**	**1.84**	**97**	**—**	**3**
TNP One (Tx)	1,417	138.8	18.81	.99	—	—	—	—	621	177.3	1.84	97	—	3
Texas Utilities Electric Co[4]	**32,454**	**103.4**	**13.26**	**.86**	**264**	**481.2**	**28.13**	**.46**	**333,262**	**247.4**	**2.55**	**55**	*****	**45**
Dallas (TX)	—	—	—	—	—	—	—	—	394	251.6	2.59	—	—	100
Lake Hubbard (TX)	—	—	—	—	31	525.9	30.98	.50	29,847	245.5	2.57	—	1	99
Mountain Creek (TX)	—	—	—	—	13	290.7	18.07	.00	18,933	246.6	2.52	—	*	100
North Lake (TX)	—	—	—	—	5	449.0	26.02	.50	15,477	242.3	2.47	—	*	100
Parkdale (TX)	—	—	—	—	—	—	—	—	2,550	241.9	2.45	—	—	100
Eagle Mountain (TX)	—	—	—	—	1	465.8	28.95	.50	7,472	239.3	2.45	—	*	100
Graham (TX)	—	—	—	—	3	290.7	18.07	.00	21,290	249.3	2.60	—	*	100
Handley (TX)	—	—	—	—	22	538.1	31.19	.50	23,601	250.0	2.58	—	1	99
Morgan Creek (TX)	—	—	—	—	—	—	—	—	25,119	247.9	2.55	—	—	100
North Main (TX)	—	—	—	—	—	—	—	—	38	240.0	2.51	—	—	100
Permian Basin (TX)	—	—	—	—	—	—	—	—	30,528	252.6	2.59	—	—	100
Big Brown (TX)	5,364	96.9	12.82	.75	—	—	—	—	1,301	259.6	2.71	98	—	2
Collin (TX)	—	—	—	—	4	290.7	18.07	.00	3,460	242.2	2.51	—	1	99
Lake Creek (TX)	—	—	—	—	35	534.1	30.95	.50	5,719	238.0	2.56	—	3	97
River Crest (TX)	—	—	—	—	—	—	—	—	31	258.2	2.78	—	—	100
Stryker (TX)	—	—	—	—	3	290.7	18.07	.00	25,024	241.9	2.51	—	*	100
Tradinghouse (TX)	—	—	—	—	—	—	—	—	53,566	245.5	2.53	—	—	100
Trinidad (TX)	—	—	—	—	—	—	—	—	4,479	247.9	2.60	—	—	100
Valley (TX)	—	—	—	—	—	—	—	—	26,108	251.3	2.62	—	—	100
Martin Lake (TX)	12,832	101.3	13.73	1.17	53	476.3	27.61	.50	—	—	—	100	*	—
Monticello (TX)	10,685	112.1	13.14	.46	81	477.0	27.64	.50	—	—	—	100	*	—

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

Table 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Texas Utilities Electric Co[4]														
Sandow No 4 (TX)	3,572	97.3	12.56	1.09	—	—	—	—	—	—	—	100	—	—
Decordova (TX)	—	—	—	—	13	555.7	32.21	0.50	38,325	251.5	2.57	—	*	100
Toledo Edison Co	**1,228**	**202.3**	**52.60**	**1.13**	**3**	**443.7**	**25.77**	**.30**	**4**	**411.9**	**4.22**	**100**	*	*
Acme (OH)	82	177.3	45.06	.62	—	—	—	—	4	411.9	4.22	100	—	*
Bay Shore (OH)	1,146	204.0	53.14	1.17	3	443.7	25.77	.30	—	—	—	100	*	—
Tucson Electric Power Co	**73**	**277.3**	**57.08**	**.45**	**—**	**—**	**—**	**—**	**2,021**	**228.1**	**2.35**	**42**	**—**	**58**
Irvington (AZ)	73	277.3	57.08	.45	—	—	—	—	2,021	228.1	2.35	42	—	58
Union Electric Co	**11,289**	**147.3**	**31.40**	**1.74**	**103**	**467.3**	**26.89**	**.29**	**1,284**	**[2] 174.6**	**1.77**	**99**	*	**1**
Venice No.2 (IL)	—	—	—	—	—	—	—	—	664	[2] 179.4	1.82	—	—	100
Labadie (MO)	5,576	134.9	28.93	2.05	78	461.4	26.55	.29	—	—	—	100	*	—
Meramec (MO)	834	205.2	47.85	1.28	—	—	—	—	620	169.4	1.71	97	—	3
Sioux (MO)	1,821	175.1	40.13	2.50	7	541.2	31.14	.25	—	—	—	100	*	—
Rush Island (MO)	3,058	134.0	26.20	.84	18	464.0	26.70	.29	—	—	—	100	*	—
United Illuminating Co	**871**	**216.6**	**57.35**	**.55**	**4,146**	**245.5**	**15.64**	**.97**	**3,030**	**197.8**	**2.05**	**44**	**50**	**6**
Bridgeport Harbor (CT)	871	216.6	57.35	.55	1,633	242.4	15.45	.96	—	—	—	69	31	—
English (CT)	—	—	—	—	53	251.4	16.05	.98	—	—	—	—	100	—
New Haven Hbr (CT)	—	—	—	—	2,460	247.3	15.76	.98	3,030	197.8	2.05	—	83	17
United Power Assn	**1,017**	**99.3**	**13.52**	**.86**	**3**	**516.8**	**29.57**	**.40**	**—**	**—**	**—**	**100**	*	**—**
Stanton (ND)	1,017	99.3	13.52	.86	3	516.8	29.57	.40	—	—	—	100	*	—
Vero Beach City of	**—**	**—**	**—**	**—**	**21**	**319.3**	**20.12**	**2.00**	**2,010**	**244.6**	**2.51**	**—**	**6**	**94**
Vero Beach (FL)	—	—	—	—	21	319.3	20.12	2.00	2,010	244.6	2.51	—	6	94
Vineland City of	**32**	**216.7**	**55.30**	**.69**	**85**	**285.0**	**17.86**	**.81**	**—**	**—**	**—**	**61**	**39**	**—**
H M Down (NJ)	32	216.7	55.30	.69	85	285.0	17.86	.81	—	—	—	61	39	—
Virginia Electric & Power Co	**10,092**	**143.9**	**36.20**	**1.37**	**2,143**	**222.2**	**13.69**	**1.36**	**8,096**	**[2] 182.2**	**1.90**	**92**	**5**	**3**
Bremo Bluff (VA)	420	148.9	38.04	.90	4	454.3	26.71	.20	—	—	—	100	*	—
Chesterfield (VA)	2,810	150.3	38.46	1.12	8	422.0	24.82	.20	7,546	[2] 178.5	1.86	90	*	10
Chesapeake Energy (VA)	1,270	150.4	39.39	1.08	16	497.7	29.26	.20	1	[2] 512.7	5.39	100	*	*
Possum Point (VA)	714	152.9	38.88	1.02	506	246.2	15.48	.69	—	—	—	85	15	—
Yorktown (VA)	431	155.5	40.46	1.38	8	405.0	23.81	.20	549	233.3	2.41	95	*	5
Mount Storm (WV)	4,447	134.4	32.85	1.71	29	547.2	32.18	.20	—	—	—	100	*	—
Storage Facility #1	—	—	—	—	1,572	203.4	12.47	1.62	—	—	—	—	100	—
West Penn Power Co	**5,536**	**142.1**	**36.33**	**2.22**	**22**	**495.3**	**29.33**	**.27**	**28**	**386.7**	**3.87**	**100**	*	*
Armstrong (PA)	922	121.4	30.10	1.87	6	472.3	27.97	.27	—	—	—	100	*	—
Hatfield (PA)	4,016	148.6	38.43	2.25	10	476.4	28.21	.27	—	—	—	100	*	—
Mitchell (PA)	598	128.2	31.81	2.62	2	590.2	34.95	.27	28	386.7	3.87	100	*	*
Springdale (PA)	—	—	—	—	5	524.3	31.05	.27	—	—	—	—	100	—
West Plains Energy	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**5,657**	**149.2**	**1.44**	**—**	**—**	**100**
Cimarron River (KS)	—	—	—	—	—	—	—	—	1,687	201.5	2.03	—	—	100
Large (KS)	—	—	—	—	—	—	—	—	3,863	124.9	1.18	—	—	100
Mullergren (KS)	—	—	—	—	—	—	—	—	106	146.7	1.44	—	—	100
West Texas Utilities Co	**2,837**	**160.7**	**26.68**	**.33**	**18**	**485.2**	**28.38**	**.40**	**40,828**	**183.8**	**1.87**	**53**	*	**47**
Oklaunion (TX)	2,837	160.7	26.68	.33	14	471.9	27.66	.39	—	—	—	100	*	—
Oak Creek (TX)	—	—	—	—	—	—	—	—	3,799	177.5	1.83	—	—	100
Paint Creek (TX)	—	—	—	—	—	—	—	—	2,829	198.2	2.03	—	—	100
Rio Pecos (TX)	—	—	—	—	4	531.0	30.86	.43	9,572	146.7	1.41	—	*	100
San Angelo (TX)	—	—	—	—	—	—	—	—	6,610	296.6	3.34	—	—	100
Fort Phantom (TX)	—	—	—	—	—	—	—	—	18,018	155.2	1.56	—	—	100
Western Farmers Elec Coop Inc	**1,067**	**204.6**	**35.32**	**.44**	**—**	**—**	**—**	**—**	**18,854**	**156.2**	**1.60**	**49**	**—**	**51**
Anadarko (OK)	—	—	—	—	—	—	—	—	14,519	158.5	1.62	—	—	100
Mooreland (OK)	—	—	—	—	—	—	—	—	4,335	148.5	1.52	—	—	100
Hugo (OK)	1,067	204.6	35.32	.44	—	—	—	—	—	—	—	100	—	—

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

Table 43. Receipts, Average Delivered Cost, and Quality of Fossil-Fuels by Company and Plant, 1991 (Continued)

Company Plant (State)	Coal				Petroleum[1]				Gas			% of Total Btu		
	Receipts (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Receipts (1,000 bbls)	(Cents per 10^6 Btu)	($ per bbl)	(% Avg. Sulfur)	Receipts (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Western Massachusetts Elec Co	—	—	—	—	114	269.1	17.18	0.91	1,266	217.7	2.22	—	36	64
West Springfield (MA)	—	—	—	—	114	269.1	17.18	.91	1,266	217.7	2.22	—	36	64
Wisconsin Electric Power Co	8,487	129.5	25.74	0.77	56	432.6	25.26	.30	613	258.4	2.62	99	*	*
Presque Isle (MI)	1,194	174.7	34.89	.58	16	486.4	28.44	.29	—	—	—	100	*	—
Oak Creek (WI)	1,758	151.5	38.87	1.68	—	—	—	—	295	234.4	2.37	99	—	1
Port Washington (WI)	125	159.7	42.04	1.84	—	—	—	—	—	—	—	100	—	—
Valley (WI)	500	170.1	44.81	1.81	—	—	—	—	74	269.7	2.72	99	—	1
Pleasant Prairie (WI)	4,910	97.1	16.47	.36	—	—	—	—	244	283.8	2.89	100	—	*
Storage Facility #1	—	—	—	—	40	410.6	23.97	.30	—	—	—	—	100	—
Wisconsin Power & Light Co	6,968	138.8	25.43	.70	8	407.0	23.93	.00	205	227.4	2.28	100	*	*
Blackhawk (WI)	—	—	—	—	—	—	—	—	205	227.4	2.28	—	—	100
Edgewater (WI)	2,470	146.9	28.43	.95	2	216.8	12.75	.00	—	—	—	100	*	—
Nelson Dewey (WI)	527	131.6	26.85	.62	1	525.9	30.93	.00	—	—	—	100	*	—
Rock River (WI)	221	192.1	42.18	1.76	*	621.4	36.54	.00	—	—	—	100	*	—
Columbia (WI)	3,750	129.9	22.27	.48	4	479.2	28.18	.00	—	—	—	100	*	—
Wisconsin Public Service Corp	2,395	169.9	33.81	.92	9	604.8	35.05	.22	258	346.3	3.48	99	*	1
Pulliam (WI)	776	196.7	44.04	1.77	—	—	—	—	208	363.8	3.66	99	—	1
Weston (WI)	1,619	154.5	28.91	.51	9	604.8	35.05	.22	50	273.8	2.76	100	*	*
Wyandotte Municipal Serv Comm	114	187.5	50.29	.87	—	—	—	—	*	275.0	2.75	100	—	*
Wyandotte (MI)	114	187.5	50.29	.87	—	—	—	—	*	275.0	2.75	100	—	*
Total	769,923	144.7	30.02	1.30	169,625	[2] 254.8	16.09	1.05	2,630,818	[2] 215.3	2.20	81	5	14

[1] The 1991 petroleum coke receipts were 485,000 short tons and the cost was 81.0 cents per million Btu.

[2] Includes at least one delivery at a price of 1,000 cents per million Btu or greater. High price is frequently caused when fixed costs are averaged into a small quantity.

[3] Data for Florida Power and Light Company do not include 1991 receipts of 1.4 million barrels of bitumen at a cost of $7.27 per barrel (or 161.1 cents per million Btu).

[4] Data for Texas Utilities Electric Company include an estimate of 2.9 million short tons for the Aluminium Company of America (ALCOA) portion of the lignite delivered to Unit 4 of the Sandow Plant.

* = Number less than 0.5.

Holding Companies are: **AEP** is American Electric Power, **APS** is Allegheny Power System, **ACE** is Atlantic City Electric, **CSW** is Central & South West Corporation, **CES** is Commonwealth Energy System, **DMV** is Delmarva, **EU** is Eastern Utilities Associates Company, **GPS** is General Public Utilities, **MSU** is Middle South Utilities, **NEES** is New England Electric System, **NU** is Northeast Utilities, **SC** is Southern Company, **TU** is Texas Utilities.

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

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Rece-ipts	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		
Alabama Electric Coop Inc																		
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
1990	1,228	52.5	11,824	13.7	1.5	42.04	34.52	38.47	—	—	—	—	—	—	—	4	130,500	30.67
1991	1,233	65.7	12,038	12.2	1.4	36.75	33.36	35.59	—	—	—	—	—	—	—	5	130,500	27.42
Alabama Power Co																		
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
1990	15,542	92.0	12,161	12.2	1.3	51.89	28.95	50.05	—	—	—	—	—	—	—	81	137,562	31.35
1991	17,455	79.5	12,170	12.1	1.2	52.78	32.69	48.67	—	—	—	—	—	—	—	65	137,987	25.77
Alexandria City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	135,000	37.42
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
American Municipal Power Ohio																		
1991	828	23.1	11,376	14.8	4.8	21.83	22.00	21.96	—	—	—	—	—	—	—	—	—	—
Ames City of																		
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
1990	193	100.0	8,801	4.5	.2	22.26	—	22.26	—	—	—	—	—	—	—	4	141,600	30.41
1991	209	100.0	8,770	4.4	.2	23.05	—	23.05	—	—	—	—	—	—	—	6	141,600	26.73
Anchorage City of																		
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Appalachian Power Co																		
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
1990	11,760	66.2	12,434	11.3	.8	44.99	29.44	39.74	—	—	—	—	—	—	—	146	138,650	34.66
1991	9,446	86.8	12,479	11.0	.8	44.65	28.93	42.58	—	—	—	—	—	—	—	146	138,520	32.03
Arizona Electric Pwr Coop Inc																		
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	—	—	—	—	—	—	—	—	—	—
1990	1,074	97.1	11,741	16.3	.4	40.69	32.70	40.46	—	—	—	—	—	—	—	—	—	—
1991	969	77.8	11,832	16.1	.4	40.22	37.15	39.54	—	—	—	—	—	—	—	—	—	—
Arizona Public Service Co																		
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
1990	11,767	100.0	9,047	20.0	.7	22.02	—	22.02	12	—	149,054	.8	—	17.72	17.72	39	139,104	31.84
1991	11,141	100.0	9,108	19.9	.7	22.84	—	22.84	—	—	—	—	—	—	—	59	139,959	28.69
Arkansas Power & Light Co																		
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
1990	9,215	100.0	8,807	5.4	.3	28.66	—	28.66	15	100.0	149,666	.1	17.26	—	17.26	116	137,370	28.91
1991	10,765	100.0	8,793	5.2	.3	28.24	—	28.24	1	100.0	149,581	.3	17.08	—	17.08	109	137,454	33.12
Associated Electric Coop Inc																		
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	—	—	—	—	—	—	—	—	—	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Alabama Electric Coop Inc																
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	—
1990	—	—	—	—	—	—	29,040	23	—	100	*	—	47,372	47,242	130	—
1991	—	—	—	—	—	—	29,682	30	—	100	*	—	44,026	43,878	148	—
Alabama Power Co																
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
1990	2,581	1,030	2.22	—	2.22	—	378,005	469	2,659	99	*	1	786,111	777,833	2,545	5,733
1991	3,434	1,022	1.91	—	1.91	—	424,859	377	3,511	99	*	1	857,802	849,558	1,676	6,567
Alexandria City of																
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
1990	93	1,044	—	2.13	2.13	100.0	—	—	97	—	—	100	198	—	—	198
1991	538	1,030	—	1.71	1.71	100.0	—	—	554	—	—	100	919	—	—	919
American Municipal Power Ohio																
1991	126	1,040	—	5.44	5.44	100.0	18,848	—	131	99	—	1	18,882	18,195	—	687
Ames City of																
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	—
1990	—	—	—	—	—	—	3,399	22	—	99	1	—	4,412	4,299	113	—
1991	—	—	—	—	—	—	3,662	34	—	99	1	—	4,962	4,811	151	—
Anchorage City of																
1991	5,022	1,000	—	2.86	2.86	100.0	—	—	5,022	—	—	100	14,381	—	—	14,381
Appalachian Power Co																
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	—
1990	—	—	—	—	—	—	292,444	848	—	100	*	—	472,403	467,356	5,047	—
1991	—	—	—	—	—	—	235,767	849	—	100	*	—	406,896	402,220	4,676	—
Arizona Electric Pwr Coop Inc																
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
1990	1,899	1,031	2.28	—	2.28	—	25,223	—	1,958	93	—	7	47,783	43,458	—	4,324
1991	8,950	1,030	1.88	—	1.88	—	22,920	—	9,220	71	—	29	55,086	38,299	—	16,787
Arizona Public Service Co																
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
1990	4,674	1,030	2.63	2.59	2.61	57.6	212,924	303	4,812	98	*	2	272,759	259,128	1,454	12,177
1991	7,749	1,024	2.06	2.39	2.23	51.8	202,934	348	7,936	96	*	4	273,430	254,438	1,697	17,295
Arkansas Power & Light Co																
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
1990	31,951	1,018	1.63	.99	1.57	9.2	162,297	763	32,516	83	*	17	317,797	264,093	3,613	50,090
1991	27,672	1,020	1.47	1.22	1.44	12.5	189,319	637	28,227	87	*	13	347,387	303,976	3,634	39,777
Associated Electric Coop Inc																
1987	—	—	—	—	—	—	108,999	—	—	100	—	—	153,096	153,096	—	—
1988	—	—	—	—	—	—	107,277	—	—	100	—	—	144,371	144,371	—	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Rece-ipts	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		
Associated Electric Coop Inc																		
1989	5,061	99.3	10,667	10.1	3.6	29.07	20.88	29.02	—	—	—	—	—	—	—	—	—	—
1990	5,736	100.0	10,678	10.1	3.4	28.20	—	28.20	—	—	—	—	—	—	—	—	—	—
1991	5,073	100.0	10,727	10.3	3.5	30.19	—	30.19	—	—	—	—	—	—	—	—	—	—
Atlantic City Electric Co																		
1987	616	89.0	13,045	9.8	2.7	43.86	44.19	43.90	1,140	100.0	151,359	0.9	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	—	—	—
1990	569	85.9	13,106	9.7	2.6	47.41	51.36	47.97	407	82.1	151,587	.9	21.91	28.99	23.18	—	—	—
1991	606	92.6	12,944	9.6	2.3	44.47	43.85	44.43	258	100.0	150,766	.8	15.95	—	15.95	—	—	—
Austin City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Baltimore Gas & Electric Co																		
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	—	—	—
1990	3,532	78.7	12,926	8.7	1.0	39.91	43.32	40.64	3,902	98.6	149,527	1.0	20.07	21.04	20.09	—	—	—
1991	3,434	79.4	12,929	8.8	.9	41.17	38.26	40.57	2,519	98.4	150,055	1.0	15.30	15.11	15.30	37	138,095	24.34
Bangor Hydro-Electric Co																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	63	100.0	151,612	.6	24.98	—	24.98	—	—	—
1991	—	—	—	—	—	—	—	—	44	100.0	150,494	.6	20.07	—	20.07	—	—	—
Basin Electric Power Coop																		
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
1990	13,468	100.0	7,466	7.2	.5	9.74	—	9.74	—	—	—	—	—	—	—	70	137,883	32.49
1991	14,269	100.0	7,338	7.0	.5	9.72	—	9.72	—	—	—	—	—	—	—	77	137,972	26.54
Big Rivers Electric Corp																		
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
1990	5,110	94.9	11,177	12.6	3.5	27.73	24.25	27.55	—	—	—	—	—	—	—	16	138,000	40.22
1991	5,068	97.2	11,156	12.9	3.3	27.84	24.66	27.75	—	—	—	—	—	—	—	23	138,000	27.07
Boston Edison Co																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	7,224	29.0	149,982	.9	18.58	18.69	18.66	—	—	—
1991	—	—	—	—	—	—	—	—	6,861	27.5	151,006	.7	13.66	15.95	15.32	32	140,989	25.85
Braintree City of																		
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Brazos Electric Power Coop Inc																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Associated Electric Coop Inc																
1989	—	—	—	—	—	—	107,981	—	—	100	—	—	146,859	146,859	—	—
1990	—	—	—	—	—	—	122,499	—	—	100	—	—	161,743	161,743	—	—
1991	—	—	—	—	—	—	108,836	—	—	100	—	—	153,140	153,140	—	—
Atlantic City Electric Co																
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	—
1990	—	—	—	—	—	—	14,915	2,591	—	85	15	—	36,728	27,293	9,435	—
1991	—	—	—	—	—	—	15,689	1,634	—	91	9	—	31,040	26,924	4,116	—
Austin City of																
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
1990	15,082	1,011	—	2.01	2.01	100.0	—	—	15,255	—	—	100	30,359	—	—	30,359
1991	14,473	1,040	1.84	1.96	1.93	79.3	—	—	15,045	—	—	100	27,964	—	—	27,964
Baltimore Gas & Electric Co																
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
1990	6,639	1,039	2.70	—	2.70	—	91,306	24,505	6,898	74	20	6	239,827	143,531	78,377	17,920
1991	5,740	1,039	2.47	—	2.47	—	88,797	16,090	5,966	80	15	5	192,959	139,313	39,442	14,204
Bangor Hydro-Electric Co																
1987	—	—	—	—	—	—	—	554	—	—	100	—	1,643	—	1,643	—
1988	—	—	—	—	—	—	—	600	—	—	100	—	1,694	—	1,694	—
1989	—	—	—	—	—	—	—	677	—	—	100	—	2,339	—	2,339	—
1990	—	—	—	—	—	—	—	399	—	—	100	—	1,565	—	1,565	—
1991	—	—	—	—	—	—	—	281	—	—	100	—	893	—	893	—
Basin Electric Power Coop																
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	—
1990	—	—	—	—	—	—	201,111	405	—	100	*	—	133,487	131,217	2,271	—
1991	—	—	—	—	—	—	209,420	446	—	100	*	—	140,669	138,628	2,041	—
Big Rivers Electric Corp																
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
1990	43	1,000	2.90	3.15	3.08	69.4	114,233	93	43	100	*	*	141,585	140,803	648	133
1991	40	1,000	2.53	3.43	2.64	12.3	113,082	131	40	100	*	*	141,383	140,667	611	105
Boston Edison Co																
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
1990	42,775	1,056	2.49	5.20	2.49	.2	—	45,504	45,175	—	50	50	241,521	—	134,806	106,715
1991	26,122	1,050	2.22	5.14	2.23	.4	—	43,707	27,420	—	61	39	164,310	—	105,973	58,337
Braintree City of																
1991	1,698	1,031	2.42	—	2.42	—	—	—	1,752	—	—	100	4,111	—	—	4,111
Brazos Electric Power Coop Inc																
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
1990	15,442	1,017	1.67	1.95	1.77	35.9	—	—	15,705	—	—	100	27,334	—	—	27,334
1991	17,878	1,015	1.56	2.00	1.69	29.8	—	—	18,153	—	—	100	30,198	—	—	30,198

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Bryan City of																		
1987	—	—	—	—	—	—	—	—	1	—	144,870	0.1	—	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
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Burbank City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	17	—	146,745	*	—	19.81	19.81	—	—	—
1989	—	—	—	—	—	—	—	—	22	—	150,025	.2	—	22.68	22.68	—	—	—
1990	—	—	—	—	—	—	—	—	8	—	154,307	.2	—	23.29	23.29	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Burlington City of																		
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cajun Electric Power Coop Inc																		
1987	3,796	100.0	8,621	5.7	0.5	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
1990	4,682	100.0	8,604	5.4	.4	29.30	—	29.30	—	—	—	—	—	—	—	82	140,000	30.12
1991	5,212	100.0	8,590	5.2	.4	26.29	—	26.29	—	—	—	—	—	—	—	35	140,000	27.71
Cambridge Electric Light Co																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	197	100.0	150,089	.4	23.77	—	23.77	—	—	—
1991	—	—	—	—	—	—	—	—	158	100.0	151,022	.5	17.88	—	17.88	—	—	—
Canal Electric Co																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	8,841	100.0	150,035	2.1	16.68	—	16.68	—	—	—
1991	—	—	—	—	—	—	—	—	10,286	100.0	150,347	2.1	11.41	—	11.41	—	—	—
Cardinal Operating Co																		
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
1990	3,989	95.9	11,846	13.0	2.2	36.34	25.27	35.88	—	—	—	—	—	—	—	60	138,275	31.30
1991	3,795	94.6	11,863	13.3	2.2	36.97	25.42	36.35	—	—	—	—	—	—	—	49	138,322	28.25
Carolina Power & Light Co																		
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
1990	9,868	92.1	12,553	10.1	.9	45.56	40.54	45.16	—	—	—	—	—	—	—	148	138,000	29.49
1991	8,517	100.0	12,481	10.2	.9	45.38	32.56	45.38	—	—	—	—	—	—	—	123	138,000	27.96
Cedar Falls City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	22	—	11,214	11.2	3.0	—	31.19	31.19	—	—	—	—	—	—	—	—	—	—
1991	45	—	11,406	9.2	2.8	—	30.96	30.96	—	—	—	—	—	—	—	—	—	—
Central Electric Pwr Coop-MO																		
1987	91	—	11,159	9.7	2.9	—	25.65	25.65	—	—	—	—	—	—	—	—	—	—
1988	131	—	11,125	9.2	2.8	—	25.96	25.96	—	—	—	—	—	—	—	—	—	—
1989	117	—	10,885	11.2	3.3	—	26.83	26.83	—	—	—	—	—	—	—	—	—	—
1990	116	—	10,818	10.0	3.0	—	27.74	27.74	—	—	—	—	—	—	—	—	—	—
1991	84	—	11,036	9.7	3.1	—	28.47	28.47	—	—	—	—	—	—	—	—	—	—

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Bryan City of																
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
1990	5,176	1,048	—	1.80	1.80	100.0	—	—	5,423	—	—	100	9,293	—	—	9,293
1991	5,300	1,055	2.06	1.59	1.60	96.6	—	—	5,591	—	—	100	8,502	—	—	8,502
Burbank City of																
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
1990	2,422	1,028	3.24	—	3.24	—	—	52	2,489	—	2	98	8,032	—	186	7,846
1991	2,397	1,028	2.79	—	2.79	—	—	—	2,465	—	—	100	6,691	—	—	6,691
Burlington City of																
1991	1,093	988	1.72	—	1.72	—	—	—	1,080	—	—	100	1,879	—	—	1,879
Cajun Electric Power Coop Inc																
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
1990	4,253	1,048	1.70	1.81	1.77	59.4	80,562	483	4,457	94	1	5	147,148	137,167	2,474	7,507
1991	5,325	1,039	1.45	1.65	1.56	57.2	89,537	206	5,534	94	*	6	146,305	137,011	971	8,323
Cambridge Electric Light Co																
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
1990	1,021	1,000	3.23	—	3.23	—	—	1,242	1,021	—	55	45	7,980	—	4,684	3,297
1991	899	1,000	2.33	—	2.33	—	—	1,002	899	—	53	47	4,920	—	2,824	2,096
Canal Electric Co																
1987	—	—	—	—	—	—	—	55,469	—	—	100	—	152,482	—	152,482	—
1988	—	—	—	—	—	—	—	59,556	—	—	100	—	121,740	—	121,740	—
1989	—	—	—	—	—	—	—	64,655	—	—	100	—	157,141	—	157,141	—
1990	—	—	—	—	—	—	—	55,711	—	—	100	—	147,434	—	147,434	—
1991	—	—	—	—	—	—	—	64,952	—	—	100	—	117,352	—	117,352	—
Cardinal Operating Co																
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	—
1990	—	—	—	—	—	—	94,495	347	—	100	*	—	144,989	143,120	1,869	—
1991	—	—	—	—	—	—	90,048	287	—	100	*	—	139,343	137,947	1,396	—
Carolina Power & Light Co																
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	—
1990	—	—	—	—	—	—	247,736	856	—	100	*	—	449,986	445,630	4,356	—
1991	—	—	—	—	—	—	212,612	712	—	100	*	—	389,924	386,491	3,433	—
Cedar Falls City of																
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
1990	21	1,000	2.17	3.78	2.42	16.1	488	—	21	96	—	4	728	678	—	50
1991	153	1,000	1.53	2.52	1.60	7.7	1,027	—	153	87	—	13	1,639	1,394	—	246
Central Electric Pwr Coop-MO																
1987	—	—	—	—	—	—	2,031	—	—	100	—	—	2,334	2,334	—	—
1988	—	—	—	—	—	—	2,915	—	—	100	—	—	3,401	3,401	—	—
1989	—	—	—	—	—	—	2,547	—	—	100	—	—	3,139	3,139	—	—
1990	—	—	—	—	—	—	2,510	—	—	100	—	—	3,218	3,218	—	—
1991	—	—	—	—	—	—	1,854	—	—	100	—	—	2,391	2,391	—	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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																		
1987	467	100.0	13,266	7.7	0.6	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
1990	935	83.1	13,074	8.1	.6	54.21	51.79	53.80	10,413	89.3	151,584	1.3	19.41	24.26	19.93	23	139,500	33.75
1991	874	85.3	13,032	8.0	.6	54.10	49.07	53.36	9,989	73.4	151,962	1.3	16.19	16.56	16.29	20	139,500	27.44
Central Illinois Light Co																		
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
1990	2,130	74.7	11,979	7.0	2.0	43.44	41.46	42.94	—	—	—	—	—	—	—	16	138,315	32.75
1991	2,275	77.7	12,029	7.0	2.0	42.04	40.39	41.67	—	—	—	—	—	—	—	14	138,285	28.84
Central Illinois Pub Serv Co																		
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
1990	4,716	93.0	11,129	9.2	2.6	35.62	36.51	35.68	39	100.0	150,537	.7	17.92	—	17.92	64	137,609	32.13
1991	4,555	88.9	11,080	9.2	2.6	34.49	33.42	34.37	—	—	—	—	—	—	—	69	138,211	28.40
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	—	—	—	—	—	—	—	—	—	—
1990	142	84.7	10,933	10.2	3.0	25.61	26.50	25.74	—	—	—	—	—	—	—	—	—	—
1991	112	68.1	10,948	9.5	3.0	26.15	23.92	25.44	—	—	—	—	—	—	—	7	136,000	23.33
Central Louisiana Elec Co Inc																		
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	—	—	—	—	—	—	—	—	—	—
1990	4,852	100.0	7,540	10.2	.5	23.72	—	23.72	—	—	—	—	—	—	—	—	—	—
1991	4,953	100.0	7,607	10.0	.6	24.42	—	24.42	—	—	—	—	—	—	—	—	—	—
Central Maine Power Co																		
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
1990	—	—	—	—	—	—	—	—	3,718	100.0	149,992	.9	17.38	—	17.38	10	139,695	31.68
1991	—	—	—	—	—	—	—	—	2,177	100.0	150,784	1.4	12.97	—	12.97	13	139,797	26.96
Central Nebraska Pub P&I Dist																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Central Operating Co																		
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
1990	2,152	56.0	12,308	11.7	1.1	39.77	27.17	34.23	—	—	—	—	—	—	—	37	137,260	32.21
1991	1,380	95.3	12,311	11.7	1.2	38.43	24.93	37.79	—	—	—	—	—	—	—	30	136,243	28.88
Central Power & Light Co																		
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
1990	1,829	66.2	10,588	6.3	.4	47.26	36.52	43.63	—	—	—	—	—	—	—	81	138,496	24.71
1991	1,734	69.5	10,753	6.0	.4	47.93	37.13	44.64	—	—	—	—	—	—	—	7	138,490	23.79

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Central Hudson Gas & Elec Corp																
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
1990	6,193	1,034	2.90	5.20	2.96	2.6	24,436	66,430	6,401	25	68	7	276,941	50,277	208,308	18,356
1991	4,096	1,026	2.42	5.27	2.53	3.8	22,781	63,867	4,201	25	70	5	220,213	46,637	163,231	10,345
Central Illinois Light Co																
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	—
1990	—	—	—	—	—	—	51,031	93	—	100	*	—	91,980	91,454	526	—
1991	—	—	—	—	—	—	54,744	79	—	100	*	—	95,214	94,823	391	—
Central Illinois Pub Serv Co																
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	—
1990	—	—	—	—	—	—	104,974	616	—	99	1	—	171,031	168,274	2,756	—
1991	—	—	—	—	—	—	100,942	403	—	100	*	—	158,535	156,561	1,974	—
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
1990	8	1,028	3.50	3.97	3.67	35.7	3,101	—	8	100	—	*	3,681	3,651	—	30
1991	8	1,020	2.85	3.48	3.02	26.4	2,457	40	8	98	2	*	3,041	2,854	163	23
Central Louisiana Elec Co Inc																
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
1990	26,944	1,045	2.34	—	2.34	—	73,164	—	28,149	72	—	28	178,256	115,073	—	63,183
1991	29,691	1,047	1.98	—	1.98	—	75,358	—	31,098	71	—	29	179,639	120,965	—	58,674
Central Maine Power Co																
1987	—	—	—	—	—	—	—	25,144	—	—	100	—	73,827	—	73,827	—
1988	—	—	—	—	—	—	—	31,467	—	—	100	—	73,768	—	73,768	—
1989	—	—	—	—	—	—	—	30,351	—	—	100	—	83,987	—	83,987	—
1990	—	—	—	—	—	—	—	23,480	—	—	100	—	64,942	—	64,942	—
1991	—	—	—	—	—	—	—	13,865	—	—	100	—	28,600	—	28,600	—
Central Nebraska Pub P&I Dist																
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
1990	2,039	936	1.78	—	1.78	—	—	—	1,908	—	—	100	3,633	—	—	3,633
1991	2,042	929	1.75	—	1.75	—	—	—	1,896	—	—	100	3,576	—	—	3,576
Central Operating Co																
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	—
1990	—	—	—	—	—	—	52,966	215	—	100	*	—	74,856	73,654	1,201	—
1991	—	—	—	—	—	—	33,976	174	—	99	1	—	53,024	52,146	878	—
Central Power & Light Co																
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
1990	83,418	1,052	1.61	2.80	2.32	59.8	38,727	470	87,752	31	*	69	275,543	79,787	1,997	193,759
1991	91,696	1,042	1.49	2.60	2.11	55.8	37,283	38	95,588	28	*	72	270,857	77,384	157	193,317

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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																		
1987	909	100.0	9,617	13.9	0.8	34.52	—	34.52	—	—	—	—	—	—	—	7	138,816	24.78
1988	1,249	100.0	9,565	13.9	.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
1990	1,785	100.0	9,268	16.5	.6	36.48	—	36.48	—	—	—	—	—	—	—	49	141,023	31.49
1991	2,640	100.0	9,154	17.4	.6	33.53	—	33.53	—	—	—	—	—	—	—	9	141,795	34.28
Chugach Electric Assn Inc																		
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cincinnati Gas & Electric Co																		
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
1990	8,005	54.4	11,684	12.0	1.9	39.04	26.84	33.48	—	—	—	—	—	—	—	72	137,691	30.09
1991	9,123	83.2	11,943	10.9	2.4	34.99	25.20	33.35	—	—	—	—	—	—	—	99	136,128	26.93
Cleveland Electric Illum Co																		
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
1990	5,381	47.4	12,580	9.3	2.6	41.05	36.73	38.77	192	—	153,379	1.1	—	20.07	20.07	39	138,983	30.52
1991	4,605	55.3	12,731	9.0	2.8	42.65	35.74	39.56	154	—	152,196	1.3	—	16.47	16.47	56	138,389	29.84
Coffeyville City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Colorado Springs City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	1,369	50.9	10,700	6.6	.4	37.16	23.48	30.45	—	—	—	—	—	—	—	—	—	—
1991	1,411	71.6	10,838	6.6	.4	34.85	22.29	31.27	—	—	—	—	—	—	—	—	—	—
Colorado Ute Electric Assn Inc																		
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
1990	5,613	81.6	10,322	7.8	.4	19.78	16.74	19.22	—	—	—	—	—	—	—	7	136,931	32.25
1991	5,685	71.8	10,361	7.4	.4	20.60	18.61	20.04	—	—	—	—	—	—	—	5	136,832	28.29
Columbia City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	36	36.9	12,800	7.9	1.8	33.41	60.12	50.27	—	—	—	—	—	—	—	—	—	—
1991	50	—	14,165	5.2	.6	—	60.57	60.57	—	—	—	—	—	—	—	—	—	—
Columbus Southern Power Co																		
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
1990	3,905	84.7	11,763	8.3	3.1	39.18	22.08	36.56	—	—	—	—	—	—	—	26	139,659	31.78
1991	3,284	76.2	11,914	8.4	3.2	40.38	26.25	37.03	—	—	—	—	—	—	—	24	139,999	27.76
Columbus City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	45	—	12,329	8.6	.7	—	41.58	41.58	—	—	—	—	—	—	—	—	—	—
1991	22	—	12,438	8.9	.9	—	41.74	41.74	—	—	—	—	—	—	—	—	—	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Century Power Corp																
1987	—	—	—	—	—	—	17,478	42	—	100	*	—	31,545	31,365	179	—
1988	—	—	—	—	—	—	23,904	59	—	100	*	—	44,666	44,420	246	—
1989	—	—	—	—	—	—	25,893	100	—	100	*	—	48,772	48,296	476	—
1990	—	—	—	—	—	—	33,085	290	—	99	1	—	66,664	65,120	1,543	—
1991	—	—	—	—	—	—	48,326	57	—	100	*	—	88,826	88,500	326	—
Chugach Electric Assn Inc																
1991	13,700	1,001	—	0.53	0.53	100.0	—	—	13,719	—	—	100	7,276	—	—	7,276
Cincinnati Gas & Electric Co																
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	—
1990	—	—	—	—	—	—	187,066	419	—	100	*	—	270,186	268,005	2,181	—
1991	—	—	—	—	—	—	217,908	565	—	100	*	—	306,883	304,219	2,664	—
Cleveland Electric Illum Co																
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	—
1990	—	—	—	—	—	—	135,387	1,462	—	99	1	—	213,679	208,643	5,036	—
1991	—	—	—	—	—	—	117,257	1,309	—	99	1	—	186,368	182,164	4,204	—
Coffeyville City of																
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
1990	462	1,000	2.35	—	2.35	—	—	—	462	—	—	100	1,086	—	—	1,086
1991	[3] 565	1,000	2.13	—	2.13	—	—	—	565	—	—	100	1,204	—	—	1,204
Colorado Springs City of																
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
1990	58	980	4.42	4.19	4.20	95.5	29,289	—	57	100	—	*	41,920	41,676	—	244
1991	167	990	—	3.14	3.14	100.0	30,592	—	166	99	—	1	44,666	44,141	—	526
Colorado Ute Electric Assn Inc																
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
1990	233	1,043	2.66	—	2.66	—	115,878	41	243	100	*	*	108,740	107,892	229	620
1991	240	1,040	2.58	—	2.58	—	117,798	28	249	100	*	*	114,670	113,914	136	620
Columbia City of																
1987	—	—	—	—	—	—	1,342	—	—	100	—	—	2,170	2,170	—	—
1988	—	—	—	—	—	—	1,262	—	—	100	—	—	1,946	1,946	—	—
1989	—	—	—	—	—	—	909	—	—	100	—	—	1,435	1,435	—	—
1990	—	—	—	—	—	—	924	—	—	100	—	—	1,815	1,815	—	—
1991	—	—	—	—	—	—	1,414	—	—	100	—	—	3,022	3,022	—	—
Columbus Southern Power Co																
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	—
1990	—	—	—	—	—	—	91,863	154	—	100	*	—	143,587	142,755	833	—
1991	—	—	—	—	—	—	78,263	141	—	100	*	—	122,276	121,613	664	—
Columbus City of																
1987	—	—	—	—	—	—	1,367	—	—	100	—	—	2,229	2,229	—	—
1988	—	—	—	—	—	—	1,442	—	—	100	—	—	2,214	2,214	—	—
1989	—	—	—	—	—	—	1,527	—	—	100	—	—	2,326	2,326	—	—
1990	—	—	—	—	—	—	1,118	—	—	100	—	—	1,886	1,886	—	—
1991	—	—	—	—	—	—	537	—	—	100	—	—	901	901	—	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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 IN Inc																		
1987	985	100.0	9,506	4.4	0.4	56.03	—	56.03	—	—	—	—	—	—	—	—	—	—
Commonwealth Edison Co																		
1987	10,379	100.0	9,674	7.1	1.0	55.83	—	55.83	3,468	100.0	150,947	0.7	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
1990	8,516	100.0	9,747	7.2	1.2	48.77	—	48.77	1,449	100.0	151,867	.7	24.11	—	24.11	282	138,507	29.34
1991	9,162	100.0	9,771	6.6	1.2	47.40	—	47.40	1,835	100.0	151,607	.7	17.35	—	17.35	287	138,845	27.09
Commonwealth Electric Co																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	72	100.0	150,195	.9	19.47	—	19.47	—	—	—
1991	—	—	—	—	—	—	—	—	58	100.0	150,755	.9	16.24	—	16.24	—	—	—
Connecticut Light & Power Co																		
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
1990	—	—	—	—	—	—	—	—	9,366	96.5	150,441	.8	19.25	17.79	19.20	30	138,753	33.51
1991	—	—	—	—	—	—	—	—	7,549	92.4	150,431	.9	15.66	15.38	15.64	29	138,915	29.68
Consolidated Edison Co-NY Inc																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	18,958	97.5	148,198	.3	25.96	17.67	25.75	—	—	—
1991	—	—	—	—	—	—	—	—	11,864	98.0	148,688	.3	19.12	20.70	19.15	—	—	—
Consumers Power Co																		
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	—	—	—
1990	6,710	52.3	12,097	10.0	.8	41.02	36.49	38.86	615	—	150,294	1.0	—	18.57	18.57	—	—	—
1991	6,774	72.9	12,106	9.5	.7	41.35	31.85	38.77	453	—	152,402	.9	—	15.76	15.76	47	138,000	25.09
Coop Power Assn																		
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	—	—	—
1990	6,776	100.0	6,360	10.6	.8	8.69	—	8.69	9	—	147,000	2.5	—	12.91	12.91	—	—	—
1991	6,807	95.4	6,291	10.7	.7	9.31	5.25	9.12	7	—	147,000	2.5	—	16.08	16.08	—	—	—
Dairyland Power Coop																		
1987	2,014	98.7	9,728	5.6	.9	26.41	21.20	26.34	—	—	—	—	—	—	—	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
1990	2,035	61.4	9,219	6.3	.9	26.25	21.71	24.50	—	—	—	—	—	—	—	18	140,000	26.99
1991	2,195	43.3	9,532	6.1	1.0	24.46	25.26	24.91	—	—	—	—	—	—	—	26	140,000	26.85
Dayton Power & Light Co																		
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
1990	9,054	39.4	11,817	13.1	1.2	45.55	29.02	35.54	—	—	—	—	—	—	—	41	138,090	29.40
1991	7,093	53.6	11,779	13.5	1.2	45.08	23.96	35.28	—	—	—	—	—	—	—	112	138,731	27.26
Deepwater Operating Co																		
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	—	—	—
1990	193	95.9	12,938	9.4	.8	46.03	45.54	46.01	188	100.0	149,573	1.0	17.24	—	17.24	—	—	—
1991	142	95.1	12,757	10.4	.8	45.45	43.31	45.35	50	100.0	152,776	.9	16.16	—	16.16	—	—	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Commonwealth Edison Co IN Inc																
1987	211	1,024	—	3.68	3.68	100.0	18,726	—	216	99	—	1	55,965	55,189	—	776
Commonwealth Edison Co																
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
1990	5,379	1,024	2.75	4.23	3.04	19.7	165,998	10,880	5,506	91	6	3	474,812	415,273	43,199	16,340
1991	7,662	1,021	2.33	3.85	2.47	9.1	179,039	13,357	7,820	89	7	4	492,828	434,308	39,610	18,909
Commonwealth Electric Co																
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
1990	534	1,000	2.84	—	2.84	—	—	454	534	—	46	54	2,920	—	1,402	1,518
1991	505	1,000	2.24	—	2.24	—	—	367	505	—	42	58	2,072	—	942	1,130
Connecticut Light & Power Co																
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
1990	1,943	1,033	2.41	5.08	2.42	.1	—	59,351	2,008	—	97	3	185,532	—	180,834	4,698
1991	1,660	1,030	1.99	5.43	2.37	11.0	—	47,866	1,710	—	97	3	122,860	—	118,933	3,927
Consolidated Edison Co-NY Inc																
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
1990	103,150	1,033	2.35	2.24	2.30	46.5	—	118,000	106,518	—	53	47	725,424	—	488,236	237,188
1991	87,743	1,031	2.11	1.98	2.07	26.8	—	74,088	90,429	—	45	55	409,094	—	227,237	181,857
Consumers Power Co																
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	—
1990	—	—	—	—	—	—	162,337	3,880	—	98	2	—	272,165	260,755	11,411	—
1991	—	—	—	—	—	—	164,009	3,172	—	98	2	—	270,970	262,659	8,311	—
Coop Power Assn																
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	—
1990	—	—	—	—	—	—	86,191	55	—	100	*	—	59,001	58,885	116	—
1991	—	—	—	—	—	—	85,651	45	—	100	*	—	62,225	62,108	117	—
Dairyland Power Coop																
1987	—	—	—	—	—	—	39,175	52	—	100	*	—	53,240	53,028	212	—
1988	—	—	—	—	—	—	40,003	90	—	100	*	—	52,608	52,285	323	—
1989	—	—	—	—	—	—	42,583	123	—	100	*	—	56,358	55,848	511	—
1990	—	—	—	—	—	—	37,516	109	—	100	*	—	50,346	49,847	499	—
1991	—	—	—	—	—	—	41,853	153	—	100	*	—	55,391	54,692	699	—
Dayton Power & Light Co																
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
1990	255	1,020	3.76	—	3.76	—	213,984	240	260	100	*	*	323,956	321,779	1,217	960
1991	168	1,020	3.69	—	3.69	—	167,098	656	171	100	*	*	253,936	250,251	3,066	619
Deepwater Operating Co																
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
1990	1,637	1,039	2.42	—	2.42	—	4,994	1,181	1,701	63	15	22	16,075	8,881	3,241	3,954
1991	2,080	1,042	1.95	—	1.95	—	3,623	321	2,168	59	5	35	11,295	6,439	808	4,048

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Delmarva Power & Light Co																		
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
1990	2,192	74.3	13,035	8.7	1.0	47.96	45.44	47.31	1,861	53.3	151,575	1.2	18.67	17.35	18.06	99	137,990	26.01
1991	2,002	83.8	13,053	8.7	1.0	47.13	43.30	46.51	2,461	97.7	151,588	1.2	14.40	16.32	14.44	76	139,958	27.10
Denton City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	35	139,625	29.03
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7	139,700	32.35
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Deseret Generation & Tran Coop																		
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
1990	1,508	100.0	10,736	8.9	.5	47.95	—	47.95	—	—	—	—	—	—	—	—	—	—
1991	1,130	100.0	10,676	9.9	.5	48.68	—	48.68	—	—	—	—	—	—	—	—	—	—
Detroit City of																		
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
1990	—	—	—	—	—	—	—	—	393	5.9	144,951	.6	16.01	16.56	16.53	15	139,450	23.72
1991	—	—	—	—	—	—	—	—	352	—	144,078	.6	—	14.55	14.55	—	—	—
Detroit Edison Co																		
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
1990	19,616	85.5	10,714	5.6	.6	34.87	25.90	33.57	295	39.0	147,085	.8	20.62	17.48	18.71	277	137,828	26.90
1991	19,312	88.5	10,649	5.5	.7	34.30	24.72	33.19	—	—	—	—	—	—	—	142	137,920	26.09
Dover City of																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	490	100.0	151,637	2.1	18.08	—	18.08	—	—	—
1991	—	—	—	—	—	—	—	—	643	100.0	151,949	2.0	13.27	—	13.27	2	140,853	30.10
Duke Power Co																		
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
1990	10,257	73.4	12,535	9.6	1.0	46.59	36.89	44.01	—	—	—	—	—	—	—	116	138,519	30.82
1991	10,003	75.4	12,527	9.7	1.0	46.58	34.92	43.72	—	—	—	—	—	—	—	121	138,671	27.00
Duquesne Light Co																		
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
1990	2,238	74.1	12,355	11.9	1.7	37.88	28.26	35.39	—	—	—	—	—	—	—	21	136,861	31.26
1991	2,267	76.7	12,406	12.0	1.7	41.83	28.22	38.66	—	—	—	—	—	—	—	15	136,316	27.97
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
1990	2,854	37.8	12,155	11.2	1.2	28.15	29.50	28.99	—	—	—	—	—	—	—	6	138,600	31.82
1991	2,676	49.1	12,213	10.9	1.2	29.38	27.70	28.53	—	—	—	—	—	—	—	6	138,600	28.15

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Delmarva Power & Light Co																
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
1990	[3] 3,150	1,061	2.49	3.04	2.66	31.8	57,134	12,421	3,344	78	17	5	148,257	103,684	36,181	8,391
1991	[3] 4,693	1,054	2.34	2.60	2.47	50.2	52,276	16,111	4,944	71	22	7	142,314	93,132	37,590	11,593
Denton City of																
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
1990	1,201	1,050	1.94	—	1.94	—	—	40	1,261	—	3	97	2,547	—	222	2,325
1991	863	1,050	1.85	—	1.85	—	—	—	906	—	—	100	1,598	—	—	1,598
Deseret Generation & Tran Coop																
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	—
1990	1	1,000	5.04	—	5.04	—	32,381	—	1	100	—	*	72,308	72,303	—	5
1991	—	—	—	—	—	—	24,128	—	—	100	—	—	55,008	55,008	—	—
Detroit City of																
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	—
1990	1,912	1,016	2.77	—	2.77	—	—	2,479	1,943	—	56	44	12,140	—	6,848	5,293
1991	2,049	1,025	2.61	—	2.61	—	—	2,129	2,099	—	50	50	10,461	—	5,118	5,343
Detroit Edison Co																
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
1990	17,856	100	.16	—	.16	—	420,329	3,421	1,790	99	1	*	674,279	658,485	12,952	2,842
1991	18,299	304	.53	—	.53	—	411,320	821	5,564	98	*	1	654,448	641,004	3,700	9,745
Dover City of																
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
1990	1,063	1,033	2.78	3.49	2.88	13.1	—	3,121	1,098	—	74	26	11,916	—	8,861	3,056
1991	394	1,033	2.86	2.68	2.76	58.1	—	4,114	407	—	91	9	9,673	—	8,587	1,086
Duke Power Co																
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	—
1990	—	—	—	—	—	—	257,144	676	—	100	*	—	455,025	451,444	3,581	—
1991	—	—	—	—	—	—	250,619	705	—	100	*	—	440,575	437,304	3,270	—
Duquesne Light Co																
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
1990	155	1,040	2.97	—	2.97	—	55,299	121	161	99	*	*	80,326	79,210	656	460
1991	209	1,040	2.95	—	2.95	—	56,249	86	217	99	*	*	88,673	87,637	420	616
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	—
1990	—	—	—	—	—	—	69,390	34	—	100	*	—	82,922	82,738	185	—
1991	—	—	—	—	—	—	65,362	37	—	100	*	—	76,519	76,342	177	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
El Paso Electric Co																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Electric Energy Inc																		
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
1990	3,477	40.8	11,557	8.7	2.0	26.56	27.52	27.13	—	—	—	—	—	—	—	12	138,593	33.96
1991	3,310	47.7	11,335	8.4	1.9	27.31	23.98	25.57	—	—	—	—	—	—	—	14	138,931	28.72
Empire District Electric Co																		
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
1990	908	56.8	10,196	7.7	1.4	18.31	28.08	22.53	—	—	—	—	—	—	—	3	141,862	30.30
1991	1,071	88.8	9,366	5.5	.7	17.78	26.71	18.78	—	—	—	—	—	—	—	4	138,657	26.05
Fayetteville Public Works Comm																		
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Florida Power & Light Co[4]																		
1987	—	—	—	—	—	—	—	—	20,945	61.5	159,417	0.9	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
1990	—	—	—	—	—	—	—	—	29,722	49.3	151,140	1.1	20.07	18.97	19.51	60	139,178	25.19
1991	—	—	—	—	—	—	—	—	30,384	32.0	151,289	1.1	14.64	14.43	14.49	3	138,100	26.93
Florida Power Corp																		
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
1990	5,542	94.9	12,684	8.4	.8	44.88	46.16	44.94	9,633	100.0	151,226	1.5	18.75	—	18.75	190	140,363	29.98
1991	5,436	92.6	12,631	8.7	.8	45.84	41.14	45.49	9,963	100.0	151,477	1.5	13.53	—	13.53	149	140,615	27.38
Fort Pierre City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	138,441	24.59
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	141,552	19.01
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	1	100.0	147,913	.7	33.72	—	33.72	—	—	—
1991	—	—	—	—	—	—	—	—	1	100.0	146,914	.8	17.90	—	17.90	—	—	—
Fremont City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	191	34.5	8,624	5.3	.4	13.85	14.39	14.21	—	—	—	—	—	—	—	—	—	—
1991	196	98.4	8,656	4.8	.3	14.23	34.76	14.56	—	—	—	—	—	—	—	—	—	—
Gainesville Regional Utilities																		
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	—	—	—
1990	587	95.5	13,097	6.5	.7	47.03	50.18	47.17	53	—	151,324	1.3	—	25.62	25.62	—	—	—
1991	490	97.7	13,214	7.2	.6	46.49	47.51	46.52	19	—	151,172	1.3	—	21.40	21.40	3	138,128	25.35
Garland City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	[2] 7	—	142,686	.0	—	27.57	27.57	—	—	—
1990	—	—	—	—	—	—	—	—	[2] 0	—	142,000	.0	—	27.44	27.44	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
El Paso Electric Co																
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
1990	15,172	1,028	2.04	2.04	2.04	41.7	—	—	15,603	—	—	100	30,974	—	—	30,974
1991	22,281	1,024	1.81	1.85	1.84	66.9	—	—	22,805	—	—	100	41,008	—	—	41,008
Electric Energy Inc																
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	—
1990	—	—	—	—	—	—	80,377	68	—	100	*	—	94,726	94,332	394	—
1991	—	—	—	—	—	—	75,047	84	—	100	*	—	85,071	84,657	413	—
Empire District Electric Co																
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
1990	224	1,028	2.24	—	2.24	—	18,509	18	231	99	*	1	21,043	20,448	93	502
1991	342	1,000	1.65	—	1.65	—	20,065	26	342	98	*	2	20,802	20,121	115	566
Fayetteville Public Works Comm																
1991	2,932	1,032	2.76	—	2.76	—	—	—	3,027	—	—	100	8,099	—	—	8,099
Florida Power & Light Co[4]																
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
1990	107,997	1,000	2.37	3.14	2.65	36.9	—	189,024	107,997	—	64	36	867,783	—	581,505	286,278
1991	130,666	1,000	2.09	2.18	2.17	84.7	—	193,084	130,666	—	60	40	723,495	—	440,478	283,017
Florida Power Corp																
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
1990	3,644	1,025	2.19	—	2.19	—	140,588	62,303	3,734	68	30	2	443,350	249,074	186,286	7,990
1991	1,699	1,023	1.90	—	1.90	—	137,337	64,266	1,738	68	32	1	389,458	247,319	138,919	3,220
Fort Pierre City of																
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
1990	875	1,030	2.46	—	2.46	—	—	4	901	—	*	100	2,169	—	21	2,148
1991	3,490	1,034	2.28	2.67	2.57	72.5	—	8	3,607	—	*	100	8,979	—	22	8,957
Fremont City of																
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
1990	89	998	—	1.94	1.94	100.0	3,287	—	89	97	—	3	2,881	2,708	—	173
1991	60	998	—	1.91	1.91	100.0	3,386	—	60	98	—	2	2,962	2,848	—	114
Gainesville Regional Utilities																
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
1990	5,061	1,031	2.34	—	2.34	—	15,365	335	5,215	73	2	25	40,852	27,671	1,350	11,831
1991	5,693	1,093	2.21	—	2.21	—	12,944	136	6,223	67	1	32	35,866	22,785	476	12,606
Garland City of																
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
1990	8,431	1,035	1.80	—	1.80	—	—	2	8,726	—	*	100	15,211	—	8	15,203
1991	9,872	1,033	1.57	2.08	1.62	10.1	—	—	10,202	—	—	100	15,991	—	—	15,991

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Georgia Power Co																		
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	44.73	36.47	42.90	17	—	147,000	2.6	—	17.15	17.15	195	138,000	26.21
1990	27,098	70.9	11,870	9.8	1.6	45.56	34.95	42.47	9	100.0	147,000	2.6	13.66	—	13.66	249	138,000	31.48
1991	24,387	78.5	11,929	10.0	1.6	45.55	33.60	42.99	—	—	—	—	—	—	—	211	138,000	27.34
Glendale City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grand Haven City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	199	44.2	11,111	10.7	2.8	36.29	32.54	34.20	—	—	—	—	—	—	—	—	—	—
1991	179	46.7	11,136	10.3	2.6	35.92	35.18	35.52	—	—	—	—	—	—	—	—	—	—
Grand Island City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	283	15.4	8,397	5.9	.4	11.16	11.55	11.49	—	—	—	—	—	—	—	—	—	—
1991	358	9.4	8,362	5.9	.3	11.80	11.73	11.74	—	—	—	—	—	—	—	—	—	—
Grand River Dam Authority																		
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
1990	3,465	87.9	8,631	5.0	.5	17.62	16.62	17.50	—	—	—	—	—	—	—	*	137,767	23.25
1991	3,486	85.7	8,535	5.0	.5	16.82	15.03	16.57	—	—	—	—	—	—	—	—	—	—
Greenville City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	138,000	30.33
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gulf Power Co																		
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
1990	3,013	64.0	12,054	8.4	2.8	51.74	34.96	45.70	—	—	—	—	—	—	—	21	137,000	30.25
1991	2,980	66.4	12,018	8.4	2.7	53.08	31.14	45.72	—	—	—	—	—	—	—	13	137,000	27.38
Gulf States Utilities Co																		
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
1990	2,059	100.0	8,805	5.9	.5	33.91	—	33.91	122	—	148,748	.2	—	14.89	14.89	24	139,830	26.07
1991	2,047	100.0	8,779	5.7	.5	35.60	—	35.60	—	—	—	—	—	—	—	17	138,221	23.09
Hamilton City of																		
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
1990	96	100.0	12,351	10.1	.7	38.90	—	38.90	—	—	—	—	—	—	—	1	137,000	36.45
1991	55	100.0	12,414	9.3	.7	40.15	—	40.15	—	—	—	—	—	—	—	*	137,000	28.28

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Georgia Power Co																
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	*	*	1,056,043	1,049,919	5,402	723
1990	592	1,026	3.36	2.92	2.93	97.1	643,321	1,495	608	100	*	*	1,160,440	1,150,755	7,950	1,735
1991	258	1,026	2.68	—	2.68	—	581,831	1,222	265	100	*	*	1,054,753	1,048,299	5,764	690
Glendale City of																
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
1990	1,921	1,040	2.50	—	2.50	—	—	—	1,999	—	—	100	4,800	—	—	4,800
1991	2,200	1,028	2.42	—	2.42	—	—	—	2,262	—	—	100	5,319	—	—	5,319
Grand Haven City of																
1987	—	—	—	—	—	—	4,007	—	—	100	—	—	6,286	6,286	—	—
1988	—	—	—	—	—	—	3,486	—	—	100	—	—	5,579	5,579	—	—
1989	—	—	—	—	—	—	4,144	—	—	100	—	—	6,303	6,303	—	—
1990	—	—	—	—	—	—	4,416	—	—	100	—	—	6,795	6,795	—	—
1991	—	—	—	—	—	—	3,993	—	—	100	—	—	6,369	6,369	—	—
Grand Island City of																
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
1990	387	940	1.64	—	1.64	—	4,751	—	364	93	—	7	3,885	3,250	—	635
1991	183	941	1.54	—	1.54	—	5,988	—	172	97	—	3	4,483	4,202	—	281
Grand River Dam Authority																
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
1990	203	1,006	2.01	—	2.01	—	59,809	2	205	100	*	*	61,051	60,635	8	408
1991	370	1,007	1.93	—	1.93	—	59,505	—	372	99	—	1	58,470	57,756	—	713
Greenville City of																
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
1990	1,645	1,067	1.93	—	1.93	—	—	—	1,755	—	—	100	3,169	—	—	3,169
1991	255	1,594	3.05	—	3.05	—	—	—	407	—	—	100	779	—	—	779
Gulf Power Co																
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
1990	959	1,000	1.66	1.66	1.66	3.2	72,630	120	959	99	*	1	139,913	137,687	632	1,593
1991	488	1,000	1.55	—	1.55	—	71,622	74	488	99	*	1	137,333	136,221	353	759
Gulf States Utilities Co																
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
1990	176,065	1,041	1.76	1.97	1.93	82.4	36,257	898	183,209	16	*	83	412,380	69,825	2,424	340,131
1991	166,222	1,041	1.62	1.83	1.80	85.5	35,941	101	173,008	17	*	83	371,930	72,878	400	298,652
Hamilton City of																
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
1990	622	1,000	—	1.97	1.97	100.0	2,375	5	622	79	*	21	4,997	3,740	33	1,224
1991	2,602	1,004	—	1.90	1.90	100.0	1,365	2	2,611	34	*	66	7,172	2,207	10	4,955

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Hastings City of																		
1987	163	100.0	8,070	6.3	0.4	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	—	—	—	—	—	—	—	—	—	—
1990	187	100.0	8,682	4.9	.3	18.00	—	18.00	—	—	—	—	—	—	—	—	—	—
1991	283	100.0	8,611	4.8	.3	15.77	—	15.77	—	—	—	—	—	—	—	—	—	—
Hawaiian Electric Co Inc																		
1987	—	—	—	—	—	—	—	—	10,323	99.0	149,301	0.4	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
1990	—	—	—	—	—	—	—	—	10,559	100.0	148,883	.5	25.96	—	25.96	1	138,952	33.77
1991	—	—	—	—	—	—	—	—	8,996	100.0	148,684	.4	20.65	—	20.65	2	138,333	25.19
Holland City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	185	100.0	13,251	6.0	.8	45.82	—	45.82	—	—	—	—	—	—	—	—	—	—
1991	109	100.0	13,031	6.3	.9	45.68	—	45.68	—	—	—	—	—	—	—	—	—	—
Holyoke Water Power Co																		
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
1990	405	—	13,055	6.5	1.4	—	46.26	46.26	—	—	—	—	—	—	—	3	138,686	35.14
1991	400	12.1	13,137	6.6	1.5	45.55	46.19	46.11	—	—	—	—	—	—	—	2	139,096	28.37
Hoosier Energy R E C Inc																		
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
1990	2,751	95.8	11,038	11.6	3.7	27.26	22.19	27.05	—	—	—	—	—	—	—	18	137,467	29.68
1991	2,872	91.2	11,017	11.6	3.5	28.99	17.90	28.01	—	—	—	—	—	—	—	13	138,073	27.19
Houston Lighting & Power Co																		
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
1990	16,453	100.0	7,619	10.3	.6	30.56	—	30.56	[2] 138	98.3	145,075	.6	19.51	19.48	19.51	60	140,061	37.34
1991	17,101	100.0	7,493	10.9	.7	31.52	—	31.52	[2] 22	100.0	147,116	.9	22.68	—	22.68	14	138,569	30.27
Illinois Power Co																		
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
1990	6,304	92.6	11,148	9.8	2.5	33.11	36.70	33.38	193	—	150,000	.9	—	16.81	16.81	61	138,000	32.81
1991	6,651	87.6	10,998	10.0	2.4	32.84	29.82	32.47	51	—	150,000	.9	—	18.08	18.08	60	138,000	27.25
Imperial Irrigation District																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	223	—	149,500	1.2	—	18.11	18.11	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	133	—	149,500	1.2	—	16.45	16.45	—	—	—
1991	—	—	—	—	—	—	—	—	35	—	149,500	1.3	—	17.44	17.44	—	—	—
Independence City of																		
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
1990	30	100.0	12,153	11.8	3.2	38.42	—	38.42	—	—	—	—	—	—	—	2	137,380	34.88
1991	30	100.0	12,111	11.4	3.6	38.17	—	38.17	—	—	—	—	—	—	—	5	137,380	41.66

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Hastings City of																
1987	—	—	—	—	—	—	2,636	—	—	100	—	—	4,695	4,695	—	—
1988	—	—	—	—	—	—	3,451	—	—	100	—	—	3,114	3,114	—	—
1989	—	—	—	—	—	—	4,052	—	—	100	—	—	3,477	3,477	—	—
1990	—	—	—	—	—	—	3,254	—	—	100	—	—	3,373	3,373	—	—
1991	—	—	—	—	—	—	4,873	—	—	100	—	—	4,464	4,464	—	—
Hawaiian Electric Co Inc																
1987	—	—	—	—	—	—	—	65,031	—	—	100	—	224,100	—	224,100	—
1988	—	—	—	—	—	—	—	62,646	—	—	100	—	179,626	—	179,626	—
1989	—	—	—	—	—	—	—	64,367	—	—	100	—	211,804	—	211,804	—
1990	—	—	—	—	—	—	—	66,034	—	—	100	—	274,197	—	274,197	—
1991	—	—	—	—	—	—	—	56,189	—	—	100	—	185,785	—	185,785	—
Holland City of																
1987	—	—	—	—	—	—	3,875	—	—	100	—	—	6,177	6,177	—	—
1988	—	—	—	—	—	—	3,340	—	—	100	—	—	5,311	5,311	—	—
1989	—	—	—	—	—	—	4,321	—	—	100	—	—	7,303	7,303	—	—
1990	849	1,031	—	1.84	1.84	100.0	4,902	—	875	85	—	15	10,041	8,475	—	1,566
1991	372	1,040	—	1.84	1.84	100.0	2,841	—	387	88	—	12	5,663	4,979	—	685
Holyoke Water Power Co																
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	—
1990	—	—	—	—	—	—	10,584	17	—	100	*	—	18,853	18,752	102	—
1991	—	—	—	—	—	—	10,518	13	—	100	*	—	18,524	18,459	65	—
Hoosier Energy R E C Inc																
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	—
1990	—	—	—	—	—	—	60,742	103	—	100	*	—	74,959	74,428	531	—
1991	—	—	—	—	—	—	63,273	73	—	100	*	—	80,777	80,435	342	—
Houston Lighting & Power Co																
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
1990	235,168	1,036	1.76	1.77	1.77	89.7	250,706	1,190	243,554	51	*	49	924,260	502,754	4,911	416,595
1991	235,799	1,030	1.60	1.59	1.59	84.8	256,274	217	242,958	51	*	49	915,827	539,005	921	375,901
Illinois Power Co																
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
1990	1,568	1,013	2.11	2.50	2.16	10.9	140,548	1,571	1,589	98	1	1	219,036	210,407	5,248	3,381
1991	3,226	1,014	1.80	1.36	1.54	59.2	146,299	670	3,272	97	*	2	223,484	215,946	2,564	4,975
Imperial Irrigation District																
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
1990	4,547	1,026	3.06	—	3.06	—	—	838	4,667	—	15	85	16,123	—	2,195	13,929
1991	3,855	1,026	2.70	—	2.70	—	—	219	3,954	—	5	95	11,016	—	607	10,409
Independence City of																
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
1990	113	1,000	2.07	—	2.07	—	732	13	113	85	2	13	1,471	1,157	80	235
1991	16	1,000	2.17	—	2.17	—	727	28	16	94	4	2	1,380	1,145	200	35

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Indiana Michigan Power Co																		
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
1990	12,832	87.4	9,225	6.0	.7	25.11	21.40	24.64	—	—	—	—	—	—	—	188	137,208	29.06
1991	11,114	89.4	9,090	5.4	.6	22.98	18.72	22.53	—	—	—	—	—	—	—	158	137,014	29.75
Indiana-Kentucky Electric Corp																		
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
1990	4,402	75.3	11,372	11.0	3.4	24.08	22.26	23.63	—	—	—	—	—	—	—	5	137,643	35.55
1991	4,161	77.8	11,418	10.4	3.2	25.42	23.74	25.05	—	—	—	—	—	—	—	4	137,766	29.51
Indianapolis Power & Light Co																		
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	—	—	—	—	—	—	—	—	—	—
1990	5,973	93.6	11,218	7.9	2.3	24.53	19.13	24.18	—	—	—	—	—	—	—	—	—	—
1991	5,768	90.2	11,199	8.2	2.4	24.56	21.35	24.24	—	—	—	—	—	—	—	38	137,982	28.87
Interstate Power Co																		
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
1990	1,425	95.8	9,719	6.9	1.3	35.32	36.00	35.35	—	—	—	—	—	—	—	9	140,000	29.10
1991	1,269	94.1	10,051	6.9	1.4	37.64	34.28	37.44	11	—	150,629	1.2	—	13.68	13.68	4	140,000	26.09
Iowa Electric Light & Power Co																		
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
1990	691	9.6	10,441	8.0	1.7	33.17	29.52	29.87	—	—	—	—	—	—	—	31	138,500	34.25
1991	936	90.4	9,608	7.1	1.3	22.83	36.80	24.17	—	—	—	—	—	—	—	16	138,500	26.00
Iowa Power Inc.																		
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
1990	3,193	60.7	8,310	4.6	.3	18.22	13.09	16.20	—	—	—	—	—	—	—	24	136,000	26.97
1991	2,393	63.9	8,375	4.6	.3	16.97	11.90	15.14	—	—	—	—	—	—	—	13	136,000	22.71
Iowa Public Service Co																		
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
1990	4,923	43.7	8,690	5.9	.4	15.61	13.91	14.65	—	—	—	—	—	—	—	7	138,000	20.87
1991	5,414	53.2	8,760	5.9	.4	15.34	14.75	15.06	—	—	—	—	—	—	—	16	138,000	25.85
Iowa Southern Utilities Co																		
1987	2,651	94.9	8,741	6.3	.7	18.97	21.01	19.07	—	—	—	—	—	—	—	7	137,881	24.28
1988	2,682	87.2	8,796	6.1	.7	18.99	20.88	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
1990	2,568	77.8	8,727	6.2	.7	19.26	15.60	18.45	—	—	—	—	—	—	—	12	137,881	28.90
1991	2,830	71.8	8,622	6.2	.6	20.00	14.07	18.33	—	—	—	—	—	—	—	5	137,881	30.11
Iowa-Illinois Gas&Electric Co																		
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	—	—	—	—	—	—	—	—	—	—
1990	2,010	99.4	8,690	6.3	.6	19.62	18.23	19.61	—	—	—	—	—	—	—	—	—	—
1991	2,670	66.4	8,609	6.1	.6	20.22	14.44	18.28	—	—	—	—	—	—	—	—	—	—

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Indiana Michigan Power Co																
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	—
1990	—	—	—	—	—	—	236,745	1,081	—	100	*	—	321,691	316,239	5,452	—
1991	—	—	—	—	—	—	202,048	908	—	100	*	—	255,093	250,398	4,695	—
Indiana-Kentucky Electric Corp																
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	—
1990	—	—	—	—	—	—	100,123	27	—	100	*	—	104,189	104,026	163	—
1991	—	—	—	—	—	—	95,025	25	—	100	*	—	104,346	104,221	125	—
Indianapolis Power & Light Co																
1987	—	—	—	—	—	—	133,008	—	—	100	—	—	160,385	160,385	—	—
1988	—	—	—	—	—	—	118,089	—	—	100	—	—	128,735	128,735	—	—
1989	—	—	—	—	—	—	121,464	—	—	100	—	—	131,089	131,089	—	—
1990	—	—	—	—	—	—	134,015	—	—	100	—	—	144,454	144,454	—	—
1991	—	—	—	—	—	—	129,195	220	—	100	*	—	140,934	139,837	1,097	—
Interstate Power Co																
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
1990	839	1,001	1.85	—	1.85	—	27,701	51	840	97	*	3	52,174	50,370	250	1,553
1991	1,654	1,000	1.72	—	1.72	—	25,508	97	1,655	94	*	6	50,624	47,506	271	2,848
Iowa Electric Light & Power Co																
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
1990	1,119	1,000	3.14	—	3.14	—	14,430	178	1,119	92	1	7	25,207	20,640	1,047	3,519
1991	1,178	1,000	2.52	—	2.52	—	17,984	94	1,178	93	*	6	26,010	22,625	418	2,968
Iowa Power Inc.																
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
1990	70	999	2.78	—	2.78	—	53,069	135	70	100	*	*	52,573	51,741	636	195
1991	47	995	2.69	—	2.69	—	40,081	72	47	100	*	*	36,647	36,233	286	127
Iowa Public Service Co																
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
1990	462	1,000	2.56	—	2.56	—	85,573	41	462	99	*	1	73,458	72,130	147	1,182
1991	199	1,000	4.07	—	4.07	—	94,858	94	199	100	*	*	82,759	81,531	419	809
Iowa Southern Utilities Co																
1987	—	—	—	—	—	—	46,341	43	—	100	*	—	50,733	50,551	182	—
1988	—	—	—	—	—	—	47,191	42	—	100	*	—	51,741	51,578	163	—
1989	—	—	—	—	—	—	49,932	24	—	100	*	—	56,168	56,054	115	—
1990	—	—	—	—	—	—	44,827	67	—	100	*	—	47,710	47,375	335	—
1991	—	—	—	—	—	—	48,805	29	—	100	*	—	52,022	51,871	151	—
Iowa-Illinois Gas&Electric Co																
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
1990	469	1,028	3.10	3.80	3.47	52.9	34,934	—	482	99	—	1	41,049	39,420	—	1,630
1991	434	1,020	2.71	3.24	2.93	42.2	45,970	—	443	99	—	1	50,074	48,801	—	1,273

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Jacksonville Electric Auth																		
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	4,266	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
1990	3,455	64.5	12,336	9.1	.9	45.16	40.54	43.52	1,229	—	151,100	1.6	—	13.01	13.01	39	139,000	32.41
1991	3,983	59.5	12,346	8.6	1.1	44.51	35.85	41.00	2,001	—	151,162	1.8	—	12.63	12.63	46	139,036	27.17
Jamestown City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	122	—	12,624	10.4	1.8	—	36.53	36.53	—	—	—	—	—	—	—	—	—	—
1991	111	—	12,644	10.7	2.0	—	36.25	36.25	—	—	—	—	—	—	—	—	—	—
Jersey Central Power&Light Co																		
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
1990	—	—	—	—	—	—	—	—	672	100.0	149,769	.4	21.97	—	21.97	98	139,584	32.02
1991	—	—	—	—	—	—	—	—	130	44.1	151,628	.7	18.02	14.82	16.23	94	139,176	28.33
Kansas City City of																		
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
1990	1,274	81.1	9,296	6.9	.8	24.90	26.58	25.22	—	—	—	—	—	—	—	6	138,000	33.36
1991	1,351	86.1	9,148	6.5	.8	23.90	26.25	24.23	—	—	—	—	—	—	—	14	138,000	25.88
Kansas City Power & Light Co																		
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
1990	8,978	57.4	8,953	5.6	.7	16.61	19.42	17.81	—	—	—	—	—	—	—	70	138,175	27.17
1991	8,336	40.8	9,061	5.6	.7	16.05	18.85	17.71	—	—	—	—	—	—	—	77	138,307	25.64
Kansas Gas & Electric Co																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	45	—	148,497	1.5	—	17.05	17.05	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kansas Power & Light Co																		
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	—	—	—	—	—	—	—	—	—	—
1990	9,230	100.0	8,771	5.5	.4	23.34	—	23.34	—	—	—	—	—	—	—	—	—	—
1991	8,459	100.0	8,778	5.2	.3	22.97	—	22.97	—	—	—	—	—	—	—	12	139,371	23.49
Kentucky Power Co																		
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
1990	2,735	71.6	11,983	11.7	1.1	30.75	25.91	29.38	—	—	—	—	—	—	—	30	138,912	30.98
1991	1,791	96.8	12,051	10.9	1.0	31.55	27.12	31.41	—	—	—	—	—	—	—	34	139,094	27.59
Kentucky Utilities Co																		
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
1990	6,534	42.5	12,166	9.8	1.5	33.96	28.30	30.70	—	—	—	—	—	—	—	35	140,000	32.99
1991	5,821	66.9	12,015	10.2	1.5	29.10	25.72	27.98	—	—	—	—	—	—	—	50	140,000	32.83

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Jacksonville Electric Auth																
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
1990	7,099	1,047	2.50	2.21	2.26	82.9	85,242	8,029	7,429	85	8	7	183,654	150,363	17,251	16,040
1991	14,557	1,051	—	2.13	2.13	100.0	98,360	12,975	15,301	78	10	12	220,791	163,299	26,529	30,964
Jamestown City of																
1987	—	—	—	—	—	—	2,956	—	—	100	—	—	3,877	3,877	—	—
1988	—	—	—	—	—	—	3,504	—	—	100	—	—	4,534	4,534	—	—
1989	—	—	—	—	—	—	2,630	—	—	100	—	—	3,458	3,458	—	—
1990	—	—	—	—	—	—	3,092	—	—	100	—	—	4,473	4,473	—	—
1991	—	—	—	—	—	—	2,811	—	—	100	—	—	4,030	4,030	—	—
Jersey Central Power&Light Co																
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
1990	3,004	1,032	2.63	—	2.63	—	—	4,800	3,100	—	61	39	25,801	—	17,893	7,908
1991	9,761	1,030	2.35	—	2.35	—	—	1,380	10,053	—	12	88	27,735	—	4,784	22,951
Kansas City City of																
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
1990	765	1,015	2.28	—	2.28	—	23,694	37	776	97	*	3	34,077	32,135	201	1,741
1991	2,310	1,003	2.03	—	2.03	—	24,715	79	2,318	91	*	9	37,776	32,728	351	4,697
Kansas City Power & Light Co																
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
1990	111	1,031	3.39	—	3.39	—	160,771	408	115	100	*	*	162,165	159,877	1,910	377
1991	735	1,003	2.58	—	2.58	—	151,075	446	737	99	*	*	151,503	147,639	1,969	1,895
Kansas Gas & Electric Co																
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
1990	9,117	999	1.95	—	1.95	—	—	—	9,106	—	—	100	17,803	—	—	17,803
1991	16,528	957	1.66	—	1.66	—	—	—	15,818	—	—	100	27,471	—	—	27,471
Kansas Power & Light Co																
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
1990	6,595	983	1.47	—	1.47	—	161,906	—	6,486	96	—	4	225,090	215,390	—	9,700
1991	3,494	997	1.63	—	1.63	—	148,503	70	3,485	98	*	2	200,257	194,281	282	5,694
Kentucky Power Co																
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	—
1990	—	—	—	—	—	—	65,553	177	—	100	*	—	81,291	80,349	942	—
1991	—	—	—	—	—	—	43,177	200	—	100	*	—	57,213	56,266	946	—
Kentucky Utilities Co																
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	—
1990	—	—	—	—	—	—	158,989	208	—	100	*	—	201,774	200,609	1,166	—
1991	—	—	—	—	—	—	139,888	296	—	100	*	—	164,557	162,905	1,652	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Lafayette City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lake Worth City of																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	140,000	28.18
Lakeland City of																		
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
1990	902	100.0	12,242	10.5	1.1	51.02	—	51.02	184	—	150,070	2.2	—	15.53	15.53	26	138,761	28.94
1991	849	100.0	12,446	10.2	1.0	49.06	—	49.06	254	—	149,731	2.2	—	15.81	15.81	23	138,901	26.97
Lansing City of																		
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
1990	1,143	61.6	13,029	7.0	.9	47.86	46.41	47.30	—	—	—	—	—	—	—	9	138,580	25.73
1991	895	74.7	12,915	7.4	.8	48.74	42.53	47.17	—	—	—	—	—	—	—	12	138,000	26.52
Long Island Lighting Co																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	16,181	68.9	151,421	.8	21.43	20.69	21.20	—	—	—
1991	—	—	—	—	—	—	—	—	14,038	59.6	152,198	.9	17.00	16.02	16.60	—	—	—
Los Angeles City of																		
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	—	—	—
1990	4,822	78.2	11,702	8.3	.5	35.65	26.46	33.65	1,434	—	146,370	.2	—	36.41	36.41	—	—	—
1991	4,785	78.8	11,765	8.3	.5	36.64	27.83	34.77	—	—	—	—	—	—	—	9	138,000	26.08
Louisiana Power & Light Co																		
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
1990	—	—	—	—	—	—	—	—	48	100.0	148,468	1.0	16.30	—	16.30	89	142,195	30.14
1991	—	—	—	—	—	—	—	—	14	100.0	150,507	1.0	15.23	—	15.23	8	142,439	30.21
Louisville Gas & Electric Co																		
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
1990	5,404	84.4	11,492	9.9	3.0	26.16	23.51	25.74	—	—	—	—	—	—	—	52	140,000	35.08
1991	5,196	77.7	11,548	9.4	3.1	24.61	23.22	24.30	—	—	—	—	—	—	—	58	140,000	31.50
Lower Colorado River Authority																		
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
1990	5,677	79.3	8,610	5.5	.4	22.78	18.98	22.00	—	—	—	—	—	—	—	43	141,000	32.45
1991	5,576	100.0	8,545	5.6	.4	23.07	—	23.07	—	—	—	—	—	—	—	25	141,000	26.93

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Lafayette City of																
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
1990	3,430	1,048	1.66	1.88	1.85	90.5	—	—	3,595	—	—	100	6,361	—	—	6,361
1991	3,057	1,045	1.52	1.61	1.60	92.0	—	—	3,194	—	—	100	4,899	—	—	4,899
Lake Worth City of																
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
1990	657	1,031	2.61	—	2.61	—	—	—	677	—	—	100	1,715	—	—	1,715
1991	1,699	1,033	2.63	—	2.63	—	—	26	1,756	—	1	99	4,585	—	123	4,462
Lakeland City of																
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
1990	3,534	1,031	2.57	1.90	2.22	52.5	22,081	1,314	3,642	82	5	13	57,483	46,011	3,623	7,849
1991	5,130	1,033	1.81	1.87	1.83	25.6	21,134	1,732	5,301	75	6	19	55,671	41,652	4,636	9,383
Lansing City of																
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	—
1990	—	—	—	—	—	—	29,790	52	—	100	*	—	54,304	54,075	229	—
1991	—	—	—	—	—	—	23,107	68	—	100	*	—	42,508	42,195	313	—
Long Island Lighting Co																
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
1990	33,453	1,031	2.29	—	2.29	—	—	102,906	34,504	—	75	25	419,686	—	343,019	76,667
1991	30,534	1,030	2.02	—	2.02	—	—	89,736	31,459	—	74	26	294,638	—	233,089	61,549
Los Angeles City of																
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
1990	40,312	1,042	3.39	—	3.39	—	112,842	8,814	41,999	69	5	26	351,126	162,223	52,211	136,692
1991	40,048	1,036	3.15	—	3.15	—	112,588	54	41,481	73	*	27	292,826	166,386	244	126,196
Louisiana Power & Light Co																
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
1990	112,563	1,045	1.86	1.26	1.49	62.1	—	831	117,644	—	1	99	171,216	—	3,471	167,745
1991	107,570	1,040	1.60	1.16	1.43	39.4	—	139	111,918	—	*	100	153,887	—	461	153,426
Louisville Gas & Electric Co																
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
1990	192	1,025	3.03	—	3.03	—	124,205	306	197	100	*	*	141,529	139,123	1,824	582
1991	165	1,025	2.65	—	2.65	—	119,997	343	169	100	*	*	128,527	126,251	1,839	437
Lower Colorado River Authority																
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
1990	17,452	1,026	2.36	1.79	1.79	98.7	97,753	255	17,905	84	*	15	157,562	124,882	1,395	31,284
1991	19,562	1,029	1.36	1.59	1.55	85.3	95,293	148	20,129	82	*	17	159,738	128,647	673	30,418

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Rece-ipts	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		
Lubbock City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Madison Gas & Electric Co																		
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	—	—	—	—	—	—	—	—	—	—
1990	100	91.0	12,138	8.0	2.1	39.63	47.91	40.38	—	—	—	—	—	—	—	—	—	—
1991	91	86.6	12,195	8.4	2.0	39.99	47.47	40.99	—	—	—	—	—	—	—	—	—	—
Manitowoc City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	130	7.8	13,163	7.4	.9	48.58	48.89	48.86	—	—	—	—	—	—	—	—	—	—
1991	143	—	13,315	6.2	1.0	—	45.45	45.45	—	—	—	—	—	—	—	—	—	—
Marquette City of																		
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
1990	141	90.5	9,396	6.9	.6	34.10	31.68	33.87	—	—	—	—	—	—	—	1	138,000	36.31
1991	163	100.0	8,746	6.2	.5	32.42	—	32.42	—	—	—	—	—	—	—	1	138,000	28.14
Massachusetts Mun Wholes El Co																		
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medina Electric Coop Inc																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	*	144,000	34.84
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Metropolitan Edison Co																		
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
1990	1,395	84.8	13,241	7.2	1.8	43.69	46.40	44.11	—	—	—	—	—	—	—	35	138,149	29.92
1991	1,047	100.0	13,210	6.6	1.8	42.59	—	42.59	—	—	—	—	—	—	—	36	138,357	27.34
Michigan South Central Pwr Agy																		
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	—	—	—	—	—	—	—	—	—	—
1990	143	100.0	11,733	10.0	3.4	47.87	—	47.87	—	—	—	—	—	—	—	7	133,000	21.51
1991	127	100.0	11,923	7.1	3.1	48.43	—	48.43	—	—	—	—	—	—	—	2	138,500	33.56
Minnesota Power & Light Co																		
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
1990	4,037	78.9	8,721	9.7	.7	24.95	18.80	23.65	—	—	—	—	—	—	—	20	137,000	31.55
1991	3,621	96.6	8,832	8.4	.6	26.39	22.09	26.25	—	—	—	—	—	—	—	18	137,059	27.09
Minnkota Power Coop Inc																		
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
1990	4,100	100.0	6,850	7.9	1.0	6.44	—	6.44	—	—	—	—	—	—	—	7	140,000	31.12
1991	4,056	100.0	6,885	8.0	1.2	6.25	—	6.25	—	—	—	—	—	—	—	7	140,000	26.94

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Lubbock City of																
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
1990	6,882	1,040	2.30	2.31	2.30	5.6	—	—	7,159	—	—	100	15,856	—	—	15,856
1991	6,262	1,033	2.07	—	2.07	—	—	—	6,466	—	—	100	12,969	—	—	12,969
Madison Gas & Electric Co																
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
1990	424	1,001	3.16	—	3.16	—	2,426	—	424	85	—	15	5,378	4,038	—	1,340
1991	617	1,005	2.66	—	2.66	—	2,224	—	619	78	—	22	5,378	3,739	—	1,639
Manitowoc City of																
1987	—	—	—	—	—	—	2,994	—	—	100	—	—	4,893	4,893	—	—
1988	—	—	—	—	—	—	2,676	—	—	100	—	—	4,508	4,508	—	—
1989	—	—	—	—	—	—	3,000	—	—	100	—	—	5,339	5,339	—	—
1990	—	—	—	—	—	—	3,413	—	—	100	—	—	6,334	6,334	—	—
1991	—	—	—	—	—	—	3,809	—	—	100	—	—	6,500	6,500	—	—
Marquette City of																
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	—
1990	—	—	—	—	—	—	2,642	6	—	100	*	—	4,798	4,762	36	—
1991	—	—	—	—	—	—	2,880	7	—	100	*	—	5,335	5,301	34	—
Massachusetts Mun Wholes El Co																
1991	6,175	1,020	2.38	—	2.38	—	—	—	6,301	—	—	100	14,694	—	—	14,694
Medina Electric Coop Inc																
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
1990	21	1,105	—	2.60	2.60	100.0	—	—	23	—	—	100	55	—	—	55
1991	81	1,113	1.79	1.55	1.76	15.0	—	—	90	—	—	100	142	—	—	142
Metropolitan Edison Co																
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	—
1990	—	—	—	—	—	—	36,953	202	—	99	1	—	62,589	61,545	1,044	—
1991	—	—	—	—	—	—	27,670	211	—	99	1	—	45,599	44,606	993	—
Michigan South Central Pwr Agy																
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	—	—
1990	—	—	—	—	—	—	3,356	39	—	99	1	—	6,996	6,846	150	—
1991	—	—	—	—	—	—	3,018	10	—	100	*	—	6,186	6,130	56	—
Minnesota Power & Light Co																
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	—
1990	—	—	—	—	—	—	70,419	117	—	100	*	—	96,130	95,490	640	—
1991	—	—	—	—	—	—	63,858	106	—	100	*	—	95,537	95,035	501	—
Minnkota Power Coop Inc																
1987	—	—	—	—	—	—	48,729	53	—	100	*	—	26,756	26,527	229	—
1988	—	—	—	—	—	—	51,825	42	—	100	*	—	25,371	25,203	168	—
1989	—	—	—	—	—	—	50,825	52	—	100	*	—	24,931	24,708	223	—
1990	—	—	—	—	—	—	56,174	42	—	100	*	—	26,634	26,409	224	—
1991	—	—	—	—	—	—	55,880	40	—	100	*	—	25,526	25,344	182	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Mississippi Power & Light Co																		
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
1990	—	—	—	—	—	—	—	—	1,161	100.0	151,618	2.9	15.00	—	15.00	31	141,801	30.15
1991	—	—	—	—	—	—	—	—	602	1.8	152,416	2.9	13.30	12.42	12.44	28	139,497	29.44
Mississippi Power Co																		
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
1990	3,146	70.9	12,572	7.5	1.8	40.90	35.25	39.25	10	—	150,931	2.9	—	11.84	11.84	5	137,413	25.86
1991	2,932	86.5	12,596	7.8	1.7	40.48	32.98	39.46	—	—	—	—	—	—	—	18	136,922	26.39
Missouri Public Service Comm																		
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	—	—	—	—	—	—	—	—	—	—
1990	857	69.4	11,064	9.8	3.0	38.33	30.40	35.91	—	—	—	—	—	—	—	—	—	—
1991	957	53.2	10,987	9.5	2.8	35.66	29.06	32.57	—	—	—	—	—	—	—	—	—	—
Monongahela Power Co																		
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
1990	12,173	81.9	12,730	9.8	2.7	34.74	28.14	33.54	—	—	—	—	—	—	—	98	141,000	33.31
1991	10,762	82.6	12,855	9.4	2.6	36.29	26.76	34.64	—	—	—	—	—	—	—	97	141,000	30.38
Montana Power Co																		
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
1990	9,343	100.0	8,602	8.9	.6	11.42	—	11.42	—	—	—	—	—	—	—	40	141,000	32.17
1991	10,173	100.0	8,567	8.8	.7	11.38	—	11.38	—	—	—	—	—	—	—	22	141,000	27.94
Montana-Dakota Utilities Co																		
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
1990	2,332	100.0	6,913	8.3	1.0	11.24	—	11.24	—	—	—	—	—	—	—	14	136,552	29.49
1991	2,354	100.0	6,876	8.2	1.1	11.43	—	11.43	—	—	—	—	—	—	—	12	136,552	27.68
Montaup Electric Co																		
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
1990	411	100.0	13,096	7.2	1.1	47.53	—	47.53	56	—	150,965	.9	—	17.39	17.39	48	138,647	31.87
1991	284	100.0	12,910	7.9	1.1	47.07	—	47.07	134	—	151,274	.9	—	14.55	14.55	57	139,104	27.22
Morgan City City of																		
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Muscatine City of																		
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
1990	530	100.0	11,208	7.1	3.1	43.03	—	43.03	—	—	—	—	—	—	—	3	138,500	35.67
1991	541	100.0	11,021	7.6	3.0	47.47	—	47.47	—	—	—	—	—	—	—	3	138,500	23.64
Nebraska Public Power District																		
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
1990	3,831	99.8	8,804	5.2	.4	14.43	25.77	14.46	—	—	—	—	—	—	—	24	138,140	42.27
1991	4,132	99.8	8,778	5.0	.4	14.58	25.64	14.60	—	—	—	—	—	—	—	1	138,140	28.38

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Mississippi Power & Light Co																
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
1990	34,490	1,042	1.84	1.94	1.87	27.0	—	7,581	35,949	—	17	83	82,726	—	18,365	64,361
1991	36,835	1,029	1.63	1.68	1.64	23.3	—	4,020	37,889	—	10	90	68,733	—	8,320	60,413
Mississippi Power Co																
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
1990	11,676	1,032	1.75	3.65	1.76	.5	79,092	95	12,045	87	*	13	144,275	123,480	252	20,543
1991	3,856	1,018	1.47	3.64	1.48	.7	73,849	102	3,926	95	*	5	121,881	115,692	469	5,720
Missouri Public Service Comm																
1987	—	—	—	—	—	—	14,710	—	—	100	—	—	23,733	23,733	—	—
1988	—	—	—	—	—	—	18,346	—	—	100	—	—	28,983	28,983	—	—
1989	—	—	—	—	—	—	17,447	—	—	100	—	—	27,313	27,313	—	—
1990	—	—	—	—	—	—	18,967	—	—	100	—	—	30,779	30,779	—	—
1991	—	—	—	—	—	—	21,034	—	—	100	—	—	31,176	31,176	—	—
Monongahela Power Co																
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
1990	169	1,000	5.13	—	5.13	—	309,933	578	169	100	*	*	412,466	408,346	3,251	869
1991	196	1,000	3.63	—	3.63	—	276,695	576	196	100	*	*	376,434	372,769	2,953	713
Montana Power Co																
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
1990	276	1,221	—	1.67	1.67	100.0	160,744	237	337	100	*	*	108,399	106,651	1,287	462
1991	75	1,201	—	4.75	4.75	100.0	174,295	130	90	100	*	*	116,764	115,794	615	356
Montana-Dakota Utilities Co																
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
1990	11	1,127	4.21	—	4.21	—	32,244	80	12	100	*	*	26,672	26,217	410	45
1991	8	1,119	4.21	—	4.21	—	32,378	68	9	100	*	*	27,258	26,898	327	34
Montaup Electric Co																
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	—
1990	—	—	—	—	—	—	10,765	634	—	94	6	—	22,040	19,536	2,503	—
1991	—	—	—	—	—	—	7,325	1,187	—	86	14	—	16,865	13,354	3,512	—
Morgan City City of																
1991	465	1,050	—	1.89	1.89	100.0	—	—	489	—	—	100	881	—	—	881
Muscatine City of																
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
1990	19	1,000	—	2.56	2.56	100.0	11,890	16	19	100	*	*	22,969	22,824	97	48
1991	11	1,000	—	2.72	2.72	100.0	11,933	17	11	100	*	*	25,802	25,702	70	30
Nebraska Public Power District																
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
1990	281	954	2.58	—	2.58	—	67,454	140	268	99	*	*	57,131	55,387	1,020	724
1991	468	951	2.20	—	2.20	—	72,540	8	446	99	*	1	61,396	60,329	38	1,029

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Nevada Power Co																		
1987	1,498	100.0	11,911	8.8	0.5	48.24	—	48.24	37	—	147,600	0.8	—	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
1990	1,886	99.6	11,896	9.9	.6	42.30	34.66	42.26	202	30.6	148,978	.9	18.95	17.73	18.10	5	136,500	41.39
1991	1,676	100.0	11,913	9.8	.6	43.19	—	43.19	1	—	148,000	1.0	—	30.77	30.77	11	137,716	30.79
New England Power Co																		
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	—	—	—
1990	3,304	74.9	13,059	8.1	1.2	43.97	47.69	44.90	8,015	80.3	151,114	1.9	18.62	19.79	18.85	—	—	—
1991	3,594	90.1	13,160	8.3	1.2	44.99	46.20	45.11	5,714	69.8	151,901	1.7	16.56	17.07	16.71	—	—	—
New Orleans Public Service Inc																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	21	—	151,920	1.5	—	16.55	16.55	—	—	—
1991	—	—	—	—	—	—	—	—	2	22.0	151,844	1.4	14.87	14.77	14.79	*	137,626	31.31
New York State Elec & Gas Corp																		
1987	3,967	63.7	12,489	11.8	2.0	39.52	35.30	37.99	—	—	—	—	—	—	—	58	137,000	25.34
1988	3,436	51.8	12,472	12.1	2.1	40.00	35.40	37.78	—	—	—	—	—	—	—	47	137,000	23.30
1989	4,011	51.6	12,462	11.5	1.9	39.32	35.55	37.50	—	—	—	—	—	—	—	40	137,000	26.30
1990	4,518	46.8	12,493	11.4	2.1	37.79	38.64	38.24	—	—	—	—	—	—	—	27	137,000	38.07
1991	3,668	44.4	12,627	11.0	2.0	37.00	37.17	37.10	—	—	—	—	—	—	—	23	137,000	32.29
Niagara Mohawk Power Corp																		
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	—	—	—
1990	3,494	83.9	13,120	7.3	2.0	39.53	38.38	39.35	10,828	60.2	150,333	1.1	22.42	20.61	21.70	4	137,404	45.69
1991	3,215	76.6	13,152	7.4	2.0	40.55	37.05	39.73	6,890	56.8	150,902	1.2	15.69	15.77	15.72	34	138,199	31.66
Northern Indiana Pub Serv Co																		
1987	5,063	51.3	11,464	8.9	2.4	44.30	34.37	39.46	—	—	—	—	—	—	—	25	138,676	23.51
1988	5,816	58.7	10,965	8.0	1.9	41.60	29.85	36.75	—	—	—	—	—	—	—	—	—	—
1989	6,382	56.5	10,754	8.2	1.8	38.72	27.60	33.88	—	—	—	—	—	—	—	—	—	—
1990	6,436	57.2	10,913	8.4	1.9	40.44	28.97	35.53	—	—	—	—	—	—	—	—	—	—
1991	6,315	52.5	10,938	8.2	1.8	36.66	29.62	33.32	—	—	—	—	—	—	—	—	—	—
Northern States Power Co																		
1987	9,320	100.0	8,725	6.5	.4	19.59	—	19.59	—	—	—	—	—	—	—	—	—	—
1988	11,353	99.9	8,745	7.1	.5	19.92	31.93	19.94	—	—	—	—	—	—	—	—	—	—
1989	11,851	100.0	8,753	6.5	.4	19.94	—	19.94	—	—	—	—	—	—	—	—	—	—
1990	12,221	100.0	8,776	6.9	.4	21.27	—	21.27	—	—	—	—	—	—	—	—	—	—
1991	12,263	100.0	8,758	6.7	.4	20.80	—	20.80	—	—	—	—	—	—	—	4	139,755	25.20
Ohio Edison Co																		
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
1990	7,853	53.8	12,144	11.4	2.1	35.19	26.71	31.27	—	—	—	—	—	—	—	54	137,266	30.70
1991	7,329	62.1	12,236	11.1	2.1	34.71	26.09	31.45	—	—	—	—	—	—	—	45	137,554	28.05
Ohio Power Co																		
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
1990	14,633	94.3	11,573	13.2	3.2	40.89	28.03	40.16	—	—	—	—	—	—	—	160	137,418	33.61
1991	14,364	94.1	11,612	13.3	3.3	39.60	28.55	38.95	—	—	—	—	—	—	—	140	137,149	30.65

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Nevada Power Co																
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
1990	4,001	1,032	3.14	—	3.14	—	44,880	1,290	4,130	89	3	8	96,133	79,717	3,856	12,559
1991	1,998	1,022	2.66	—	2.66	—	39,930	72	2,042	95	*	5	78,078	72,386	379	5,313
New England Power Co																
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
1990	5,933	1,033	2.24	—	2.24	—	86,292	50,870	6,132	60	36	4	312,713	148,350	151,065	13,298
1991	1,821	1,032	2.04	—	2.04	—	94,587	36,455	1,880	71	27	1	261,327	162,102	95,503	3,722
New Orleans Public Service Inc																
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
1990	22,851	1,029	1.88	—	1.88	—	—	137	23,515	—	1	99	43,361	—	354	43,006
1991	23,243	1,032	1.57	—	1.57	—	—	17	23,977	—	*	100	36,561	—	48	36,513
New York State Elec & Gas Corp																
1987	—	—	—	—	—	—	99,089	335	—	100	*	—	152,191	150,716	1,475	—
1988	—	—	—	—	—	—	85,711	269	—	100	*	—	130,911	129,821	1,090	—
1989	—	—	—	—	—	—	99,979	231	—	100	*	—	151,464	150,407	1,057	—
1990	—	—	—	—	—	—	112,882	155	—	100	*	—	173,799	172,771	1,028	—
1991	—	—	—	—	—	—	92,636	135	—	100	*	—	136,827	136,071	755	—
Niagara Mohawk Power Corp																
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
1990	21,280	1,036	2.46	3.59	2.50	3.3	91,675	68,389	22,040	50	38	12	425,760	137,463	235,089	53,208
1991	21,616	1,034	2.21	—	2.21	—	84,562	43,864	22,346	56	29	15	284,878	127,737	109,406	47,735
Northern Indiana Pub Serv Co																
1987	850	1,000	—	2.63	2.63	100.0	116,083	146	850	99	*	1	202,620	199,795	588	2,238
1988	2,798	1,000	—	2.47	2.47	100.0	127,557	—	2,798	98	—	2	220,666	213,753	—	6,914
1989	3,528	1,000	—	2.60	2.60	100.0	137,259	—	3,528	97	—	3	225,375	216,196	—	9,179
1990	5,849	1,000	—	2.52	2.52	100.0	140,479	—	5,849	96	—	4	243,412	228,655	—	14,757
1991	8,542	1,000	—	2.35	2.35	100.0	138,157	—	8,542	94	—	6	230,466	210,425	—	20,041
Northern States Power Co																
1987	1,338	999	2.26	—	2.26	—	162,631	—	1,338	99	—	1	185,567	182,540	—	3,027
1988	1,048	1,007	2.39	—	2.39	—	198,578	—	1,056	99	—	1	228,881	226,375	—	2,506
1989	783	1,006	2.39	—	2.39	—	207,467	—	788	100	—	*	238,172	236,299	—	1,873
1990	867	1,005	2.06	—	2.06	—	214,504	—	872	100	—	*	261,682	259,898	—	1,784
1991	792	1,015	1.86	—	1.86	—	214,792	22	804	100	*	*	256,610	255,045	93	1,471
Ohio Edison Co																
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	—
1990	31	1,068	3.17	—	3.17	—	190,743	311	33	100	*	*	247,310	245,557	1,655	99
1991	46	1,068	3.17	—	3.17	—	179,351	259	49	100	*	*	231,860	230,458	1,257	146
Ohio Power Co																
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	—
1990	—	—	—	—	—	—	338,687	922	—	100	*	—	593,035	587,668	5,367	—
1991	—	—	—	—	—	—	333,583	807	—	100	*	—	563,704	559,410	4,295	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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 Valley Electric Corp																		
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
1990	3,510	66.5	11,860	10.8	3.8	31.89	22.72	28.82	—	—	—	—	—	—	—	4	137,864	32.65
1991	3,264	70.6	11,987	10.4	3.8	32.44	24.12	30.00	—	—	—	—	—	—	—	5	138,264	34.29
Oklahoma Gas & Electric Co																		
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
1990	6,549	87.0	9,060	5.4	.4	24.65	28.24	25.11	110	—	156,571	1.1	—	19.88	19.88	5	143,488	45.26
1991	7,749	77.8	8,928	5.2	.4	23.23	18.49	22.18	—	—	—	—	—	—	—	21	137,447	23.59
Omaha Public Power District																		
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
1990	3,448	58.9	8,295	4.8	.3	10.80	11.03	10.90	—	—	—	—	—	—	—	4	137,500	32.43
1991	3,940	58.5	8,299	4.9	.3	10.57	10.52	10.55	—	—	—	—	—	—	—	7	137,500	26.06
Orange & Rockland Utils Inc																		
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	—	—	—
1990	687	93.4	13,101	7.0	.6	56.47	52.91	56.24	4,784	—	148,376	.3	—	23.38	23.38	—	—	—
1991	711	74.7	13,045	7.1	.6	56.32	48.05	54.23	3,490	—	149,064	.3	—	18.38	18.38	—	—	—
Orlando Utilities Comm																		
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
1990	996	100.0	12,732	9.5	.8	48.30	—	48.30	1,007	.7	151,447	1.5	19.52	12.70	12.75	4	137,270	27.24
1991	1,036	100.0	12,669	8.7	.8	49.16	—	49.16	1,304	.4	151,451	1.5	21.57	12.77	12.80	4	138,129	27.52
Orrville City of																		
1991	175	100.0	11,533	10.9	3.6	24.04	—	24.04	—	—	—	—	—	—	—	—	—	—
Otter Tail Power Co																		
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
1990	2,253	93.1	6,341	8.1	.9	14.08	23.02	14.70	—	—	—	—	—	—	—	11	140,000	32.23
1991	2,484	93.7	6,230	8.7	.8	13.65	24.31	14.33	—	—	—	—	—	—	—	7	140,000	27.91
Owensboro City of																		
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
1990	1,003	100.0	10,669	12.4	3.0	23.52	—	23.52	—	—	—	—	—	—	—	4	138,000	35.57
1991	826	46.1	11,226	9.6	3.0	25.24	23.45	24.27	—	—	—	—	—	—	—	5	138,000	27.85
Pacific Gas & Electric Co																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	3,471	—	146,420	.5	—	26.20	26.20	—	—	—
1991	—	—	—	—	—	—	—	—	2,011	—	145,744	.3	—	18.77	18.77	—	—	—
PacifiCorp																		
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
1990	28,990	83.8	9,521	10.5	.6	19.79	13.38	18.75	—	—	—	—	—	—	—	99	140,057	30.58
1991	28,182	89.0	9,451	10.7	.6	19.69	11.76	18.82	—	—	—	—	—	—	—	119	140,000	30.06

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Ohio Valley Electric Corp																
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	—
1990	—	—	—	—	—	—	83,255	23	—	100	*	—	101,271	101,141	129	—
1991	—	—	—	—	—	—	78,251	27	—	100	*	—	98,064	97,904	160	—
Oklahoma Gas & Electric Co																
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
1990	83,757	1,037	3.20	3.09	3.18	25.8	118,656	754	86,856	58	*	42	432,836	164,453	2,412	265,970
1991	78,534	1,037	3.59	3.24	3.25	95.9	138,358	120	81,439	63	*	37	427,573	171,869	492	255,212
Omaha Public Power District																
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
1990	321	990	2.35	—	2.35	—	57,194	25	318	99	*	1	38,458	37,565	139	754
1991	413	991	2.11	—	2.11	—	65,395	41	409	99	*	1	42,623	41,567	185	871
Orange & Rockland Utils Inc																
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
1990	30,379	1,035	2.75	—	2.75	—	17,991	29,813	31,433	23	38	40	233,916	38,615	111,836	83,466
1991	26,176	1,032	2.67	—	2.67	—	18,551	21,850	27,027	28	32	40	172,623	38,554	64,145	69,925
Orlando Utilities Comm																
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
1990	11,671	1,030	2.40	2.67	2.45	18.8	25,366	6,429	12,021	58	15	27	89,653	48,116	12,954	28,583
1991	10,504	1,033	2.04	2.21	2.12	46.2	26,256	8,318	10,849	58	18	24	89,995	50,945	16,809	22,241
Orrville City of																
1991	—	—	—	—	—	—	4,044	—	—	100	—	—	4,214	4,214	—	—
Otter Tail Power Co																
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	—
1990	—	—	—	—	—	—	28,573	64	—	100	*	—	33,464	33,112	352	—
1991	—	—	—	—	—	—	30,948	42	—	100	*	—	35,785	35,587	198	—
Owensboro City of																
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	—
1990	—	—	—	—	—	—	21,408	25	—	100	*	—	23,754	23,599	154	—
1991	—	—	—	—	—	—	18,550	29	—	100	*	—	20,196	20,055	141	—
Pacific Gas & Electric Co																
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
1990	229,832	1,027	3.17	—	3.17	—	—	21,345	236,004	—	8	92	819,689	—	90,927	728,762
1991	219,167	1,020	2.99	—	2.99	—	—	12,308	223,606	—	5	95	692,635	—	37,750	654,885
PacifiCorp																
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
1990	70	1,035	3.26	—	3.26	—	552,017	582	72	100	*	*	546,717	543,462	3,027	228
1991	4,036	1,067	1.76	—	1.76	—	532,698	700	4,304	99	*	1	541,005	530,340	3,577	7,089

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Painesville City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	88	100.0	12,211	9.4	2.8	33.76	—	33.76	—	—	—	—	—	—	—	—	—	—
1991	92	100.0	12,185	7.9	2.8	33.85	—	33.85	—	—	—	—	—	—	—	—	—	—
Pasadena City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	66	100.0	147,260	0.2	15.54	—	15.54	—	—	—
1989	—	—	—	—	—	—	—	—	99	100.0	148,699	.1	22.12	—	22.12	—	—	—
1990	—	—	—	—	—	—	—	—	29	100.0	149,256	.2	17.97	—	17.97	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pennsylvania Electric Co																		
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
1990	17,920	70.2	12,084	15.2	1.8	35.87	33.39	35.13	—	—	—	—	—	—	—	224	138,800	31.19
1991	16,531	73.9	12,186	14.8	1.9	36.59	29.51	34.74	—	—	—	—	—	—	—	197	138,800	27.23
Pennsylvania Power & Light Co																		
1987	9,388	84.3	12,196	14.8	1.7	42.86	26.60	40.30	6,934	76.8	150,657	.9	18.19	19.22	18.43	335	139,328	22.52
1988	9,007	81.6	12,230	14.8	1.7	43.26	27.95	40.45	5,727	78.5	151,395	.9	14.68	14.50	14.64	404	140,184	19.86
1989	9,370	73.6	12,173	14.8	1.7	43.03	31.90	40.10	6,227	80.7	151,602	.9	17.58	16.41	17.35	265	140,461	22.62
1990	10,433	75.5	12,150	14.8	1.8	44.09	33.65	41.53	3,558	56.1	151,254	.9	20.15	22.30	21.09	261	139,426	35.49
1991	8,920	85.9	12,117	15.1	1.8	46.61	26.20	43.73	2,131	24.7	151,576	.9	14.74	13.44	13.76	196	139,187	27.92
Pennsylvania Power Co																		
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
1990	6,761	94.0	12,084	11.8	3.9	36.34	30.69	36.00	—	—	—	—	—	—	—	85	137,727	23.74
1991	5,919	95.0	12,162	11.5	3.7	39.12	30.18	38.68	—	—	—	—	—	—	—	111	137,153	28.43
Philadelphia Electric Co																		
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	—	—	—
1990	802	83.5	13,071	7.4	1.5	43.28	46.31	43.78	3,004	71.8	150,450	.5	20.28	22.23	20.83	12	139,722	36.17
1991	584	95.9	13,213	7.5	1.8	44.44	41.44	44.32	1,905	93.5	151,314	.5	16.99	16.78	16.98	128	139,520	27.50
Plains Elec Gen&Trans Coop Inc																		
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	—	—	—	—	—	—	—	—	—	—
1990	836	100.0	9,223	17.2	.7	24.24	—	24.24	—	—	—	—	—	—	—	—	—	—
1991	874	100.0	8,996	18.7	.7	23.62	—	23.62	—	—	—	—	—	—	—	—	—	—
Platte River Power Authority																		
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	—	—	—	—	—	—	—	—	—	—
1990	1,089	100.0	8,778	5.5	.3	12.83	—	12.83	—	—	—	—	—	—	—	—	—	—
1991	1,001	100.0	8,812	5.4	.3	13.33	—	13.33	—	—	—	—	—	—	—	—	—	—
Portland General Electric Co																		
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
1990	968	100.0	8,348	4.6	.3	18.02	—	18.02	—	—	—	—	—	—	—	13	139,000	20.28
1991	1,719	52.2	8,429	4.6	.3	18.39	18.15	18.28	—	—	—	—	—	—	—	84	140,644	28.08

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Painesville City of																
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
1990	18	1,000	4.42	—	4.42	—	2,154	—	18	99	—	1	3,057	2,978	—	79
1991	20	1,000	4.11	—	4.11	—	2,237	—	20	99	—	1	3,190	3,107	—	82
Pasadena City of																
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
1990	3,813	1,028	3.40	—	3.40	—	—	180	3,920	—	4	96	13,466	—	515	12,951
1991	3,514	1,027	2.77	—	2.77	—	—	—	3,610	—	—	100	9,751	—	—	9,751
Pennsylvania Electric Co																
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	—
1990	—	—	—	—	—	—	433,091	1,306	—	100	*	—	636,496	629,509	6,987	—
1991	12	1,000	—	2.97	2.97	100.0	402,904	1,148	12	100	*	*	579,752	574,352	5,364	36
Pennsylvania Power & Light Co																
1987	—	—	—	—	—	—	228,997	45,836	—	83	17	—	513,705	378,356	135,350	—
1988	—	—	—	—	—	—	220,304	38,794	—	85	15	—	456,197	364,320	91,877	—
1989	—	—	—	—	—	—	228,130	41,212	—	85	15	—	489,722	375,697	114,026	—
1990	—	—	—	—	—	—	253,512	24,131	—	91	9	—	517,594	433,285	84,309	—
1991	—	—	—	—	—	—	216,164	14,712	—	94	6	—	424,903	390,104	34,799	—
Pennsylvania Power Co																
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	—
1990	—	—	—	—	—	—	163,392	493	—	100	*	—	245,437	243,414	2,023	—
1991	—	—	—	—	—	—	143,980	638	—	100	*	—	232,092	228,941	3,150	—
Philadelphia Electric Co																
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	—
1990	—	—	—	—	—	—	20,968	19,052	—	52	48	—	98,126	35,115	63,010	—
1991	—	—	—	—	—	—	15,433	12,857	—	55	45	—	61,747	25,883	35,864	—
Plains Elec Gen&Trans Coop Inc																
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
1990	21	865	3.60	—	3.60	—	15,422	—	18	100	—	*	20,339	20,263	—	76
1991	17	847	3.29	—	3.29	—	15,727	—	14	100	—	*	20,696	20,641	—	55
Platte River Power Authority																
1987	—	—	—	—	—	—	20,035	—	—	100	—	—	15,186	15,186	—	—
1988	—	—	—	—	—	—	20,899	—	—	100	—	—	14,739	14,739	—	—
1989	—	—	—	—	—	—	20,324	—	—	100	—	—	14,492	14,492	—	—
1990	—	—	—	—	—	—	19,126	—	—	100	—	—	13,982	13,982	—	—
1991	—	—	—	—	—	—	17,647	—	—	100	—	—	13,351	13,351	—	—
Portland General Electric Co																
1987	—	—	—	—	—	—	6,392	—	—	100	—	—	8,960	8,960	—	—
1988	—	—	—	—	—	—	4,001	—	—	100	—	—	5,559	5,559	—	—
1989	—	—	—	—	—	—	—	72	—	—	100	—	327	—	327	—
1990	—	—	—	—	—	—	16,157	78	—	100	*	—	17,710	17,439	272	—
1991	10,940	1,011	1.59	—	1.59	—	28,985	496	11,060	71	1	27	51,153	31,428	2,358	17,367

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Potomac Edison Co																		
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
1990	205	53.5	12,893	9.9	1.0	41.25	36.52	39.05	—	—	—	—	—	—	—	6	141,000	31.27
1991	245	52.9	13,039	10.4	1.0	39.58	33.45	36.69	—	—	—	—	—	—	—	5	141,000	27.95
Potomac Electric Power Co																		
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
1990	7,202	65.2	12,647	11.1	1.6	44.26	42.10	43.51	[2] 3,301	100.0	149,152	1.4	18.87	—	18.87	282	137,526	30.43
1991	5,887	82.2	12,720	11.1	1.5	44.04	40.28	43.37	[2] 3,756	100.0	149,977	1.5	13.49	—	13.49	299	138,185	26.00
Power Authority of State of NY																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	1,357	—	148,235	.3	—	25.51	25.51	—	—	—
1991	—	—	—	—	—	—	—	—	233	—	149,062	.3	—	23.60	23.60	—	—	—
Public Service Co of Colorado																		
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
1990	7,272	88.7	9,397	6.6	.4	21.04	24.30	21.41	—	—	—	—	—	—	—	30	137,023	30.41
1991	7,403	90.0	9,489	6.5	.4	21.69	23.20	21.84	—	—	—	—	—	—	—	13	136,227	29.77
Public Service Co of IN Inc																		
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
1990	13,586	81.4	10,882	10.2	2.4	33.12	25.87	31.78	—	—	—	—	—	—	—	134	137,000	29.59
1991	12,535	75.8	10,914	10.3	2.3	33.65	25.28	31.62	—	—	—	—	—	—	—	133	137,000	27.07
Public Service Co of NH																		
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
1990	1,271	84.2	13,303	6.7	1.8	47.27	48.08	47.39	4,264	100.0	154,436	1.9	14.59	—	14.59	28	137,999	32.98
1991	1,284	87.0	13,247	6.4	1.4	46.02	47.45	46.20	2,102	81.2	156,973	1.6	11.66	11.27	11.59	30	138,360	28.09
Public Service Co of NM																		
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	[3] 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	[3] 29	100.0	145,000	1.0	14.68	—	14.68	36	135,059	28.23
1990	5,683	100.0	9,644	22.0	.8	32.87	—	32.87	[3] 13	100.0	145,000	1.0	13.60	—	13.60	42	136,000	35.54
1991	4,336	100.0	9,604	23.1	.8	35.53	—	35.53	—	—	—	—	—	—	—	78	136,000	30.58
Public Service Co of Oklahoma																		
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	—	—	—	—	—	—	—	—	—	—
1990	3,312	95.1	8,939	6.1	.5	29.11	33.99	29.35	—	—	—	—	—	—	—	—	—	—
1991	3,566	99.4	8,795	5.7	.5	28.12	34.76	28.16	—	—	—	—	—	—	—	—	—	—
Public Service Electric&Gas Co																		
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
1990	2,064	87.7	13,567	6.5	.8	48.64	48.90	48.67	1,584	81.6	147,237	.3	21.62	19.60	21.25	1	137,623	34.04
1991	1,246	91.9	13,715	5.9	.8	49.74	46.21	49.45	1,596	93.3	147,953	.3	19.31	16.52	19.13	*	130,358	28.07

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Potomac Edison Co																
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	—
1990	—	—	—	—	—	—	5,279	38	—	99	1	—	8,195	7,994	201	—
1991	—	—	—	—	—	—	6,400	32	—	100	*	—	9,156	9,006	151	—
Potomac Electric Power Co																
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
1990	8,556	1,044	2.44	2.39	2.43	4.0	182,169	22,309	8,934	85	10	4	405,085	313,370	70,894	20,821
1991	7,494	1,051	2.28	—	2.28	—	149,762	25,394	7,879	82	14	4	330,851	255,332	58,462	17,056
Power Authority of State of NY																
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
1990	23,986	1,031	2.86	6.69	2.86	*	—	8,449	24,724	—	25	75	103,243	—	34,622	68,620
1991	24,705	1,030	3.08	—	3.08	—	—	1,459	25,449	—	5	95	81,651	—	5,499	76,151
Public Service Co of Colorado																
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
1990	2,160	983	1.96	2.39	2.04	17.9	136,668	174	2,122	98	*	2	161,010	155,690	919	4,401
1991	2,273	990	2.03	1.96	2.02	22.0	140,481	72	2,251	98	*	2	166,650	161,693	372	4,585
Public Service Co of IN Inc																
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	—
1990	—	—	—	—	—	—	295,682	772	—	100	*	—	435,688	431,717	3,971	—
1991	—	—	—	—	—	—	273,625	767	—	100	*	—	399,982	396,373	3,609	—
Public Service Co of NH																
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	—
1990	—	—	—	—	—	—	33,810	27,822	—	55	45	—	123,356	60,228	63,128	—
1991	—	—	—	—	—	—	34,028	14,030	—	71	29	—	84,536	59,341	25,194	—
Public Service Co of NM																
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
1990	246	1,050	3.20	4.14	3.23	2.7	109,615	321	259	99	*	*	189,271	186,793	1,682	796
1991	44	1,017	2.77	—	2.77	—	83,291	446	45	99	1	*	156,579	154,071	2,385	123
Public Service Co of Oklahoma																
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
1990	52,985	1,057	—	3.20	3.20	100.0	59,214	—	56,009	51	—	49	266,744	97,200	—	169,543
1991	66,157	1,048	—	3.06	3.06	100.0	62,725	—	69,318	48	—	52	302,557	100,419	—	202,138
Public Service Electric&Gas Co																
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
1990	30,182	1,032	2.19	—	2.19	—	55,995	9,800	31,148	58	10	32	200,352	100,450	33,694	66,209
1991	39,903	1,032	1.94	—	1.94	—	34,183	9,920	41,163	40	12	48	169,616	61,627	30,537	77,452

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Puget Sound Power & Light Co																		
1989	—	—	—	—	—	—	—	—	30	—	150,000	0.0	—	15.98	15.98	—	—	—
1990	—	—	—	—	—	—	—	—	*	—	156,000	2.0	—	19.98	19.98	—	—	—
1991	—	—	—	—	—	—	—	—	*	—	150,000	2.0	—	39.00	39.00	—	—	—
Richmond City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	235	80.1	11,344	10.9	2.6	37.32	31.02	36.07	—	—	—	—	—	—	—	—	—	—
1991	245	80.4	11,458	9.0	2.6	37.26	31.24	36.08	—	—	—	—	—	—	—	—	—	—
Rochester City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	65	98.5	12,073	7.4	1.6	42.40	24.04	42.12	—	—	—	—	—	—	—	—	—	—
1991	70	82.2	11,634	7.4	1.7	38.98	26.58	36.78	—	—	—	—	—	—	—	—	—	—
Rochester Gas & Electric Corp																		
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	—	—	—	—	—	—	—	—	—	—
1990	813	75.3	13,182	7.2	2.1	42.62	41.54	42.36	—	—	—	—	—	—	—	—	—	—
1991	656	90.9	13,227	7.4	2.2	42.24	37.16	41.78	—	—	—	—	—	—	—	—	—	—
Ruston City of																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S Mississippi Elec Pwr Assn																		
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
1990	775	100.0	12,426	9.0	1.0	50.57	—	50.57	—	—	—	—	—	—	—	7	139,484	22.64
1991	795	100.0	12,406	9.0	1.0	50.96	—	50.96	—	—	—	—	—	—	—	9	138,894	24.13
Salt River Proj Ag I & P Dist																		
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
1990	9,314	100.0	10,777	9.9	.5	26.10	—	26.10	96	—	147,745	.9	—	22.08	22.08	84	139,124	28.27
1991	9,876	100.0	10,743	10.1	.5	26.19	—	26.19	—	—	—	—	—	—	—	64	139,078	29.06
San Antonio City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	2,655	100.0	8,376	6.1	.4	21.19	—	21.19	—	—	—	—	—	—	—	—	—	—
1991	3,931	67.5	8,398	5.8	.3	21.79	20.19	21.27	—	—	—	—	—	—	—	—	—	—
San Diego Gas & Electric Co																		
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
1990	—	—	—	—	—	—	—	—	1,627	—	147,107	.4	—	21.49	21.49	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
San Miguel Electric Coop Inc																		
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

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Puget Sound Power & Light Co																
1989	—	—	—	—	—	—	—	189	—	—	100	—	480	—	480	—
1990	—	—	—	—	—	—	—	2	—	—	100	—	8	—	8	—
1991	—	—	—	—	—	—	—	2	—	—	100	—	11	—	11	—
Richmond City of																
1987	—	—	—	—	—	—	4,335	—	—	100	—	—	7,170	7,170	—	—
1988	—	—	—	—	—	—	5,068	—	—	100	—	—	8,200	8,200	—	—
1989	—	—	—	—	—	—	5,030	—	—	100	—	—	8,133	8,133	—	—
1990	—	—	—	—	—	—	5,332	—	—	100	—	—	8,475	8,475	—	—
1991	—	—	—	—	—	—	5,618	—	—	100	—	—	8,844	8,844	—	—
Rochester City of																
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
1990	735	1,004	1.91	—	1.91	—	1,579	—	737	68	—	32	4,159	2,755	—	1,404
1991	1,134	1,013	1.66	—	1.66	—	1,636	—	1,149	59	—	41	4,466	2,585	—	1,881
Rochester Gas & Electric Corp																
1987	—	—	—	—	—	—	14,094	—	—	100	—	—	23,963	23,963	—	—
1988	—	—	—	—	—	—	16,408	—	—	100	—	—	27,178	27,178	—	—
1989	—	—	—	—	—	—	22,374	—	—	100	—	—	35,227	35,227	—	—
1990	—	—	—	—	—	—	21,436	—	—	100	—	—	34,441	34,441	—	—
1991	—	—	—	—	—	—	17,349	—	—	100	—	—	27,398	27,398	—	—
Ruston City of																
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
1990	1,836	1,057	1.89	2.26	2.04	41.4	—	—	1,940	—	—	100	3,743	—	—	3,743
1991	1,851	1,074	1.75	2.09	1.88	39.0	—	—	1,988	—	—	100	3,486	—	—	3,486
S Mississippi Elec Pwr Assn																
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
1990	6,436	1,008	1.74	—	1.74	—	19,268	42	6,485	75	*	25	50,592	39,208	161	11,223
1991	7,488	1,013	1.54	—	1.54	—	19,735	52	7,584	72	*	28	52,299	40,537	215	11,547
Salt River Proj Ag I & P Dist																
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
1990	4,581	1,038	2.38	—	2.38	—	200,762	1,085	4,755	97	1	2	258,531	243,126	4,487	10,918
1991	4,823	1,023	2.18	—	2.18	—	212,190	377	4,933	98	*	2	271,014	258,616	1,874	10,523
San Antonio City of																
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
1990	39,724	1,020	1.91	1.71	1.91	2.3	44,486	—	40,520	52	—	48	132,110	56,266	—	75,844
1991	32,875	1,026	1.71	1.81	1.73	15.7	66,020	—	33,732	66	—	34	140,387	83,594	—	56,793
San Diego Gas & Electric Co																
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
1990	33,992	1,032	2.63	—	2.63	—	—	10,052	35,085	—	22	78	124,518	—	34,967	89,551
1991	37,562	1,030	2.76	—	2.76	—	—	—	38,674	—	—	100	103,557	—	—	103,557
San Miguel Electric Coop Inc																
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	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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 Miguel Electric Coop Inc																		
1990	3,015	100.0	5,521	23.3	1.9	9.63	—	9.63	—	—	—	—	—	—	—	*	138,138	24.66
1991	3,076	100.0	5,420	24.6	1.8	9.97	—	9.97	—	—	—	—	—	—	—	9	138,138	25.12
Savannah Electric & Power Co																		
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
1990	790	—	12,675	9.2	1.0	—	43.00	43.00	43	20.9	149,113	2.3	13.86	13.51	13.58	4	138,000	35.09
1991	307	—	12,522	9.7	1.0	—	40.28	40.28	—	—	—	—	—	—	—	6	138,000	31.70
Seminole Electric Coop Inc																		
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
1990	3,144	89.8	12,118	8.7	2.9	50.21	44.13	49.59	—	—	—	—	—	—	—	42	141,779	31.19
1991	3,282	83.5	12,118	8.5	2.7	50.59	41.16	49.04	—	—	—	—	—	—	—	59	141,368	26.98
Sierra Pacific Power Co																		
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
1990	1,420	100.0	10,575	9.0	.4	40.83	—	40.83	62	—	148,800	.8	—	19.13	19.13	13	138,500	35.96
1991	1,346	100.0	10,766	8.3	.4	42.22	—	42.22	393	—	148,087	.7	—	24.01	24.01	12	138,500	29.62
Sikeston City of																		
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
1990	650	57.6	11,351	12.0	2.6	39.99	25.73	33.94	—	—	—	—	—	—	—	3	141,000	30.26
1991	745	48.6	11,650	10.7	2.5	40.17	25.06	32.40	—	—	—	—	—	—	—	2	141,000	29.61
South Carolina Electric&Gas Co																		
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
1990	4,501	78.7	12,811	8.8	1.2	43.13	41.26	42.73	—	—	—	—	—	—	—	96	138,000	36.28
1991	4,221	77.9	12,874	8.6	1.2	42.31	38.89	41.56	—	—	—	—	—	—	—	96	138,000	27.62
South Carolina Pub Serv Auth																		
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	—	—	—	—	—	—	—	—	—	—
1990	4,368	72.2	12,506	9.6	1.2	46.76	38.86	44.56	—	—	—	—	—	—	—	—	—	—
1991	4,640	55.3	12,605	9.5	1.2	44.71	36.42	41.00	—	—	—	—	—	—	—	—	—	—
Southern California Edison Co																		
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
1990	4,171	100.0	10,959	10.1	.5	26.43	—	26.43	5,743	100.0	145,289	.3	26.40	—	26.40	—	—	—
1991	5,062	100.0	10,953	10.2	.5	24.43	—	24.43	—	—	—	—	—	—	—	—	—	—
Southern Illinois Power Coop																		
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
1990	739	30.6	10,435	19.2	3.1	24.17	16.86	19.10	—	—	—	—	—	—	—	9	135,804	31.91
1991	595	34.3	10,316	17.6	2.8	24.93	14.02	17.76	—	—	—	—	—	—	—	11	135,671	28.04
Southern Indiana Gas & Elec Co																		
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
1990	2,630	91.7	11,293	8.2	3.0	34.15	25.29	33.41	—	—	—	—	—	—	—	15	139,000	32.51
1991	2,557	90.5	11,277	8.4	2.9	33.57	31.93	33.41	—	—	—	—	—	—	—	14	139,000	26.98

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
San Miguel Electric Coop Inc																
1990	—	—	—	—	—	—	33,293	1	—	100	*	—	29,026	29,022	4	—
1991	—	—	—	—	—	—	33,344	54	—	100	*	—	30,906	30,671	235	—
Savannah Electric & Power Co																
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
1990	1,165	1,023	3.10	—	3.10	—	20,017	289	1,192	93	1	6	38,275	33,955	715	3,605
1991	532	1,024	2.91	—	2.91	—	7,681	34	544	93	*	7	14,083	12,354	183	1,545
Seminole Electric Coop Inc																
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	—
1990	—	—	—	—	—	—	76,197	250	—	100	*	—	157,234	155,925	1,310	—
1991	—	—	—	—	—	—	79,543	350	—	100	*	—	162,540	160,947	1,592	—
Sierra Pacific Power Co																
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
1990	16,483	1,030	1.58	2.34	1.62	5.1	30,033	463	16,983	63	1	36	86,330	57,972	1,654	26,704
1991	15,918	1,024	1.55	—	1.55	—	28,982	2,514	16,307	61	5	34	91,349	56,828	9,791	24,730
Sikeston City of																
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	—
1990	—	—	—	—	—	—	14,760	16	—	100	*	—	22,150	22,069	81	—
1991	—	—	—	—	—	—	17,351	13	—	100	*	—	24,194	24,130	63	—
South Carolina Electric&Gas Co																
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
1990	5,877	1,023	1.76	—	1.76	—	115,342	559	6,013	95	*	5	206,176	192,350	3,497	10,329
1991	9,518	1,025	1.53	—	1.53	—	108,690	558	9,757	91	*	8	192,605	175,416	2,657	14,532
South Carolina Pub Serv Auth																
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	—	—
1990	—	—	—	—	—	—	109,261	—	—	100	—	—	194,651	194,651	—	—
1991	—	—	—	—	—	—	116,973	—	—	100	—	—	190,261	190,261	—	—
Southern California Edison Co																
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
1990	118,647	1,041	3.10	—	3.10	—	91,422	35,046	123,518	37	14	49	630,191	110,261	151,599	368,331
1991	142,919	1,038	2.91	—	2.91	—	110,902	—	148,359	43	—	57	538,912	123,664	—	415,248
Southern Illinois Power Coop																
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	—
1990	—	—	—	—	—	—	15,424	51	—	100	*	—	14,398	14,111	287	—
1991	—	—	—	—	—	—	12,276	63	—	99	1	—	10,877	10,569	308	—
Southern Indiana Gas & Elec Co																
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
1990	38	1,025	3.07	—	3.07	—	59,392	90	39	100	*	*	88,482	87,866	501	115
1991	59	1,024	3.22	—	3.22	—	57,675	80	61	100	*	*	85,995	85,435	369	191

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Southwestern Electric Power Co																		
1987	9,464	100.0	7,927	6.5	0.7	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
1990	9,450	100.0	7,871	6.7	.8	27.23	—	27.23	—	—	—	—	—	—	—	24	140,000	25.03
1991	9,380	82.7	7,866	6.8	.8	27.81	27.16	27.70	12	—	150,243	0.6	—	28.79	28.79	38	140,000	27.12
Southwestern Public Service Co																		
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
1990	8,266	93.9	8,750	5.2	.4	30.75	19.13	30.03	—	—	—	—	—	—	—	2	139,000	26.12
1991	7,776	93.5	8,760	5.0	.3	30.97	19.48	30.21	—	—	—	—	—	—	—	—	—	—
Springfield City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	861	100.0	11,670	8.2	2.3	31.19	—	31.19	—	—	—	—	—	—	—	—	—	—
1991	668	100.0	11,591	8.6	2.3	31.50	—	31.50	—	—	—	—	—	—	—	—	—	—
Springfield City of																		
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	—	—	—	—	—	—	—	—	—	—
1990	922	100.0	10,399	9.3	2.9	27.81	—	27.81	—	—	—	—	—	—	—	—	—	—
1991	989	100.0	10,388	9.4	2.9	28.18	—	28.18	—	—	—	—	—	—	—	—	—	—
St Joseph Light & Power Co																		
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
1990	172	—	11,622	12.1	3.2	—	30.92	30.92	34	—	154,611	2.6	—	11.66	11.66	—	—	—
1991	195	—	11,953	12.4	3.4	—	33.33	33.33	187	—	155,335	2.4	—	8.65	8.65	—	—	—
Sunflower Electric Power Corp																		
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	—	—	—	—	—	—	—	—	—	—
1990	1,052	100.0	8,478	5.0	.3	16.50	—	16.50	—	—	—	—	—	—	—	—	—	—
1991	1,297	100.0	8,470	5.0	.3	17.50	—	17.50	—	—	—	—	—	—	—	—	—	—
Tacoma Public Utilities																		
1991	27	—	10,004	12.8	.5	—	41.82	41.82	—	—	—	—	—	—	—	*	138,000	35.88
Tallahassee City of																		
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	37	—	151,190	1.8	—	15.27	15.27	—	—	—
Tampa Electric Co																		
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
1990	6,650	73.5	12,266	7.8	2.2	48.93	31.96	44.44	205	100.0	151,161	1.0	26.04	—	26.04	159	137,945	30.48
1991	6,404	77.8	12,259	7.8	2.2	50.92	31.72	46.65	468	100.0	151,838	1.0	14.89	—	14.89	98	136,809	26.59
Taunton City of																		
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	—	—	—
1990	—	—	—	—	—	—	—	—	154	100.0	150,194	1.3	20.45	—	20.45	—	—	—
1991	—	—	—	—	—	—	—	—	60	100.0	150,485	2.1	15.59	—	15.59	—	—	—

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Southwestern Electric Power Co																
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
1990	16,604	1,002	1.93	3.49	2.72	50.0	148,758	141	16,634	90	*	10	302,996	257,312	601	45,084
1991	18,357	937	1.54	5.74	2.29	17.9	147,562	298	17,208	89	*	10	303,285	259,815	1,369	42,102
Southwestern Public Service Co																
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
1990	39,556	1,027	1.74	2.07	1.95	64.4	144,659	12	40,615	78	*	22	325,519	248,267	52	77,200
1991	48,965	1,007	1.57	1.58	1.58	61.0	136,243	—	49,286	73	—	27	312,162	234,949	—	77,213
Springfield City of																
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
1990	1,675	1,021	1.47	—	1.47	—	20,108	—	1,711	92	—	8	29,335	26,869	—	2,465
1991	8,685	1,017	1.40	—	1.40	—	15,482	—	8,832	64	—	36	33,188	21,036	—	12,152
Springfield City of																
1987	—	—	—	—	—	—	17,486	—	—	100	—	—	27,722	27,722	—	—
1988	—	—	—	—	—	—	18,546	—	—	100	—	—	30,099	30,099	—	—
1989	—	—	—	—	—	—	18,820	—	—	100	—	—	24,247	24,247	—	—
1990	—	—	—	—	—	—	19,175	—	—	100	—	—	25,641	25,641	—	—
1991	—	—	—	—	—	—	20,540	—	—	100	—	—	27,862	27,862	—	—
St Joseph Light & Power Co																
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
1990	366	1,008	1.89	—	1.89	—	3,998	223	369	87	5	8	6,410	5,318	400	692
1991	764	994	1.58	—	1.58	—	4,664	1,220	760	70	18	11	9,331	6,502	1,618	1,211
Sunflower Electric Power Corp																
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
1990	104	869	.98	1.63	1.60	95.7	17,831	—	91	99	—	1	17,522	17,356	—	166
1991	83	824	—	1.50	1.50	100.0	21,977	—	68	100	—	*	22,830	22,706	—	124
Tacoma Public Utilities																
1991	27	1,050	4.02	—	4.02	—	541	1	29	95	*	5	1,243	1,130	3	109
Tallahassee City of																
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
1990	13,166	1,044	2.39	—	2.39	—	—	—	13,744	—	—	100	31,441	—	—	31,441
1991	15,889	1,042	2.18	—	2.18	—	—	234	16,557	—	1	99	35,259	—	562	34,697
Tampa Electric Co																
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	—
1990	—	—	—	—	—	—	163,133	2,222	—	99	1	—	305,701	295,520	10,180	—
1991	—	—	—	—	—	—	157,014	3,546	—	98	2	—	308,352	298,784	9,568	—
Taunton City of																
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
1990	1,251	1,031	2.81	—	2.81	—	—	973	1,290	—	43	57	6,674	—	3,154	3,520
1991	1,583	1,031	2.35	3.38	2.36	1.5	—	378	1,632	—	19	81	4,670	—	933	3,737

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Tennessee Valley Authority																		
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
1990	36,876	74.3	11,757	11.0	2.4	30.22	29.16	29.95	—	—	—	—	—	—	—	189	138,264	32.78
1991	32,433	95.2	11,871	10.4	2.3	29.26	29.92	29.29	—	—	—	—	—	—	—	326	138,192	29.64
Terrebonne Parish Consol Govt																		
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Texas Municipal Power Agency																		
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
1990	3,623	97.9	4,740	26.3	1.4	14.19	17.80	14.26	—	—	—	—	—	—	—	2	139,513	20.56
1991	3,587	100.0	4,668	26.1	1.3	12.65	—	12.65	—	—	—	—	—	—	—	—	—	—
Texas New Mexico Power Co																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	565	100.0	6,821	15.2	1.0	18.39	—	18.39	—	—	—	—	—	—	—	—	—	—
1991	1,417	100.0	6,775	15.6	1.0	18.81	—	18.81	—	—	—	—	—	—	—	—	—	—
Texas Utilities Electric Co[5]																		
1987	29,026	100.0	6,393	15.2	.7	13.54	—	13.54	[2] 8	—	143,294	0.5	—	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
1990	31,244	100.0	6,480	15.2	.8	12.27	—	12.27	[2] 313	—	148,000	.5	—	29.54	29.54	488	138,000	34.95
1991	32,454	99.9	6,412	16.8	.9	13.24	26.21	13.26	[2] 31	—	148,000	.1	—	21.51	21.51	233	138,000	29.01
Toledo Edison Co																		
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
1990	1,309	98.2	13,109	6.9	1.2	51.37	42.08	51.20	—	—	—	—	—	—	—	4	137,732	25.59
1991	1,228	99.5	13,001	7.3	1.1	52.65	42.39	52.60	—	—	—	—	—	—	—	3	138,303	25.77
Tucson Electric Power Co																		
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	—	—	—	—	—	—	—	—	—	—
1990	167	100.0	10,192	13.0	.5	57.69	—	57.69	—	—	—	—	—	—	—	—	—	—
1991	73	100.0	10,293	12.3	.4	57.08	—	57.08	—	—	—	—	—	—	—	—	—	—
Union Electric Co																		
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
1990	10,222	73.3	10,837	8.5	1.9	34.60	27.78	32.78	—	—	—	—	—	—	—	83	137,000	31.95
1991	11,289	75.0	10,655	8.2	1.7	32.85	27.04	31.40	—	—	—	—	—	—	—	103	137,000	26.89
United Illuminating Co																		
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
1990	954	89.3	13,233	6.4	.5	57.14	49.77	56.35	5,285	81.3	151,490	1.0	19.02	17.86	18.80	7	139,292	31.04
1991	871	90.9	13,238	6.1	.5	58.52	45.54	57.35	4,132	94.6	151,758	1.0	15.70	13.90	15.60	14	138,994	26.63
United Power Assn																		
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	—	—	—	—	—	—	—	—	—	—
1990	1,085	100.0	6,881	8.6	.9	13.86	—	13.86	—	—	—	—	—	—	—	3	137,000	30.58
1991	1,017	100.0	6,805	8.8	.9	13.52	—	13.52	—	—	—	—	—	—	—	3	136,206	29.57

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Tennessee Valley Authority																
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	—
1990	—	—	—	—	—	—	867,080	1,095	—	100	*	—	1,110,452	1,104,270	6,182	—
1991	—	—	—	—	—	—	770,002	1,893	—	100	*	—	959,567	949,897	9,670	—
Terrebonne Parish Consol Govt																
1991	1,826	1,072	—	1.63	1.63	100.0	—	—	1,958	—	—	100	2,975	—	—	2,975
Texas Municipal Power Agency																
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	—
1990	—	—	—	—	—	—	34,347	14	—	100	*	—	51,728	51,678	49	—
1991	227	1,000	1.50	—	1.50	—	33,483	—	227	99	—	1	45,721	45,380	—	341
Texas New Mexico Power Co																
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
1990	466	1,040	1.85	—	1.85	—	7,712	—	485	94	—	6	11,262	10,400	—	863
1991	621	1,040	1.84	—	1.84	—	19,203	—	646	97	—	3	27,801	26,657	—	1,144
Texas Utilities Electric Co[5]																
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
1990	339,800	1,037	—	2.57	2.57	100.0	404,930	4,776	352,420	53	1	46	1,284,031	383,461	26,309	874,261
1991	333,262	1,032	—	2.55	2.55	100.0	416,207	1,543	344,092	55	*	45	1,288,980	430,176	7,426	851,378
Toledo Edison Co																
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
1990	15	1,025	—	3.45	3.45	100.0	34,331	25	16	100	*	*	67,218	67,052	113	53
1991	4	1,025	4.35	3.85	4.22	25.0	31,930	17	4	100	*	*	64,680	64,589	75	17
Tucson Electric Power Co																
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
1990	821	1,034	—	2.67	2.67	100.0	3,404	—	849	80	—	20	11,827	9,634	—	2,193
1991	2,021	1,029	—	2.35	2.35	100.0	1,503	—	2,080	42	—	58	8,911	4,167	—	4,744
Union Electric Co																
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
1990	613	1,017	2.02	—	2.02	—	221,543	478	624	100	*	*	338,959	335,068	2,651	1,240
1991	1,284	1,012	1.77	—	1.77	—	240,564	593	1,300	99	*	1	359,465	354,427	2,769	2,269
United Illuminating Co																
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
1990	2,920	1,033	3.04	—	3.04	—	25,248	33,668	3,016	41	54	5	162,218	53,757	99,582	8,879
1991	3,030	1,034	2.05	—	2.05	—	23,061	26,418	3,133	44	50	6	120,991	49,948	64,843	6,199
United Power Assn																
1987	—	—	—	—	—	—	13,990	—	—	100	—	—	14,222	14,222	—	—
1988	—	—	—	—	—	—	15,005	—	—	100	—	—	15,488	15,488	—	—
1989	—	—	—	—	—	—	13,285	—	—	100	—	—	13,235	13,235	—	—
1990	—	—	—	—	—	—	14,937	15	—	100	*	—	15,127	15,047	80	—
1991	—	—	—	—	—	—	13,837	17	—	100	*	—	13,832	13,742	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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
Upper Peninsula Generating Co																		
1987	1,425	—	9,981	7.3	0.6	—	39.21	39.21	—	—	—	—	—	—	—	—	—	—
Utah Power & Light Co																		
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																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	21	—	150,000	2.0	—	20.12	20.12	—	—	—
Vineland City of																		
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
1990	10	100.0	12,892	7.2	.7	55.46	—	55.46	111	100.0	150,578	.9	18.91	—	18.91	13	140,410	31.53
1991	32	100.0	12,758	6.8	.7	55.30	—	55.30	77	100.0	150,291	.9	17.11	—	17.11	8	138,598	25.30
Virginia Electric & Power Co																		
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
1990	9,645	71.5	12,574	11.2	1.4	39.09	33.66	37.54	2,479	70.5	147,161	1.0	24.04	18.06	22.28	299	140,000	34.11
1991	10,092	69.9	12,581	11.4	1.4	37.12	34.07	36.20	2,070	100.0	146,935	1.4	13.14	—	13.14	73	140,000	29.21
West Penn Power Co																		
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
1990	5,247	93.7	12,720	10.2	2.2	36.10	27.80	35.58	—	—	—	—	—	—	—	29	141,000	32.39
1991	5,536	93.1	12,786	10.1	2.2	37.15	25.26	36.33	—	—	—	—	—	—	—	22	141,000	29.33
West Plains Energy																		
1987	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1991	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
West Texas Utilities Co																		
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
1990	2,595	91.0	8,333	4.8	.3	28.69	22.34	28.12	—	—	—	—	—	—	—	14	138,497	36.06
1991	2,837	100.0	8,301	4.8	.3	26.68	—	26.68	—	—	—	—	—	—	—	18	139,286	28.38
Western Farmers Elec Coop Inc																		
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	—	—	—	—	—	—	—	—	—	—
1990	1,146	100.0	8,611	5.5	.4	34.17	—	34.17	—	—	—	—	—	—	—	—	—	—
1991	1,067	95.3	8,633	5.3	.4	34.59	50.15	35.32	—	—	—	—	—	—	—	—	—	—
Western Massachusetts Elec Co																		
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
1990	—	—	—	—	—	—	—	—	318	100.0	150,399	1.0	22.66	—	22.66	18	138,243	29.82
1991	—	—	—	—	—	—	—	—	108	81.1	152,860	.9	16.27	17.70	16.54	6	138,555	27.89

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 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Upper Peninsula Generating Co																
1987	—	—	—	—	—	—	28,445	—	—	100	—	—	55,870	55,870	—	—
Utah Power & Light Co																
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																
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
1990	2,851	1,025	2.97	2.73	2.78	76.7	—	—	2,922	—	—	100	7,934	—	—	7,934
1991	2,010	1,025	2.20	2.62	2.51	72.6	—	132	2,060	—	6	94	5,462	—	422	5,040
Vineland City of																
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	—
1990	—	—	—	—	—	—	246	782	—	24	76	—	3,051	529	2,522	—
1991	—	—	—	—	—	—	827	530	—	61	39	—	3,305	1,793	1,512	—
Virginia Electric & Power Co																
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
1990	[3] 1,094	1,041	2.69	—	2.69	—	242,545	17,081	1,139	93	7	*	430,462	362,092	65,429	2,941
1991	[3] 8,096	1,044	1.90	—	1.90	—	253,938	13,206	8,451	92	5	3	410,100	365,357	29,345	15,398
West Penn Power Co																
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
1990	37	1,000	3.37	—	3.37	—	133,476	170	37	100	*	*	187,716	186,663	928	125
1991	28	1,000	3.87	—	3.87	—	141,558	131	28	100	*	*	201,866	201,108	650	107
West Plains Energy																
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
1990	3,954	976	1.32	2.06	1.50	24.8	—	—	3,858	—	—	100	5,943	—	—	5,943
1991	5,657	964	1.18	2.03	1.44	30.4	—	—	5,451	—	—	100	8,132	—	—	8,132
West Texas Utilities Co																
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
1990	36,595	1,034	2.06	2.00	2.05	8.3	43,255	80	37,830	53	*	47	148,638	72,977	498	75,162
1991	40,828	1,019	1.88	1.84	1.87	9.5	47,105	104	41,584	53	*	47	152,625	75,710	503	76,412
Western Farmers Elec Coop Inc																
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
1990	4,204	1,049	1.60	2.68	1.83	21.2	19,728	—	4,409	82	—	18	46,848	39,149	—	7,699
1991	18,854	1,023	1.48	2.25	1.60	15.5	18,430	—	19,297	49	—	51	67,833	37,698	—	30,135
Western Massachusetts Elec Co																
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
1990	2,199	1,030	2.59	—	2.59	—	—	2,119	2,264	—	48	52	13,464	—	7,766	5,698
1991	1,266	1,021	2.22	—	2.22	—	—	729	1,292	—	36	64	4,772	—	1,961	2,812

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

Table 44. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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																		
1987	6,668	84.6	9,771	6.2	0.8	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
1990	8,268	99.7	10,047	6.0	.8	26.06	43.29	26.10	—	—	—	—	—	—	—	45	138,980	32.59
1991	8,487	99.6	9,938	5.8	.8	25.68	42.09	25.74	—	—	—	—	—	—	—	56	139,059	25.26
Wisconsin Power & Light Co																		
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	—	—	—	—	—	—	—	—	—	—
1990	6,549	54.4	9,223	6.8	.7	30.78	19.46	25.62	—	—	—	—	—	—	—	—	—	—
1991	6,968	47.8	9,162	6.6	.7	31.28	20.07	25.43	—	—	—	—	—	—	—	8	140,000	23.93
Wisconsin Public Service Corp																		
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
1990	2,143	78.3	9,960	6.7	1.0	35.82	26.02	33.70	—	—	—	—	—	—	—	4	138,000	27.54
1991	2,395	69.0	9,951	6.9	.9	37.25	26.15	33.81	—	—	—	—	—	—	—	9	138,000	35.05
Wyandotte Municipal Serv Comm																		
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	—	—	—	—	—	—	—	—	—	—
1990	139	100.0	13,179	7.3	.7	50.08	—	50.08	—	—	—	—	—	—	—	—	—	—
1991	114	100.0	13,415	5.1	.9	50.29	—	50.29	—	—	—	—	—	—	—	—	—	—

Year	Coal								Heavy Oil							Light Oil		
	Receipts		Average Quality			Average Cost (dollars per ton)			Receipts		Average Quality		Average Cost (dollars per bbl)			Receipts	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		
1987	721,298	84.6	10,569	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	727,775	86.3	10,451	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	753,217	82.4	10,425	9.9	1.3	30.38	29.07	30.15	237,668	74.0	149,952	1.0	18.01	17.69	17.92	8,754	138,542	24.90
1990	786,627	82.5	10,465	9.9	1.3	30.74	29.11	30.45	202,281	72.2	150,109	1.0	21.02	20.69	20.93	7,070	138,559	31.34
1991	769,923	85.1	10,378	9.8	1.3	30.55	27.02	30.02	163,106	67.0	150,803	1.1	15.71	15.42	15.61	6,518	138,489	28.07

* = Number less than 0.5

[1] Data for 1991 include receipts at combined-cycle gas turbines; see Table B3 for more information.

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

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

[4] Data for Florida Power and Light Company do not include 1991 receipts of 1.4 million barrels of bitumen at a cost of $7.27 per barrel (or 161.1 cents per million Btu).

[5] Data for Texas Utilities Electric Company include an estimate of 2.9 million short tons for the Aluminum Company of America (ALCOA) portion of the lignite delivered to Unit 4 of the the Sandow Plant.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for electric generating plants with a total 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. Profile of Fossil-Fuel Receipts, 1987-1991 (Continued)

Utility Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Wisconsin Electric Power Co																
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
1990	665	1,011	2.85	2.82	2.85	1.3	166,135	263	673	99	*	*	219,183	215,823	1,467	1,893
1991	613	1,014	2.62	—	2.62	—	168,700	329	621	99	*	*	221,521	218,493	1,422	1,606
Wisconsin Power & Light Co																
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
1990	74	1,002	2.44	—	2.44	—	120,792	—	74	100	—	*	167,955	167,775	—	180
1991	205	1,003	2.28	—	2.28	—	127,686	45	206	100	*	*	177,860	177,210	181	468
Wisconsin Public Service Corp																
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
1990	333	1,005	2.98	—	2.98	—	42,687	23	335	99	*	1	73,313	72,209	110	994
1991	258	1,005	3.28	3.69	3.48	49.2	47,665	52	259	99	*	1	82,197	80,984	315	898
Wyandotte Municipal Serv Comm																
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
1990	2	1,554	2.75	6.14	4.27	44.9	3.658	—	2	100	—	*	6,957	6,951	—	6
1991	*	1,000	2.75	—	2.75	—	3,047	—	*	100	—	*	5,713	5,712	—	1

Year	Natural Gas[1]						Total Receipts						Total Fuel Cost			
	Receipts (1,000 Mcf)	Btu per Cu Ft	Average Cost (dollars per Mcf)			Percent Firm/ Total	Billion Btu			Percent of Total Btu			Thousand Dollars			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
1987	2,605,191	1,032	2.322.30	2.31	51.5	15,246,404	1,231,490	2,687,832	80	6	14	32,687,938	22,959,892	3,708,480	6,019,566	
1988	2,362,721	1,028	2.472.22	2.33	56.1	15,211,850	1,488,899	2,429,551	80	8	13	31,431,997	22,301,523	3,631,493	5,498,980	
1989	2,472,506	1,028	2.502.34	2.42	49.4	15,704,703	1,547,765	2,541,582	79	8	13	33,169,584	22,706,288	4,477,763	5,985,532	
1990	2,490,979	1,027	2.482.27	2.38	44.8	16,464,431	1,316,437	2,558,303	81	6	13	34,347,867	23,954,704	4,454,530	5,938,633	
1991	2,630,818	1,024	2.222.19	2.20	47.0	15,980,106	1,070,986	2,693,391	81	5	14	31,644,461	23,115,791	2,729,339	5,799,331	

* = Number less than 0.5

[1] Data for 1991 include receipts at combined-cycle gas turbines; see Table B3 for more information.

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

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

[4] Data for Florida Power and Light Company do not include 1991 receipts of 1.4 million barrels of bitumen at a cost of $7.27 per barrel (or 161.1 cents per million Btu).

[5] Data for Texas Utilities Electric Company include an estimate of 2.9 million short tons for the Aluminum Company of America (ALCOA) portion of the lignite delivered to Unit 4 of the the Sandow Plant.

Notes: • Totals may not equal sum of components because of independent rounding. • As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. • Data for 1987-1990 are for electric generating plants with a total 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

Flue Gas Desulfurization Capacity, 1990

Appendix A

Flue Gas Desulfurization Capacity, 1990

When fossil fuels are burned in the production of electricity, a variety of gases (as well as particulates) are formed. If these gases (and particulates) are not captured by some type of pollution control equipment, they are released into the atmosphere. This appendix provides a brief description of these gaseous emissions and presents data on the operating capacity of power plants in the United States with flue gas desulfurization (FGD) units (Table A1).[10]

Among the gases emitted during the burning of fossil fuels are sulfur dioxide, nitrogen oxides, and carbon dioxide. During the combustion of fossil fuels, the sulfur contained in the fossil fuels combines with the oxygen in the air to form sulfur dioxide. Nitrogen is a colorless, odorless gas (approximately 78 percent of the atmosphere) that combines with oxygen and water to form nitrogen oxides. Under the right conditions, sulfur dioxide and nitrogen oxides react with atmospheric chemicals to form sulfuric acid and nitric acid, respectively. As a result, sulfur dioxide and nitrogen oxides are often referred to as precursors of acid deposition. Coal-fired generating units produce more sulfur dioxide and nitrogen oxides than other fossil-fueled units.

Almost all coal contains sulfur, although some kinds contain more than other kinds (depending on the mine location and kind of coal being mined). Western coal typically contains less sulfur than eastern coal. More than 50 percent of western coal is subbituminous coal with a low-sulfur content (less than 0.5 percent) and contains approximately 9,000 Btu per pound. Eastern coal (bituminous coal) has a sulfur content usually in excess of 0.8 percent and a Btu content averaging approximately 12,000 Btu per pound. The average sulfur content of coal mined in the United States ranges from a low of 0.3 percent for western coal to a high of 4.5 percent for some eastern coal.

To a lesser degree, sulfur is also contained in petroleum, varying based on type of petroleum (for example, light or heavy oil). The average sulfur content per barrel of petroleum used by steam-electric plants ranges from a low of 0.05 percent in California to a high of 2.75 percent for some electic plants located in the eastern United States. Gas contains no significant amounts of sulfur.

Emission of sulfur dioxide into the atmosphere by electric utilities can be reduced by using a low-sulfur coal or by using an alternate fuel with a lower sulfur content, such as gas. Another method is to use pollution control equipment designed to remove sulfur dioxide from the flue gas released through the flues of the plant. Other methods are currently under study and are not in extensive use.

FGD units are among the most significant types of environmental equipment used by U.S. electric utilities. (Particulate collectors and cooling towers are two other important types.) In an FGD unit (or scrubber), the gases resulting from combustion are passed through tanks containing a material that captures and neutralizes the sulfur dioxide.

[10]For a more detailed discussion on emissions and information on the costs related to environmental equipment, see the Energy Information Administration *Electric Power Annual* DOE/EIA-0348(90).

Table A1. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1990

Utility Plant and FGD 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							
Lowman 2	532	233	7903	1.90	Spray	Limestone	85.0
Lowman 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	-	195	7901	.70	Packed	Limestone	85.0
Arizona Public Service							
Cholla 1	1,105	114	7312	1.00	Venturi	Limestone	85.0
Cholla 2	-	289	7806	1.20	Venturi	Limestone	99.0
Cholla 4	-	414	8106	1.20	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 FGD3	1,135	670	8207	4.80	Spray	Limestone	91.1
Basin Electric Power Coop							
Antelope Valley FGD1	870	435	8307	1.20	SprayDry	Lime/Alkaline Flyash	81.0
Antelope Valley FGD2	-	435	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 Electric Corp							
D. B. Wilson W1	509	509	8701	3.80	Spray	Limestone	90.0
R. D. Green G1	527	264	7912	4.00	Spray	Lime	90.0
R. D. Green G2	-	264	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	850	425	8506	.70	SprayDry	Lime/Alkaline Flyash	61.3
Springerville 2	-	425	8506	.70	SprayDry	Lime	61.3
Cincinnati Gas and Electric Co							
East Bend 2	669	669	8103	5.20	SprayDry	Alkaline Flyash	99.0
City Utilities of Springfield							
Southwest 1	194	194	7704	3.20	Tray	Limestone	87.0
Colorado-Ute Electric Assn							
Craig C1	1,339	446	8010	.40	Spray	Limestone	85.0
Craig C2	-	446	8005	.40	Spray	Limestone	85.0
Craig C3	-	446	8410	.40	SprayDry	Lime	85.0
Columbus Southern Power Co							
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
Delmarva Power and Light							
Delaware City SCB1	140	65	8001	-	Tray	Sodium Sulfite	92.0

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

Table A1. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1990 (Continued)

Utility Plant and FGD 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					
Delmarva Power and Light							
Delaware City SCB2	-	-	8001	-	Tray	Sodium Sulfite	92.0
Delaware City SCB3	-	-	8001	-	Tray	Sodium Sulfite	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	7408	2.50	Venturi	Lime	83.0
East Kentucky Power Coop							
Spurlock 2	814	508	8306	3.60	SprayDry	Lime	90.0
Grand Haven Light & Power							
J.B. Sims 3	78	58	8305	2.80	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 1FGD	1,080	540	8309	3.00	Spray	Limestone	90.0
Merom 2FGD	-	540	8202	3.00	Spray	Limestone	90.0
Houston Lighting and Power							
Limestone FGD1	1,627	813	8511	3.10	Spray	Limestone	90.0
Limestone FGD2	-	813	8611	3.10	Spray	Limestone	90.0
W.A. Parish FGD8	3,953	615	8212	.50	Spray	Limestone	85.0
Indianapolis Power and Light							
Petersburg 3	1,873	574	7711	4.50	Tray	Limestone	85.0
Petersburg 4	-	574	8604	4.50	Spray	Limestone	95.0
Jacksonville Electric Authority							
St Johns River 1	1,358	679	8703	2.20	Spray	Limestone	90.0
St Johns River 2	-	679	8805	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	264	75	7510	3.80	Venturi	Lime	80.0
Lakeland Dept of Elec Wtr Utils							
Mcintosh 3	539	334	8209	1.80	Spray	Limestone	85.0
Los Angeles Dept of Water & Pwr							
Intermountain 1CCC	1,784	892	8607	.30	Spray	Limestone	90.0
Intermountain 2CCC	-	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	1,717	356	8112	6.00	Spray	Limestone	90.0
Mill Creek 2	-	356	8012	6.00	Spray	Limestone	90.0
Mill Creek 3	-	463	8510	5.00	Spray	Limestone	90.0
Mill Creek 4	-	544	8207	6.30	Spray	Limestone	90.0

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

Table A1. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1990 (Continued)

Utility Plant and FGD 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	2.20	Spray	Limestone	90.0
Minnesota Power and Light							
Clay Boswell SCR3	1,073	365	7302	1.00	Spray	Line/Alkaline Flyash	25.4
Clay Boswell AQCS2	-	558	8004	1.00	Spray	Alkaline Flyash	83.2
Syl Laskin 1 SCR1	116	58	7105	1.00	Spray	Alkaline Flyash	-
Syl Laskin 2 SCR2	-	58	7105	1.00	Spray	Alkaline Flyash	-
Minnkota Power Coop							
Milton Young FGD2	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 FGD1	450	450	8105	.80	SprayDry	Sodium Carbonate	70.0
Muscatine Power and Water							
Muscatine 9	276	176	8306	3.20	Spray	Limestone	96.0
Nevada Power							
Reid Gardner 1	612	114	7404	.50	Spray	Sodium Carbonate	90.5
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							
Kintigh	655	655	8408	3.60	Spray	Limestone	90.0
Northern Indiana Public Service							
Schahfer 17	1,943	424	8304	3.20	Spray	Other	90.0
Schahfer 18	-	424	8602	3.20	Spray	Other	90.0
Northern States Power							
Riverside 7	404	165	8101	1.30	SprayDry	Lime/Alkaline Flyash	70.0
Sherburne 1	2,129	660	7605	.90	Venturi	Limestone/Alk Flyash	50.0
Sherburne 2	-	660	7704	.90	Spray	Limestone/Alk Flyash	50.0
Sherburne 3	-	809	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 SC71	2,242	561	9009	1.00	Tray	Soda Liquor Waste	86.4
Jim Bridger SC72	-	561	8609	1.00	Tray	Soda Liquor Waste	86.4
Jim Bridger SC73	-	561	8809	1.00	Tray	Soda Liquor Waste	86.4
Jim Bridger SC74	-	561	7911	1.00	Tray	Soda Liquor Waste	91.0
Wyodak SC91	362	362	8612	.80	SprayDry	Lime	75.2
Hunter 1	1,339	446	7806	.60	Spray	Lime	80.0
Hunter 2	-	446	8006	.60	Spray	Lime	80.0
Hunter 3	-	446	8306	.60	Spray	Limestone	90.0
Huntington 1	893	446	7802	.60	Spray	Lime	80.0
Naughton 3	707	326	8110	.80	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 A1. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1990 (Continued)

Utility Plant and FGD 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					
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 101	285	285	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 FGD1	822	411	7912	1.00	Spray	Limestone	82.5
Coronado FGD2	-	411	8011	1.00	Spray	Limestone	82.5
San Miguel Electric							
San Miguel SM-1	410	410	8201	2.00	Spray	Limestone	86.0
Seminole Electric Coop							
Seminole 1	1,304	652	8402	3.00	Spray	Limestone	86.0
Seminole 2	-	652	8501	3.00	Spray	Limestone	86.0
Sierra Pacific Power							
North Valmy 2	521	267	8507	.50	SprayDry	Lime	70.0
Sikeston Brd of Mun Utilities							
Sikeston 1	261	261	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	721	721	8501	1.50	Spray	Limestone	85.0
Soyland Power Coop							
Pearl Station 1A	22	22	7611	3.20	Tray	Limestone	87.0

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

Table A1. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1990 (Continued)

Utility Plant and FGD 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					
Springfield Wtr Lt and Pwr Dept							
Dallman 33	388	207	8012	3.30	Packed	Limestone	95.0
Sunflower Electric Coop Inc							
Holcomb SDA1	349	349	8308	1.00	SprayDry	Lime/Alkaline Flyash	80.0
Holcomb SDA2	-	-	8308	1.00	SprayDry	Lime/Alkaline Flyash	80.0
Holcomb SDA3	-	-	8308	1.00	SprayDry	Lime/Alkaline Flyash	80.0
Tampa Electric							
Big Bend FGD4	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
Widows Creek 7	1,969	575	8112	4.00		Limestone	83.4
Widows Creek 8	-	550	7801	4.50	Spray	Limestone	80.0
Texas Municipal Power							
Gibbons Creek 1	444	444	8310	2.30	Tray	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							
Elk River 1	46	46	8903	-	SprayDry	Lime	90.0
Stanton 10	172	172	8206	.70	SprayDry	Lime	70.0
West Penn Power (APS)							
Mitchell 33	449	299	8208	3.00	SprayDry	Lime	95.0
West Texas Utilities							
Oklaunion 1	720	720	8612	.40	Spray	Limestone	86.8

Notes: • Data for 1991 are not available. • SO2 = Sulfur Dioxide.
Source: Energy Information Administration, Form EIA-767, "Steam-Electric Plant Operation and Design Report."

Appendix B

Coal-Producing Districts, Electric Utilities Reporting on the FERC Form 423, and Gas Receipts at Combined-Cycle Plants

Appendix B

Coal-Producing Districts, Electric Utilities Reporting on the FERC Form 423, and Gas Receipts at Combined-Cycle Plants

A complete list of the Bureau of Mines (BOM) coal-producing Districts is provided in Table B1 of this appendix. The table also includes the States within each BOM District and a brief description of the associated counties and mines.

This appendix also contains a list of the electric utilities that reported on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," from 1987 through 1991. Some of these utilities may not have reported in some years due to either unit retirements or derating of their units below the minimum threshold of 50 or more megawatts of steam-electric capacity. Data provided in this report for some electric utilities may be shown under more than one utility name because of a change in ownership, plant operator, or merger. For example, data for the Narragansett Electric Company are shown under the New England Power Company.

In addition, a list of combined-cycle gas turbine electric plants and a estimate of receipts of gas for each plant is provided in Table B3.

Table B1. 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 B1. 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.
	Louisiana	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.

Table B2. Electric Utilities Reporting on the FERC Form 423 by State

State	Electric Utility (Holding Company)
Alabama	Alabama Electric Coop Inc
	Alabama Power Co
	Tennessee Valley Authority
Alaska	Anchorage City of
	Chugach Electric Assn
Arizona	Arizona Electric Pwr Coop Inc
	Arizona Public Service Co
	Century Power Cooperative
	Salt River Proj Ag I & P Dist
	Tucson Electric Power Co
Arkansas	Arkansas Power & Light Co (MSU)
	Southwestern Electric Power Co (CSW)
California	Burbank City of
	Glendale City of
	Imperial Irrigation District
	Los Angeles City of
	Pacific Gas & Electric Company
	Pasadena City of
	San Diego Gas & Electric Co
	Southern California Edison Co
Colorado	Colorado Springs City of
	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 Inc.
	Iowa Public Service Co
	Iowa Southern Utilities Co
	Iowa-Illinois Gas & Electric Co
	Muscatine City of
Kansas	West Plains Energy
	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)
	Morgan City City of
	New Orleans Public Service Inc (MSU)
	Ruston City of
	Southwestern Electric Power Co (CSW)
	Terrebonne Parish Consolidated Govt
Maine	Bangor Hydro-Electric Co
	Central Maine Power Co
Maryland	Baltimore Gas & Electric Co
	Delmarva Power & Light Co Inc
	Potomac Edison Co (APS)
	Potomac Electric Power Co
Massachusetts	Boston Edison Co
	Braintree City of
	Cambridge Electric Light Co (NEGA)
	Canal Electric Co
	Commonwealth Electric Co (NEGA)
	Holyoke Water Power Co (NU)
	Massachusetts Municipal Wholesale
	Montaup Electric Co
	New England Power Co (NEES)
	Taunton City of
	Western Massachusetts Elec Co (NU)
Michigan	Consumers Power Co
	Detroit Edison Co
	Detroit City of
	Grand Haven City of
	Holland City of
	Lansing City of
	Marquette City of
	Michigan South Central Pwr Agy
	Wisconsin Electric Power Co
	Wyandotte Municipal Serv Comm
Minnesota	Interstate Power Co
	Minnesota Power & Light Co
	Northern States Power Co
	Otter Tail Power Co
	Rochester City of
Mississippi	Mississippi Power Co (SC)

Table B2. Electric Utilities Reporting on the FERC Form 423 by State (Continued)

State	Electric Utility (Holding Company)
	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
	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
	El Paso Electric 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
	Fayetteville Public Works Comm
North Dakota	Basin Electric Power Coop
	Coop Power Assn
	Minnkota Power Coop Inc
	Montana-Dakota Utilities Co
	United Power Assn
Ohio	American Municipal Power Ohio
	Cardinal Operating Co (AEP)
	Cincinnati Gas & Electric Co
	Cleveland Electric Illum Co
	Columbus Southern Power Co
	Columbus City of
	Dayton Power & Light Co
	Hamilton City of
	Ohio Edison Co
	Ohio Power Co (AEP)
	Ohio Valley Electric Corp
	Orrville Municipal Utilities
	Painesville City of
	Toledo Edison Co
Oklahoma	Grand River Dam Authority
	Oklahoma Gas & Electric Co
	Public Service Co of Oklahoma (CSW)
	Western Farmers Elec Coop Inc
Oregon	Portland General Electric Co
Pennsylvania	Duquesne Light Co
	Metropolitan Edison Co (GPS)
	Pennsylvania Electric Co (GPS)
	Pennsylvania Power & Light Co
	Pennsylvania Power Company
	Philadelphia Electric Company
	West Penn Power Co (APS)
Rhode Island	New England Power Co (NEES)
South Carolina	Carolina Power & Light Co
	Duke Power Co
	South Carolina Electric&Gas Co
	South Carolina Pub Serv Auth
South Dakota	Northern States Power
	Otter Tail Power Co
Tennessee	Tennessee Valley Authority
Texas	Austin City of
	Brazos Electric Power Coop Inc
	Bryan City of
	Central Power & Light Co (CSW)
	Denton City of
	El Paso Electric Co
	Garland City of
	Greenville City of
	Gulf States Utilities Co
	Houston Lighting & Power Co
	Lower Colorado River Authority
	Lubbock City of
	Medina Electric Coop Inc
	San Antonio City of
	San Miguel Electric Coop Inc
	Southwestern Electric Power Company (CSW)
	Southwestern Public Service Co
	Texas Municipal Power Agency
	Texas New Mexico Power Co
	Texas Utilities Electric Co
	West Texas Utilities Co (CSW)
Utah	Deseret Generation and Tran Coop
	Los Angeles City of
	PacifiCorp
Virginia	Appalachian Power Co (AEP)
	Potomac Electric Power Co
	Virginia Electric & Power Co
Washington	PacifiCorp
	Puget Sound Power & Light Co
	Tacoma Public Utilities
West Virginia	Appalachian Power Co (AEP)
	Central Operating Co (AEP)
	Monongahela Power Co (APS)
	Ohio Power Co(AEP)
	Virginia Electric & Power Co
Wisconsin	Dairyland Power Coop
	Madison Gas & Electric Co
	Manitowoc 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."

Table B3. Receipts of Gas at Combined-Cycle Gas Turbines by Company and Plant, 1991

Company	Plant	Receipts (Thousand Mcf)[1]	State
Anchorage, City of	Sullivan	5,022	Alaska
Arizona Electric Power Coop Inc	Apache	668	Arizona
Arizona Public Service	Phoenix	3,966	Arizona
Braintree, City of	Potter Station 2	1,698	Massachusetts
Burbank, City of	Olive	9	California
Chugach Electric Association	Beluga	13,700	Alaska
El Paso Electric	Newman	8,936	Texas
Fayetteville Public Works Comm	Butler Warner	2,932	North Carolina
Fort Pierce, City of	H D King	1,857	Florida
Glendale Public Service Dept	Glendale	536	California
Houston Lighting and Power	Wharton	9,590	Texas
Jersey Central Pwr and Lt (GPS)	Gilbert	5,780	New Jersey
Lake Worth Utilities	Tom G Smith	1,333	Florida
Massachusetts Mun Whsle Elec Co	Stony Brook	6,175	Massachusetts
Oklahoma Gas and Electric	Horseshoe Lake	1,998	Oklahoma
Portland General Electric	Beaver	10,940	Oregon
Public Serv Co of Oklahoma (CSW)	Comanche (CS)	11,734	Oklahoma
Salt River Project	Santan	1,170	Arizona
South Carolina Electric and Gas	Parr	9	South Carolina
Southern California Edison	Cool Water	7,040	California
Southern California Edison	Long Beach	2,975	California
St Joseph Light and Power	Lakeroad	159	Missouri
Taunton Municipal Lighting Plant	Cleary	546	Massachusetts
Virginia Electric and Power	Chesterfield	7,546	Virginia
West Texas Utilities (CSW)	Rio Pecos	964	Texas
West Texas Utilities (CSW)	San Angelo	2,941	Texas
Western Farmers Electric Coop	Anadarko	14,485	Oklahoma
U.S. Total		**124,708**	

[1] Data on receipts of gas at combined-cycle gas turbines are not directly collected on the FERC Form 423. They are estimated at the plant level by prorating based on Form EIA-759 gas consumption data as follows: (CCGT/(CCGT+CCST+ST)) X total gas receipts, where CCGT = combined-cycle gas turbines, CCST = combined-cycle steam units, ST = steam units, and receipts = plant level gas receipts.

Notes: • Total may not equal sum of components because of independent rounding.• Mcf = thousand cubic feet.

Sources: **Receipts:** Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." **Consumption:** Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report."

Appendix C

References

Appendix C

References

1. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Electric Power Annual,* DOE/EIA-0348(90) (Washington DC, 1992).
2. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Electric Power Monthly,* DOE/EIA-0226(92) (Washington DC, 1992).
3. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Inventory of Power Plants in the United States,* DOE/EIA-0095(90) (Washington DC, 1991).
4. Energy Information Administration, Office of Energy Markets and End Use, *Monthly Energy Review,* DOE/EIA-0035(92) (Washington DC, 1992)

Appendix D

Technical Notes

Appendix D

Technical Notes

Sources of Data

The annual report, *Cost and Quality of Fuels for Electric Utility Plants, (C&Q)* is prepared by the Survey Management Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA); U.S. Department of Energy (DOE). Statistics published in the *C&Q* are based on data collected on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; 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 230 electric utilities for each fossil-fuel plant whose total steam turbine electric generating capacity and/or combined-cycle (steam and associated gas turbines) generating capacity is 50 or more megawatts.

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

Data Processing. A 12-month supply of the FERC Form 423 is mailed to respondents annually by the EIA. Completed forms are due on or before the 45th day following the end of the reporting month. 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 organic- or nuclear-fueled steam-electric nameplate capacity of 10 or more megawatts. The entire form, including generation data and environmental equipment, is filed by 700 power plants with a nameplate capacity of 100 or more megawatts. An additional 200 power plants with a nameplate capacity between 10 and 100 megawatts submit information only on fuel consumption and quality, boiler/ generator configuration, and flue-gas desulfurization equipment, if applicable. 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 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 predeces-

sor 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, 5, 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.

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

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

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

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

For these formulas:

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

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

Rounding Rules for Data

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

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, Survey Management Division.

A comparison of preliminary data published in the *Electric Power Monthly* versus final published data is provided in Table D1.

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 D1. Comparison of Preliminary Versus Final Published Data at the National Level, 1991

Item	Preliminary	Final	Percent Change
Receipts			
Coal (1,000 short tons)	766,562	769,923	0.44
Petroleum (1,000 barrels)	169,593	169,625	.02
Gas (million cubic feet)	2,630,372	2,630,818	.02
Average Cost (cents per million Btu)			
Coal	144.7	144.7	.00
Petroleum	254.7	254.8	.04
Gas	215.3	215.3	.00

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

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

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

Glossary

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

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

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

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

Bbl: The abbreviation for barrel.

Bcf: The abbreviation for 1 billion cubic feet.

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

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

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

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

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

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

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

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

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

Coal-Producing Districts: A classification of coal fields defined in the Bituminous Coal Act of 1937. The districts were originally established to aid in formulating minimum prices of bituminous and subbituminous coal and lignite. Because much statistical information was compiled in terms of these districts, their use for statistical purposes has continued since the abandonment of that legislation in 1943. District 24 was added for the anthracite-producing district in Pennsylvania.

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

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

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

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

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

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

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

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

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

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

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

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

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce

heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Internal Combustion Plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-

fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

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

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

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

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

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

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts.

Megawatthour (MWh): One million watthours.

MMcf: One million cubic feet.

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

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

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

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

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

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

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

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

Petroleum Coke: See Coke (Petroleum).

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

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

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

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

Receipts: Deliveries of fuel to an electric plant.

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

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

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

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

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

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

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

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

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

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

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

Underground Mine: A mine where coal is produced by tunneling into the earth to the coalbed, which is then mined with underground mining equipment such as cutting machines and continuous, longwall, and

shortwall mining machines. Underground mines are classified according to the type of opening used to reach the coal, i.e., drift (level tunnel), slope (inclined tunnel), or shaft (vertical tunnel).

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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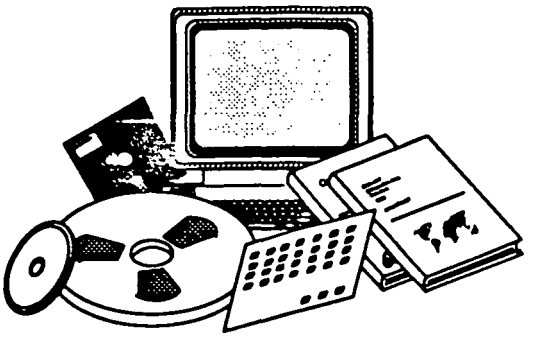

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Oxygenate data
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Weekly Petroleum Status Report
Updated on Wednesdays (Thursdays in the event of a holiday) at 5 p.m.

Petroleum Supply Monthly
Updated on the 20th of the month.

Petroleum Marketing Monthly
Updated on the 20th of the month.

Natural Gas Monthly
Updated on the 20th of the month.

Weekly Coal Production
Updated on Fridays at 5 p.m.

Quarterly Coal Report
Updated 60 days after the end of the quarter.

Electric Power Monthly
Updated on the 1st of the month.

Monthly Energy Review
Updated the last week of the month.

Short-Term Energy Outlook
Updated 60 days after the end of the quarter.

Winter Fuels Report (October through April)
Updated every Thursday at 5 p.m.

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