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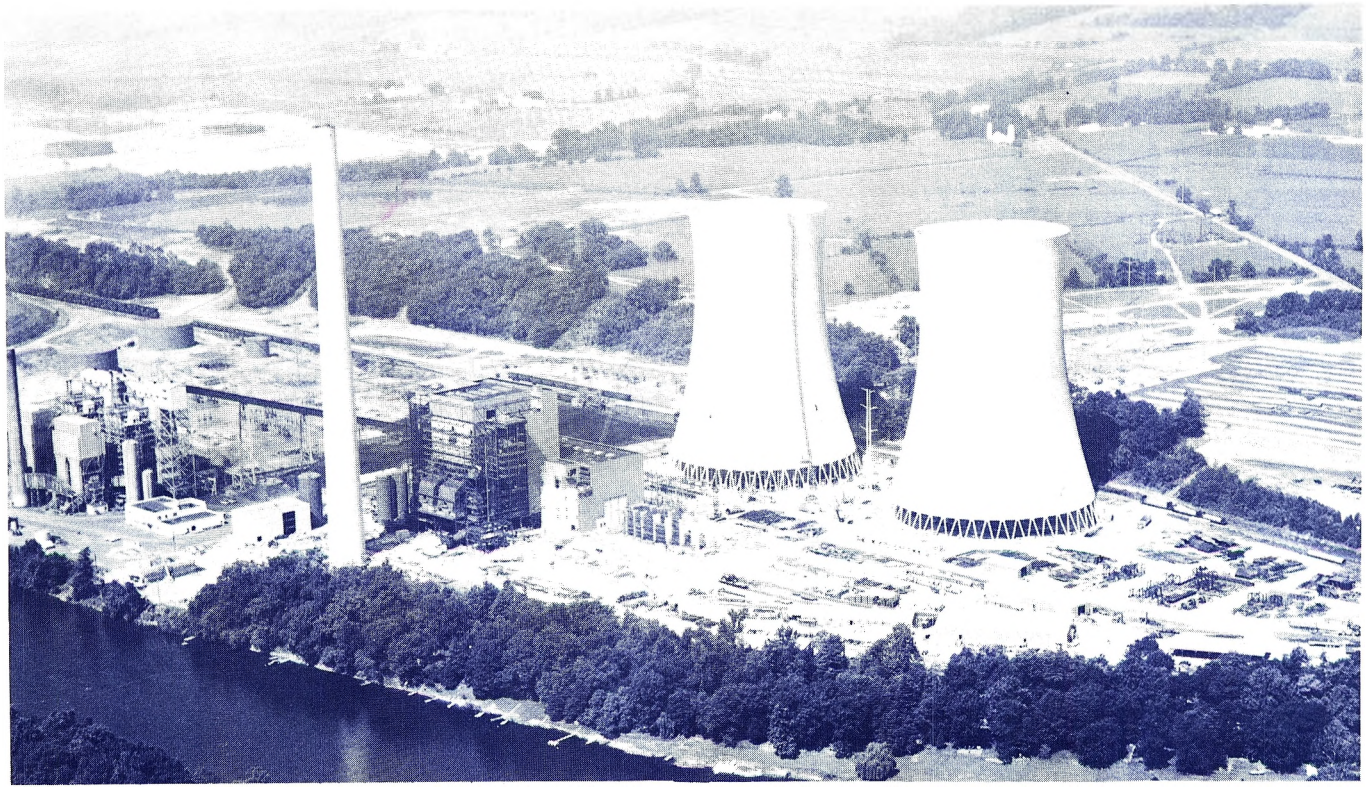

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Cost and Quality of Fuels for Electric Utility Plants 1986

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

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Introduction

Introduction

The *Cost and Quality of Fuels for Electric Utility Plants Annual (C&QA)* is prepared by the Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration (EIA), U. S. Department of Energy. The *C&QA* includes comprehensive information about the electric utility industry in the United States. Additional information can be obtained by writing or calling the National Energy Information Center, EI-231; Forrestal Building; Washington DC 20585; (202) 586-8800.

In addition to the *Cost and Quality of Fuels for Electric Utility Plants Annual,* the EIA publishes electric power data in the *Electric Power Annual (EPA)* (1), the *Electric Power Quarterly (EPQ)* (3), and the *Electric Power Monthly (EPM)* (2). The summarized data contained in this report are presented for the use of a wide audience including Congress, Federal and State agencies, the electric utility industry, and the general public. The data presented in this report were collected and published by the EIA, to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93-275) as amended.

Coverage of Source

This report contains annual information on the cost and quality of fossil-fuel receipts to electric utility plants in the contiguous United States, Alaska, Hawaii, and the District of Columbia with a combined steam installed nameplate capacity of 50 megawatts or larger. A 100 percent response rate is obtained. In 1986, the following electric plants began reporting fuel receipts on FERC Form 423.

Bonanza (Deseret Generation & Tran Coop)

Intermountain (Los Angeles City of)

Oklaunion (West Texas Utilities Co)

St. Johns River (Jacksonville Electric Auth)

Wyandotte (Wyandotte Municipal Serv Comm)

Source of Data

Data published in the *Cost and Quality of Fuels for Electric Utility Plants Annual* are compiled from the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," filed monthly by electric utilities with the EIA. For a description of the data submitted on this form, see Section 1.5 of the "Technical Notes."

Adjustments to Collected Data

No adjustments have been made to the collected data. Procedures for obtaining a 100 percent response rate are described in Section 1.3 of the "Technical Notes." Monthly and quarterly data are preliminary and subject to revision. Data published in this report are final.

Glossary

A glossary of terms used in this report has been included to assist nontechnical as well as technical users in understanding the statistical data in this publication.

Technical Notes

The "Technical Notes" section contains a detailed description of the data collection system used in preparing this publication. The notes provide explanations of data quality, conversion formulas, and rules for rounding the data. A map of the Census Divisions is also included. Copies of these data are available to the public. See Section 4 of the "Technical Notes" for further information. All costs in this report are weighted-average costs. The algorithms used in calculating cost data can be found in Section 2.1 of the "Technical Notes."

References

The "References" section is a description of related publications and is located at the end of the "Technical notes."

Highlights

Highlights

Electric utilities received a record 687.0 million short tons of coal in 1986, surpassing the previous record of 684.1 million short tons set in 1984. Receipts of coal increased over 20 million short tons from 1985. Petroleum receipts were 228.5 million barrels, up significantly from the 164.9 million barrels reported in 1985. A large decline in petroleum prices during the first seven months of 1986 (Table HL6) led to higher demand of No. 6 fuel oil by electric utilities. Gas receipts totaled 2,437.8 billion cubic feet (Bcf), a decrease of over 400.0 Bcf from 1985 totals.

Coal

Over 15 percent of the increase in coal receipts at electric utilities in 1986 resulted from five coal-fired plants that began reporting coal receipts for the first time in 1986. The coal receipts (in thousand short tons) for these plants are: Bonanza (Deseret Generation & Transmission Cooperative), 654.8; St. Johns River (Jacksonville Electric Authority), 204.0; Intermountain (City of Los Angeles), 1,427.5; Oklaunion (West Texas Utilities), 719.0; and Wyandotte (Wyandotte Municipal Service Commission), 90.7.

Two large lignite-fired plants, with 1986 their first full year of reporting, contributed almost 31 percent of the increase in 1986 coal receipts over 1985 receipts. The plants are: Dolet Hills (Central Louisiana Electric), and Limestone (Houston Lighting & Power Company). Total receipts for these two plants in 1986 was 6.3 million short tons versus 0.5 million short tons in 1985.

Five coal-fired units at existing plants began operation in 1986. Since data are collected at the plant level, the additional amount of coal required to fuel these units cannot be determined. The units are: A B Brown (Southern Indiana Gas & Electric Company), Asbury (Empire District Electric Company), GRDA (Grand River Dam Authority), Limestone (Houston Lighting & Power Company), and Scherer (Georgia Power Company).

The Tennessee Valley Authority (TVA) reported the largest increase of coal receipts to an electric utility in 1986, 36.6 million short tons compared with 28.7 million short tons in 1985. This 8.0 million short ton increase was necessary as coal- fired generation rose substantially replacing nuclear power. During 1985, the TVA nuclear plants generated 12.6 million megawatthours of electricity. In 1986, negative net generation (station use exceeds gross generation) was reported due to an extended shutdown for repairs of all of TVA's nuclear plants. (Generation, Consumption, and stock data are reported on the Form EIA-759, "Monthly Power Plant Report," and represent all plants at electric utilities with generating capacity in the United States. In contrast, the FERC Form 423 data represent only those plants with a combined steam generating capacity of 50 megawatts or larger.)

The Southern California Edison Company and the Detroit Edison Company contributed significantly to the overall increase in coal receipts in 1986. Coal receipts to Detroit Edison increased from 14.5 million short tons in 1985 to 17.5 million short tons in 1986. Most of the increase occurred at the St. Clair, Belle River, and River Rouge plants. The company reported increased coal consumption and coal-fired generation at all three plants during 1986. At the company level, year-ending stocks increased by 2.2 million short tons from 1985. It should be noted that the Belle River plant was partially shut down for repairs during most of 1985. The Southern California Edison Company's coal receipts increased by 2.5 million short tons in 1986 as a result of the return to service of the Mohave Generating Station in late 1985. The plant had been out of service for most of 1985. Coal receipts reported in 1986 for this plant represent a return to normal deliveries.

The Georgia Power Company, the third largest utility in the nation ranked by coal receipts, reported a 1.0 million short ton increase in coal receipts in 1986. However, the additional coal did not go towards electricity generation. Coal-fired generation fell by 2.9 million megawatthours. Coal consumption decreased by 1.6 million short tons resulting in coal stocks increasing nearly 0.6 million short tons. Sales of coal-fired generated electricity by the company to Florida based utilities declined due to sharply lower petroleum prices.

Other electric utilities reporting large increases in coal receipts were Appalachian Power Company, 1.9 million short tons; the Montana Power Company, 2.0 million short tons; the Virginia Electric & Power Company, 1.4 million short tons; and the Pennsylvania Power Company, 1.1 million short tons.

The Duke Power Company reduced total coal receipts from 10.8 million short tons in 1985 to 9.8 million short tons in 1986. Reduced receipts and a 0.9 million ton increase in coal consumption resulted in significantly lower year-end coal stocks. Nuclear generation increased by 1.4 million megawatthours to reach 35.1 million megawatthours or 53.1 percent of Duke Power's total generation. Additional nuclear capacity under construction is expected to affect future coal requirements of the company.

The Pacific Power & Light Company reported coal receipts of 15.9 million short tons, down 1.3 million short tons or 7.8 percent from 1985. However, consumption fell by 5 million short tons or 27.7 percent, resulting in a large increase in year-ending stocks. Of the four Pacific Power & Light Company's generating plants, only Centralia (Washington) reported an increase in coal receipts. Johnston, Wyodak, and Jim Bridger (Wyoming) all reported significant declines in coal receipts.

The Lower Colorado River Authority (LCRA) reported coal receipts of 3.2 million short tons, down 1.9 million short tons from 1985. Coal consumption fell at the company's only coal-fired plant (Seymour) as the LCRA turned to lower-priced natural gas at its Gideon and Ferguson generating plants for additional gas-fired generation in 1986.

Other electric utilities reporting reduced coal receipts in 1986 were the Utah Power & Light Company, 1.8 million short tons; The Iowa Public Service Company, 1.7 million short tons (tornado damage caused an extended shutdown of the George Neal unit number 4); Public Service Company of Indiana, 1.3 million short tons; and the Public Service Company of New Mexico, 0.9 million short tons.

The average price of coal delivered to electric utilities in 1986 was $33.30 per short ton, a decrease of $1.23 per ton or 3.6 percent from 1985. Contract and spot coal average costs also declined in 1986. Although electric utility purchases of coal in 1986 were at record levels, lower gas and petroleum prices and a high availability of coal tended to depress coal prices. The total estimated bill for coal delivered to electric utilities in 1986 was $22.9 billion compared to $23.0 billion in 1985.

For some electric utilities, reduced rates for rail transportation of coal from the large surface mines of Wyoming and Montana lowered the delivered price of coal. City Public Service of San Antonio is a well publicized example of how lower rail rates affect the delivered price of coal. In 1985, the utility paid an average delivered price of $35.35 per short ton for coal from Campbell County, Wyoming. In 1986, primarily due to reduced rail rates, the average delivered price fell to $28.56 per short ton for coal from Campbell County.

Lignite, an inexpensive low Btu fuel, is having an increasing effect on the national, State, and utility level coal price averages. In 1982, 46.3 million short tons of lignite were delivered to electric utilities at an average price of $11.25 per short ton. In 1986, 64.4 million short tons of lignite were delivered at an average cost of $13.34 per short ton. This price is $26.05 per short ton lower than the average price of bituminous coal ($39.39) and $13.90 per short ton lower than subbituminous coal (27.24). At the utility level, the price effect can be dramatic. Deliveries of lignite to Central Louisiana Electric Company (CLECO), Dolet Hills, in 1986 averaged $16.19 per short ton, compared to $34.39 per short ton for subbituminous coal deliveries to Rodemacher. The result was a decrease in CLECO's average cost of coal from $32.85 in 1985 to $ 23.21 per short ton in 1986. At the national level, lignite represented 9.4 percent of all deliveries in 1986 compared to 7.8 percent in 1982.

Other examples of electric utilities with substantial declines in the average delivered price of coal were: Central Power & Light Company, $47.76 per short ton in 1986 versus $58.60 per short ton in 1985; Gulf States Utilities, $32.97 versus $38.96; Iowa Illinois Gas and Electric, $20.35 versus $26.54; Kansas City Board of Public Utilities, $24.51 versus $33.70; Sikeston Board of Municipal Utilities, $28.63 versus $43.14.

Petroleum

Petroleum receipts to electric utilities in 1986 increased by 63.6 million barrels (or 38.5 percent over 1985) to 228.5 million barrels. As shown in Table HL6, the average price of petroleum declined from $25.29 per barrel in January 1986 to a low of $11.72 per barrel in July 1986. Delivered petroleum prices trended higher for the remainder of the year. The average price of petroleum for 1986 was $15.30 per barrel, down 43.5 percent from $27.08 per barrel reported in 1985. Although petroleum receipts were up 63.6 million barrels, the total estimated bill for petroleum delivered to electric utilities was $3.5 billion in 1986, compared to $4.5 billion in 1985.

Lower prices led to significantly higher demand for No. 6 fuel oil, especially in the New England, Middle Atlantic, South Atlantic, and Pacific Census Divisions. In the South Atlantic Census Division, petroleum receipts increased 25.5 million barrels. Most of the increase occurred at electric utilities located in Florida where receipts were 44.4 million barrels in 1986 compared to 21.6 million barrels in 1985, an increase of 105.9 percent. Petroleum-fired generation in Florida increased from 13.9 million megawatthours in 1985 to 27.4 megawatthours in 1986. The Florida Power & Light Company reported receipts of 25.4 million barrels, up 14.0 million barrels from 1985. Petroleum-fired generation for this company increased from 7.1 million megawatthours 1985 to 15.6 million megawatthours for 1986. In addition to the Florida Power & Light Company the Florida Power Corporation, the Jacksonville Electric Authority, and the Orlando Utilities Commission also reported large increases in petroleum receipts and petroleum-fired generation. The 1985 and 1986 generation data were reported on Form EIA-759, "Monthly Power Plant Report."

The Middle Atlantic Census Division reported an increase in petroleum receipts of 15.7 million barrels with the majority of the increase occurring in New York State. Niagara-Mohawk Power Corporation showed the largest increase with receipts up by 4.6 million barrels. The average delivered price per barrel to this company in 1986 was $14.74 compared with $30.89 reported in 1985. Consumption of petroleum at the utility was up over 100 percent while coal and gas consumption decreased 18.1 percent and 80.1 percent respectively. On a cents-per-million Btu basis, Niagara-Mohawk Power's average costs in 1986 for the three fuels were: coal, 166.8; petroleum, 234.3; and gas, 348.7.

The Power Authority of the State of New York (PASNY) reported petroleum receipts of 2.2 million

barrels. No receipts were reported in 1985 due to an extended shutdown of the Poletti generating station. For 1986, the average price in cents-per-million Btu of petroleum delivered to PASNY was 260.8 compared to 214.2 for gas. Petroleum consumption increased by 149.0 percent over 1985 while gas consumption decreased by 49.8 percent. Although gas maintained a price advantage over petroleum, petroleum was consumed due to curtailment of gas deliveries to the utility during the winter months. Preference is given to residential consumers during the winter months. The Orange and Rockland Utilities reported an increase in petroleum receipts of 2.2 million barrels. The average delivered price per barrel in 1986 was $16.51 compared to $29.37 in 1985. Consumption of petroleum increased 71.7 percent while gas consumption decreased 21.2 percent.

The two largest petroleum consuming electric utilities in the census division, Long Island Lighting Company (LILCO), and the Consolidated Edison Company of New York (ConED) reported the following changes in 1986 petroleum receipts from 1985 receipts. LILCO reported receipts were down by 0.3 million barrels or 1.6 percent while Consolidated Edison reported receipts were up nearly 1.0 million barrels or 6.1 percent. The average delivered price per barrel for both utilities fell sharply in 1986.

Petroleum receipts for the New England Census Division were 61.6 million barrels, up by 15.9 million barrels from 1985. Electric utilities reporting the largest increases in petroleum receipts were: the Boston Edison Company, 6.1 million barrels; the Connecticut Light & Power Company, 4.7 million barrels; the Public Service Company of New Hampshire, 2.4 million barrels; the New England Power Company, 1.7 million barrels; and the Central Maine Power Company, 1.6 million barrels. Each utility reported a large decline in the price of petroleum.

The Pacific Census Division reported an increase in petroleum receipts of 4.0 million barrels with the majority of the increase occurring in California. San Diego Gas & Electric showed the largest increase, with receipts up by 2.6 million barrels. The average delivered price per barrel for this company in 1986 was $13.44 compared to $24.75 reported in 1985. Southern California Edison reported an average delivered price of $31.25 for 1986 compared to $41.17 for 1985. This high petroleum price for Southern California Edison reflects fuel oil purchased prior to 1983, held in central storage facilities, and transferred to electric plants in 1986.

Gas

Gas receipts to electric utilities in 1986 fell 14.8 percent from 1985 receipts. Receipts were lower in all census divisions except the East North Central Census Division. At the national level, the average price of gas delivered to electric utilities declined from $3.56 per thousand cubic feet (Mcf) in 1985 to $2.42 per Mcf in 1986. Interfuel competition with coal and petroleum resulted in a lower average delivered cost in 1986. The total estimated bill for gas delivered to electric utilities in 1986 was $5.9 billion compared to $10.2 billion in 1985.

Large gas-burning utilities reporting significantly lower gas receipts include: the Houston Lighting and Power Company, 263.6 billion cubic feet (Bcf) in 1986 versus 334.0 Bcf in 1985; Pacific Gas and Electric, 152.5 Bcf versus 261.8 Bcf; Southern California Edison, 174.3 Bcf versus 257.2 Bcf; Texas Utilities Electric Company, 365.3 Bcf versus 402.5 Bcf; City of Los Angeles, 46.8 Bcf versus 59.3 Bcf; Boston Edison Company, 8.6 Bcf versus 33.7 Bcf; Mississippi Power and Light, 37.0 Bcf versus 47.8 Bcf; Louisiana Power and Light, 131.7 Bcf versus 144.0 Bcf; Southwestern Public Service, 27.9 Bcf versus 44.5 Bcf; Southwestern Electric Power, 23.3 Bcf versus 32.6 Bcf.

Table HL1. Receipts of Fossil Fuels at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1985-1986

Fuel Type	1986	1985	Quantitative Difference	Percent Change
Total Coal (thousand short tons)	**686,964.1**	**666,743.3**	**20,220.8**	**3.0**
Bituminous	416,653.7	398,972.8	17,680.9	4.4
Subbituminous	205,368.5	207,396.1	-2,027.6	-.1
Lignite	64,405.9	59,623.5	4,782.4	8.0
Anthracite	536.0	751.0	-215.0	-28.6
Total Petroleum (thousand barrels)	**228,521.5**	**164,946.5**	**63,575.0**	**38.5**
No. 6 Fuel Oil	220,112.6	155,725.5	64,387.1	41.3
No. 4 and No. 5 Fuel Oil	472.7	684.4	-211.7	-30.9
No. 2 Fuel Oil	7,936.2	8,536.4	-600.2	-7.0
Total Gas (million cubic feet)	**2,437,787.8**	**2,860,592.9**	**-422,805.1**	**-14.8**
Natural	2,430,251.4	2,854,882.5	-424,631.1	-14.9
Other[1]	7,536.5	5,710.4	1,826.1	31.1

[1] Includes small quantities of coke-oven gas, refinery and blast-furnace gas.
Note: Totals may not equal sum of components because of independent rounding. 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."

Table HL2. Average Cost of Fossil Fuels at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1985-1986

Cost (dollars)	1986	1985	Price Difference	Percent Change
Total Coal (per short ton)	**33.30**	**34.53**	**-1.23**	**-3.6**
Contract	33.51	34.63	-1.12	-3.2
Spot	31.81	33.73	-1.92	-5.7
Total Petroleum (per barrel)	**15.30**	**27.08**	**-11.78**	**-43.5**
No. 6 Fuel Oil	15.10	26.71	-11.61	-43.5
No. 4 and No. 5 Fuel Oil	17.95	29.94	-11.99	-40.0
No. 2 Fuel Oil	20.62	33.64	-13.02	-38.7
Total Gas (per Mcf)	**2.42**	**3.56**	**-1.14**	**-32.0**
Firm	2.40	3.19	-.79	-24.8
Interuptible	2.47	4.11	-1.64	-39.9

Note: Totals may not equal sum of components because of independent rounding. 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."

Table HL3. Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1986

Census Division	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
New England	5,717.6	13,249	1.2	7.5	188.4	49.92
Middle Atlantic	49,713.6	12,381	2.1	12.7	153.1	37.90
East North Central	161,292.9	11,082	1.9	9.0	174.6	38.69
West North Central	81,066.5	8,778	1.2	8.1	127.7	22.41
South Atlantic	120,825.9	12,432	1.5	10.1	174.0	43.28
East South Central	77,064.3	11,862	2.0	11.0	158.4	37.59
West South Central	105,426.1	7,682	.6	9.8	158.7	24.38
Mountain	81,198.1	9,713	.5	11.2	115.7	22.47
Pacific	4,659.0	8,100	.7	14.6	168.6	27.31
Pacific Noncontiguous	-	-	-	-	-	-
Total	**686,964.1**	**10,543**	**1.39**	**9.98**	**157.9**	**33.30**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table HL4. Petroleum Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1986

Census Division	Quantity (thousand Barrels)	Average Quality		Average Cost Delivered	
		Btu per Gallon	Sulfur Percent by Weight	Cents per Million Btu	Dollars per Barrel
New England	61,565.0	150,595	1.3	230.6	14.59
Middle Atlantic	80,386.4	148,870	.9	246.2	15.39
East North Central	5,495.0	146,180	.6	402.3	24.70
West North Central	581.7	143,680	.9	299.7	18.09
South Atlantic	58,179.8	150,154	1.1	221.7	13.98
East South Central	2,516.7	147,133	2.4	242.8	15.01
West South Central	1,878.6	143,351	.5	256.6	15.45
Mountain	960.6	142,744	.3	308.6	18.50
Pacific	7,542.3	146,859	.3	316.5	19.52
Pacific Noncontiguous	9,415.5	149,022	.4	286.7	17.94
Total	**228,521.5**	**149,433**	**1.03**	**243.7**	**15.30**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table HL5. Gas Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1986

Census Division	Quantity (thousand Mcf)	Btu per Cubic Ft.	Average Cost Delivered	
			Cents per Million Btu	Dollars per Mcf
New England	10,918.1	1,029	225.7	2.32
Middle Atlantic	156,460.3	1,036	228.3	2.36
East North Central	17,876.6	642	422.7	2.71
West North Central	15,999.0	976	269.2	2.63
South Atlantic	152,667.0	1,010	208.6	2.11
East South Central	45,660.2	1,039	232.4	2.41
West South Central	1,588,124.0	1,038	222.4	2.31
Mountain	40,540.7	1,043	284.9	2.97
Pacific	409,541.8	1,045	281.0	2.94
Pacific Noncontiguous	-	-	-	-
Total	**2,437,787.8**	**1,034**	**234.4**	**2.42**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table HL6. Monthly Receipts and Average Costs of Fossil Fuels at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Fuel Type, 1986

Month	Coal			Petroleum			Gas			All Fossil Fuels
	Quantity (thousand short tons)	Dollars per Short Ton	Cents per Million Btu	Quantity (thousand barrels)	Dollars per Barrel	Cents per Million Btu	Quantity (thousand Mcf)	Dollars per Mcf	Cents per Million Btu	
January	58,256.6	33.46	159.6	18,069.6	25.29	403.0	169,588.2	3.23	313.6	195.7
February	53,601.4	33.87	161.4	17,087.9	19.25	306.4	145,693.4	2.90	281.2	185.6
March	56,641.3	34.30	161.7	16,724.3	16.86	269.2	158,605.1	2.65	256.2	179.9
April	54,187.7	34.97	163.5	13,471.3	14.71	234.8	184,860.5	2.47	238.4	177.7
May	55,303.2	34.50	162.3	18,573.9	14.02	222.7	215,926.1	2.44	235.2	177.7
June	56,647.8	33.85	159.2	21,530.1	13.66	217.8	245,447.8	2.29	221.5	174.1
July	53,980.0	32.65	157.1	25,033.2	11.72	186.9	281,606.3	2.24	216.1	171.1
August	61,777.1	32.96	156.1	28,182.9	12.91	205.9	259,748.3	2.27	218.5	170.7
September	59,329.7	32.74	154.9	18,413.9	13.59	216.2	233,894.7	2.23	216.2	168.5
October	60,637.1	32.76	154.7	13,704.1	13.42	213.4	205,095.8	2.21	213.6	165.8
November	57,217.4	32.16	153.3	14,697.1	14.68	233.6	172,026.9	2.25	217.6	166.1
December	59,384.9	31.64	152.2	23,033.3	15.98	254.9	165,294.7	2.37	230.1	170.3
1986	**686,964.1**	**33.30**	**157.9**	**228,521.5**	**15.30**	**243.7**	**2,437,787.8**	**2.42**	**234.4**	**175.0**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table HL7. Monthly Receipts and Average Costs of Coal at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Coal Type, 1986

Month	Bituminous			Subbituminous			Lignite			Anthracite		
	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton
January	35,127.0	168.8	40.35	17,161.3	149.6	26.59	5,926.3	98.5	12.65	42.0	92.3	15.61
February	32,817.9	168.9	40.31	15,324.0	156.7	27.82	5,435.5	94.7	12.07	24.0	101.8	17.22
March	35,468.5	167.8	40.20	16,036.0	157.2	27.96	5,089.7	103.1	13.32	47.0	91.1	15.45
April	34,613.4	166.6	40.01	15,071.9	164.2	29.27	4,455.4	117.9	15.35	47.0	80.0	12.14
May	34,710.8	166.5	39.94	15,824.5	161.3	28.76	4,717.8	109.0	13.97	50.0	76.7	11.42
June	35,349.5	164.2	39.42	16,223.7	156.9	28.12	5,015.5	104.7	13.36	59.0	82.2	12.35
July	30,243.3	165.4	39.67	17,870.4	152.8	27.39	5,805.4	97.0	12.50	61.0	75.2	11.22
August	37,073.0	163.5	39.28	18,813.2	150.1	26.96	5,847.9	95.7	12.30	43.0	73.8	10.67
September	35,610.6	162.0	38.89	18,470.1	148.0	26.51	5,199.0	100.4	12.91	50.0	68.0	10.28
October	37,458.4	160.4	38.48	17,639.0	149.3	26.64	5,499.7	106.4	13.62	40.0	70.9	10.93
November	33,999.5	159.6	38.19	17,921.0	147.2	26.23	5,266.0	105.6	13.51	31.0	80.3	12.65
December	34,181.6	159.4	38.09	19,013.5	143.1	25.47	6,147.7	117.7	14.96	42.0	87.4	14.56
1986	**416,653.7**	**164.4**	**39.39**	**205,368.5**	**152.6**	**27.24**	**64,405.9**	**104.0**	**13.34**	**536.0**	**81.0**	**12.62**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table HL8. Monthly Receipts and Average Costs of Coal at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Purchase Type and Mining Method, 1986

Month	Contract Purchases			Spot Purchases			Average Cost by Type of Mining Method					
							Strip and Auger			Underground		
	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton
January	50,880.4	162.9	33.65	7,376.2	138.8	32.14	40,101.2	151.0	29.45	18,155.4	174.7	42.32
February	47,795.1	164.9	34.15	5,806.3	135.7	31.56	36,752.2	154.0	30.05	16,849.2	174.3	42.19
March	49,895.4	165.4	34.54	6,745.9	137.4	32.52	38,723.6	155.1	30.68	17,917.6	173.4	42.12
April	47,519.2	168.1	35.38	6,668.5	134.7	32.05	37,129.2	159.3	31.90	17,058.5	171.2	41.64
May	48,983.7	166.2	34.79	6,319.5	135.7	32.26	37,812.6	157.2	31.23	17,490.6	171.2	41.57
June	49,994.0	163.0	34.08	6,653.7	134.3	32.09	39,115.7	154.5	30.71	17,532.1	167.7	40.85
July	47,308.1	160.7	32.66	6,671.9	135.9	32.58	39,920.9	151.4	29.55	14,059.1	170.1	41.47
August	53,296.4	159.5	33.00	8,480.7	137.5	32.68	43,085.5	150.0	29.54	18,691.6	167.5	40.84
September	51,138.7	158.8	32.93	8,191.0	133.6	31.53	41,224.3	149.3	29.45	18,105.4	165.2	40.23
October	52,932.7	158.2	32.91	7,704.4	133.3	31.75	41,400.3	149.7	29.58	19,236.8	163.5	39.61
November	49,554.6	157.3	32.38	7,662.9	130.4	30.75	40,063.2	147.7	28.94	17,154.2	163.7	39.67
December	51,713.8	156.2	31.88	7,671.1	129.0	30.03	41,754.8	145.8	28.19	17,630.0	164.5	39.81
1986	**601,012.1**	**161.7**	**33.51**	**85,952.0**	**134.6**	**31.81**	**477,083.5**	**152.0**	**29.90**	**209,880.6**	**168.8**	**41.01**

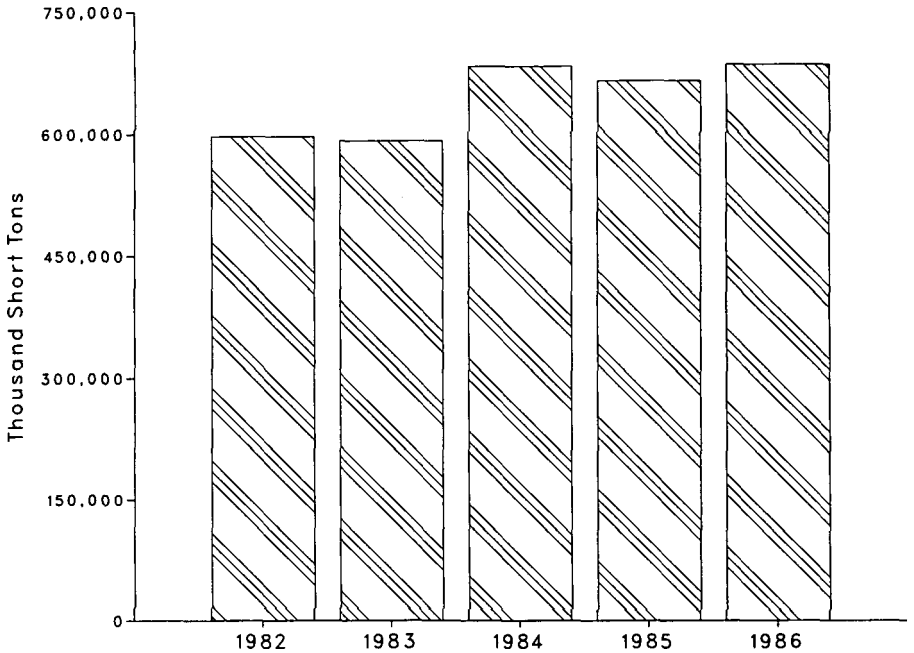
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table HL9. Monthly Receipts and Average Costs of Petroleum at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Petroleum Type, 1986

Month	No. 2 Fuel Oil			No. 4 and 5 Fuel Oil			No. 6 Fuel Oil		
	Quantity (thousand barrels)	Cents per Million Btu	Dollars per Barrel	Quantity (thousand barrels)	Cents per Million Btu	Dollars per Barrel	Quantity (thousand barrels)	Cents per Million Btu	Dollars per Barrel
January	827.8	561.2	32.76	38.8	477.7	29.59	17,202.9	395.8	24.92
February	536.0	447.7	26.03	47.1	470.4	28.82	16,504.8	301.7	19.00
March	468.2	383.1	22.28	.2	476.2	29.60	16,255.9	266.2	16.71
April	513.6	373.9	21.70	24.0	299.9	18.09	12,933.7	229.6	14.43
May	547.8	359.6	20.93	33.0	278.0	16.73	17,993.1	218.8	13.80
June	789.2	313.8	18.28	83.0	263.7	15.86	20,657.9	214.2	13.48
July	807.1	276.3	16.08	80.0	227.8	13.73	24,146.1	184.0	11.57
August	964.0	275.4	16.08	81.0	225.6	13.61	27,138.0	203.5	12.79
September	638.0	313.4	18.31	30.0	294.8	17.81	17,745.9	212.8	13.41
October	666.7	316.8	18.42	29.6	270.9	16.36	13,007.8	208.4	13.16
November	524.4	325.8	18.98	-	-	-	14,172.7	230.5	14.52
December	653.4	333.7	19.40	26.0	286.1	17.30	22,353.9	252.7	15.88
1986	**7,936.2**	**354.0**	**20.62**	**472.7**	**296.6**	**17.95**	**220,112.6**	**240.0**	**15.10**

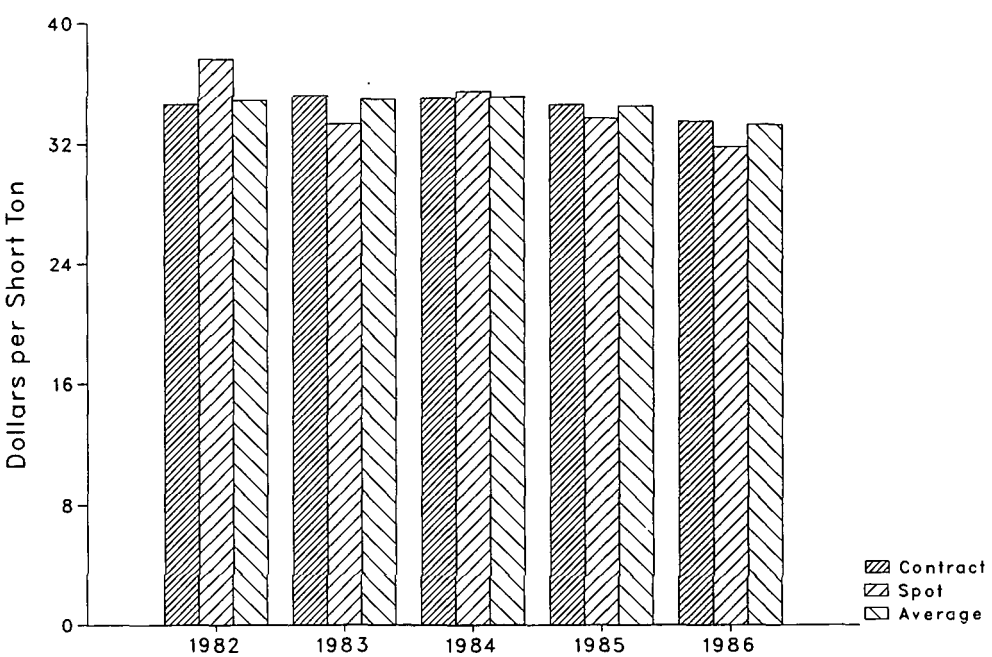
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure HL1. Receipts of Coal at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986



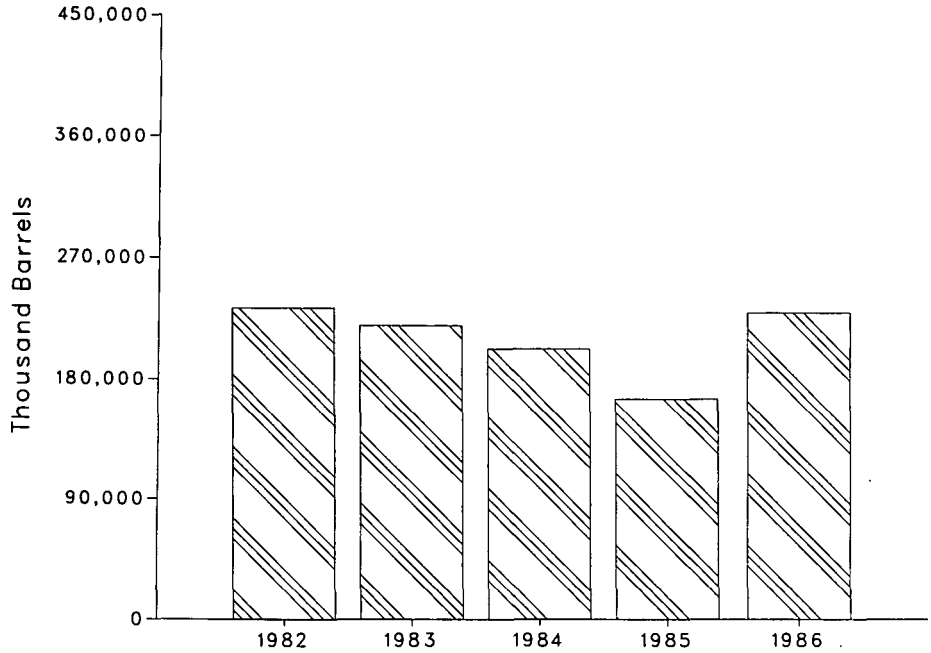
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Figure HL2. Average Cost of Coal at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986



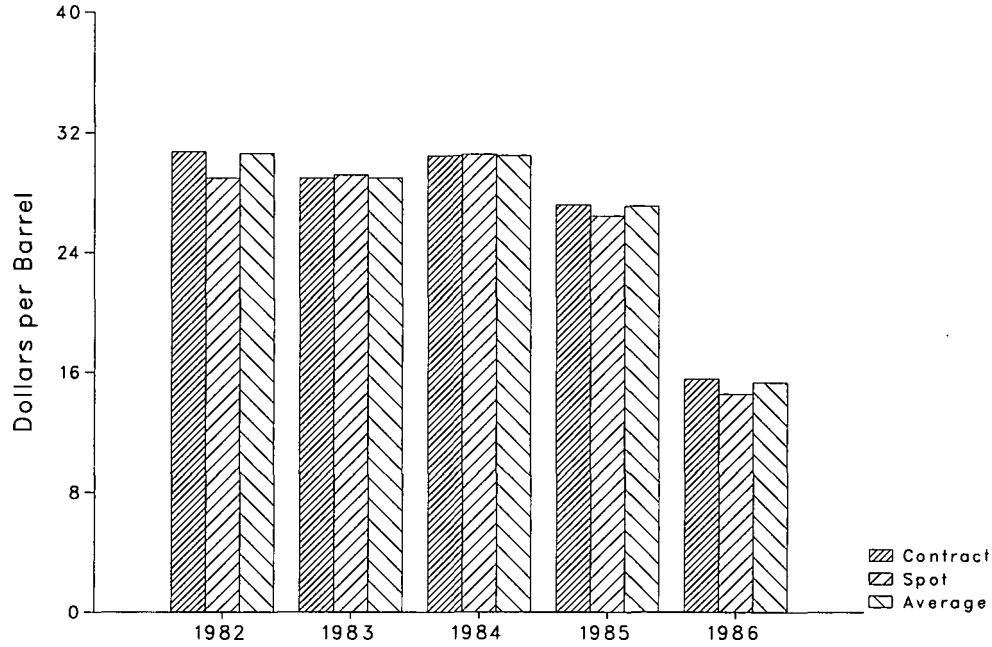
Note: Average costs are weighted by the quantity.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Figure HL3. Receipts of Petroleum at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986



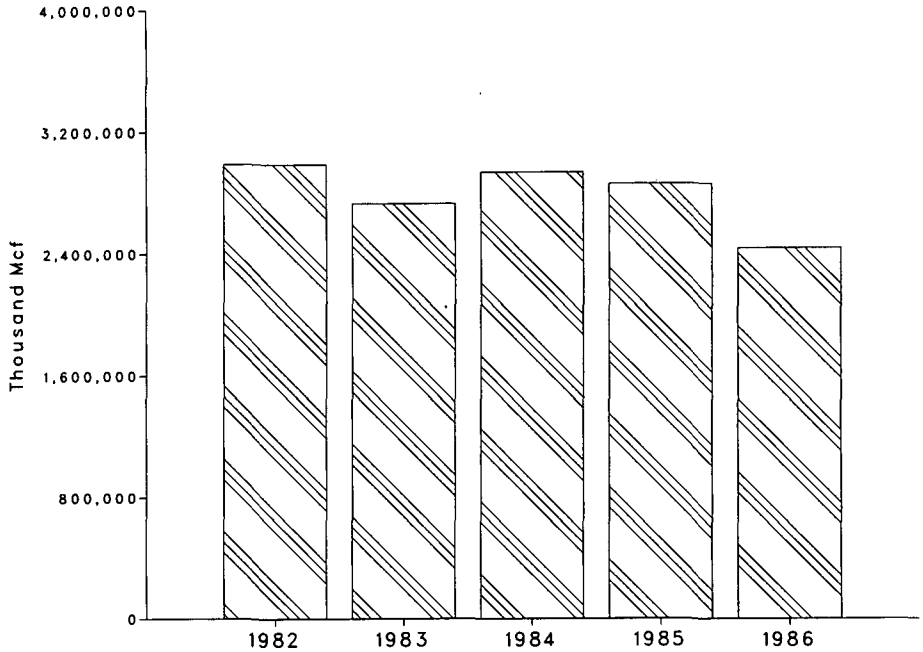
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Figure HL4. Average Cost of Petroleum at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986



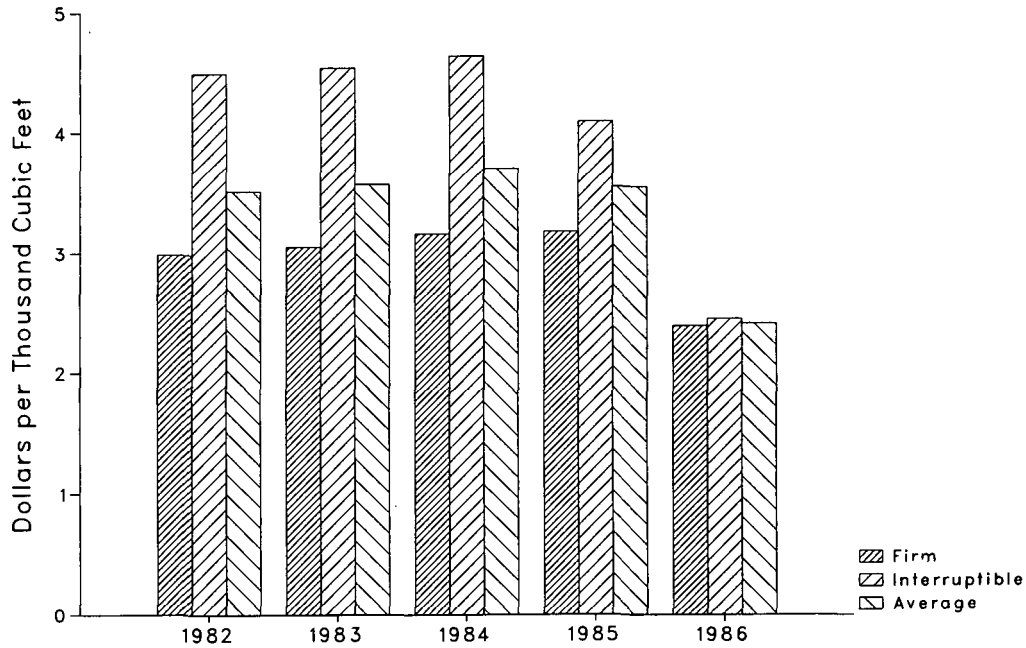
Note: Average costs are weighted by the quantity.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Figure HL5. Receipts of Gas at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986



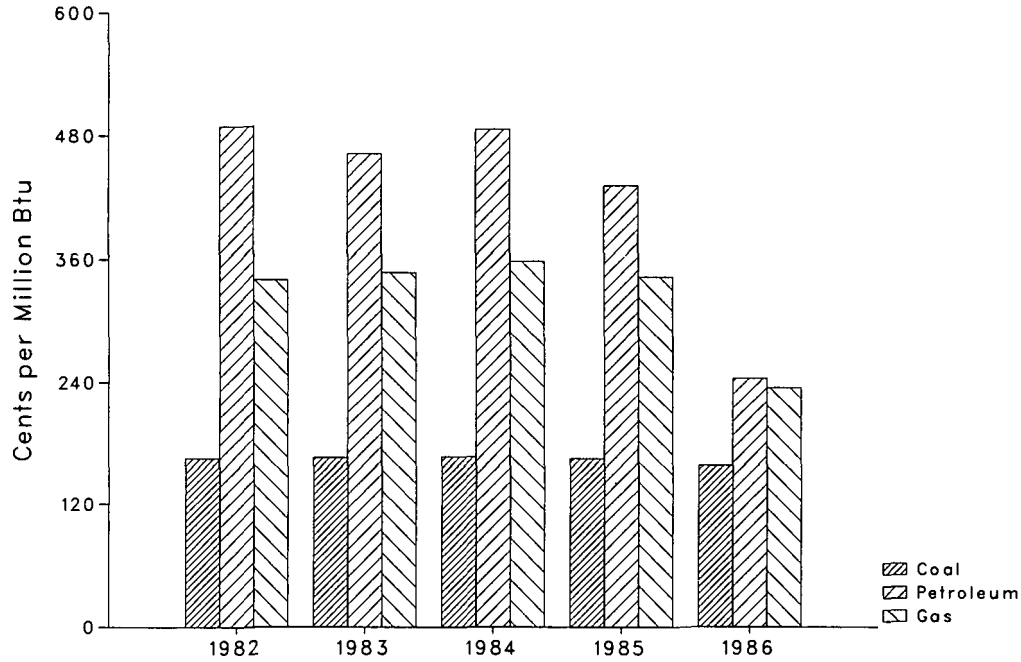
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Figure HL6. Average Cost of Gas at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986



Note: Average costs are weighted by the quantity.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Figure HL7. Average Cost of Coal, Petroleum, and Gas at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986



Note: Average costs are weighted by the quantity.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Summary Data

Introduction

This chapter includes summary data on coal, petroleum, and gas. Tables 1 through 7 contain data on coal receipts and costs. Table 7 lists the top 20 utilities ranked by total coal receipts. Tables 8, 9, and 10 provide historical information on petroleum receipts and costs. Tables 11 and 12 list all utilities with receipts of No. 6 fuel oil and petroleum coke. Included in each table are the quantity, quality, and cost information provided by the utility on FERC Form 423. Table 13 lists the top 20 utilities ranked by total petroleum receipts. Tables 14, 15, and 16 provide historical information on gas receipts and costs. Table 17 lists the top 20 utilities ranked by total gas receipts.

Information on the origin and the destination of coal delivered to electric utilities is detailed in Tables 18 through 27. Tables 18, 19, and 20 provide the origin of coal by coal-producing State and by Bureau of Mines District. More detailed information can be obtained in Tables 47, 48, and 49 of Chapter 4. Tables 22 through 24 list all utilities receiving coal from the Appalachian, Interior, and Western coal regions along with the quantity, quality, and cost information for each utility. Lignite receipts are shown for each utility in Table 25. The origin and destination of coal by State are summarized in Table 26. Receipts of imported coal are listed, by utility, in Table 27. Also shown is the exporting country. Table 28 lists the Flue Gas Desulfurization (FGD) systems presently in use at electric utilities.

Table 1. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Thousand Short Tons)

Type of Purchase	1986	1985	1984	1983	1982
Contract	601,012.1	592,406.9	584,821.5	523,554.1	540,559.2
Spot	85,952.0	74,336.5	99,289.2	69,173.5	57,018.4
Total	**686,964.1**	**666,743.3**	**684,110.7**	**592,727.7**	**597,577.6**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 2. Contract and Spot Coal Costs at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Dollars per Ton)

Type of Purchase	1986	1985	1984	1983	1982
Contract	33.51	34.63	35.06	35.21	34.63
Spot	31.81	33.73	35.49	33.34	37.60
Average	**33.30**	**34.53**	**35.12**	**34.99**	**34.91**

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

Table 3. Surface and Underground-Mined Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Thousand Short Tons)

Mine Type	1986	1985	1984	1983	1982
Surface-Mined	477,083.5	468,511.6	486,011.8	416,085.5	410,377.3
Deep-Mined	209,880.6	198,231.7	198,098.8	176,642.2	187,200.3
Total	**686,964.1**	**666,743.3**	**684,110.7**	**592,727.7**	**597,577.6**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 4. Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1982-1986 (Thousand Short Tons)

Census Division	1986	1985	1984	1983	1982
New England	5,717.6	6,052.1	5,301.2	4,252.5	3,951.0
Middle Atlantic	49,713.6	50,030.2	54,202.3	48,191.4	49,299.9
East North Central	161,292.9	151,825.7	162,400.6	139,520.8	141,593.4
West North Central	81,066.5	86,552.2	91,662.2	79,063.3	77,935.0
South Atlantic	120,825.9	115,193.8	124,208.4	104,713.0	109,047.3
East South Central	77,064.3	67,842.9	68,862.2	61,477.6	65,553.9
West South Central	105,426.1	104,082.6	98,620.7	84,121.5	73,707.0
Mountain	81,198.1	80,711.1	74,780.1	67,787.6	70,955.7
Pacific	4,659.0	4,452.7	4,073.0	3,600.0	5,534.5
Pacific Noncontiguous	-	-	-	-	-
Total	**686,964.1**	**666,743.3**	**684,110.7**	**592,727.7**	**597,577.6**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 5. Coal Receipts and Cost at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger by Census Division, 1986

Census Division	Contract Purchases			Spot Purchases		
	Quantity (thousand short tons)	Average Cost Delivered		Quantity (thousand short tons)	Average Cost Delivered	
		Cents per Million Btu	Dollars per Short Ton		Cents per Million Btu	Dollars per Short Ton
New England	5,028.1	188.9	50.11	689.5	184.8	48.49
Middle Atlantic	37,614.6	159.6	39.64	12,099.0	132.5	32.50
East North Central	135,300.2	182.6	40.29	25,992.7	133.7	30.35
West North Central	76,146.5	128.3	22.36	4,920.1	119.2	23.22
South Atlantic	100,727.9	180.6	44.79	20,098.0	141.5	35.67
East South Central	57,293.9	168.3	39.73	19,770.4	130.4	31.37
West South Central	104,355.4	158.7	24.35	1,070.7	157.1	27.36
Mountain	80,085.4	115.4	22.36	1,112.7	128.1	30.23
Pacific	4,460.0	170.4	27.60	199.0	128.2	20.77
Pacific Noncontiguous	-	-	-	-	-	-
Total	**601,012.1**	**161.7**	**33.51**	**85,952.0**	**134.6**	**31.81**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 6. Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986

Grades of Coal	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
1986						
Bituminous	416,653.7	11,983	1.95	10.56	164.4	39.39
Subbituminous	205,368.5	8,925	.45	7.63	152.6	27.24
Lignite	64,405.9	6,415	.81	13.58	104.0	13.34
Anthracite	536.0	7,789	.61	33.51	81.0	12.62
Total	**686,964.1**	**10,543**	**1.39**	**9.98**	**157.9**	**33.30**
1985						
Bituminous	398,972.8	11,920	1.95	10.74	173.3	41.31
Subbituminous	207,396.1	8,891	.47	7.70	156.7	27.86
Lignite	59,623.5	6,398	.78	13.39	99.0	12.67
Anthracite	751.0	8,392	.66	29.38	86.1	14.46
Total	**666,743.3**	**10,480**	**1.38**	**10.05**	**164.8**	**34.53**
1984						
Bituminous	429,803.6	11,867	2.02	11.00	174.5	41.41
Subbituminous	196,619.5	8,909	.49	7.81	158.0	28.15
Lignite	57,072.6	6,333	.74	14.09	94.7	12.00
Anthracite	614.9	8,509	.61	29.81	101.1	17.21
Total	**684,110.7**	**10,552**	**1.47**	**10.36**	**166.4**	**35.12**
1983						
Bituminous	371,170.0	11,869	2.02	11.02	173.6	41.20
Subbituminous	170,129.0	8,981	.48	7.96	158.4	28.45
Lignite	50,755.6	6,403	.77	13.64	92.1	11.79
Anthracite	673.0	8,258	.55	30.34	97.0	16.02
Total	**592,727.7**	**10,568**	**1.47**	**10.39**	**165.6**	**34.99**
1982						
Bituminous	386,245.8	11,787	2.03	11.40	175.1	41.29
Subbituminous	164,117.1	8,977	.49	8.19	148.5	26.66
Lignite	46,332.7	6,493	.77	12.92	86.6	11.25
Anthracite	882.0	9,080	.67	24.76	126.9	23.04
Total	**597,577.6**	**10,600**	**1.51**	**10.66**	**164.7**	**34.91**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants,"and predecessor forms.

Table 7. The 20 Largest Companies Ranked by Total Coal Receipts for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Company	Total Coal Receipts (thousand short tons)	Dollars per Short Ton	Total Estimated Coal Bill (thousand dollars)
1. Tennessee Valley Authority	36,606.2	33.21	1,215,737.4
2. Texas Utilities Electric Co	30,408.0	12.59	382,916.2
3. Georgia Power Co	26,470.7	43.96	1,163,643.6
4. Detroit Edison Co.	17,493.0	40.74	712,707.1
5. Pacific Power & Light Co	15,851.0	20.05	317,757.2
6. Pennsylvania Electric Co	15,705.0	32.71	513,749.8
7. Alabama Power Co	14,758.4	50.75	748,938.7
8. Commonwealth Edison Co	14,389.1	55.94	804,877.0
9. Ohio Power Co	13,003.9	41.49	539,580.8
10. Houston Lighting & Power Co	12,844.8	36.45	468,144.0
11. Appalachian Power Co	11,742.4	41.17	483,407.1
12. Public Service Co of IN Inc	11,150.2	31.63	352,676.1
13. Basin Electric Power Coop	10,920.9	11.69	127,701.6
14. Monogahela Power Co	10,735.2	34.52	370,546.9
15. Arkansas Power & Light Co	10,188.7	27.43	279,517.4
16. Arizona Public Service Co	10,118.6	20.50	207,452.0
17. Carolina Power & Light Co	9,915.4	46.45	460,603.9
18. Duke Power Co	9,768.3	46.13	450,639.4
19. Union Electric Co	9,705.3	36.63	355,484.8
20. Southwestern Electric Power Co	9,244.0	26.33	243,355.8

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 8. Petroleum Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger 1982-1986 (Thousand Barrels)

Grades of Petroleum	1986	1985	1984	1983	1982
Distillate (No. 2 Fuel Oil)	7,936.2	8,536.4	8,540.2	7,946.1	7,048.5
No. 4 and No. 5 Fuel Oil	472.7	684.4	1,526.1	866.0	984.6
Residual (No. 6 Fuel Oil)	220,112.6	155,725.5	192,305.7	210,839.4	224,746.2
Total	**228,521.5**	**164,946.5**	**202,372.0**	**219,651.5**	**232,779.9**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants,"and predecessor forms.

Table 9. Petroleum Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1982-1986 (Thousand Barrels)

Census Division	1986	1985	1984	1983	1982
New England	61,565.0	45,657.6	55,142.2	52,126.6	54,567.7
Middle Atlantic	80,386.4	64,678.3	80,617.3	84,461.2	73,106.4
East North Central	5,495.0	5,633.1	7,042.2	6,631.9	10,739.1
West North Central	581.7	665.5	894.3	1,288.7	1,203.5
South Atlantic	58,179.8	32,716.5	43,506.9	57,277.6	66,818.5
East South Central	2,516.7	822.7	828.8	693.6	918.5
West South Central	1,878.6	1,426.0	2,514.6	1,832.1	3,328.8
Mountain	960.6	633.9	531.8	563.8	621.6
Pacific	7,542.3	3,523.8	- 2,092.7	5,909.2	12,876.4
Pacific Noncontiguous	9,415.5	9,189.1	9,201.2	8,866.8	8,599.4
Total	**228,521.5**	**164,946.5**	**202,372.0**	**219,651.5**	**232,779.9**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 10. Average Cost-of-Petroleum Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Cents per Million Btu)

Grades of Petroleum	1986	1985	1984	1983	1982
Distillate (No. 2 Fuel Oil)	354.0	578.2	610.7	608.9	690.2
No. 4 and No. 5 Fuel Oil	296.6	491.4	552.1	541.7	568.9
Residual (No. 6 Fuel Oil)	240.0	424.1	480.7	457.4	482.9
Average All Receipts	**243.7**	**431.7**	**486.3**	**462.8**	**489.1**

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

Table 11. Receipts of No. 6 Fuel Oil at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Company	Quantity (thousand barrels)	Average Quality		Average Cost Delivered	
		Btu per Gallon	Sulfur Percent by Weight	Cents per Million Btu	Dollars per Barrel
Arkansas Power & Light Co	15.7	150,005	1.2	164.8	10.39
Atlantic City Electric Co	899.0	150,949	.9	242.6	15.38
Baltimore Gas & Electric Co	1,062.0	150,805	1.0	224.2	14.20
Bangor Hydro-Electric Co	115.9	150,392	2.3	267.1	16.87
Boston Edison Co	12,657.2	149,582	1.1	228.5	14.35
Bryan City of	1.1	143,599	.1	430.9	25.99
Burbank City of	27.0	148,157	.3	285.2	17.75
Cambridge Electric Light Co	428.0	149,075	.5	290.7	18.20
Canal Electric Co	9,552.0	152,037	2.0	221.7	14.16
Central Hudson Gas & Elec Corp	11,455.0	150,406	1.3	249.4	15.76
Central Illinois Pub Serv Co	67.3	157,149	.4	174.4	11.51
Central Maine Power Co	4,460.5	149,877	.9	238.2	14.99
Central Nebraska Pub P&I Dist	17.2	150,000	1.2	231.7	14.60
Cleveland Electric Illum Co	72.0	149,979	1.2	272.7	17.18
Commonwealth Edison Co	2,095.0	150,579	.7	554.7	35.08
Commonwealth Electric Co	370.0	150,547	.8	259.2	16.39
Connecticut Light & Power Co	12,169.8	149,304	.8	252.3	15.82
Consolidated Edison Co-NY Inc	16,020.6	147,180	.3	255.5	15.79
Consumers Power Co	705.3	147,619	1.0	255.6	15.85
Coop Power Assn	3.7	147,000	2.5	294.9	18.21
Deepwater Operating Co	196.0	148,945	1.0	221.5	13.86
Delmarva Power & Light Co	3,311.7	149,765	1.1	223.4	14.05
Detroit City of	331.7	148,207	.6	309.9	19.29
Detroit Edison Co	459.2	148,244	.7	225.5	14.04
Dover City of	676.1	151,122	2.4	237.0	15.05
Florida Power & Light Co	25,378.0	151,078	.9	218.1	13.84
Florida Power Corp	9,334.5	150,764	1.4	216.3	13.70
Gainesville City of	8.3	156,393	.3	270.5	17.77
Georgia Power Co	177.4	149,075	.3	174.8	10.94
Glendale City of	58.4	148,511	.2	259.2	16.17
Gulf States Utilities Co	138.8	149,290	.5	151.4	9.49
Hawaiian Electric Co Inc	9,387.3	149,059	.4	286.2	17.92
Houston Lighting & Power Co	165.3	149,163	.1	155.5	9.74
Illinois Power Co	124.6	150,000	.9	195.0	12.28
Imperial Irrigation District	115.5	149,500	1.2	244.1	15.32
Jacksonville Electric Auth	6,833.0	151,512	1.4	208.0	13.24
Jersey Central Power&Light Co	1,163.4	147,505	.4	252.1	15.62
Lakeland City of	745.2	149,604	1.6	221.3	13.91
Long Island Lighting Co	14,912.0	150,756	1.7	232.4	14.72
Los Angeles City of	795.0	146,734	.2	202.2	12.46
Louisiana Power & Light Co	375.2	150,487	1.0	144.7	9.14
Mississippi Power & Light Co	1,743.1	150,178	3.1	206.4	13.02
Mississippi Power Co	113.6	151,006	3.2	195.5	12.40
Montaup Electric Co	104.7	150,809	.9	205.6	13.02
Narragansett Electric Co	1,442.3	151,048	.9	237.1	15.04
Nevada Power Co	9.3	147,588	.8	187.8	11.64
New England Power Co	8,488.3	151,147	2.0	208.5	13.23
New Orleans Public Service Inc	*	152,300	1.5	135.1	8.64
Niagara Mohawk Power Corp	7,804.0	149,774	1.6	234.3	14.74
Orange & Rockland Utils Inc	4,933.5	147,136	.3	267.1	16.51
Orlando City of	1,130.5	151,276	1.2	201.0	12.77
Pacific Gas & Electric Co	552.8	148,394	.5	223.6	13.94
Pasadena City of	18.2	147,140	.2	566.4	35.00
Pennsylvania Power & Light Co	9,087.0	150,009	.9	236.9	14.92
Philadelphia Electric Co	4,904.0	148,615	.5	252.1	15.74
Potomac Electric Power Co	2,651.0	149,184	1.4	229.8	14.40
Power Authority of State of NY	2,157.0	147,002	.3	260.8	16.10
Public Service Co of NH	4,646.4	154,806	1.8	191.1	12.43
Public Service Co of NM	35.8	147,165	1.0	164.9	10.19
Public Service Electric&Gas Co	5,748.3	146,721	.3	231.6	14.27
Salt River Proj Ag I & P Dist	34.6	150,554	.8	351.4	22.22
San Diego Gas & Electric Co	3,402.0	146,909	.3	217.8	13.44
Savannah Electric & Power Co	189.8	147,867	2.4	188.8	11.73
Sierra Pacific Power Co	286.0	148,863	.4	197.7	12.36
Southern California Edison Co	2,542.9	146,405	.2	508.3	31.25
Tallahassee City of	429.6	151,282	2.1	182.9	11.62
Taunton City of	199.5	150,313	1.6	266.8	16.84
Union Electric Co	227.0	150,558	1.8	231.8	14.66
United Illuminating Co	5,864.4	149,862	1.0	247.3	15.56
Vineland City of	73.6	148,833	1.5	251.4	15.72
Virginia Electric & Power Co	3,487.0	148,102	.8	208.8	12.99
Western Massachusetts Elec Co	925.6	150,371	1.7	259.8	16.41
Total	**220,112.6**	**149,833**	**1.06**	**239.96**	**15.10**

* = Number less than 0.05 rounded to zero.
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 12. Receipts of Petroleum Coke at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Company	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Illinois Power Co	0.4	11,656	0.63	10.50	88.3	20.58
Northern Indiana Pub Serv Co	49.0	13,945	5.13	1.39	80.5	22.44
Northern States Power Co	149.5	14,206	4.90	1.24	110.3	31.32
Pennsylvania Power & Light Co	160.0	13,984	4.43	.62	108.7	30.39
Total	**358.9**	**14,069**	**4.72**	**1.00**	**105.5**	**29.68**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 13. The 20 Largest Companies Ranked by Total Petroleum Receipts for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Company	Total Petroleum Receipts (thousand barrels)	Dollars per Barrel	Total Estimated Petroleum Bill (thousand dollars)
1. Florida Power & Light Co	25,428.0	13.84	351,946.2
2. Consolidated Edison Co-NY Inc	16,020.6	15.79	253,020.0
3. Long Island Lighting Co	14,912.0	14.72	219,453.2
4. Boston Edison Co	12,657.2	14.35	181,671.1
5. Connecticut Light & Power Co	12,189.5	15.83	192,973.4
6. Central Hudson Gas & Elec Corp	11,499.0	15.78	181,441.8
7. Pennsylvania Power & Light Co	9,583.0	15.28	146,411.8
8. Canal Electric Co	9,552.0	14.16	135,233.0
9. Florida Power Corp	9,510.3	13.84	131,629.0
10. Hawaiian Electric Co Inc	9,415.5	17.94	168,956.7
11. New England Power Co	8,488.3	13.23	112,339.4
12. Niagara Mohowk Power Corp	7,804.0	14.74	115,010.9
13. Jacksonville Electric Auth	6,833.0	13.24	90,461.6
14. United Illuminating Co	5,872.2	15.57	91,428.8
15. Public Service Electric & Gas Co	5,766.6	14.29	82,386.6
16. Orange and Rockland Utils Inc	4,933.5	16.51	81,431.7
17. Philadelphia Electric Co	4,904.0	15.74	77,174.1
18. PubLic Service Co of NH	4,663.1	12.46	58,088.2
19. Central Maine Power Co	4,479.5	15.02	67,263.5
20. Virginia Electric & Power Co	3,754.0	13.52	50,738.1

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 14. Gas Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Billion Cubic Feet)

Type of Purchase	1986	1985	1984	1983	1982
Firm	1,500.1	1,698.3	1,860.1	1,775.6	1,915.8
Interruptible	913.1	1,133.0	1,045.6	935.5	1,049.4
Off-Peak	24.6	29.3	32.1	21.1	22.9
Total	**2,437.8**	**2,860.6**	**2,937.8**	**2,732.2**	**2,988.1**

Notes: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 15. Gas Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1982-1986 (Million Cubic Feet)

Census Division	1986	1985	1984	1983	1982
New England	10,918.1	43,817.2	32,690.6	23,528.6	14,541.0
Middle Atlantic	156,460.3	216,673.1	240,530.7	208,614.5	199,449.9
East North Central	17,876.6	13,832.7	12,194.6	19,395.4	12,157.8
West North Central	15,999.0	21,009.3	32,288.5	46,714.4	50,870.4
South Atlantic	152,667.0	153,527.3	167,113.1	165,370.3	182,355.8
East South Central	45,660.2	52,012.8	60,779.1	47,309.8	80,870.4
West South Central	1,588,124.0	1,682,145.6	1,798,190.2	1,735,845.4	1,855,358.1
Mountain	40,540.7	53,907.2	47,330.3	48,300.2	72,012.0
Pacific	409,541.8	623,667.5	546,648.6	437,168.9	520,490.1
Pacific Noncontiguous	-	-	-	-	-
Total	**2,437,787.8**	**2,860,592.9**	**2,937,765.7**	**2,732,247.5**	**2,988,105.3**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 16. Average Cost of Gas Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Cents per Million Btu)

Type of Purchase	1986	1985	1984	1983	1982
Firm	231.8	308.3	306.8	297.6	289.0
Interruptible	239.3	394.4	447.1	440.2	431.5
Off-Peak	208.3	370.9	427.5	417.4	401.2
Average	**234.4**	**343.1**	**358.3**	**347.4**	**340.2**

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

Table 17. The 20 Largest Companies Ranked by Total Gas Receipts for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Company	Total Gas Receipts (thousand Mcf)	Dollars per Mcf	Total Estimated Gas Bill (thousand dollars)
1. Texas Utilities Electric Co	365,251.0	2.88	1,051,670.6
2. Houston Lighting & Power Co	263,586.6	1.84	483,956.3
3. Southern California Edison Co	174,299.6	2.71	472,877.8
4. Gulf States Utilities Co	163,475.0	1.96	319,953.0
5. Pacific Gas & Electric Co	152,530.6	3.35	510,823.3
6. Louisanna Power & Light Co	131,697.0	1.66	218,722.9
7. Central Power & Light Co	119,250.1	2.37	282,203.9
8. Oklahoma Gas & Electric Co	104,343.6	2.78	289,859.6
9. Florida Power & Light Co	98,519.6	2.01	197,685.1
10. Public Service Co of Oklahoma	75,204.0	2.86	215,129.4
11. Consolidated Edison Co-NY Inc	70,109.0	2.31	161,759.9
12. San Antonio City City of	63,554.0	2.22	141,193.6
13. Los Angeles City of	46,820.0	2.65	123,925.1
14. West Texas Utilities Co	43,587.0	1.94	84,683.2
15. Mississippi Power & Light Co	36,970.0	2.43	89,978.9
16. Lower Colorado River Authority	33,643.0	1.77	59,584.1
17. Central Louisiana Elec Co Inc	32,891.0	2.75	90,323.6
18. Arkansas Power & Light Co	28,444.8	1.64	46,688.7
19. Southwestern Public Service Co	27,929.0	3.45	96,280.4
20. San Diego Gas & Electric Co	25,983.0	2.81	72,910.4

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 18. Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by State of Origin, 1986

Coal Producing State	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Alabama	16,385.7	12,284	1.36	11.88	205.6	50.51
Arizona	11,384.6	11,019	.52	9.17	94.3	20.79
Colorado	12,281.2	10,711	.42	7.70	162.3	34.77
Illinois	56,996.7	11,113	2.59	9.54	162.8	36.19
Indiana	25,328.2	11,102	2.62	9.15	139.4	30.95
Iowa	145.6	9,968	2.23	9.57	149.9	29.89
Kansas	1,252.6	9,919	4.64	22.64	124.9	24.78
Kentucky	114,865.4	12,118	1.77	10.11	165.3	40.05
Louisiana	2,253.0	6,864	.58	12.61	118.0	16.19
Maryland	2,041.1	12,499	1.56	13.00	136.8	34.19
Missouri	4,423.5	10,316	4.45	15.13	147.1	30.35
Montana	27,022.9	9,024	.53	6.59	173.8	31.37
New Mexico	20,162.4	9,405	.71	19.05	139.5	26.24
North Dakota	19,662.3	6,536	.73	8.74	87.0	11.37
Ohio	33,976.3	11,741	3.21	11.19	168.0	39.44
Oklahoma	1,482.4	12,637	2.93	10.21	140.0	35.37
Pennsylvania	46,262.4	12,371	1.80	12.88	152.2	37.65
Tennessee	4,522.6	12,492	1.30	10.78	154.9	38.70
Texas	42,300.5	6,334	.87	15.90	111.2	14.09
Utah	9,705.0	11,617	.48	10.37	158.2	36.75
Virginia	17,774.2	12,922	1.03	9.37	180.7	46.70
Washington	4,659.0	8,100	.69	14.64	168.6	27.31
West Virginia	72,544.2	12,561	1.54	10.55	161.9	40.69
Wyoming	138,046.2	8,636	.40	5.88	160.2	27.67
Imported	1,485.8	11,853	.53	10.51	198.5	47.06
Total	**686,964.1**	**10,543**	**1.39**	**9.98**	**157.9**	**33.30**

Notes: Totals may not equal sum of components because of independent rounding.
Imported includes coal from Canada, Colombia S.A., and South Africa.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 19. Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Bureau of Mines District, 1986

Bureau of Mine District	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
District 1	38,691.8	12,362	1.78	13.63	152.2	37.63
District 2	12,331.7	12,605	1.85	9.85	148.8	37.50
District 3	27,797.3	12,795	2.06	10.09	153.6	39.30
District 4	33,976.3	11,741	3.21	11.19	168.0	39.44
District 6	5,500.9	12,126	3.72	11.23	151.7	36.80
District 7	2,186.2	12,785	.93	9.37	168.6	43.11
District 8	131,727.3	12,481	1.02	10.01	175.4	43.78
District 9	38,566.9	11,575	3.09	10.58	141.4	32.74
District 10	56,996.7	11,113	2.59	9.54	162.8	36.19
District 11	25,328.2	11,102	2.62	9.15	139.4	30.95
District 12	145.6	9,968	2.23	9.57	149.9	29.89
District 13	17,057.6	12,290	1.34	11.88	203.0	49.91
District 14	94.6	13,623	1.33	7.72	146.6	39.95
District 15	51,617.4	6,953	1.31	15.71	117.9	16.40
District 16	151.9	10,474	.29	5.76	124.5	26.09
District 17	12,802.8	10,782	.43	8.13	165.2	35.63
District 18	30,873.5	9,943	.64	15.49	119.3	23.73
District 19	138,046.2	8,636	.40	5.88	160.2	27.67
District 20	9,705.0	11,617	.48	10.37	158.2	36.75
District 21	19,662.3	6,536	.73	8.74	87.0	11.37
District 22	27,022.9	9,024	.53	6.59	173.8	31.37
District 23	4,659.0	8,100	.69	14.64	168.6	27.31
District 24	536.0	7,789	.61	33.51	81.0	12.62
Imported	1,485.8	11,853	.53	10.51	198.5	47.06
Total	**686,964.1**	**10,543**	**1.39**	**9.98**	**157.9**	**33.30**

Notes: Totals may not equal sum of components because of independent rounding.
Imported includes coal from Canada, Colombia S.A., and South Africa.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 20. Coal Receipts and Average Cost by Sulfur Content at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by State of Origin, 1986

Coal Producing State	1.0% or Less			More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%		
	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton	Quantity (thousand short tons)	Cents per Million Btu	Dollars per Short Ton
Alabama	6,140.9	223.1	54.34	6,647.1	191.9	47.55	3,596.1	201.3	49.43	1.6	97.7	23.53
Arizona	11,384.6	94.3	20.79	-	-	-	-	-	-	-	-	-
Colorado	12,238.4	162.3	34.77	42.8	155.6	33.21	-	-	-	-	-	-
Illinois	3,409.8	163.1	36.08	11,354.5	162.7	37.34	20,446.5	164.8	37.14	21,785.9	160.9	34.70
Indiana	1,047.8	173.6	39.85	3,404.4	143.6	32.26	11,434.7	140.4	30.91	9,441.4	132.7	29.54
Iowa	-	-	-	59.1	150.1	29.87	81.5	146.3	29.24	5.0	207.0	40.81
Kansas	-	-	-	-	-	-	126.3	133.7	32.38	1,126.3	123.7	23.93
Kentucky	39,123.3	184.3	46.17	35,851.0	170.8	41.82	23,269.6	148.7	35.24	16,621.5	126.8	28.56
Louisiana	2,253.0	118.0	16.19	-	-	-	-	-	-	-	-	-
Maryland	139.9	120.8	29.87	1,834.0	139.1	34.86	67.2	105.7	24.99	-	-	-
Missouri	1.8	153.9	39.15	-	-	-	111.7	138.6	31.68	4,310.0	147.3	30.31
Montana	26,794.9	173.8	31.37	228.0	172.8	30.37	-	-	-	-	-	-
New Mexico	20,162.4	139.5	26.24	-	-	-	-	-	-	-	-	-
North Dakota	18,712.5	86.1	11.26	949.8	105.0	13.51	-	-	-	-	-	-
Ohio	32.5	151.1	35.09	1,869.4	148.5	35.34	13,645.8	168.5	39.88	18,428.5	169.6	39.54
Oklahoma	372.6	184.4	47.79	22.0	142.0	38.76	103.6	131.8	31.72	984.2	123.4	30.98
Pennsylvania	2,652.9	146.6	33.36	30,184.5	154.5	38.69	12,435.9	150.1	36.82	989.1	117.6	27.67
Tennessee	1,631.1	169.9	42.54	2,501.0	140.9	35.09	390.5	181.2	45.78	-	-	-
Texas	33,367.3	101.4	12.83	8,811.2	147.5	18.77	122.0	161.9	21.91	-	-	-
Utah	9,705.0	158.2	36.75	-	-	-	-	-	-	-	-	-
Virginia	9,821.5	188.0	48.39	7,885.6	172.0	44.70	67.1	133.8	33.87	-	-	-
Washington	4,659.0	168.6	27.31	-	-	-	-	-	-	-	-	-
West Virginia	36,099.3	172.0	43.10	13,792.6	162.8	40.53	13,779.4	146.2	37.53	8,872.9	144.7	36.03
Wyoming	137,735.2	160.3	27.68	311.0	118.6	22.49	-	-	-	-	-	-
Imported	1,485.8	198.5	47.06	-	-	-	-	-	-	-	-	-
Total	**378,971.7**	**159.0**	**30.58**	**125,748.1**	**162.9**	**38.51**	**99,677.9**	**155.5**	**36.79**	**82,566.4**	**148.8**	**33.59**

Notes: Totals may not equal sum of components because of independent rounding.
Imported includes coal from Canada, Colombia S.A., and South Africa.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 21. Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Coal Producing Region, 1982-1986 (Thousand Short Tons)

Coal Producing Region	1986	1985	1984	1983	1982
Appalachian Region[1]	269,805.2	255,360.7	273,993.1	236,159.5	244,859.4
Interior Region[2]	128,195.9	122,765.9	136,059.0	115,248.8	118,492.7
Western Region[3]	223,071.3	227,694.3	216,202.6	189,750.0	187,287.8
Lignite[4]	64,405.9	59,623.5	57,072.6	50,755.6	46,332.7
Total	**685,478.3**	**665,444.4**	**683,327.3**	**591,913.9**	**596,972.6**

[1] The Appalachian Region includes Alabama, Georgia, eastern Kentucky, Maryland, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia.
[2] The Interior Region includes Arkansas, Illinois, Indiana, Iowa, Kansas, western Kentucky, Missouri, Oklahoma, and Texas.
[3] The Western Region includes Arizona, Colorado, Montana, New Mexico, North Dakota, Utah, Washington, and Wyoming.
[4] All lignite mined in Louisiana, Montana, North Dakota, and Texas.
Notes: Totals may not equal sum of components because of independent rounding. This table excludes imported coal receipts.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 22. Receipts of Appalachian Region Coal at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Company	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Alabama Electric Coop Inc	1,204.4	11,968	1.28	12.04	169.9	40.66
Alabama Power Co	14,758.4	12,324	1.29	11.74	205.9	50.75
Appalachian Power Co	11,742.4	12,451	.72	11.02	165.3	41.17
Atlantic City Electric Co	588.0	12,982	2.60	9.87	174.8	45.37
Baltimore Gas & Electric Co	2,709.0	12,903	1.03	8.88	173.5	44.78
Big Rivers Electric Corp	55.4	11,262	2.64	12.91	113.9	25.65
Cardinal Operating Co	3,905.8	11,689	2.22	13.38	164.5	38.45
Carolina Power & Light Co	9,915.4	12,563	.86	9.59	184.9	46.45
Central Hudson Gas & Elec Corp	1.0	13,299	.63	6.70	196.0	52.13
Central Illinois Light Co	1,155.0	13,295	.69	5.48	174.7	46.46
Central Operating Co	1,831.3	12,352	1.04	11.41	162.3	40.09
Cincinnati Gas & Electric Co	4,457.4	11,553	1.71	14.05	174.3	40.27
Cleveland Electric Illum Co	5,545.0	12,510	2.71	9.35	158.8	39.73
Columbus & Southern Ohio El Co	3,489.1	11,984	3.26	8.08	159.2	38.15
Columbus City of	83.3	12,604	.73	7.91	171.1	43.14
Consumers Power Co	7,203.6	12,246	1.03	9.60	185.1	45.33
Dairyland Power Coop	476.1	12,877	1.46	6.94	162.9	41.96
Dayton Power & Light Co	8,118.4	11,826	1.29	13.03	166.5	39.38
Deepwater Operating Co	184.0	13,066	.80	8.12	180.4	47.14
Delmarva Power & Light Co	2,296.2	13,000	.96	8.80	191.4	49.75
Detroit Edison Co	9,410.0	12,940	1.01	7.74	183.3	47.45
Duke Power Co	9,768.3	12,539	.95	10.09	184.0	46.13
Duquesne Light Co	2,216.7	12,180	1.64	12.86	172.0	41.90
East Kentucky Rural Elec Coop	3,026.2	11,815	1.32	11.73	114.0	26.94
Florida Power Corp	5,204.9	12,671	.84	9.09	191.0	48.41
Gainesville City of	509.7	13,238	.78	6.06	172.4	45.65
Georgia Power Co	17,151.0	12,444	1.40	10.40	187.5	46.66
Gulf Power Co	51.8	12,381	2.78	10.93	127.0	31.45
Hamilton City of	112.7	12,441	.67	8.97	149.5	37.19
Holland City of	183.4	13,161	.90	6.87	177.0	46.59
Holyoke Water Power Co	373.7	13,085	1.35	7.51	193.6	50.66
Illinois Power Co	687.2	12,397	.64	10.02	142.2	35.26
Indiana & Michigan Electric Co	778.5	12,480	1.03	8.54	213.7	53.34
Interstate Power Co	3.0	13,307	1.44	5.40	176.9	47.08
Jamestown City of	122.3	12,741	1.49	9.50	140.1	35.69
Kentucky Power Co	2,037.9	11,911	1.24	12.67	157.1	37.42
Kentucky Utilities Co	3,463.5	12,470	1.33	9.94	160.7	40.08
Lakeland City of	261.4	12,236	1.50	10.57	213.8	52.33
Lansing City of	1,089.0	12,961	.80	7.31	199.7	51.76
Louisville Gas & Electric Co	6.7	12,312	.74	9.60	73.1	18.00
Manitowoc City of	93.4	13,146	.93	7.18	186.1	48.93
Marquette City of	13.3	12,607	1.00	8.15	203.2	51.24
Metropolitan Edison Co	790.8	13,111	1.67	7.12	181.8	47.66
Michigan South Central Pwr Agy	91.6	11,763	3.37	10.61	192.8	45.35
Minnesota Power & Light Co	32.0	11,719	1.33	11.79	177.2	41.54
Mississippi Power Co	1,000.6	12,501	2.19	9.08	183.6	45.90
Monongahela Power Co	10,735.2	12,732	2.45	10.01	135.5	34.52
Montaup Electric Co	389.3	13,298	1.15	6.75	189.0	50.26
New England Power Co	3,185.3	13,224	1.18	7.78	174.6	46.17
New York State Elec & Gas Corp	3,185.4	12,404	1.99	12.03	162.3	40.27
Niagara Mohawk Power Corp	2,440.0	13,054	1.75	8.20	166.8	43.55
Northern Indiana Pub Serv Co	129.7	13,206	2.44	7.38	162.9	43.03
Northern States Power Co	28.0	11,391	1.22	12.03	121.9	27.76
Ohio Edison Co	8,076.3	12,148	2.02	11.32	132.6	32.22
Ohio Power Co	13,003.9	11,547	3.38	12.69	179.7	41.49
Ohio Valley Electric Corp	3,142.0	11,985	3.62	9.72	149.1	35.73
Painesville City of	70.3	12,253	2.30	7.78	135.2	33.13
Pennsylvania Electric Co	15,705.0	12,126	1.88	15.64	134.9	32.71
Pennsylvania Power & Light Co	9,033.0	12,302	1.67	13.91	167.8	41.27
Pennsylvania Power Co	7,469.1	12,114	3.43	11.64	154.2	37.36
Philadelphia Electric Co	585.0	13,055	1.52	7.57	154.8	40.41
Potomac Edison Co	163.8	12,536	.93	11.45	126.2	31.63
Potomac Electric Power Co	5,764.4	12,637	1.49	11.05	166.2	41.99
Public Service Co of NH	952.3	13,443	2.03	7.44	199.0	53.51
Public Service Electric&Gas Co	1,760.7	13,336	1.00	7.30	182.6	48.70
Richmond City of	20.7	11,776	3.17	10.16	129.9	30.60
Rochester Gas & Electric Corp	547.8	13,087	2.29	7.87	176.2	46.11
S Mississippi Elec Pwr Assn	823.2	12,536	.92	8.17	214.1	53.69
Savannah Electric & Power Co	858.3	12,933	.86	8.79	168.3	43.52
South Carolina Electric&Gas Co	3,616.5	12,929	1.27	8.95	180.1	46.57
South Carolina Pub Serv Auth	3,454.0	12,416	1.20	9.91	186.9	46.42
Tampa Electric Co	1,799.7	12,987	1.10	6.46	209.2	54.33
Tennessee Valley Authority	16,339.5	12,052	1.34	11.33	156.0	37.60
Toledo Edison Co	1,683.4	13,223	1.14	6.84	198.2	52.40
United Illuminating Co	817.0	13,172	.51	6.76	227.1	59.83
Upper Peninsula Generating Co	761.0	12,669	.89	9.25	161.0	40.78
Vineland City of	46.3	12,919	.96	10.00	190.8	49.30

See footnotes at end of table.

Table 22. Receipts of Appalachian Region Coal at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986 (Continued)

Company	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Virginia Electric & Power Co	8,857.0	12,623	1.35	11.01	150.4	37.97
West Penn Power Co	5,038.6	12,752	2.20	10.05	137.6	35.10
Wisconsin Electric Power Co	856.6	12,998	1.47	7.19	169.5	44.08
Wisconsin Power & Light Co	37.3	12,856	1.63	6.07	148.5	38.17
Wisconsin Public Service Corp	140.0	12,871	2.46	8.79	199.8	51.43
Wyandotte Municipal Serv Comm	90.7	13,398	.69	6.14	192.4	51.55
Total	**269,805.2**	**12,383**	**1.62**	**10.86**	**168.7**	**41.78**

Notes: Totals may not equal sum of components because of independent rounding.
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 23. Receipts of Interior Region Coal at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Company	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Ames City of	12.6	9,525	3.03	12.50	190.1	36.22
Associated Electric Coop Inc	4,613.2	10,697	3.83	10.27	147.9	31.65
Big Rivers Electric Corp	4,387.9	11,007	3.03	12.14	122.7	27.02
Cedar Falls City of	15.5	10,912	1.74	8.76	143.3	31.28
Central Electric Pwr Coop-MO	63.0	11,065	2.94	10.36	112.5	24.89
Central Illinois Light Co	998.0	10,561	3.42	8.30	217.5	45.95
Central Illinois Pub Serv Co	4,923.5	11,086	2.79	8.87	170.2	37.74
Cincinnati Gas & Electric Co	1,304.1	11,232	2.79	9.84	160.1	35.97
Columbia City of	52.2	10,979	3.78	10.16	160.0	35.14
Columbus City of	10.0	12,662	.73	8.90	178.5	45.21
Commonwealth Edison Co	2,732.3	10,268	3.36	9.67	146.7	30.13
Dairyland Power Coop	320.4	10,880	2.82	9.79	153.4	33.38
Eastern Iowa Light&Power Coop	124.3	11,464	2.64	10.28	117.4	26.92
Electric Energy Inc	2,306.4	11,682	1.98	9.13	176.3	41.18
Empire District Electric Co	821.9	11,234	4.65	18.19	125.6	28.21
Georgia Power Co	9,319.7	11,523	2.59	8.78	169.2	38.99
Grand Haven City of	104.6	11,103	2.70	10.35	163.8	36.37
Grand River Dam Authority	83.5	12,098	3.63	10.63	120.9	29.26
Gulf Power Co	2,010.1	12,135	2.86	9.44	194.4	47.18
Henderson City of	121.0	11,243	2.38	10.28	151.3	34.02
Hoosier Energy R E C Inc	2,357.4	10,893	3.24	9.81	161.5	35.19
Illinois Power Co	6,982.6	10,978	2.55	9.95	145.4	31.92
Independence City of	145.2	12,119	3.59	11.02	161.4	39.13
Indiana & Michigan Electric Co	1,727.3	11,076	3.52	9.85	133.7	29.61
Indiana-Kentucky Electric Corp	3,887.0	11,374	3.32	10.20	117.8	26.80
Indianapolis Power & Light Co	5,633.0	11,200	2.45	8.12	128.1	28.69
Interstate Power Co	764.1	10,946	2.78	9.50	159.4	34.90
Iowa Electric Light & Power Co	704.0	11,308	2.24	8.11	141.2	31.94
Iowa Southern Utilities Co	292.7	10,860	2.55	9.32	108.5	23.56
Iowa-Illinois Gas&Electric Co	303.0	10,963	2.42	9.69	116.6	25.55
Jacksonville Electric Auth	204.0	11,728	3.83	12.81	142.6	33.45
Kansas City City of	283.9	11,471	2.48	9.48	165.0	37.84
Kansas City Power & Light Co	2,261.4	9,487	4.85	24.20	126.8	24.06
Kentucky Utilities Co	1,411.8	11,312	2.82	8.94	124.9	28.26
Louisville Gas & Electric Co	3,774.4	11,207	3.29	11.58	135.3	30.32
Madison Gas & Electric Co	36.0	11,211	1.41	7.86	176.5	39.58
Marquette City of	5.6	12,603	1.00	8.16	203.3	51.24
Mississippi Power Co	1,102.6	12,274	2.45	7.22	179.1	43.96
Missouri Public Service Comm	790.0	10,952	3.22	10.63	179.0	39.21
Muscatine City of	484.3	11,280	3.12	6.21	191.0	43.10
Northern Indiana Pub Serv Co	2,956.9	10,985	3.06	10.07	182.7	40.13
Northern States Power Co	69.9	11,251	1.27	9.21	120.7	27.17
Oklahoma Gas & Electric Co	116.2	13,500	1.22	7.38	148.9	40.21
Owensboro City of	813.1	10,839	2.94	11.70	156.4	33.90
Public Service Co of IN Inc	11,150.2	10,723	2.45	10.71	147.5	31.63
Public Service Co of Oklahoma	56.0	12,761	.56	6.91	182.3	46.51
Richmond City of	171.0	11,017	2.03	10.79	180.1	39.69
Rochester City of	112.7	12,250	1.62	7.06	210.8	51.64
Seminole Electric Coop Inc	2,952.0	12,076	2.74	8.66	205.4	49.61
Sikeston City of	303.6	11,198	2.59	11.50	127.8	28.63
Southern Illinois Power Coop	737.0	10,633	3.20	18.47	95.2	20.25
Southern Indiana Gas & Elec Co	2,299.7	11,219	3.37	9.05	150.0	33.65
Springfield City of (MO)	716.5	12,694	3.97	11.00	120.0	30.45
Springfield City of (IL)	787.6	10,344	2.89	9.20	164.4	34.00
St Joseph Light & Power Co	107.1	12,163	3.70	16.11	143.7	34.97
Tampa Electric Co	3,832.1	11,700	2.69	8.83	179.3	41.96
Tennessee Valley Authority	20,266.7	11,614	2.98	10.33	127.8	29.68
Union Electric Co	9,677.3	11,206	2.05	9.30	163.4	36.63
Wisconsin Electric Power Co	1,632.6	11,840	1.95	7.82	168.8	39.98
Wisconsin Power & Light Co	1,370.3	11,456	1.99	8.17	162.3	37.19
Wisconsin Public Service Corp	593.0	11,356	1.94	8.99	193.0	43.83
Total	**128,195.9**	**11,227**	**2.83**	**10.10**	**150.5**	**33.78**

Notes: Totals may not equal sum of components because of independent rounding.
The Interior Region includes Arkansas, Illinois, Indiana, Iowa, Kansas, western Kentucky, Missouri, Oklahoma, and Texas.
This table excludes all lignite receipts.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 24. Receipts of Western Region Coal at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Company	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Alamito Co	924.7	9,522	0.77	14.23	193.9	36.92
Ames City of	130.1	8,162	.42	5.84	188.9	30.83
Arizona Electric Pwr Coop Inc	504.6	10,205	.57	15.14	250.0	51.02
Arizona Public Service Co	10,118.6	9,088	.69	19.95	112.8	20.50
Arkansas Power & Light Co	10,188.7	8,718	.32	5.49	157.3	27.43
Basin Electric Power Coop	5,676.5	8,297	.39	5.47	72.5	12.03
Cajun Electric Power Coop Inc	4,124.1	8,407	.48	6.01	191.9	32.27
Central Louisiana Elec Co Inc	1,413.0	8,529	.46	6.27	201.6	34.39
Central Power & Light Co	1,791.7	10,764	.34	5.18	221.8	47.76
Colorado Springs City of	1,494.0	10,655	.40	7.20	168.2	35.85
Colorado Ute Electric Assn Inc	4,710.6	10,309	.40	7.95	91.9	18.94
Commonwealth Edison Co IN Inc	1,384.0	9,481	.43	4.64	284.4	53.93
Commonwealth Edison Co	11,656.8	9,500	.46	6.17	326.2	61.99
Dairyland Power Coop	1,435.7	8,481	.52	5.94	188.4	31.96
Deseret Generation & Tran Coop	654.8	10,645	.43	8.77	196.4	41.81
Detroit Edison Co	8,083.0	9,569	.37	4.20	172.1	32.94
Empire District Electric Co	10.5	8,830	.48	5.38	140.2	24.75
Fremont City of	121.0	11,792	.56	7.21	180.0	42.44
Grand Island City of	208.1	8,116	.35	5.72	183.1	29.72
Grand River Dam Authority	2,499.8	8,276	.32	4.93	138.4	22.91
Gulf States Utilities Co	2,303.0	8,586	.47	6.47	192.0	32.97
Hastings City of	134.3	8,159	.37	5.78	180.2	29.40
Houston Lighting & Power Co	8,844.5	8,396	.37	5.74	247.2	41.51
Indiana & Michigan Electric Co	3,867.2	8,093	.32	5.07	210.1	34.01
Interstate Power Co	632.8	8,390	.34	4.73	228.2	38.30
Iowa Power & Light Co	2,170.7	8,444	.35	5.64	112.5	18.99
Iowa Public Service Co	1,981.7	9,449	.52	6.47	146.8	27.75
Iowa Southern Utilities Co	2,018.6	8,287	.39	5.82	120.6	19.99
Iowa-Illinois Gas&Electric Co	1,820.0	8,331	.38	5.64	116.9	19.48
Kansas City City of	954.7	8,416	.29	4.72	122.0	20.54
Kansas City Power & Light Co	4,998.2	8,630	.34	4.95	99.0	17.08
Kansas Power & Light Co	8,522.3	8,571	.37	5.17	135.0	23.15
Los Angeles City of	1,427.5	11,747	.53	8.88	131.1	30.80
Lower Colorado River Authority	3,142.0	8,885	.37	5.70	177.6	31.57
Marquette City of	112.5	9,119	.52	5.83	219.6	40.05
Minnesota Power & Light Co	2,733.7	8,631	.76	8.22	142.4	24.59
Mississippi Power Co	1,274.2	11,776	.54	7.96	323.6	76.20
Montana Power Co	7,308.0	8,598	.65	9.78	66.3	11.40
Nebraska Public Power District	3,053.3	8,955	.36	4.94	101.4	18.15
Nevada Power Co	1,786.6	11,853	.53	9.11	203.5	48.25
Northern Indiana Pub Serv Co	527.5	11,398	.51	9.00	282.4	64.37
Northern States Power Co	6,046.2	8,690	.53	7.33	129.7	22.55
Oklahoma Gas & Electric Co	5,690.0	8,887	.35	4.85	160.0	28.44
Omaha Public Power District	2,263.8	8,311	.29	4.72	90.6	15.05
Pacific Power & Light Co	15,851.0	8,574	.59	11.32	116.9	20.05
Plains Elec Gen&Trans Coop Inc	605.0	9,478	.77	13.91	164.5	31.18
Platte River Power Authority	1,045.9	8,845	.26	4.77	106.9	18.90
Public Service Co of Colorado	6,170.8	9,302	.37	6.15	126.8	23.59
Public Service Co of NM	5,876.2	9,456	.79	20.68	132.5	25.06
Public Service Co of Oklahoma	2,865.0	8,265	.43	5.96	194.5	32.15
Salt River Proj Ag I & P Dist	8,620.3	10,873	.50	10.04	117.7	25.59
San Antonio City of	2,812.5	8,273	.41	5.89	172.6	28.56
Sierra Pacific Power Co	1,071.5	11,166	.35	8.22	187.6	41.90
Southern California Edison Co	4,756.4	10,998	.55	9.84	102.0	22.43
Southwestern Electric Power Co	6,724.0	8,362	.33	4.66	182.9	30.60
Southwestern Public Service Co	6,803.0	8,857	.37	4.94	168.1	29.78
Sunflower Electric Coop Inc	794.8	8,319	.38	5.52	145.4	24.18
Union Electric Co	28.0	8,800	.34	4.90	201.7	35.51
Utah Power & Light Co	7,064.0	11,043	.55	10.40	133.0	29.39
West Texas Utilities Co	719.0	8,269	.31	4.91	163.3	27.01
Western Farmers Elec Coop Inc	696.6	8,304	.45	5.77	169.8	28.20
Wisconsin Electric Power Co	4,003.1	8,304	.31	4.96	134.1	22.27
Wisconsin Power & Light Co	4,616.5	8,643	.48	6.59	157.6	27.25
Wisconsin Public Service Corp	1,204.0	8,900	.35	4.80	193.2	34.40
Total	**223,071.3**	**9,109**	**.46**	**7.80**	**156.0**	**28.42**

Notes: Totals may not equal sum of components because of independent rounding.
The Western Region includes Arizona, Colorado, Montana, New Mexico, North Dakota, Utah, Washington, and Wyoming.
This table excludes all lignite receipts.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 25. Receipts of Lignite at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Company	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Basin Electric Power Coop	5,244.4	6,651	0.58	8.24	85.2	11.33
Central Louisiana Elec Co Inc	2,253.0	6,864	.58	12.61	118.0	16.19
Coop Power Assn	5,765.9	6,275	.71	10.34	90.0	11.29
Houston Lighting & Power Co	4,000.3	6,701	1.41	17.42	188.4	25.25
Lower Colorado River Authority	44.0	6,243	1.32	14.33	188.6	23.55
Minnkota Power Coop Inc	3,309.7	6,750	.82	7.48	55.9	7.54
Montana-Dakota Utilities Co	2,311.4	6,868	.86	8.04	90.1	12.37
Otter Tail Power Co	2,094.0	6,173	.91	8.04	130.3	16.09
San Miguel Electric Coop Inc	2,364.9	5,362	1.80	24.84	119.2	12.78
Southwestern Electric Power Co	2,520.0	6,811	1.39	10.42	109.6	14.93
Texas Municipal Power Agency	2,963.3	4,746	.95	24.94	153.8	14.60
Texas Utilities Electric Co	30,408.0	6,476	.67	14.59	97.2	12.59
United Power Assn	1,127.0	6,726	.60	9.11	98.7	13.28
Total	**64,405.9**	**6,415**	**.81**	**13.58**	**104.0**	**13.34**

Notes: Totals may not equal sum of components because of independent rounding.
This Table includes all Lignite mined in the continental United States and reported on FERC Form 423.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 26. Origin and Destination of Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by State, 1986 (Thousand Short Tons)

Origin	Alabama	Arizona	Colorado	Illinois	Indiana	Iowa	Kansas	Kentucky	La.	Maryland	Missouri	Montana	N Mexico
Destination													
Alabama	15,192.1	-	-	148.7	3.2	-	-	3,250.7	-	-	-	-	-
Arizona	-	6,628.2	19.0	-	-	-	-	-	-	-	-	19.7	6,199.3
Arkansas	-	-	-	-	-	-	-	-	-	-	-	-	-
California	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	8,325.3	-	-	-	-	-	-	-	-	-	-
Connecticut	-	-	-	-	-	-	-	817.0	-	-	-	-	-
Delaware	-	-	-	-	-	-	-	21.5	-	-	-	-	-
Florida	79.3	-	-	3,934.7	16.4	-	-	10,899.5	-	-	-	-	-
Georgia	827.3	-	-	5,608.7	1,328.2	-	-	13,532.2	-	-	-	-	-
Illinois	-	-	-	17,063.1	1,281.1	-	-	2,547.2	-	-	-	3,036.5	-
Indiana	-	-	325.3	10,213.6	17,639.1	-	-	2,945.8	-	-	-	1,384.0	-
Iowa	-	-	-	1,971.4	416.7	145.6	-	16.7	-	-	80.0	-	-
Kansas	-	-	-	283.9	-	-	1,085.8	-	-	-	511.5	-	-
Kentucky	-	-	-	64.7	2,555.5	-	-	22,261.5	-	-	-	-	-
Louisiana	-	-	-	-	-	-	-	-	2,253.0	-	-	-	-
Maryland	-	-	-	-	-	-	-	338.0	-	1,133.9	-	-	-
Massachusetts	-	-	-	-	-	-	-	-	-	-	-	-	-
Michigan	-	-	-	-	50.3	-	-	11,243.0	-	-	-	8,162.5	22.0
Minnesota	-	-	-	112.7	140.0	-	-	63.0	-	-	-	6,138.0	-
Mississippi	287.1	-	1,047.8	335.5	-	-	-	1,826.7	-	-	-	-	-
Missouri	-	-	-	12,854.4	61.0	-	166.8	62.5	-	-	3,832.0	-	-
Montana	-	-	-	-	-	-	-	-	-	-	-	4,031.1	-
Nebraska	-	-	117.3	-	-	-	-	-	-	-	-	.1	-
Nevada	-	4,756.4	-	-	-	-	-	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	80.1	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-	7.0	-	-	-	-	-
New Mexico	-	-	-	-	-	-	-	-	-	-	-	-	13,763.7
New York	-	-	-	-	-	-	-	99.0	-	-	-	-	-
North Carolina	-	-	-	-	-	-	-	8,270.0	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	3.2	-	-	9,040.2	-	-	-	-	-
Oklahoma	-	-	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania	-	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	6,734.5	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee	-	-	-	2,914.5	71.0	-	-	16,404.3	-	-	-	-	-
Texas	-	-	1,791.7	-	-	-	-	-	-	-	-	2,178.0	158.0
Utah	-	-	654.8	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	2,421.5	-	7.0	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia	-	-	-	-	-	-	-	1,192.4	-	900.2	-	-	-
Wisconsin	-	-	-	1,490.8	1,762.5	-	-	790.9	-	-	-	2,072.9	19.5
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**16,385.7**	**11,384.6**	**12,281.2**	**56,996.7**	**25,328.2**	**145.6**	**1,252.6**	**114,865.4**	**2,253.0**	**2,041.1**	**4,423.5**	**27,022.9**	**20,162.4**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 26. Origin and Destination of Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by State, 1986 (Continued) (Thousand Short Tons)

Origin	N Dakota	Ohio	Okla	Penn.	Tenn.	Texas	Utah	Virginia	Wash.	W Va.	Wyoming	Imports	Total
Destination													
Alabama	-	2,625.5	-	-	829.0	-	-	20.5	-	111.5	-	-	22,181.2
Arizona	-	-	-	-	-	-	-	-	-	-	19.5	-	12,885.7
Arkansas	-	-	-	-	-	-	-	-	-	-	11,855.7	-	11,855.7
California	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	-	-	-	-	26.2	-	-	-	5,069.8	-	13,421.3
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-	817.0
Delaware	-	-	-	931.3	-	-	-	39.3	-	1,304.1	-	-	2,296.2
Florida	-	-	249.4	-	-	-	-	810.3	-	836.1	-	1,485.8	18,311.4
Georgia	-	-	-	-	1,529.8	-	-	3,508.4	-	994.4	-	-	27,329.0
Illinois	-	-	-	-	-	-	-	-	-	418.2	8,620.3	-	32,966.4
Indiana	-	30.9	-	-	-	-	-	-	-	282.0	4,069.4	-	36,890.1
Iowa	-	-	-	-	-	-	-	-	-	-	8,753.9	-	11,384.4
Kansas	-	-	95.9	-	-	-	-	-	-	-	11,925.5	-	13,902.6
Kentucky	-	546.0	-	11.1	29.0	-	-	-	-	2,679.8	-	-	28,147.6
Louisiana	-	-	-	-	-	-	-	-	-	-	7,840.1	-	10,093.1
Maryland	-	-	-	2,824.1	-	-	-	-	-	3,510.6	-	-	7,806.6
Massachusetts	-	-	-	723.4	-	-	-	1,438.7	-	1,786.2	-	-	3,948.3
Michigan	-	1,520.5	-	1,778.5	-	-	-	678.3	-	3,682.2	11.0	-	27,148.4
Minnesota	228.0	-	-	-	-	-	-	-	-	-	2,641.9	-	9,323.6
Mississippi	-	128.3	-	-	74.3	-	226.4	-	-	274.5	-	-	4,200.6
Missouri	-	-	881.4	-	-	-	-	-	-	-	3,383.0	-	21,241.1
Montana	-	-	-	-	-	-	-	-	-	-	3,467.0	-	7,498.1
Nebraska	-	-	-	-	-	-	-	-	-	-	5,663.1	-	5,780.5
Nevada	-	-	-	-	-	-	2,728.9	-	-	-	129.1	-	7,614.5
New Hampshire	-	-	-	-	-	-	-	143.6	-	728.6	-	-	952.3
New Jersey	-	8.0	-	8.0	-	-	-	554.1	-	2,001.9	-	-	2,579.0
New Mexico	-	-	-	-	-	-	-	-	-	-	-	-	13,763.7
New York	-	28.2	-	4,160.7	-	-	-	-	-	2,008.5	-	-	6,296.5
North Carolina	-	-	-	-	210.9	-	-	5,390.0	-	5,274.1	-	-	19,145.0
North Dakota	17,568.3	-	-	-	-	-	-	-	-	-	-	-	17,568.3
Ohio	-	24,371.8	-	3,201.6	-	-	-	62.1	-	10,794.1	-	-	47,473.1
Oklahoma	-	-	255.6	-	-	-	-	-	-	-	11,751.4	-	12,007.0
Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania	-	4,716.3	-	30,983.6	-	-	-	-	-	5,138.3	-	-	40,838.2
South Carolina	-	-	-	.7	38.7	-	-	816.8	-	18.5	-	-	7,609.2
South Dakota	1,866.0	-	-	-	-	-	-	-	-	-	-	-	1,866.0
Tennessee	-	-	-	-	1,811.0	-	-	1,004.2	-	329.8	-	-	22,534.8
Texas	-	-	-	-	-	42,300.5	-	-	-	-	25,042.0	-	71,470.3
Utah	-	-	-	-	-	-	6,723.5	-	-	-	-	-	7,378.3
Virginia	-	-	-	-	-	-	-	3,260.1	-	1,645.1	-	-	7,333.7
Washington	-	-	-	-	-	-	-	-	4,659.0	-	-	-	4,659.0
West Virginia	-	-	-	261.9	-	-	-	10.4	-	28,629.9	-	-	30,994.7
Wisconsin	-	.7	-	1,377.6	-	-	-	37.3	-	95.8	9,166.9	-	16,815.0
Wyoming	-	-	-	-	-	-	-	-	-	-	18,636.5	-	18,636.5
Total	**19,662.3**	**33,976.3**	**1,482.4**	**46,262.4**	**4,522.6**	**42,300.5**	**9,705.0**	**17,774.2**	**4,659.0**	**72,544.2**	**138,046.2**	**1,485.8**	**686,964.1**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 27. Imported Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986

Utility Name Year/Country	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Florida Power Corp						
1984 Colombia S.A.	17.7	12,588	0.71	9.50	248.0	62.44
1985 Colombia S.A.	361.7	12,483	.64	8.94	219.4	54.78
1986 Colombia S.A.	418.3	12,257	.50	5.50	159.9	39.21
1986 Canada	37.0	10,005	.63	13.50	133.4	26.70
Gulf Power						
1982 South Africa	605.0	11,950	.68	12.70	216.2	51.68
1983 South Africa	813.7	12,056	.65	12.00	224.5	54.12
1984 South Africa	616.4	11,914	.64	12.52	243.8	58.10
1985 South Africa	865.5	11,757	.59	12.78	254.5	59.85
1986 South Africa	1,030.5	11,755	.53	12.45	216.9	50.98
New England Power						
1984 Canada	40.0	12,846	.53	8.90	199.4	51.23
1985 Canada	42.7	12,622	.45	9.61	179.0	45.19
Tampa Electric						
1984 Poland	109.3	12,625	.61	7.09	155.5	39.27
Virginia Electric & Power						
1985 Colombia S.A.	29.0	11,795	.73	7.70	175.4	41.38

Note: Included in the average price of imported coal delivered to Florida Power Corporation in 1985 are coal delivered from Virginia, Kentucky, and West Virginia during the months of January through August.

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

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1986

Utility Plant and Unit No.	Net Generating Capacity (Megawatts) by Plant	Net Generating Capacity (Megawatts) by Unit with FGD System	Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal Percent Efficiency
Alabama Electric Coop Inc							
Tombigbee 2	525	235	7809	1.61	New	Limestone	59.5
Tombigbee 3	-	235	7906	1.61	New	Limestone	59.5
Alimito Company							
Springerville 1	-	350	8502	.61	New	Lime/Spray Drying	70.0
Arizona Electric Power Coop Inc							
Apache 2	530	175	7808	.70	New	Limestone	85.0
Apache 3	-	175	7906	.70	New	Limestone	85.0
Arizona Public Service							
Cholla 1	965	115	7310	.50	Retrofit	Limestone	55.0
Cholla 2	-	235	7804	.50	New	Limestone	75.0
Cholla 4	-	350	8103	.50	New	Limestone	95.0
Four Corners 1	2,085	170	7911	.75	Retrofit	Lime/Alkaline Flyash	50.0
Four Corners 2	-	170	7911	.75	Retrofit	Lime/Alkaline Flyash	50.0
Four Corners 3	-	196	7911	.75	Retrofit	Lime/Alkaline Flyash	50.0
Four Corners 4	-	750	8412	.75	Retrofit	Lime	80.0
Four Corners 5	-	750	8412	.75	Retrofit	Lime	80.0
Associated Elec Coop-Missouri							
Thomas Hill 3	1,150	667	8210	4.80	New	Limestone	91.5
Basin Electric Power Coop							
Antelope Valley 1	770	385	8305	.68	New	Lime/Spray Drying	68.0
Antelope Valley 2	-	385	8510	.68	New	Lime/Spray Drying	78.0
Laramie River 1	1,500	545	8007	.54	New	Limestone	90.0
Laramie River 2	-	500	8107	.54	New	Limestone	90.0
Laramie River 3	-	500	8211	.54	New	Lime/Spray Drying	82.5
Big Rivers Rural Electric Coop							
D. B. Wilson 1	880	-	8409	3.75	New	Limestone	-
R. D. Green 1	444	222	7912	3.91	New	Lime	90.0
R. D. Green 2	-	222	8011	3.91	New	Lime	90.0
Central Illinois Light							
Duck Creek 1	378	378	7607	3.40	New	Limestone	85.3
Central Illinois Public Service							
Newton 1	575	575	7909	3.00	New	Dual Alkali	90.0
Central Louisanna Electric							
Dolet Hills 1	640	640	8512	.70	New	Limestone	76.0
Cincinnati Gas and Electric Co							
East Bend 2	650	600	8103	2.60	New	Lime	87.0
City Utilities of Springfield							
Southwest 1	173	173	7704	3.50	New	Limestone	80.0
Colorado-Ute Electric Assn							
Craig 1	1,341	400	8010	.45	New	Limestone	85.0
Craig 2	-	400	7912	.45	New	Limestone	85.0
Craig 3	-	424	8406	.45	New	Lime/Spray Drying	85.0
Columbus and Southern Ohio Elec							
Conesville 5	1,890	373	7701	4.50	New	Lime	89.5
Conesville 6	-	373	7806	4.50	New	Lime	89.5
Commonwealth Edison							
Will County 1	1,147	137	7204	1.50	Retrofit	Particulate Scrubber	76.0
Cooperative Power Association							
Coal Creek 1	1,100	500	7907	.63	New	Lime/Alkaline Flyash	54.0
Coal Creek 2	-	500	8007	.63	New	Lime/Alkaline Flyash	54.0

Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1986 (Continued)

Utility . Plant and Unit No .	Net Generating Capacity (Megawatts) by Plant	Net Generating Capacity (Megawatts) by Unit with FGD System	Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal Percent Efficiency
Deepwater Operating Co							
Deepwater 1	129	129	8603	4.00	New	Limestone	-
Delmarva Power and Light							
Delaware City 1	180	53	8005	7.00	Retrofit	Wellman-Lord	90.0
Delaware City 2	-	53	8005	7.00	Retrofit	Wellman-Lord	90.0
Delaware City 3	-	56	8005	7.00	Retrofit	Wellman-Lord	90.0
Deseret Generating & Trans							
Bonanza 1	800	388	8512	.50	New	Limestone	95.0
Duquesne Light							
Elrama 1-4	487	487	7510	2.05	Retrofit	Lime	83.0
Philips 1-6	387	373	7307	2.05	Retrofit	Lime	83.0
East Kentucky Rural Elec Coop							
Spurlock 2	800	458	8212	3.50	New	Lime	79.4
Grand Haven Light & Power							
J.B. Sims 3	78	58	8305	2.75	New	Lime	90.0
Grand River Dam Authority							
GRDA 2	-	520	8510	.95	New	Lime/Spray Drying	85.0
Hoosier Energy Div-Indiana Rec							
Merom 1	920	460	8208	3.50	New	Limestone	90.0
Merom 2	-	460	8112	3.50	New	Limestone	90.0
Houston Lighting and Power							
Limestone 1	-	720	8510	1.08	New	Limestone	90.0
Limestone 2	-	720	8610	1.08	New	Limestone	90.0
W.A. Parish 8	3,670	545	8210	.41	New	Limestone	70.0
Indianapolis Power and Light							
Petersburg 3	1,180	515	7712	3.25	New	Limestone	85.0
Petersburg 4	-	515	8601	3.50	New	Limestone	90.0
Jacksonville Electric Authority							
St Johns River 1	1,100	550	8612	2.50	New	Limestone	99.8
Kansas City Power and Light							
Lacygne 1	1,450	820	7212	5.39	New	Limestone	80.0
Kansas Power and Light Co							
Jeffrey 1	2,720	680	7808	.32	New	Limestone	60.0
Jeffrey 2	-	680	8001	.32	New	Limestone	60.0
Jeffrey 3	-	680	8305	.32	New	Limestone	60.0
Lawrence 4	576	115	7701	.55	Retrofit	Limestone	73.0
Lawrence 5	-	400	7804	.55	Retrofit	Limestone	52.0
Kentucky Utilities							
Green River 1-3	264	59	7509	2.23	Retrofit	Lime	98.0
Lakeland Dept of Elec Wtr Utils							
Mcintosh 3	570	350	8207	2.56	New	Limestone	85.0
Los Angeles Dept of Water & Pwr							
Intermountain 1	1,600	761	8602	.79	New	Limestone	90.0
Louisville Gas and Electric							
Cane Run 4	992	175	7608	3.87	Retrofit	Lime	85.0
Cane Run 5	-	192	7712	3.80	Retrofit	Lime	85.0
Cane Run 6	-	277	7904	4.80	Retrofit	Dual Alkali	95.0
Mill Creek 1	1,574	334	8012	3.75	Retrofit	Lime	85.0
Mill Creek 2	-	325	8112	3.75	Retrofit	Lime	85.0
Mill Creek 3	-	420	7808	3.87	New	Lime	85.0
Mill Creek 4	-	453	8207	3.75	New	Lime	85.0

Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1986 (Continued)

Utility Plant and Unit No.	Net Generating Capacity (Megawatts) by Plant	Net Generating Capacity (Megawatts) by Unit with FGD System	Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal Percent Efficiency
Marquette Board of Light & Pwr							
Shiras 3	74	40	8303	0.30	New	Lime/Spray Drying	80.0
Michigan So Central Pwr Agency							
Project 1	55	50	8305	2.25	New	Limestone	90.0
Minnesota Power and Light							
Clay Boswell 3	1,000	347	7301	.92	New	Particulate Scrubber	-
Clay Boswell 4	-	504	8002	.94	New	Lime/Alkaline Flyash	89.0
Syl Laskin 1	116	57	7106	1.00	Retrofit	Particulate Scrubber	-
Syl Laskin 2	-	57	7106	1.00	Retrofit	Particulate Scrubber	-
Minnkota Power Coop							
Milton R. Young 2	690	402	7709	.60	New	Lime/Alkaline Flyash	78.0
Monongahela Power (APS)							
Pleasants 1	1,160	580	7812	3.00	New	Lime	90.0
Pleasants 2	-	580	8010	3.00	New	Lime	90.0
Montana Power Co							
Colstrip 1	1,442	332	7509	.78	New	Lime/Alkaline Flyash	60.0
Colstrip 2	-	332	7605	.78	New	Lime/Alkaline Flyash	60.0
Colstrip 3	-	700	8310	.70	New	Lime/Alkaline Flyash	95.0
Colstrip 4	-	700	8512	.70	New	Lime/Alkaline Flyash	95.0
Montana-Dakota Utilities							
Coyote 1	400	400	8104	.87	New	Carbonate/Spray Drying	70.0
Lewis & Clark 1	50	50	7512	.61	Retrofit	Particulate Scrubber	-
Muscatine Power and Water							
Muscatine 9	160	150	8304	3.21	New	Limestone	94.0
Nevada Power							
Reid Gardner 1	580	110	7403	.50	Retrofit	Sodium Carbonate	90.0
Reid Gardner 2	-	110	7404	.50	Retrofit	Sodium Carbonate	90.0
Reid Gardner 3	-	110	7606	.50	New	Sodium Carbonate	85.0
Reid Gardner 4	-	250	8306	.75	New	Sodium Carbonate	85.0
New York State Electric and Gas							
Somerset 1	850	572	8407	2.70	New	Limestone	90.0
Northern Indiana Public Service							
Schahfer 17	-	388	8304	3.20	New	Dual Alkali	90.0
Schahfer 18	-	388	8512	3.20	New	Dual Alkali	90.0
Northern States Power							
Riverside 6-7	350	103	8011	1.20	Retrofit	Lime/Spray Drying	90.0
Sherburne 1	1,420	710	7603	.80	New	Limestone/Alkali Flyash	50.0
Sherburne 2	-	710	7703	.80	New	Limestone/Alkali Flyash	50.0
Pacific Power and Light							
Jim Bridger 2	2,034	508	8606	.56	Retrofit	Sodium Carbonate	-
Jim Bridger 4	2,034	508	7909	.56	New	Sodium Carbonate	91.0
Wyodak 1	-	327	7204	.50	Retrofit	Particulate Scrubber	-
Dave Johnston 4	-	315	8609	.55	Retrofit	Lime/Spray Drying	-
Pennsylvania Power							
Bruce Mansfield 1	2,360	780	7512	3.50	New	Lime	92.1
Bruce Mansfield 2	-	780	7707	3.50	New	Lime	92.1
Bruce Mansfield 3	-	800	8006	4.30	New	Lime	92.2
Philadelphia Electric							
Cromby 1	351	150	8210	2.00	Retrofit	Magnesium Oxide	92.0
Eddystone 1	1,395	208	8209	2.00	Retrofit	Magnesium Oxide	92.0
Eddystone 2	-	290	8211	2.00	Retrofit	Magnesium Oxide	92.0

Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1986 (Continued)

Utility Plant and Unit No.	Net Generating Capacity (Megawatts) by Plant	Net Generating Capacity (Megawatts) by Unit with FGD System	Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal Percent Efficiency
Plains Elec Gen and Trans Coop							
Plains Escalante 1	210	210	8411	0.80	New	Limestone	75.0
Platte River Authority							
Rawhide 1	250	250	8312	.34	New	Lime/Spray Drying	80.0
Potomac Electric Power							
Dickerson 1	1,348	183	7800	2.00	Retrofit	Particulate Scrubber	-
Dickerson 2	-	183	7800	2.00	Retrofit	Particulate Scrubber	-
Dickerson 3	-	178	7509	2.00	Retrofit	Particulate Scrubber	-
Public Service Co of Colorado							
Arapahoe 4	-	109	7309	.80	Retrofit	Particulate Scrubber	-
Cherokee 1	710	100	7306	.65	Retrofit	Particulate Scrubber	-
Cherokee 4	-	350	7407	.65	Retrofit	Particulate Scrubber	-
Valmont 5	274	157	7111	.70	Retrofit	Particulate Scrubber	85.0
Public Service Co of Indiana							
Gibson 5	3,250	613	8210	3.30	New	Limestone	86.0
Public Service Co of New Mexico							
San Juan 1	1,560	314	7804	.80	Retrofit	Wellman-Lord	90.0
San Juan 2	-	306	7808	.80	Retrofit	Wellman-Lord	90.0
San Juan 3	-	468	7912	.80	New	Wellman-Lord	90.0
San Juan 4	-	472	8205	.80	New	Wellman-Lord	90.0
Salt River Project							
Coronado 1	700	350	7911	.55	New	Limestone	82.0
Coronado 2	-	350	8007	.55	New	Limestone	82.0
San Miguel Electric							
San Miguel 1	400	380	8108	2.39	New	Limestone	86.0
Seminole Electric Coop							
Seminole 1	1,240	600	8305	2.75	New	Limestone	86.0
Seminole 2	-	600	8409	2.75	New	Limestone	86.0
Sierra Pacific Power							
Valmy 2	500	250	8506	.50	New	Lime/Spray Drying	70.0
Sikeston Brd of Mun Utilities							
Sikeston 1	207	207	8106	2.80	New	Limestone	80.0
South Carolina Public Serv Auth							
Cross 2	-	450	8310	1.80	New	Limestone	85.8
Winyah 2	1,030	258	7707	1.00	New	Limestone	45.0
Winyah 3	-	252	8007	1.00	New	Limestone	90.0
Winyah 4	-	252	8107	1.70	New	Limestone	80.0
South Mississippi Elec Pwr Assn							
R. D. Morrow 1	400	190	7808	1.64	New	Limestone	85.0
R. D. Morrow 2	-	190	7906	1.64	New	Limestone	85.0
Southern Illinois Power Coop							
Marion 4	272	161	7904	3.75	New	Limestone	89.4
Southern Indiana Gas and Elec							
A. B. Brown 1	500	250	7903	3.35	New	Dual Alkali	85.0
A. B. Brown 2	-	250	8602	3.35	New	Dual Alkali	90.0
Southwestern Electric Pwr (CSW)							
Pirkey 1	670	670	8412	.80	New	Limestone	85.0
Southwestern Public Service							
Harrington 1	350	320	7704	.31	New	Particulate Scrubber	

Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Table 28. Flue Gas Desulfurization (FGD) Capacity in Operation as of December 1986 (Continued)

Utility Plant and Unit No.	Net Generating Capacity (Megawatts)		Initial Start Up Date of FGD System	Average Sulfur Content Percent by Wt	FGD Status	FGD Process	Designed SO2 Removal Percent Efficiency
	by Plant	by Unit with FGD System					
Springfield Wtr Lt and Pwr Dept							
Dallman 3	350	192	8010	3.05	New	Limestone	95.0
Sunflower Electric Coop Inc							
Holcomb 1	280	280	8307	.34	New	Lime/Spray Drying	80.0
Tampa Electric							
Big Bend 4	1,821	419	8412	3.50	New	Limestone	90.0
Tennessee Valley Authority							
Paradise 1	2,558	650	8305	3.20	Retrofit	Limestone	84.0
Paradise 2	-	650	8307	3.20	Retrofit	Limestone	84.0
Widows Creek 7	1,978	575	8103	3.70	Retrofit	Limestone	80.0
Widows Creek 8	-	516	7705	3.30	Retrofit	Limestone	80.0
Texas Municipal Power							
Gibbons Creek 1	400	400	8211	1.06	New	Limestone	87.4
Texas Pwr and Lt (Texas Utils)							
Sandow 4	548	545	8012	1.60	New	Limestone	75.0
Texas Utilities Services Inc							
Martin Lake 1	3,000	750	7704	.90	New	Limestone	71.0
Martin Lake 2	-	750	7805	.90	New	Limestone	71.0
Martin Lake 3	-	750	7902	.90	New	Limestone	71.0
Monticello 3	1,900	750	7805	.50	New	Limestone	74.0
United Power Association							
Stanton 1A	187	56	8207	.77	New	Lime/Spray Drying	72.7
Utah Power and Light							
Hunter 1	1,600	393	7903	.52	New	Lime	80.0
Hunter 2	-	393	8006	.52	New	Lime	80.0
Hunter 3	-	-	8304	.55	New	Limestone	90.0
Huntington 1	810	400	7805	.43	New	Lime	80.0
Naughton 3	710	310	8109	.55	Retrofit	Sodium Carbonate	70.0
West Penn Power (APS)							
Mitchell 33	-	291	8208	2.80	Retrofit	Lime	95.0
West Texas Utilities							
Oklaunion 1	1,440	640	8611	.34	New	Limestone	70.0

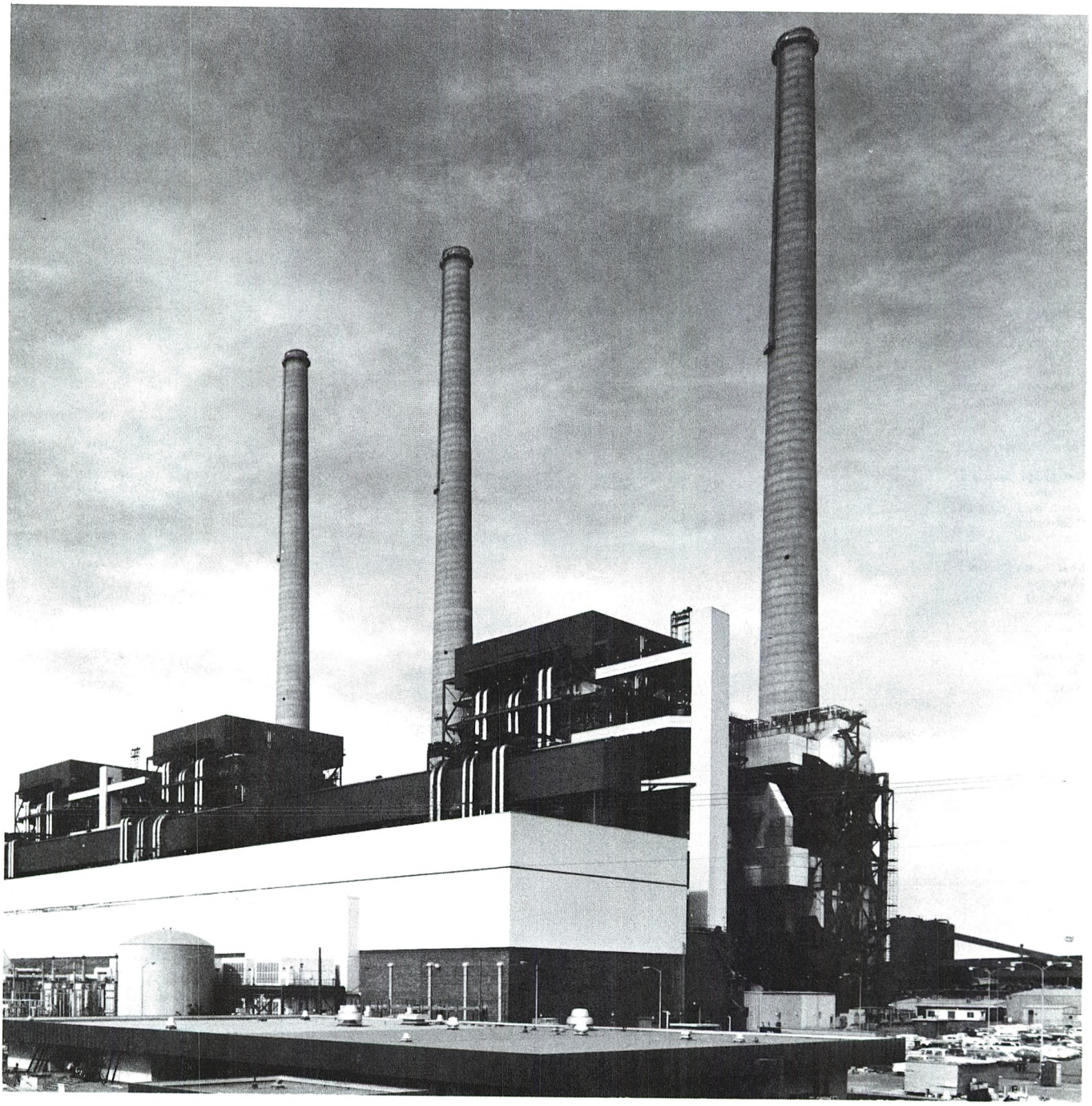
Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Receipt and Cost Data

Introduction

The receipts data for fossil fuels reported on FERC Form 423 are shown by State and Census division in Tables 29 through 37. The annual average costs for the three fossil fuels by State and Census division are contained in Tables 38 through 46. The cost as reported on FERC Form 423 is in cents per million Btu. Also included are average cost in dollars per short ton of coal (Tables 39, 40, and 45); dollars per barrel of petroleum (Tables 41, 42, and 46); and dollars per thousand cubic feet (Mcf) of gas (Tables 43 and 44). These costs were computed for each State and division.

Variations in the average cost per million Btu in relation to the average cost in dollars per short ton of coal and dollars per thousand cubic feet of gas occur because of the wide ranges in average Btu content of some of the fuel types. For instance, the heat content of bituminous coal can be above 13,000 Btu per pound while lignite rarely contains more than 7,500 Btu per pound. Also, the heat content of refinery gas can be above 1,200 Btu per cubic foot while blast-furnace gas contains approximately 90 Btu per cubic foot.



Salt River Project's Navajo generating station received 6.6 million short tons of coal in 1986.

Table 29. Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986 (Thousand Short Tons)

Census Division and State	Receipts by Type of Coal				
	Anthracite	Bituminous	Subbituminous	Lignite	Total
New England	-	**5,717.6**	-	-	**5,717.6**
Connecticut	-	817.0	-	-	817.0
Maine	-	-	-	-	-
Massachusetts	-	3,948.3	-	-	3,948.3
New Hampshire	-	952.3	-	-	952.3
Rhode Island	-	-	-	-	-
Vermont	-	-	-	-	-
Middle Atlantic	**536.0**	**49,177.6**	-	-	**49,713.6**
New Jersey	-	2,579.0	-	-	2,579.0
New York	-	6,296.5	-	-	6,296.5
Pennsylvania	536.0	40,302.2	-	-	40,838.2
East North Central	-	**124,981.0**	**36,312.0**	-	**161,292.9**
Illinois	-	21,309.6	11,656.8	-	32,966.4
Indiana	-	31,638.9	5,251.2	-	36,890.1
Michigan	-	18,974.9	8,173.5	-	27,148.4
Ohio	-	47,473.1	-	-	47,473.1
Wisconsin	-	5,584.5	11,230.5	-	16,815.0
West North Central	-	**23,785.2**	**37,619.1**	**19,662.3**	**81,066.5**
Iowa	-	2,630.4	8,753.9	-	11,304.4
Kansas	-	2,771.3	11,131.3	-	13,902.6
Minnesota	-	315.7	8,779.9	228.0	9,323.6
Missouri	-	17,858.2	3,383.0	-	21,241.1
Nebraska	-	209.6	5,570.9	-	5,780.5
North Dakota	-	-	-	17,568.3	17,568.3
South Dakota	-	-	-	1,866.0	1,866.0
South Atlantic	-	**120,825.9**	-	-	**120,825.9**
Delaware	-	2,296.2	-	-	2,296.2
District of Columbia	-	-	-	-	-
Florida	-	18,311.4	-	-	18,311.4
Georgia	-	27,329.0	-	-	27,329.0
Maryland	-	7,806.6	-	-	7,806.6
North Carolina	-	19,145.0	-	-	19,145.0
South Carolina	-	7,609.2	-	-	7,609.2
Virginia	-	7,333.7	-	-	7,333.7
West Virginia	-	30,994.7	-	-	30,994.7
East South Central	-	**77,064.3**	-	-	**77,064.3**
Alabama	-	22,181.2	-	-	22,181.2
Kentucky	-	28,147.6	-	-	28,147.6
Mississippi	-	4,200.6	-	-	4,200.6
Tennessee	-	22,534.8	-	-	22,534.8
West South Central	-	**2,161.3**	**58,711.2**	**44,553.5**	**105,426.1**
Arkansas	-	-	11,855.7	-	11,855.7
Louisiana	-	-	7,840.1	2,253.0	10,093.1
Oklahoma	-	255.6	11,751.4	-	12,007.0
Texas	-	1,905.7	27,264.0	42,300.5	71,470.3
Mountain	-	**12,940.8**	**68,067.2**	**190.1**	**81,198.1**
Arizona	-	1,844.7	11,041.1	-	12,885.7
Colorado	-	1,494.0	11,927.3	-	13,421.3
Idaho	-	-	-	-	-
Montana	-	-	7,308.0	190.1	7,498.1
Nevada	-	2,728.9	4,885.5	-	7,614.5
New Mexico	-	-	13,763.7	-	13,763.7
Utah	-	6,873.2	505.1	-	7,378.3
Wyoming	-	-	18,636.5	-	18,636.5
Pacific	-	-	**4,659.0**	-	**4,659.0**
California	-	-	-	-	-
Oregon	-	-	-	-	-
Washington	-	-	4,659.0	-	4,659.0
Pacific Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**536.0**	**416,653.7**	**205,368.5**	**64,405.9**	**686,964.1**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 30. Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1982-1986 (Thousand Short Tons)

Census Division and State	1986	1985	1984	1983	1982
New England	**5,717.6**	**6,052.1**	**5,301.2**	**4,252.5**	**3,951.0**
Connecticut	817.0	774.0	110.0	-	-
Maine	-	-	-	-	-
Massachusetts	3,948.3	3,845.4	3,983.8	3,236.5	3,089.0
New Hampshire	952.3	1,432.7	1,207.4	1,016.0	862.0
Rhode Island	-	-	-	-	-
Vermont	-	-	-	-	-
Middle Atlantic	**49,713.6**	**50,030.2**	**54,202.3**	**48,191.4**	**49,299.9**
New Jersey	2,579.0	3,207.4	3,065.6	3,039.9	2,878.6
New York	6,296.5	7,480.4	7,805.1	6,376.0	6,581.9
Pennsylvania	40,838.2	39,342.4	43,331.6	38,775.5	39,839.4
East North Central	**161,292.9**	**151,825.7**	**162,400.6**	**139,520.8**	**141,593.4**
Illinois	32,966.4	31,091.1	32,358.6	31,259.9	30,817.8
Indiana	36,890.1	36,841.7	41,479.8	31,118.8	31,583.4
Michigan	27,148.4	24,057.0	25,102.2	22,412.7	20,464.0
Ohio	47,473.1	44,511.2	47,959.2	40,642.6	45,178.2
Wisconsin	16,815.0	15,324.7	15,500.7	14,086.7	13,550.0
West North Central	**81,066.5**	**86,552.2**	**91,662.2**	**79,063.3**	**77,935.0**
Iowa	11,384.4	12,215.3	12,860.8	11,147.3	10,634.0
Kansas	13,902.6	14,261.3	15,223.8	13,053.0	11,178.7
Minnesota	9,323.6	11,004.5	11,366.1	9,651.6	10,832.5
Missouri	21,241.1	22,161.9	27,387.5	23,167.4	23,794.2
Nebraska	5,780.5	6,387.4	6,276.6	5,333.3	5,850.9
North Dakota	17,568.3	18,352.3	16,239.3	14,696.6	13,645.9
South Dakota	1,866.0	2,169.5	2,308.0	2,014.0	1,998.8
South Atlantic	**120,825.9**	**115,193.8**	**124,208.4**	**104,713.0**	**109,047.3**
Delaware	2,296.2	2,248.6	2,782.9	2,765.2	1,930.2
District of Columbia	-	-	-	-	-
Florida	18,311.4	17,492.4	15,587.8	12,454.6	9,850.6
Georgia	27,329.0	26,256.0	28,550.3	21,855.8	21,169.2
Maryland	7,806.6	6,609.6	8,458.0	6,080.1	5,785.5
North Carolina	19,145.0	19,657.7	19,969.5	20,503.5	24,917.3
South Carolina	7,609.2	8,274.2	7,313.1	6,968.1	8,544.7
Virginia	7,333.7	6,813.8	8,038.3	6,821.9	6,798.5
West Virginia	30,994.7	27,841.5	33,508.5	27,263.9	30,051.4
East South Central	**77,064.3**	**67,842.9**	**68,862.2**	**61,477.6**	**65,553.9**
Alabama	22,181.2	20,504.6	17,121.1	17,090.8	17,561.2
Kentucky	28,147.6	24,677.4	26,981.3	24,380.8	25,502.9
Mississippi	4,200.6	4,009.1	4,207.1	3,594.8	3,773.8
Tennessee	22,534.8	18,651.8	20,552.6	16,411.2	18,716.0
West South Central	**105,426.1**	**104,082.6**	**98,620.7**	**84,121.5**	**73,707.0**
Arkansas	11,855.7	11,883.8	10,751.3	8,793.1	6,793.1
Louisiana	10,093.1	8,308.9	8,023.0	3,616.0	2,547.8
Oklahoma	12,007.0	12,895.0	12,605.0	10,671.1	10,723.3
Texas	71,470.3	70,994.9	67,241.4	61,041.3	53,642.8
Mountain	**81,198.1**	**80,711.1**	**74,780.1**	**67,787.6**	**70,955.7**
Arizona	12,885.7	14,292.5	13,397.4	12,768.8	13,552.0
Colorado	13,421.3	14,171.5	13,684.4	11,770.8	11,829.0
Idaho	-	-	-	-	-
Montana	7,498.1	5,460.0	5,023.0	2,010.4	2,601.1
Nevada	7,614.5	5,604.2	6,606.4	6,423.2	6,589.4
New Mexico	13,763.7	14,133.3	14,368.9	14,242.4	12,362.5
Utah	7,378.3	6,696.0	4,695.0	5,215.0	5,994.0
Wyoming	18,636.5	20,353.6	17,005.0	15,357.0	18,027.7
Pacific	**4,659.0**	**4,452.7**	**4,073.0**	**3,600.0**	**5,534.5**
California	-	-	121.1	-	-
Oregon	-	52.7	351.9	-	1,134.5
Washington	4,659.0	4,400.0	3,600.0	3,600.0	4,400.0
Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**686,964.1**	**666,743.3**	**684,110.7**	**592,727.7**	**597,577.6**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 31. Petroleum Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986 (Thousand Barrels)

Census Division and State	Receipts by Type of Petroleum					
	No. 2 Fuel Oil	No. 4 Fuel Oil[1]	No. 5 Fuel Oil[1]	No. 6 Fuel Oil	Crude Oil[2]	Total
New England	**140.4**	-	-	**61,424.7**	-	**61,565.0**
Connecticut	27.5	-	-	18,034.2	-	18,061.7
Maine	19.1	-	-	4,576.4	-	4,595.5
Massachusetts	77.1	-	-	32,725.3	-	32,802.4
New Hampshire	16.7	-	-	4,646.4	-	4,663.1
Rhode Island	-	-	-	1,442.3	-	1,442.3
Vermont	-	-	-	-	-	-
Middle Atlantic	**1,030.2**	**2.8**	-	**79,353.4**	-	**80,386.4**
New Jersey	28.5	2.8	-	12,268.4	-	12,299.7
New York	87.3	-	-	53,094.0	-	53,181.3
Pennsylvania	914.4	-	-	13,991.0	-	14,905.4
East North Central	**1,640.0**	-	-	**3,855.1**	-	**5,495.0**
Illinois	340.8	-	-	2,286.9	-	2,627.6
Indiana	334.9	-	-	-	-	334.9
Michigan	455.2	-	-	1,496.2	-	1,951.4
Ohio	346.4	-	-	72.0	-	418.4
Wisconsin	162.7	-	-	-	-	162.7
West North Central	**333.8**	-	-	**247.9**	-	**581.7**
Iowa	59.5	-	-	-	-	59.5
Kansas	109.3	-	-	-	-	109.3
Minnesota	18.1	-	-	-	-	18.1
Missouri	78.1	-	-	227.0	-	305.1
Nebraska	4.0	-	-	17.2	-	21.1
North Dakota	42.7	-	-	3.7	-	46.4
South Dakota	22.1	-	-	-	-	22.1
South Atlantic	**2,350.8**	**415.0**	-	**55,414.0**	-	**58,179.8**
Delaware	144.6	-	-	3,458.5	-	3,603.1
District of Columbia	16.2	415.0	-	-	-	431.2
Florida	555.6	-	-	43,859.0	-	44,414.6
Georgia	171.7	-	-	367.2	-	539.0
Maryland	558.5	-	-	4,242.2	-	4,800.7
North Carolina	189.3	-	-	-	-	189.3
South Carolina	101.3	-	-	-	-	101.3
Virginia	202.3	-	-	3,487.0	-	3,689.3
West Virginia	411.3	-	-	-	-	411.3
East South Central	**660.0**	-	-	**1,856.7**	-	**2,516.7**
Alabama	218.9	-	-	-	-	218.9
Kentucky	240.8	-	-	-	-	240.8
Mississippi	63.5	-	-	1,856.7	-	1,920.2
Tennessee	136.8	-	-	-	-	136.8
West South Central	**1,127.5**	-	**54.9**	**696.1**	-	**1,878.6**
Arkansas	116.5	-	-	15.7	-	132.2
Louisiana	43.7	-	-	375.2	-	418.9
Oklahoma	80.1	-	-	-	-	80.1
Texas	887.2	-	54.9	305.2	-	1,247.4
Mountain	**594.9**	-	-	**365.7**	-	**960.6**
Arizona	234.9	-	-	34.6	-	269.5
Colorado	39.0	-	-	-	-	39.0
Idaho	-	-	-	-	-	-
Montana	43.0	-	-	-	-	43.0
Nevada	23.8	-	-	295.3	-	319.1
New Mexico	50.6	-	-	35.8	-	86.4
Utah	72.5	-	-	-	-	72.5
Wyoming	131.1	-	-	-	-	131.1
Pacific	**30.5**	-	-	**7,511.8**	-	**7,542.3**
California	8.3	-	-	7,511.8	-	7,520.1
Oregon	.2	-	-	-	-	.2
Washington	22.0	-	-	-	-	22.0
Pacific Noncontiguous	**28.2**	-	-	**9,387.3**	-	**9,415.5**
Alaska	-	-	-	-	-	-
Hawaii	28.2	-	-	9,387.3	-	9,415.5
Total	**7,936.2**	**417.8**	**54.9**	**220,112.6**	-	**228,521.5**

[1] Blend of No. 2 Fuel Oil and No. 6 Fuel Oil.
[2] Includes small quantities of Topped Crude.
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 32. Petroleum Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1982-1986 (Thousand Barrels)

Census Division and State	1986	1985	1984	1983	1982
New England	**61,565.0**	**45,657.6**	**55,142.2**	**52,126.6**	**54,567.7**
Connecticut	18,061.7	16,618.1	20,489.5	19,606.7	17,523.3
Maine	4,595.5	3,000.2	3,566.1	3,395.0	3,074.8
Massachusetts	32,802.4	23,223.1	27,163.0	25,954.3	30,141.1
New Hampshire	4,663.1	2,261.7	3,334.1	2,667.6	2,849.0
Rhode Island	1,442.3	554.4	589.5	503.0	979.5
Vermont	-	-	-	-	-
Middle Atlantic	**80,386.4**	**64,678.3**	**80,617.3**	**84,461.2**	**73,106.4**
New Jersey	12,299.7	10,593.8	16,598.2	17,075.5	7,877.0
New York	53,181.3	40,773.6	48,690.0	52,828.4	55,688.4
Pennsylvania	14,905.4	13,310.9	15,329.1	14,557.3	9,541.0
East North Central	**5,495.0**	**5,633.1**	**7,042.2**	**6,631.9**	**10,739.1**
Illinois	2,627.6	3,435.9	4,717.4	4,727.2	7,962.7
Indiana	334.9	427.0	345.0	284.3	214.2
Michigan	1,951.4	984.5	1,296.8	1,025.4	1,918.6
Ohio	418.4	573.1	538.4	448.4	489.6
Wisconsin	162.7	212.6	144.7	146.6	154.0
West North Central	**581.7**	**665.5**	**894.3**	**1,288.7**	**1,203.5**
Iowa	59.5	109.3	85.5	62.3	63.4
Kansas	109.3	99.5	204.0	150.9	312.4
Minnesota	18.1	18.5	19.8	58.9	24.7
Missouri	305.1	339.0	416.2	551.6	607.1
Nebraska	21.1	2.5	12.0	62.7	106.8
North Dakota	46.4	80.1	143.8	372.7	77.6
South Dakota	22.1	16.6	13.0	29.7	11.6
South Atlantic	**58,179.8**	**32,716.5**	**43,506.9**	**57,277.6**	**66,818.5**
Delaware	3,603.1	2,676.8	3,219.6	3,401.5	3,389.4
District of Columbia	431.2	256.8	620.5	485.0	219.9
Florida	44,414.6	21,574.3	29,925.3	46,143.6	53,032.0
Georgia	539.0	523.6	121.3	25.0	255.0
Maryland	4,800.7	5,152.0	6,056.4	4,637.2	6,225.8
North Carolina	189.3	206.4	221.8	162.4	216.6
South Carolina	101.3	118.7	111.3	101.8	116.3
Virginia	3,689.3	1,835.8	2,812.9	1,918.7	3,065.0
West Virginia	411.3	372.0	417.8	402.3	298.5
East South Central	**2,516.7**	**822.7**	**828.8**	**693.6**	**918.5**
Alabama	218.9	245.1	183.1	168.4	176.7
Kentucky	240.8	273.5	353.5	232.5	205.4
Mississippi	1,920.2	182.3	150.0	141.8	327.7
Tennessee	136.8	121.8	142.2	150.9	208.6
West South Central	**1,878.6**	**1,426.0**	**2,514.6**	**1,832.1**	**3,328.8**
Arkansas	132.2	122.4	201.2	180.0	189.0
Louisiana	418.9	171.5	219.0	491.5	1,451.6
Oklahoma	80.1	55.6	38.8	46.2	83.4
Texas	1,247.4	1,076.5	2,055.6	1,114.4	1,604.9
Mountain	**960.6**	**633.9**	**531.8**	**563.8**	**621.6**
Arizona	269.5	182.0	180.9	117.4	191.5
Colorado	39.0	33.5	56.9	106.0	67.5
Idaho	-	-	-	-	-
Montana	43.0	86.0	40.3	-	-
Nevada	319.1	43.8	22.1	39.8	101.5
New Mexico	86.4	82.3	59.8	72.6	226.0
Utah	72.5	55.0	54.0	91.0	30.0
Wyoming	131.1	151.4	117.9	137.0	5.0
Pacific	**7,542.3**	**3,523.8**	**2,092.7**	**5,909.2**	**12,876.4**
California	7,520.1	3,494.4	2,061.8	5,883.2	12,860.7
Oregon	.2	15.4	9.9	4.0	15.7
Washington	22.0	14.0	21.0	22.0	-
Noncontiguous	**9,415.5**	**9,189.1**	**9,201.2**	**8,866.8**	**8,599.4**
Alaska	-	-	-	-	-
Hawaii	9,415.5	9,189.1	9,201.2	8,866.8	8,599.4
Total	**228,521.5**	**164,946.5**	**202,372.0**	**219,651.5**	**232,779.9**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 33. Gas Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986 (Thousand Mcf)

Census Division and State	Receipts by Type of Gas			
	Natural Gas	LNG and SNG[1]	Other[2]	Total
New England	**10,918.1**	-	-	**10,918.1**
Connecticut	740.0	-	-	740.0
Maine	-	-	-	-
Massachusetts	10,178.1	-	-	10,178.1
New Hampshire	-	-	-	-
Rhode Island	-	-	-	-
Vermont	-	-	-	-
Middle Atlantic	**156,460.3**	-	-	**156,460.3**
New Jersey	24,270.9	-	-	24,270.9
New York	131,958.8	-	-	131,958.8
Pennsylvania	230.6	-	-	230.6
East North Central	**11,309.6**	-	**6,567.0**	**17,876.6**
Illinois	5,487.1	-	-	5,487.1
Indiana	890.7	-	-	890.7
Michigan	3,452.5	-	6,567.0	10,019.5
Ohio	276.4	-	-	276.4
Wisconsin	1,202.9	-	-	1,202.9
West North Central	**15,999.0**	-	-	**15,999.0**
Iowa	1,241.1	-	-	1,241.1
Kansas	11,349.0	-	-	11,349.0
Minnesota	1,308.7	-	-	1,308.7
Missouri	748.9	-	-	748.9
Nebraska	1,351.3	-	-	1,351.3
North Dakota	-	-	-	-
South Dakota	-	-	-	-
South Atlantic	**151,712.0**	-	**955.0**	**152,667.0**
Delaware	1,275.5	-	392.0	1,667.4
District of Columbia	-	-	-	-
Florida	142,423.6	-	-	142,423.6
Georgia	5,786.6	-	-	5,786.6
Maryland	799.0	-	-	799.0
North Carolina	-	-	-	-
South Carolina	993.9	-	-	993.9
Virginia	276.0	-	563.0	839.0
West Virginia	157.5	-	-	157.5
East South Central	**45,660.2**	-	-	**45,660.2**
Alabama	686.5	-	-	686.5
Kentucky	414.4	-	-	414.4
Mississippi	44,559.3	-	-	44,559.3
Tennessee	-	-	-	-
West South Central	**1,588,124.0**	-	-	**1,588,124.0**
Arkansas	28,444.8	-	-	28,444.8
Louisiana	261,719.8	-	-	261,719.8
Oklahoma	192,270.4	-	-	192,270.4
Texas	1,105,689.1	-	-	1,105,689.1
Mountain	**40,540.7**	-	-	**40,540.7**
Arizona	15,654.1	-	-	15,654.1
Colorado	2,094.5	-	-	2,094.5
Idaho	-	-	-	-
Montana	406.6	-	-	406.6
Nevada	6,432.8	-	-	6,432.8
New Mexico	15,805.6	-	-	15,805.6
Utah	10.0	-	-	10.0
Wyoming	137.0	-	-	137.0
Pacific	**409,527.3**	-	**14.5**	**409,541.8**
California	409,527.3	-	14.5	409,541.8
Oregon	-	-	-	-
Washington	-	-	-	-
Pacific Noncontiguous	-	-	-	-
Alaska	-	-	-	-
Hawaii	-	-	-	-
Total	**2,430,251.4**	-	**7,536.5**	**2,437,787.8**

[1] Liquified Natural Gas and Synthetic Natural Gas.
[2] Includes small quantities of Coke-Oven Gas, Refinery Gas, and Blast-Furnace gas.
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 34. Gas Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1982-1986 (Thousand Mcf)

Census Division and State	1986	1985	1984	1983	1982
New England	**10,918.1**	**43,817.2**	**32,690.6**	**23,528.6**	**14,541.0**
Connecticut	740.0	1,562.3	2,228.2	-	-
Maine	-	-	-	-	-
Massachusetts	10,178.1	39,656.0	26,711.8	20,450.4	13,733.6
New Hampshire	-	-	65.5	-	-
Rhode Island	-	2,598.9	3,685.2	3,078.2	807.4
Vermont	-	-	-	-	-
Middle Atlantic	**156,460.3**	**216,673.1**	**240,530.7**	**208,614.5**	**199,449.9**
New Jersey	24,270.9	45,908.3	72,655.7	74,752.7	50,093.8
New York	131,958.8	170,715.4	167,821.3	133,799.3	149,271.9
Pennsylvania	230.6	49.4	53.7	62.5	84.2
East North Central	**17,876.6**	**13,832.7**	**12,194.6**	**19,395.4**	**12,157.8**
Illinois	5,487.1	4,958.8	4,623.1	7,879.3	2,735.5
Indiana	890.8	900.6	910.0	2,419.8	2,424.9
Michigan	10,019.5	6,804.8	5,158.0	6,443.5	3,109.4
Ohio	276.4	311.5	337.8	409.0	519.8
Wisconsin	1,202.9	857.0	1,165.7	2,243.9	3,368.2
West North Central	**15,999.0**	**21,009.3**	**32,288.5**	**46,714.4**	**50,870.4**
Iowa	1,241.1	1,666.4	1,875.6	2,316.0	1,607.4
Kansas	11,349.0	16,538.7	26,491.2	39,341.6	44,046.8
Minnesota	1,308.7	867.9	1,222.6	1,426.1	1,205.2
Missouri	748.9	949.0	1,546.7	2,537.0	3,396.2
Nebraska	1,351.3	987.3	1,152.3	1,093.8	608.4
North Dakota	-	-	-	-	-
South Dakota	-	-	-	-	6.4
South Atlantic	**152,667.0**	**153,527.3**	**167,113.1**	**165,370.3**	**182,355.8**
Delaware	1,667.4	7,325.3	7,167.4	4,631.0	4,618.0
District of Columbia	-	-	-	-	-
Florida	142,423.6	143,500.6	155,983.7	155,374.3	172,683.7
Georgia	5,786.6	791.8	582.2	1,671.0	1,501.1
Maryland	799.0	-	-	-	-
North Carolina	-	-	-	-	-
South Carolina	993.9	290.2	170.8	303.6	317.8
Virginia	839.0	1,478.0	3,093.0	3,275.0	3,104.0
West Virginia	157.5	141.4	115.9	115.3	131.2
East South Central	**45,660.2**	**52,012.8**	**60,779.1**	**47,309.8**	**80,870.4**
Alabama	686.5	976.3	276.2	443.8	1,340.6
Kentucky	414.4	1,081.0	1,751.4	1,104.1	1,654.4
Mississippi	44,559.3	49,955.5	58,751.4	45,761.9	77,875.4
Tennessee	-	-	-	-	-
West South Central	**1,588,124.0**	**1,682,145.6**	**1,798,190.2**	**1,735,845.4**	**1,855,358.1**
Arkansas	28,444.8	12,101.3	25,265.6	33,682.8	32,290.2
Louisiana	261,719.8	275,501.8	295,342.9	287,999.6	357,180.2
Oklahoma	192,270.4	197,742.4	221,339.4	232,630.4	242,345.0
Texas	1,105,689.1	1,196,800.1	1,256,242.4	1,181,532.5	1,223,542.6
Mountain	**40,540.7**	**53,907.2**	**47,330.3**	**48,300.2**	**72,012.0**
Arizona	15,654.1	21,249.9	12,351.3	12,173.7	23,649.4
Colorado	2,094.5	1,706.2	1,872.1	1,119.1	2,335.6
Idaho	-	-	-	-	-
Montana	406.6	446.5	335.1	312.2	318.7
Nevada	6,432.8	8,154.3	9,348.8	9,527.7	14,884.3
New Mexico	15,805.6	22,096.3	23,151.0	24,720.4	28,626.0
Utah	10.0	97.0	186.0	310.0	2,065.0
Wyoming	137.0	157.0	86.0	137.0	133.0
Pacific	**409,541.8**	**623,667.5**	**546,648.6**	**437,168.9**	**520,490.1**
California	409,541.8	623,667.5	546,648.6	437,168.9	520,490.1
Oregon	-	-	-	-	-
Washington	-	-	-	-	-
Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**2,437,787.8**	**2,860,592.9**	**2,937,765.7**	**2,732,247.5**	**2,988,105.3**

Note: Totals may not equal sum of components because of independent rounding.

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

Table 35. Monthly Coal Statistics for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1986

Census Division	January 1986	February 1986	March 1986	April 1986	May 1986	June 1986
New England						
Receipts Purchased, 1,000 Short Tons	614.7	502.7	573.1	471.2	485.7	510.9
Total Heating Val, Billion Btu	16,414.0	13,378.3	15,207.3	12,491.0	12,908.7	13,423.2
Sulfur Content, % by Weight	1.2	1.2	1.2	1.2	1.3	1.4
Avg. Cost, Cents per Million Btu	204.9	207.6	199.8	186.1	187.9	184.9
Total Est. Coal Bill, $1,000	33,638.7	27,773.0	30,386.3	23,241.7	24,250.3	24,816.4
Middle Atlantic						
Receipts Purchased, 1,000 Short Tons	4,318.6	4,005.0	4,670.4	4,245.7	4,275.4	4,242.4
Total Heating Val, Billion Btu	107,017.1	98,898.2	115,825.4	105,468.9	105,843.1	104,931.8
Sulfur Content, % by Weight	2.0	2.0	2.1	2.0	2.1	2.1
Avg. Cost, Cents per Million Btu	156.1	157.6	156.0	151.7	157.3	150.6
Total Est. Coal Bill, $1,000	167,094.5	155,832.5	180,676.4	159,997.9	166,502.4	158,040.8
East North Central						
Receipts Purchased, 1,000 Short Tons	12,381.4	11,930.9	12,467.4	13,318.1	13,927.5	13,988.2
Total Heating Val, Billion Btu	276,767.1	265,139.8	277,315.2	294,355.5	307,675.4	309,730.1
Sulfur Content, % by Weight	2.1	2.0	2.0	1.9	1.9	1.9
Avg. Cost, Cents per Million Btu	175.0	178.7	176.6	178.8	178.2	175.7
Total Est. Coal Bill, $1,000	484,351.4	473,730.6	489,617.0	526,233.9	548,399.0	544,144.4
West North Central						
Receipts Purchased, 1,000 Short Tons	7,234.0	6,366.5	6,751.0	6,288.9	6,195.8	6,012.3
Total Heating Val, Billion Btu	125,212.0	108,317.8	118,007.3	110,392.9	110,763.4	108,037.6
Sulfur Content, % by Weight	1.1	1.2	1.2	1.3	1.3	1.3
Avg. Cost, Cents per Million Btu	131.3	128.6	131.4	127.0	132.5	129.8
Total Est. Coal Bill, $1,000	164,441.1	139,278.7	155,094.0	140,210.4	146,771.5	140,219.3
South Atlantic						
Receipts Purchased, 1,000 Short Tons	9,919.0	9,568.1	9,909.4	9,844.0	9,738.2	10,045.3
Total Heating Val, Billion Btu	246,586.0	237,312.7	246,449.4	245,505.9	242,513.5	250,242.3
Sulfur Content, % by Weight	1.6	1.5	1.5	1.5	1.5	1.5
Avg. Cost, Cents per Million Btu	181.6	178.4	178.6	178.2	178.4	175.3
Total Est. Coal Bill, $1,000	447,727.0	423,343.2	440,172.4	437,417.1	432,697.0	438,655.9
East South Central						
Receipts Purchased, 1,000 Short Tons	6,450.9	6,064.9	7,017.8	6,747.7	6,425.4	6,876.8
Total Heating Val, Billion Btu	152,754.9	143,885.6	166,950.0	161,169.5	152,817.0	163,944.8
Sulfur Content, % by Weight	2.0	2.0	2.0	2.0	2.0	2.0
Avg. Cost, Cents per Million Btu	161.7	163.7	163.0	160.6	160.2	158.7
Total Est. Coal Bill, $1,000	246,946.5	235,556.5	272,059.2	258,804.1	244,864.8	260,161.8
West South Central						
Receipts Purchased, 1,000 Short Tons	9,135.7	8,183.3	8,572.0	7,115.6	7,967.1	8,439.3
Total Heating Val, Billion Btu	138,950.5	124,847.5	132,905.0	111,071.3	122,189.8	128,848.4
Sulfur Content, % by Weight	.6	.6	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	156.9	158.1	161.4	178.5	164.2	157.3
Total Est. Coal Bill, $1,000	218,016.3	197,433.4	214,558.4	198,210.4	200,611.1	202,702.6
Mountain						
Receipts Purchased, 1,000 Short Tons	7,752.4	6,530.0	6,313.3	5,726.4	5,862.0	6,182.4
Total Heating Val, Billion Btu	150,655.2	125,868.3	122,856.8	111,127.1	114,180.4	119,693.7
Sulfur Content, % by Weight	.5	.6	.6	.5	.5	.6
Avg. Cost, Cents per Million Btu	116.9	120.0	122.1	125.2	116.1	115.8
Total Est. Coal Bill, $1,000	176,190.8	151,080.2	149,969.0	139,143.0	132,572.8	138,627.0
Pacific						
Receipts Purchased, 1,000 Short Tons	450.0	450.0	367.0	430.0	426.0	350.0
Total Heating Val, Billion Btu	7,290.0	7,290.0	5,945.4	6,966.0	6,901.2	5,670.0
Sulfur Content, % by Weight	.6	.7	.6	.5	.7	.7
Avg. Cost, Cents per Million Btu	151.0	154.9	171.8	165.7	164.0	175.2
Total Est. Coal Bill, $1,000	11,007.9	11,292.2	10,212.1	11,544.3	11,320.7	9,933.8
Pacific Noncontiguous						
Receipts Purchased, 1,000 Short Tons	-	-	-	-	-	-
Total Heating Val, Billion Btu	-	-	-	-	-	-
Sulfur Content, % by Weight	-	-	-	-	-	-
Avg. Cost, Cents per Million Btu	-	-	-	-	-	-
Total Est. Coal Bill, $1,000	-	-	-	-	-	-
Total						
Receipts Purchased, 1,000 Short Tons	58,256.6	53,601.4	56,641.3	54,187.7	55,303.2	56,647.8
Total Heating Val, Billion Btu	1,221,646.7	1,124,938.2	1,201,462.0	1,158,548.1	1,175,792.4	1,204,521.9
Sulfur Content, % by Weight	1.4	1.4	1.4	1.4	1.4	1.4
Avg. Cost, Cents per Million Btu	159.6	161.4	161.7	163.5	162.3	159.2
Total Est. Coal Bill, $1,000	1,949,414.1	1,815,320.2	1,942,744.9	1,894,802.8	1,907,989.7	1,917,302.1

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 35. Monthly Coal Statistics for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1986 (Continued)

Census Division	July 1986	August 1986	September 1986	October 1986	November 1986	December 1986	12 Month Total
New England							
Receipts Purchased, 1,000 Short Tons	419.3	375.0	422.0	409.5	472.8	460.7	5,717.6
Total Heating Val, Billion Btu	11,146.5	9,960.7	11,171.1	10,830.3	12,467.6	12,110.6	151,509.3
Sulfur Content, % by Weight	1.1	1.2	1.2	1.2	1.3	1.3	1.2
Avg. Cost, Cents per Million Btu	171.4	179.1	178.5	181.4	181.2	183.2	188.4
Total Est. Coal Bill, $1,000	19,110.1	17,838.6	19,941.3	19,644.5	22,585.3	22,190.1	285,416.3
Middle Atlantic							
Receipts Purchased, 1,000 Short Tons	3,263.1	4,466.2	4,016.4	4,147.1	3,993.5	4,069.8	49,713.6
Total Heating Val, Billion Btu	80,300.5	111,102.1	99,608.9	102,481.1	98,995.7	100,570.9	1,231,043.5
Sulfur Content, % by Weight	2.0	2.1	2.0	2.0	2.0	2.1	2.1
Avg. Cost, Cents per Million Btu	153.1	152.2	148.6	149.6	151.2	152.1	153.1
Total Est. Coal Bill, $1,000	122,967.6	169,124.5	148,015.2	153,287.9	149,708.4	152,991.4	1,884,239.6
East North Central							
Receipts Purchased, 1,000 Short Tons	13,131.5	14,946.9	14,268.3	14,771.9	13,347.0	12,813.9	161,292.9
Total Heating Val, Billion Btu	290,585.4	331,844.9	314,727.4	328,791.6	295,191.7	282,735.6	3,574,859.8
Sulfur Content, % by Weight	1.7	1.8	1.8	1.8	1.8	1.8	1.9
Avg. Cost, Cents per Million Btu	173.7	172.4	170.9	171.9	171.5	172.4	174.6
Total Est. Coal Bill, $1,000	504,731.0	571,939.5	537,719.1	565,240.6	506,344.2	487,566.0	6,240,016.6
West North Central							
Receipts Purchased, 1,000 Short Tons	7,115.6	7,219.8	6,591.7	6,585.1	7,106.0	7,599.9	81,066.5
Total Heating Val, Billion Btu	125,720.7	128,939.1	117,136.5	113,897.4	124,754.7	132,044.7	1,423,224.3
Sulfur Content, % by Weight	1.2	1.3	1.3	1.2	1.2	1.1	1.2
Avg. Cost, Cents per Million Btu	126.7	127.4	127.8	124.9	123.9	121.9	127.7
Total Est. Coal Bill, $1,000	159,350.0	164,287.2	149,642.0	142,236.5	154,521.7	160,920.8	1,816,973.1
South Atlantic							
Receipts Purchased, 1,000 Short Tons	8,399.3	10,935.2	10,449.5	11,733.7	9,897.4	10,386.7	120,825.9
Total Heating Val, Billion Btu	208,986.7	272,163.4	260,381.8	291,372.9	245,532.0	257,233.5	3,004,279.9
Sulfur Content, % by Weight	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Avg. Cost, Cents per Million Btu	176.0	170.1	170.5	168.6	166.9	168.3	174.0
Total Est. Coal Bill, $1,000	367,732.1	463,081.9	443,933.7	491,319.7	409,686.1	433,020.3	5,228,786.5
East South Central							
Receipts Purchased, 1,000 Short Tons	5,664.2	6,503.5	6,734.6	6,418.0	5,897.2	6,263.2	77,064.3
Total Heating Val, Billion Btu	134,923.1	154,585.3	159,788.5	151,428.3	138,945.3	147,029.9	1,828,222.2
Sulfur Content, % by Weight	1.9	1.9	2.0	2.2	2.1	2.2	2.0
Avg. Cost, Cents per Million Btu	162.0	160.9	158.4	150.7	151.0	149.5	158.4
Total Est. Coal Bill, $1,000	218,518.3	248,800.0	253,139.1	228,178.8	209,788.9	219,878.1	2,896,696.2
West South Central							
Receipts Purchased, 1,000 Short Tons	9,301.2	9,812.5	8,957.6	8,765.1	9,052.7	10,124.0	105,426.1
Total Heating Val, Billion Btu	142,738.4	151,019.9	138,261.8	134,251.7	139,929.8	154,741.2	1,619,755.3
Sulfur Content, % by Weight	.6	.6	.6	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	156.6	154.2	156.4	158.2	157.2	151.0	158.7
Total Est. Coal Bill, $1,000	223,483.7	232,877.9	216,296.0	212,350.3	219,969.5	233,680.3	2,570,189.9
Mountain							
Receipts Purchased, 1,000 Short Tons	6,325.7	7,158.0	7,529.5	7,420.7	7,090.9	7,306.7	81,198.1
Total Heating Val, Billion Btu	121,426.4	138,843.8	146,648.2	144,989.7	138,963.6	142,023.5	1,577,276.7
Sulfur Content, % by Weight	.6	.6	.6	.5	.5	.5	.5
Avg. Cost, Cents per Million Btu	112.8	113.8	111.5	112.9	112.7	111.0	115.7
Total Est. Coal Bill, $1,000	136,983.4	157,998.5	163,498.7	163,748.4	156,680.4	157,669.1	1,824,161.4
Pacific							
Receipts Purchased, 1,000 Short Tons	360.0	360.0	360.0	386.0	360.0	360.0	4,659.0
Total Heating Val, Billion Btu	5,832.0	5,832.0	5,832.0	6,253.2	5,832.0	5,832.0	75,475.8
Sulfur Content, % by Weight	.6	.7	.8	.8	.8	.8	.7
Avg. Cost, Cents per Million Btu	167.6	170.1	171.1	168.3	184.1	188.2	168.6
Total Est. Coal Bill, $1,000	9,774.4	9,920.2	9,978.6	10,523.9	10,736.7	10,975.8	127,220.7
Pacific Noncontiguous							
Receipts Purchased, 1,000 Short Tons	-	-	-	-	-	-	-
Total Heating Val, Billion Btu	-	-	-	-	-	-	-
Sulfur Content, % by Weight	-	-	-	-	-	-	-
Avg. Cost, Cents per Million Btu	-	-	-	-	-	-	-
Total Est. Coal Bill, $1,000	-	-	-	-	-	-	-
Total							
Receipts Purchased, 1,000 Short Tons	53,980.0	61,777.1	59,329.7	60,637.1	57,217.4	59,384.9	686,964.1
Total Heating Val, Billion Btu	1,121,659.6	1,304,291.2	1,253,556.3	1,284,296.3	1,200,612.4	1,234,321.8	14,485,646.8
Sulfur Content, % by Weight	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Avg. Cost, Cents per Million Btu	157.1	156.1	154.9	154.7	153.3	152.2	157.9
Total Est. Coal Bill, $1,000	1,762,650.7	2,035,868.4	1,942,163.6	1,986,530.6	1,840,021.3	1,878,892.0	22,873,700.3

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 36. Monthly Petroleum Statistics for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1986

Census Division	January 1986	February 1986	March 1986	April 1986	May 1986	June 1986
New England						
Receipts Purchased, 1,000 Bbls	6,825.0	5,762.4	5,013.5	3,559.9	5,008.4	4,276.1
Total Heating Val, Billion Btu	43,322.0	36,442.5	31,668.2	22,441.8	31,742.1	26,960.0
Sulfur Content, % by Weight	1.4	1.2	1.4	1.2	1.4	1.3
Avg. Cost, Cents per Million Btu	373.0	287.9	245.0	213.9	198.2	201.2
Total Est. Oil Bill, $1,000	161,582.7	104,918.5	77,596.4	47,998.5	62,898.5	54,255.8
Middle Atlantic						
Receipts Purchased, 1,000 Bbls	7,187.9	7,048.6	5,607.0	4,399.1	5,470.9	8,532.0
Total Heating Val, Billion Btu	45,070.6	44,115.3	34,904.0	27,457.5	34,266.2	53,439.2
Sulfur Content, % by Weight	1.0	1.0	.9	.8	1.1	1.0
Avg. Cost, Cents per Million Btu	399.5	303.6	266.4	234.6	220.9	217.0
Total Est. Oil Bill, $1,000	180,036.1	133,923.2	92,969.8	64,416.7	75,699.1	115,960.9
East North Central						
Receipts Purchased, 1,000 Bbls	302.9	305.1	402.4	377.0	510.4	405.4
Total Heating Val, Billion Btu	1,831.2	1,869.6	2,492.1	2,290.7	3,052.2	2,472.5
Sulfur Content, % by Weight	.5	.5	.6	.5	.6	.6
Avg. Cost, Cents per Million Btu	556.4	521.5	529.4	433.9	465.8	379.0
Total Est. Oil Bill, $1,000	10,188.3	9,750.2	13,192.1	9,940.0	14,218.3	9,371.0
West North Central						
Receipts Purchased, 1,000 Bbls	65.8	69.5	48.2	18.8	35.1	46.0
Total Heating Val, Billion Btu	401.3	425.2	295.9	115.5	209.0	271.7
Sulfur Content, % by Weight	1.1	1.0	1.1	1.2	.8	.5
Avg. Cost, Cents per Million Btu	421.5	344.0	299.6	305.5	306.4	294.4
Total Est. Oil Bill, $1,000	1,691.7	1,462.5	886.7	352.8	640.4	799.7
South Atlantic						
Receipts Purchased, 1,000 Bbls	1,349.6	3,022.6	3,311.6	4,183.9	6,009.9	6,483.3
Total Heating Val, Billion Btu	8,416.8	19,101.3	20,908.1	26,373.6	38,049.9	40,808.8
Sulfur Content, % by Weight	1.1	1.2	1.0	1.1	1.2	1.1
Avg. Cost, Cents per Million Btu	402.2	289.5	259.1	227.8	215.6	214.6
Total Est. Oil Bill, $1,000	33,855.4	55,303.5	54,176.6	60,091.4	82,041.6	87,586.3
East South Central						
Receipts Purchased, 1,000 Bbls	75.5	46.9	50.8	43.6	87.9	549.1
Total Heating Val, Billion Btu	439.8	272.5	295.5	254.0	518.8	3,427.1
Sulfur Content, % by Weight	.3	.4	.3	.4	.8	2.7
Avg. Cost, Cents per Million Btu	566.9	413.0	352.5	343.8	355.5	190.1
Total Est. Oil Bill, $1,000	2,493.1	1,125.1	1,041.6	873.4	1,844.4	6,515.7
West South Central						
Receipts Purchased, 1,000 Bbls	104.1	44.1	18.7	21.3	64.0	160.8
Total Heating Val, Billion Btu	618.8	265.7	108.7	123.1	373.6	944.8
Sulfur Content, % by Weight	.4	.5	.4	.4	.3	.4
Avg. Cost, Cents per Million Btu	536.1	474.1	390.0	500.2	405.3	301.5
Total Est. Oil Bill, $1,000	3,317.3	1,259.8	424.1	615.9	1,514.3	2,848.5
Mountain						
Receipts Purchased, 1,000 Bbls	59.3	56.5	52.3	78.1	88.4	70.6
Total Heating Val, Billion Btu	359.0	330.8	308.2	467.5	537.4	424.3
Sulfur Content, % by Weight	.4	.2	.3	.4	.5	.3
Avg. Cost, Cents per Million Btu	521.8	520.0	392.0	316.2	268.2	259.7
Total Est. Oil Bill, $1,000	1,873.4	1,720.4	1,207.9	1,478.2	1,441.3	1,102.0
Pacific						
Receipts Purchased, 1,000 Bbls	1,437.8	165.5	1,088.8	262.4	302.0	37.0
Total Heating Val, Billion Btu	8,800.5	1,012.9	6,699.4	1,596.3	1,911.6	228.6
Sulfur Content, % by Weight	.3	.3	.3	.2	.4	.2
Avg. Cost, Cents per Million Btu	482.2	322.5	246.8	194.5	181.0	227.6
Total Est. Oil Bill, $1,000	42,440.2	3,267.1	16,531.6	3,104.6	3,459.3	520.2
Pacific Noncontiguous						
Receipts Purchased, 1,000 Bbls	661.6	566.6	1,131.0	527.2	997.0	969.8
Total Heating Val, Billion Btu	4,130.2	3,542.3	7,060.7	3,307.1	6,251.2	6,108.3
Sulfur Content, % by Weight	.5	.5	.4	.4	.4	.4
Avg. Cost, Cents per Million Btu	472.1	458.6	339.5	282.6	266.0	249.6
Total Est. Oil Bill, $1,000	19,498.8	16,245.0	23,972.7	9,347.0	16,625.9	15,243.9
Total						
Receipts Purchased, 1,000 Bbls	18,069.6	17,087.9	16,724.3	13,471.3	18,573.9	21,530.1
Total Heating Val, Billion Btu	113,390.3	107,378.2	104,740.8	84,427.2	116,912.1	135,085.2
Sulfur Content, % by Weight	1.1	1.1	1.0	1.0	1.1	1.1
Avg. Cost, Cents per Million Btu	403.0	306.4	269.2	234.8	222.7	217.8
Total Est. Oil Bill, $1,000	456,976.9	328,975.4	281,999.6	198,218.5	260,383.1	294,204.1

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 36. Monthly Petroleum Statistic for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, Electric Plants of 50-Megawatt Capacity by Census Division, 1986 (Continued)

Census Division	July 1986	August 1986	September 1986	October 1986	November 1986	December 1986	12 Month Total
New England							
Receipts Purchased, 1,000 Bbls	6,252.1	5,969.0	3,745.7	4,655.5	4,099.8	6,397.7	61,565.0
Total Heating Val, Billion Btu	39,393.4	37,692.5	23,700.6	29,456.9	25,978.7	40,599.4	389,398.2
Sulfur Content, % by Weight	1.2	1.3	1.3	1.4	1.3	1.4	1.3
Avg. Cost, Cents per Million Btu	173.1	174.4	198.4	199.1	209.8	233.0	230.6
Total Est. Oil Bill, $1,000	68,190.3	65,747.8	47,033.3	58,643.2	54,514.8	94,612.4	897,992.3
Middle Atlantic							
Receipts Purchased, 1,000 Bbls	7,824.9	9,482.3	5,623.4	4,206.8	5,799.5	9,204.0	80,386.4
Total Heating Val, Billion Btu	48,738.0	59,277.1	35,212.4	26,480.6	36,343.4	57,313.7	502,618.1
Sulfur Content, % by Weight	.9	.8	1.0	.9	.8	.7	.9
Avg. Cost, Cents per Million Btu	182.0	197.1	218.2	218.6	231.4	262.0	246.2
Total Est. Oil Bill, $1,000	88,726.7	116,832.4	76,844.1	57,894.9	84,105.2	150,139.9	1,237,548.9
East North Central							
Receipts Purchased, 1,000 Bbls	525.4	817.2	401.5	290.4	616.1	541.4	5,495.0
Total Heating Val, Billion Btu	3,247.0	5,110.3	2,474.5	1,736.0	3,826.6	3,334.3	33,737.1
Sulfur Content, % by Weight	.6	.7	.7	.4	.6	.5	.6
Avg. Cost, Cents per Million Btu	422.1	327.2	353.7	276.3	338.5	364.1	402.3
Total Est. Oil Bill, $1,000	13,704.1	16,720.7	8,752.1	4,796.2	12,953.5	12,141.2	135,727.9
West North Central							
Receipts Purchased, 1,000 Bbls	43.9	24.0	25.8	66.4	55.5	82.6	581.7
Total Heating Val, Billion Btu	259.9	146.0	154.7	389.9	335.1	506.0	3,510.1
Sulfur Content, % by Weight	.6	.7	.7	.6	1.0	1.1	.9
Avg. Cost, Cents per Million Btu	247.0	247.4	334.7	280.9	251.3	242.7	299.7
Total Est. Oil Bill, $1,000	642.1	361.3	517.6	1,095.0	842.0	1,228.1	10,519.9
South Atlantic							
Receipts Purchased, 1,000 Bbls	8,548.4	7,786.9	6,882.3	3,228.8	2,615.1	4,757.5	58,179.8
Total Heating Val, Billion Btu	53,956.1	49,068.4	43,497.3	20,312.8	16,476.3	29,939.4	366,908.8
Sulfur Content, % by Weight	1.1	1.1	1.1	1.3	1.0	1.1	1.1
Avg. Cost, Cents per Million Btu	177.6	195.1	215.3	216.0	228.5	245.6	221.7
Total Est. Oil Bill, $1,000	95,829.5	95,750.7	93,628.5	43,885.3	37,655.3	73,534.0	813,338.1
East South Central							
Receipts Purchased, 1,000 Bbls	661.0	358.9	66.3	30.9	101.2	444.5	2,516.7
Total Heating Val, Billion Btu	4,125.8	2,251.5	403.3	179.6	617.7	2,766.2	15,551.9
Sulfur Content, % by Weight	2.7	2.8	1.5	.3	1.9	2.7	2.4
Avg. Cost, Cents per Million Btu	228.9	227.4	296.5	317.9	263.8	213.6	242.8
Total Est. Oil Bill, $1,000	9,445.6	5,119.5	1,195.9	571.2	1,629.9	5,907.9	37,763.4
West South Central							
Receipts Purchased, 1,000 Bbls	379.9	779.2	135.2	39.6	53.3	78.3	1,878.6
Total Heating Val, Billion Btu	2,316.4	4,763.1	793.0	230.6	317.5	455.0	11,310.4
Sulfur Content, % by Weight	.5	.6	.4	.4	.5	.3	.5
Avg. Cost, Cents per Million Btu	191.3	191.8	282.6	352.7	326.2	305.6	256.6
Total Est. Oil Bill, $1,000	4,431.4	9,133.8	2,240.9	813.4	1,035.8	1,390.3	29,025.5
Mountain							
Receipts Purchased, 1,000 Bbls	116.9	91.9	86.1	85.0	58.0	117.5	960.6
Total Heating Val, Billion Btu	698.7	545.6	514.8	507.1	348.3	717.1	5,758.9
Sulfur Content, % by Weight	.2	.2	.2	.2	.6	.6	.3
Avg. Cost, Cents per Million Btu	273.0	281.0	288.1	282.9	268.3	230.8	308.6
Total Est. Oil Bill, $1,000	1,907.2	1,533.1	1,483.3	1,434.5	934.8	1,654.7	17,770.8
Pacific							
Receipts Purchased, 1,000 Bbls	113.0	2,068.8	432.5	451.5	510.6	672.4	7,542.3
Total Heating Val, Billion Btu	701.2	12,727.9	2,665.3	2,829.3	3,192.9	4,155.6	46,521.6
Sulfur Content, % by Weight	.2	.3	.3	.5	.3	*	.3
Avg. Cost, Cents per Million Btu	203.6	323.2	194.2	169.2	309.1	373.4	316.5
Total Est. Oil Bill, $1,000	1,427.6	41,132.4	5,177.1	4,787.8	9,867.9	15,517.4	147,233.1
Pacific Noncontiguous							
Receipts Purchased, 1,000 Bbls	567.8	804.7	1,015.2	649.1	788.1	737.4	9,415.5
Total Heating Val, Billion Btu	3,561.8	5,090.8	6,283.9	4,033.7	4,924.5	4,636.4	58,931.0
Sulfur Content, % by Weight	.4	.4	.3	.3	.4	.4	.4
Avg. Cost, Cents per Million Btu	256.6	224.4	211.5	247.1	248.9	257.7	286.7
Total Est. Oil Bill, $1,000	9,138.1	11,421.8	13,290.1	9,968.2	12,257.2	11,948.0	168,956.7
Total							
Receipts Purchased, 1,000 Bbls	25,033.2	28,182.9	18,413.9	13,704.1	14,697.1	23,033.3	228,521.5
Total Heating Val, Billion Btu	156,998.4	176,673.3	115,699.8	86,156.7	92,361.1	144,423.1	1,434,246.1
Sulfur Content, % by Weight	1.1	1.0	1.0	1.1	.9	1.0	1.0
Avg. Cost, Cents per Million Btu	186.9	205.9	216.2	213.4	233.6	254.9	243.7
Total Est. Oil Bill, $1,000	293,442.6	363,753.7	250,162.8	183,889.7	215,796.4	368,073.8	3,495,876.6

* = Number less than 0.05

Note: Totals may not equal sum of components because of independent rounding.

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

Table 37. Monthly Gas Statistics for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1986

Census Division	January 1986	February 1986	March 1986	April 1986	May 1986	June 1986
New England						
Qnty Purchased: Firm 1,000 Mcf	22.6	4.7	4.7	4.2	2.7	-
Interruptible 1,000 Mcf[1]	.9	6.2	165.9	90.9	564.1	2,415.7
Total 1,000 Mcf	23.5	10.9	170.6	95.1	566.8	2,415.7
Total Heating Val, Billion Btu	24.4	11.0	170.8	95.3	580.4	2,480.2
Avg. Cost, Cents per Million Btu	638.5	534.9	301.1	294.0	254.2	235.9
Total Est. Gas Bill, $1,000	155.9	58.9	514.2	280.2	1,475.3	5,850.4
Middle Atlantic						
Qnty Purchased: Firm 1,000 Mcf	4,877.9	4,247.0	4,705.0	6,788.0	8,705.0	7,667.0
Interruptible 1,000 Mcf[1]	6,380.2	2,686.0	3,264.2	5,908.1	10,420.3	11,508.2
Total 1,000 Mcf	11,258.1	6,933.0	7,969.2	12,696.1	19,125.3	19,175.2
Total Heating Val, Billion Btu	11,617.3	7,172.8	8,235.2	13,140.8	19,870.1	19,889.4
Avg. Cost, Cents per Million Btu	336.3	289.5	271.2	242.6	234.7	216.8
Total Est. Gas Bill, $1,000	39,068.0	20,767.8	22,337.5	31,884.4	46,636.4	43,111.3
East North Central						
Qnty Purchased: Firm 1,000 Mcf	300.9	230.9	413.2	341.2	1,080.2	988.4
Interruptible 1,000 Mcf[1]	1,230.4	1,054.1	678.3	562.0	742.2	930.3
Total 1,000 Mcf	1,531.3	1,285.0	1,091.5	903.2	1,822.4	1,918.7
Total Heating Val, Billion Btu	807.4	712.8	763.0	689.9	1,529.0	1,569.9
Avg. Cost, Cents per Million Btu	459.2	421.4	452.1	439.9	471.4	453.2
Total Est. Gas Bill, $1,000	3,707.7	3,003.6	3,449.1	3,034.9	7,208.2	7,114.5
West North Central						
Qnty Purchased: Firm 1,000 Mcf	89.9	78.0	78.6	121.0	202.9	62.5
Interruptible 1,000 Mcf[1]	1,102.9	1,003.4	863.4	937.5	861.0	1,670.8
Total 1,000 Mcf	1,192.8	1,081.4	942.1	1,058.5	1,063.9	1,733.2
Total Heating Val, Billion Btu	1,153.8	1,058.9	925.3	1,030.5	1,035.4	1,691.8
Avg. Cost, Cents per Million Btu	288.5	286.1	291.9	280.4	276.2	287.8
Total Est. Gas Bill, $1,000	3,329.0	3,029.8	2,700.7	2,889.8	2,860.1	4,869.4
South Atlantic						
Qnty Purchased: Firm 1,000 Mcf	5,368.3	6,202.2	8,481.6	9,306.7	8,045.9	9,671.3
Interruptible 1,000 Mcf[1]	3,084.5	3,077.5	3,243.1	3,761.2	4,102.4	4,715.2
Total 1,000 Mcf	8,452.8	9,279.7	11,724.7	13,067.9	12,148.3	14,386.5
Total Heating Val, Billion Btu	8,539.9	9,363.2	11,812.9	13,164.7	12,260.3	14,516.0
Avg. Cost, Cents per Million Btu	326.7	226.9	227.6	204.7	202.3	189.2
Total Est. Gas Bill, $1,000	27,898.2	21,243.3	26,885.7	26,950.7	24,805.1	27,469.0
East South Central						
Qnty Purchased: Firm 1,000 Mcf	3,387.4	3,780.0	1,554.1	943.2	1,774.4	4,539.2
Interruptible 1,000 Mcf[1]	43.9	136.5	59.3	89.9	44.9	50.1
Total 1,000 Mcf	3,431.3	3,916.5	1,613.5	1,033.1	1,819.3	4,589.4
Total Heating Val, Billion Btu	3,623.0	4,095.6	1,675.6	1,071.9	1,878.6	4,760.6
Avg. Cost, Cents per Million Btu	273.2	287.8	238.5	216.2	227.0	195.8
Total Est. Gas Bill, $1,000	9,897.0	11,787.3	3,996.9	2,317.1	4,264.4	9,319.9
West South Central						
Qnty Purchased: Firm 1,000 Mcf	85,286.9	79,833.1	88,302.1	97,427.4	114,295.2	126,196.2
Interruptible 1,000 Mcf[1]	12,681.5	14,080.1	22,544.8	27,721.9	26,027.1	30,270.6
Total 1,000 Mcf	97,968.4	93,913.2	110,846.9	125,149.3	140,322.3	156,466.8
Total Heating Val, Billion Btu	101,111.4	97,078.8	114,822.9	129,963.8	145,426.5	162,129.9
Avg. Cost, Cents per Million Btu	270.1	260.7	246.6	232.3	221.2	213.1
Total Est. Gas Bill, $1,000	273,116.5	253,091.5	283,205.7	301,922.4	321,614.7	345,469.0
Mountain						
Qnty Purchased: Firm 1,000 Mcf	1,976.0	1,386.7	1,037.7	775.9	1,717.6	2,471.1
Interruptible 1,000 Mcf[1]	1,345.6	995.6	1,193.8	2,322.7	2,538.5	2,603.2
Total 1,000 Mcf	3,321.6	2,382.3	2,231.5	3,098.6	4,256.1	5,074.3
Total Heating Val, Billion Btu	3,426.0	2,472.5	2,344.6	3,295.4	4,508.2	5,290.3
Avg. Cost, Cents per Million Btu	356.7	328.6	330.2	303.4	268.6	265.3
Total Est. Gas Bill, $1,000	12,218.8	8,123.4	7,742.8	9,996.7	12,111.2	14,035.2
Pacific						
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	42,408.4	26,891.4	22,015.3	27,758.6	34,801.8	39,688.0
Total 1,000 Mcf	42,408.4	26,891.4	22,015.3	27,758.6	34,801.8	39,688.0
Total Heating Val, Billion Btu	44,359.5	28,086.3	23,131.9	29,071.0	36,506.6	41,522.1
Avg. Cost, Cents per Million Btu	402.0	359.1	298.1	265.9	287.3	253.3
Total Est. Gas Bill, $1,000	178,327.0	100,846.3	68,952.7	77,287.0	104,868.3	105,160.5
Pacific Noncontiguous						
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	-	-	-	-	-	-
Total 1,000 Mcf	-	-	-	-	-	-
Total Heating Val, Billion Btu	-	-	-	-	-	-
Avg. Cost, Cents per Million Btu	-	-	-	-	-	-
Total Est. Gas Bill, $1,000	-	-	-	-	-	-
Total						
Qnty Purchased: Firm 1,000 Mcf	101,310.0	95,762.6	104,577.0	115,707.6	135,823.9	151,595.7
Interruptible 1,000 Mcf[1]	68,278.3	49,930.8	54,028.1	69,152.9	80,102.2	93,852.1
Total 1,000 Mcf	169,588.2	145,693.4	158,605.1	184,860.5	215,926.1	245,447.8
Total Heating Val, Billion Btu	174,662.7	150,051.8	163,882.0	191,523.4	223,595.1	253,850.3
Avg. Cost, Cents per Million Btu	313.6	281.2	256.2	238.4	235.2	221.5
Total Est. Gas Bill, $1,000	547,718.1	421,951.9	419,785.2	456,563.2	525,843.6	562,399.2

[1] Includes Off-Peak Gas.
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 37. Monthly Gas Statistics for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division, 1986 (Continued)

Census Division	July 1986	August 1986	September 1986	October 1986	November 1986	December 1986	12 Month Total
New England							
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	5.9	39.8	84.7
Interruptible 1,000 Mcf[1]	689.0	997.5	2,360.6	2,804.9	642.0	95.7	10,833.4
Total 1,000 Mcf	689.0	997.5	2,360.6	2,804.9	647.9	135.5	10,918.1
Total Heating Val, Billion Btu	710.1	1,032.5	2,421.6	2,925.8	650.5	136.7	11,239.3
Avg. Cost, Cents per Million Btu	259.0	204.7	211.1	206.3	218.6	368.9	225.7
Total Est. Gas Bill, $1,000	1,839.0	2,113.9	5,112.9	6,035.9	1,422.3	504.2	25,363.0
Middle Atlantic							
Qnty Purchased: Firm 1,000 Mcf	7,765.0	9,000.0	7,254.0	6,613.0	2,542.0	363.0	70,526.9
Interruptible 1,000 Mcf[1]	6,236.1	9,595.3	11,341.6	10,585.2	5,358.1	2,650.2	85,933.4
Total 1,000 Mcf	14,001.1	18,595.3	18,595.6	17,198.2	7,900.1	3,013.2	156,460.3
Total Heating Val, Billion Btu	14,518.5	19,256.6	19,268.3	17,790.8	8,158.5	3,114.1	162,032.3
Avg. Cost, Cents per Million Btu	184.7	195.3	204.9	203.8	218.4	261.9	228.3
Total Est. Gas Bill, $1,000	26,819.8	37,599.2	39,478.0	36,266.0	17,814.8	8,154.9	369,938.2
East North Central							
Qnty Purchased: Firm 1,000 Mcf	747.8	516.2	288.6	298.4	236.0	275.8	5,717.6
Interruptible 1,000 Mcf[1]	961.6	1,094.4	1,532.1	945.0	1,144.6	1,284.1	12,159.0
Total 1,000 Mcf	1,709.4	1,610.6	1,820.7	1,243.4	1,380.6	1,559.9	17,876.6
Total Heating Val, Billion Btu	1,291.6	928.0	861.6	731.1	735.5	858.1	11,478.0
Avg. Cost, Cents per Million Btu	435.4	411.7	361.6	395.8	358.8	338.8	422.7
Total Est. Gas Bill, $1,000	5,624.1	3,820.8	3,115.5	2,893.8	2,638.8	2,907.1	48,518.2
West North Central							
Qnty Purchased: Firm 1,000 Mcf	73.2	71.5	67.2	97.4	125.4	96.6	1,164.3
Interruptible 1,000 Mcf[1]	2,292.9	1,355.3	1,298.8	988.3	1,134.0	1,326.4	14,834.6
Total 1,000 Mcf	2,366.1	1,426.8	1,366.0	1,085.7	1,259.4	1,423.1	15,999.0
Total Heating Val, Billion Btu	2,312.9	1,378.9	1,329.5	1,069.3	1,232.9	1,391.8	15,611.1
Avg. Cost, Cents per Million Btu	263.7	253.4	250.6	241.7	258.2	261.8	269.2
Total Est. Gas Bill, $1,000	6,100.3	3,494.9	3,332.5	2,584.3	3,183.5	3,643.2	42,017.6
South Atlantic							
Qnty Purchased: Firm 1,000 Mcf	9,329.8	8,389.1	10,297.9	9,088.5	7,907.6	7,623.2	99,712.2
Interruptible 1,000 Mcf[1]	6,113.8	5,674.9	6,007.9	6,289.4	3,343.7	3,541.2	52,954.8
Total 1,000 Mcf	15,443.6	14,064.0	16,305.8	15,377.9	11,251.3	11,164.5	152,667.0
Total Heating Val, Billion Btu	15,602.6	14,235.3	16,475.9	15,566.1	11,352.4	11,265.1	154,154.5
Avg. Cost, Cents per Million Btu	173.0	196.6	192.9	180.5	215.4	239.6	208.6
Total Est. Gas Bill, $1,000	26,992.6	27,984.5	31,788.1	28,096.9	24,451.3	26,988.3	321,553.5
East South Central							
Qnty Purchased: Firm 1,000 Mcf	7,446.1	6,542.2	5,831.0	2,898.3	2,309.6	2,264.3	43,270.0
Interruptible 1,000 Mcf[1]	36.2	41.9	27.5	623.8	534.4	701.9	2,390.3
Total 1,000 Mcf	7,482.3	6,584.1	5,858.5	3,522.1	2,844.0	2,966.2	45,660.2
Total Heating Val, Billion Btu	7,829.4	6,860.9	6,017.3	3,593.5	2,950.8	3,078.4	47,435.8
Avg. Cost, Cents per Million Btu	199.9	280.6	253.8	194.4	188.2	192.7	232.4
Total Est. Gas Bill, $1,000	15,652.4	19,248.7	15,270.2	6,986.2	5,554.1	5,931.1	110,225.4
West South Central							
Qnty Purchased: Firm 1,000 Mcf	152,755.8	135,043.0	117,353.4	91,503.8	86,622.3	84,304.5	1,258,923.5
Interruptible 1,000 Mcf[1]	44,050.0	39,350.6	36,694.3	30,735.1	24,049.6	20,994.8	329,200.5
Total 1,000 Mcf	196,805.9	174,393.6	154,047.7	122,238.8	110,671.9	105,299.3	1,588,124.0
Total Heating Val, Billion Btu	204,318.9	182,386.0	160,059.0	127,256.6	114,946.2	109,159.7	1,648,659.6
Avg. Cost, Cents per Million Btu	213.9	213.5	208.0	204.6	203.1	215.8	222.4
Total Est. Gas Bill, $1,000	437,134.1	389,313.7	332,963.4	260,387.0	233,426.2	235,587.8	3,667,231.9
Mountain							
Qnty Purchased: Firm 1,000 Mcf	2,328.9	2,250.0	1,728.3	1,849.0	1,341.5	1,821.0	20,683.8
Interruptible 1,000 Mcf[1]	2,618.9	2,626.3	1,267.0	658.6	657.2	1,029.3	19,856.9
Total 1,000 Mcf	4,947.8	4,876.3	2,995.3	2,507.6	1,998.7	2,850.3	40,540.7
Total Heating Val, Billion Btu	5,150.4	5,091.4	3,146.2	2,602.5	2,070.3	2,895.5	42,293.2
Avg. Cost, Cents per Million Btu	263.4	242.4	260.4	296.5	284.6	295.9	284.9
Total Est. Gas Bill, $1,000	13,566.9	12,340.8	8,191.3	7,717.2	5,891.4	8,568.8	120,504.4
Pacific							
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	38,161.1	37,200.0	30,544.4	39,117.1	34,073.0	36,882.8	409,541.8
Total 1,000 Mcf	38,161.1	37,200.0	30,544.4	39,117.1	34,073.0	36,882.8	409,541.8
Total Heating Val, Billion Btu	39,933.8	38,848.2	31,948.0	40,781.7	35,574.4	38,272.9	428,036.5
Avg. Cost, Cents per Million Btu	241.5	241.9	259.4	251.5	259.4	259.2	281.0
Total Est. Gas Bill, $1,000	96,449.4	93,990.5	82,881.8	102,575.3	92,296.9	99,205.8	1,202,841.5
Pacific Noncontiguous							
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	-	-	-	-	-	-	-
Total 1,000 Mcf	-	-	-	-	-	-	-
Total Heating Val, Billion Btu	-	-	-	-	-	-	-
Avg. Cost, Cents per Million Btu	-	-	-	-	-	-	-
Total Est. Gas Bill, $1,000	-	-	-	-	-	-	-
Total							
Qnty Purchased: Firm 1,000 Mcf	180,446.6	161,812.1	142,820.4	112,348.4	101,090.3	96,788.3	1,500,083.0
Interruptible 1,000 Mcf[1]	101,159.6	97,936.2	91,074.2	92,747.4	70,936.6	68,506.5	937,704.9
Total 1,000 Mcf	281,606.3	259,748.3	233,894.7	205,095.8	172,026.9	165,294.7	2,437,787.8
Total Heating Val, Billion Btu	291,668.4	270,017.9	241,527.4	212,317.4	177,671.4	170,172.2	2,520,940.2
Avg. Cost, Cents per Million Btu	216.1	218.5	216.2	213.6	217.6	230.1	234.4
Total Est. Gas Bill, $1,000	630,178.6	589,907.0	522,133.5	453,542.7	386,679.5	391,491.2	5,908,193.7

[1] Includes Off-Peak Gas.
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 38. Primary Energy Purchase Data of Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986

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	**552,146.8**	**151,509.3**	**389,398.2**	**11,239.3**	**27.4**	**70.5**	**2.0**	**188.4**	**230.6**	**225.7**
Connecticut	135,675.3	21,523.0	113,385.7	766.6	15.9	83.6	.6	227.1	250.8	208.9
Maine	28,921.6	-	28,921.6	-	-	100.0	-	-	239.3	-
Massachusetts	322,488.3	104,381.8	207,633.9	10,472.7	32.4	64.4	3.2	177.8	223.8	226.9
New Hampshire	55,911.6	25,604.5	30,307.0	-	45.8	54.2	-	199.0	191.7	-
Rhode Island	9,150.0	-	9,150.0	-	-	100.0	-	-	237.1	-
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**[1] 1,900,169.0**	**1,231,043.5**	**502,618.1**	**162,032.3**	**[1] 64.8**	**[1] 26.5**	**[1] 8.5**	**153.1**	**246.2**	**228.3**
New Jersey	169,473.3	68,234.6	76,096.7	25,142.0	40.3	44.9	14.8	180.8	238.0	250.9
New York	630,180.0	160,208.4	333,317.7	136,654.0	25.4	52.9	21.7	164.9	247.0	223.9
Pennsylvania	[1] 1,100,515.6	1,002,600.5	93,203.7	236.3	[1] 91.1	[1] 8.5	[1] .0	149.3	250.0	360.6
East North Central	**[1] 3,621,451.3**	**3,574,859.8**	**33,737.1**	**11,478.0**	**[1] 98.7**	**[1] .9**	**[1] .3**	**174.6**	**402.3**	**422.7**
Illinois	[1] 716,866.9	694,759.0	16,466.8	5,631.1	[1] 96.9	[1] 2.3	[1] .8	212.2	504.2	462.1
Indiana	[1] 792,100.1	787,902.5	1,935.1	895.9	[1] 99.5	[1] .2	[1] .1	157.8	389.0	453.6
Michigan	651,826.4	636,430.0	11,933.7	3,462.7	97.6	1.8	.5	181.2	277.4	363.7
Ohio	1,133,586.7	1,130,847.7	2,457.6	281.5	99.8	.2	*	162.9	353.0	466.9
Wisconsin	327,071.2	324,920.5	943.9	1,206.8	99.3	.3	.4	162.4	359.6	375.2
West North Central	**[1] 1,446,597.6**	**1,423,224.3**	**3,510.1**	**15,611.1**	**[1] 98.4**	**[1] .2**	**[1] 1.1**	**127.7**	**299.7**	**269.2**
Iowa	210,758.3	209,149.5	346.6	1,262.2	99.2	.2	.6	137.2	362.5	341.8
Kansas	254,321.8	242,691.8	636.3	10,993.7	95.4	.3	4.3	131.9	335.7	250.0
Minnesota	[1] 168,366.0	162,702.5	104.1	1,307.2	[1] 96.6	[1] .1	[1] .8	136.0	391.2	295.4
Missouri	456,702.8	454,074.7	1,891.8	736.3	99.4	.4	.2	146.6	259.9	292.3
Nebraska	102,178.2	100,735.2	131.3	1,311.7	98.6	.1	1.3	104.0	259.1	320.9
North Dakota	231,433.2	231,163.0	270.1	-	99.9	.1	-	82.1	364.5	-
South Dakota	22,837.4	22,707.6	129.8	-	99.4	.6	-	124.1	368.0	-
South Atlantic	**3,525,343.2**	**3,004,279.9**	**366,908.8**	**154,154.5**	**85.2**	**10.4**	**4.4**	**174.0**	**221.7**	**208.6**
Delaware	84,063.3	59,700.9	22,618.2	1,744.2	71.0	26.9	2.1	191.4	233.2	253.2
District of Columbia	2,595.7	-	2,595.7	-	-	100.0	-	-	273.4	-
Florida	874,651.6	449,570.1	281,499.3	143,582.3	51.4	32.2	16.4	192.9	216.9	207.9
Georgia	673,072.7	663,862.7	3,284.6	5,925.5	98.6	.5	.9	180.9	231.8	200.4
Maryland	228,891.7	198,109.1	29,937.3	845.3	86.6	13.1	.4	166.6	237.8	274.0
North Carolina	481,786.1	480,686.2	1,100.0	-	99.8	.2	-	184.8	348.3	-
South Carolina	194,309.0	192,704.0	588.6	1,016.4	99.2	.3	.5	182.5	363.7	203.1
Virginia	212,298.8	188,538.0	22,877.3	883.4	88.8	10.8	.4	170.6	215.6	201.3
West Virginia	773,674.3	771,109.0	2,407.8	157.5	99.7	.3	*	149.7	370.7	402.6
East South Central	**1,891,209.9**	**1,828,222.2**	**15,551.9**	**47,435.8**	**96.7**	**.8**	**2.5**	**158.4**	**242.8**	**232.4**
Alabama	542,115.1	540,095.4	1,270.8	748.9	99.6	.2	.1	191.0	349.1	247.0
Kentucky	650,533.6	648,706.0	1,404.1	423.5	99.7	.2	.1	133.8	350.3	296.6
Mississippi	161,079.3	102,733.7	12,082.3	46,263.4	63.8	7.5	28.7	229.4	213.0	231.5
Tennessee	537,482.0	536,687.2	794.8	-	99.9	.1	-	141.9	336.8	-
West South Central	**3,279,725.2**	**1,619,755.3**	**11,310.4**	**1,648,659.6**	**49.4**	**.3**	**50.3**	**158.7**	**256.6**	**222.4**
Arkansas	236,290.2	205,570.1	768.9	29,951.2	87.0	.3	12.7	156.3	406.7	155.9
Louisiana	439,844.6	163,922.5	2,629.0	273,293.2	37.3	.6	62.1	179.4	161.9	185.5
Oklahoma	409,092.8	208,032.7	463.3	200,596.8	50.9	.1	49.0	163.7	289.6	263.4
Texas	2,194,497.6	1,042,229.9	7,449.3	1,144,818.4	47.5	.3	52.2	154.9	272.5	225.8
Mountain	**1,625,328.9**	**1,577,276.7**	**5,758.9**	**42,293.2**	**97.0**	**.4**	**2.6**	**115.7**	**308.6**	**284.9**
Arizona	289,114.3	271,173.7	1,592.8	16,347.7	93.8	.6	5.7	136.4	362.3	235.3
Colorado	264,561.5	262,255.7	224.8	2,081.0	99.1	.1	.8	117.5	336.8	300.2
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	128,958.7	128,215.6	254.6	488.4	99.4	.2	.4	67.4	428.3	85.6
Nevada	179,658.5	170,902.1	1,982.5	6,773.9	95.1	1.1	3.8	139.1	210.9	300.2
New Mexico	267,662.0	250,700.4	510.3	16,451.2	93.7	.2	6.1	113.3	286.1	331.0
Utah	169,957.3	169,519.2	427.3	10.9	99.7	.3	*	140.7	361.9	509.9
Wyoming	325,416.5	324,509.9	766.6	140.0	99.7	.2	*	92.2	386.9	380.4
Pacific	**550,033.9**	**75,475.8**	**46,521.6**	**428,036.5**	**13.7**	**8.5**	**77.8**	**168.6**	**316.5**	**281.0**
California	474,426.7	-	46,390.2	428,036.5	-	9.8	90.2	-	316.6	281.0
Oregon	1.1	-	1.1	-	-	100.0	-	-	324.2	-
Washington	75,606.1	75,475.8	130.3	-	99.8	.2	-	168.6	276.1	-
Pacific Noncontiguous	**58,931.0**	**-**	**58,931.0**	**-**	**-**	**100.0**	**-**	**-**	**286.7**	**-**
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	58,931.0	-	58,931.0	-	-	100.0	-	-	286.7	-
Total	**[1] 18,450,936.8**	**14,485,646.8**	**1,434,246.1**	**2,520,940.2**	**[1] 78.5**	**[1] 7.8**	**[1] 13.7**	**157.9**	**243.7**	**234.4**

[1] Also includes Petroleum Coke, Refuse, Wood Waste, and Coke Breeze.
* = Number less than 0.05
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 39. Average Cost-of-Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986

Census Division and State	Average Cost by Type of Purchase						Average Cost by Type of Mining Method					
	Contract Purchases			Spot Purchases			Strip and Auger			Underground		
	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton
New England	**5,028.1**	**188.9**	**50.11**	**689.5**	**184.8**	**48.49**	**743.9**	**180.2**	**47.30**	**4,973.7**	**189.6**	**50.31**
Connecticut	817.0	227.1	59.83	-	-	-	-	-	-	817.0	227.1	59.83
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	3,349.1	177.5	47.04	599.2	179.1	46.78	696.0	177.3	46.56	3,252.3	177.9	47.09
New Hampshire	862.0	196.7	52.85	90.3	220.8	59.84	47.9	222.9	57.99	904.4	197.8	53.28
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**37,614.6**	**159.6**	**39.64**	**12,099.0**	**132.5**	**32.50**	**19,450.1**	**146.1**	**35.88**	**30,263.6**	**157.5**	**39.20**
New Jersey	1,906.1	185.0	48.83	672.9	169.2	45.02	726.0	173.9	45.48	1,853.0	183.5	48.76
New York	4,182.1	172.8	44.12	2,114.4	149.2	37.70	3,465.6	164.7	40.92	2,830.9	165.1	43.23
Pennsylvania	31,526.4	156.1	38.49	9,311.7	125.7	30.41	15,258.5	140.4	34.28	25,579.7	154.5	38.06
East North Central	**135,300.2**	**182.6**	**40.29**	**25,992.7**	**133.7**	**30.35**	**104,904.5**	**175.8**	**37.64**	**56,388.5**	**172.4**	**40.63**
Illinois	31,332.5	217.4	45.65	1,633.9	118.8	26.69	20,026.4	247.1	50.57	12,940.0	162.0	35.65
Indiana	33,888.9	160.3	34.05	3,001.2	131.3	29.78	27,008.3	153.0	32.44	9,881.8	170.5	37.14
Michigan	21,233.7	190.5	44.55	5,914.7	148.2	35.05	15,580.7	179.8	39.31	11,567.7	182.9	46.75
Ohio	36,692.9	174.2	41.32	10,780.1	125.1	30.23	27,675.8	155.6	36.67	19,797.3	172.8	41.77
Wisconsin	12,152.2	168.6	33.30	4,662.7	144.8	26.35	14,613.3	159.9	29.61	2,201.6	174.7	43.07
West North Central	**76,146.5**	**128.3**	**22.36**	**4,920.1**	**119.2**	**23.22**	**75,828.9**	**123.3**	**21.18**	**5,237.7**	**174.8**	**40.31**
Iowa	9,901.4	138.3	25.15	1,482.9	130.6	25.57	10,595.0	136.2	24.55	789.4	147.6	33.94
Kansas	13,444.8	131.7	22.71	457.8	136.2	32.29	13,618.7	131.0	22.71	283.9	165.0	37.84
Minnesota	8,960.9	135.9	23.58	362.7	138.6	27.78	9,210.9	134.7	23.40	112.7	210.8	51.64
Missouri	19,489.7	148.6	31.93	1,751.4	123.4	24.82	17,292.5	138.4	29.07	3,948.6	179.6	41.32
Nebraska	5,232.2	107.8	18.81	548.4	67.2	11.57	5,677.4	102.0	17.64	103.1	182.6	44.51
North Dakota	17,251.4	82.9	10.91	316.9	41.1	5.20	17,568.3	82.1	10.81	-	-	-
South Dakota	1,866.0	124.1	15.10	-	-	-	1,866.0	124.1	15.10	-	-	-
South Atlantic	**100,727.9**	**180.6**	**44.79**	**20,098.0**	**141.5**	**35.67**	**55,099.9**	**170.2**	**41.94**	**65,726.0**	**177.2**	**44.39**
Delaware	1,944.3	194.4	50.53	351.9	174.8	45.44	827.2	182.4	46.23	1,469.0	196.2	51.73
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	14,409.9	202.3	49.31	3,901.5	159.3	40.16	6,806.1	184.2	45.42	11,505.3	198.1	48.50
Georgia	24,517.8	184.6	44.63	2,811.2	150.2	38.00	17,107.2	170.8	41.06	10,221.8	197.5	48.78
Maryland	5,966.9	170.6	43.13	1,839.7	154.0	39.52	5,645.5	166.7	41.94	2,161.1	166.5	43.17
North Carolina	16,678.6	191.6	48.10	2,466.4	138.7	34.89	8,165.2	184.3	46.24	10,979.9	185.1	46.51
South Carolina	6,459.3	187.5	47.42	1,149.9	154.6	39.52	3,767.5	184.1	46.17	3,841.7	181.0	46.28
Virginia	5,331.1	176.1	45.32	2,002.6	156.0	39.97	2,964.9	167.9	42.92	4,368.8	172.4	44.50
West Virginia	25,419.9	158.2	39.39	5,574.8	111.1	27.49	9,816.4	143.7	35.21	21,178.3	152.5	38.20
East South Central	**57,293.9**	**168.3**	**39.73**	**19,770.4**	**130.4**	**31.37**	**41,623.0**	**159.8**	**37.73**	**35,441.2**	**156.9**	**37.43**
Alabama	16,855.5	207.5	50.68	5,325.7	138.0	33.29	13,392.2	191.9	46.70	8,789.0	189.6	46.21
Kentucky	21,013.4	139.3	31.69	7,134.2	118.4	28.32	15,394.3	132.7	30.75	12,753.4	135.1	30.93
Mississippi	2,276.0	265.6	63.79	1,924.6	188.3	47.02	1,442.1	179.4	44.15	2,758.6	255.8	62.36
Tennessee	17,149.0	149.7	35.63	5,385.8	117.0	27.94	11,394.5	154.0	35.78	11,140.3	130.1	31.75
West South Central	**104,355.4**	**158.7**	**24.35**	**1,070.7**	**157.1**	**27.36**	**105,124.0**	**158.6**	**24.34**	**302.1**	**173.1**	**36.82**
Arkansas	11,855.7	156.3	27.10	-	-	-	11,855.7	156.3	27.10	-	-	-
Louisiana	10,093.1	179.4	29.14	-	-	-	10,093.1	179.4	29.14	-	-	-
Oklahoma	11,738.7	164.5	28.30	268.3	138.5	31.02	12,004.8	163.7	28.36	2.2	128.6	33.94
Texas	70,667.9	154.7	22.55	802.4	165.9	26.13	71,170.4	154.8	22.53	299.9	173.5	36.84
Mountain	**80,085.4**	**115.4**	**22.36**	**1,112.7**	**128.1**	**30.23**	**69,650.2**	**107.5**	**20.27**	**11,547.9**	**156.1**	**35.74**
Arizona	12,808.1	136.1	28.64	77.7	184.6	38.78	12,866.7	136.3	28.68	19.0	196.6	46.85
Colorado	13,240.5	117.5	22.93	180.8	118.6	25.07	11,999.7	112.8	21.78	1,421.6	152.9	32.90
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	7,498.1	67.4	11.53	-	-	-	7,498.1	67.4	11.53	-	-	-
Nevada	7,614.5	139.1	31.23	-	-	-	4,885.5	103.9	22.77	2,728.9	198.4	46.38
New Mexico	13,763.7	113.3	20.64	-	-	-	13,763.7	113.3	20.64	-	-	-
Utah	6,564.1	142.5	32.43	814.2	127.4	31.44	-	-	-	7,378.3	140.7	32.32
Wyoming	18,596.5	92.3	16.07	40.0	69.2	12.18	18,636.5	92.2	16.06	-	-	-
Pacific	**4,460.0**	**170.4**	**27.60**	**199.0**	**128.2**	**20.77**	**4,659.0**	**168.6**	**27.31**	-	-	-
California	-	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	4,460.0	170.4	27.60	199.0	128.2	20.77	4,659.0	168.6	27.31	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Total	**601,012.1**	**161.7**	**33.51**	**85,952.0**	**134.6**	**31.81**	**477,083.5**	**152.0**	**29.90**	**209,880.6**	**168.8**	**41.01**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 40. Average Cost-of-Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1982-1986

Census Division and State	Cents per Million Btu					Dollars per Short Ton				
	1986	1985	1984	1983	1982	1986	1985	1984	1983	1982
New England	**188.4**	**202.8**	**210.7**	**217.6**	**235.6**	**49.92**	**53.98**	**56.05**	**58.13**	**62.36**
Connecticut	227.1	234.9	225.6	-	-	59.83	61.81	59.26	-	-
Maine	-	-	-	-	-	-	-	-	-	-
Massachusetts	177.8	197.2	213.6	225.3	249.1	47.00	52.37	56.53	59.90	65.55
New Hampshire	199.0	200.9	200.2	193.8	188.4	53.51	54.05	54.20	52.50	50.94
Rhode Island	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**153.1**	**161.1**	**164.5**	**159.5**	**169.3**	**37.90**	**39.83**	**40.66**	**39.40**	**41.44**
New Jersey	180.8	192.1	196.9	197.0	214.0	47.84	50.87	52.02	52.10	56.49
New York	164.9	172.0	180.1	178.6	182.8	41.96	43.35	45.21	44.59	45.41
Pennsylvania	149.3	156.2	159.2	153.1	163.6	36.65	38.26	39.04	37.55	39.70
East North Central	**174.6**	**180.7**	**177.3**	**178.2**	**178.3**	**38.69**	**39.89**	**39.34**	**39.51**	**39.48**
Illinois	212.2	217.5	198.8	203.6	198.5	44.71	45.60	42.12	42.37	41.40
Indiana	157.8	164.2	161.0	156.6	160.7	33.70	35.00	34.74	34.30	34.97
Michigan	181.2	187.9	191.4	189.3	193.2	42.48	43.96	44.66	44.20	46.15
Ohio	162.9	169.4	171.5	172.0	172.4	38.80	40.02	40.34	40.55	39.84
Wisconsin	162.4	170.6	171.7	172.2	171.4	31.37	33.35	34.18	34.22	34.39
West North Central	**127.7**	**133.9**	**138.5**	**137.0**	**131.0**	**22.41**	**23.44**	**24.69**	**24.46**	**23.57**
Iowa	137.2	147.5	152.7	161.5	156.8	25.20	26.85	27.39	29.53	28.64
Kansas	131.9	140.1	150.4	141.9	134.1	23.02	24.58	26.44	24.91	23.80
Minnesota	136.0	142.8	136.8	138.3	127.0	23.74	24.92	23.74	24.44	22.27
Missouri	146.6	150.2	149.5	149.2	143.1	31.35	31.98	32.02	31.97	30.61
Nebraska	104.0	111.4	128.2	121.7	116.9	18.12	19.27	22.81	21.39	20.87
North Dakota	82.1	88.1	87.2	82.6	80.6	10.81	11.59	11.37	10.89	10.71
South Dakota	124.1	118.4	119.9	118.1	115.5	15.10	14.45	14.63	14.52	14.23
South Atlantic	**174.0**	**185.5**	**186.7**	**186.4**	**186.7**	**43.28**	**45.97**	**46.16**	**46.04**	**45.61**
Delaware	191.4	191.0	197.2	199.1	214.1	49.75	49.52	51.23	50.96	54.00
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	192.9	212.0	216.7	218.2	215.3	47.36	51.84	52.99	53.17	51.72
Georgia	180.9	187.8	192.7	189.8	186.1	43.95	45.53	46.73	45.80	44.64
Maryland	166.6	174.6	179.4	174.6	192.0	42.28	44.21	45.28	44.24	47.66
North Carolina	184.8	197.6	194.9	188.9	187.8	46.40	49.34	48.62	47.02	46.09
South Carolina	182.5	190.9	196.6	196.0	190.8	46.23	47.98	49.26	49.11	47.25
Virginia	170.6	180.2	182.9	170.0	192.9	43.86	46.18	46.16	43.03	48.16
West Virginia	149.7	160.3	162.7	170.4	171.4	37.25	39.81	40.14	42.12	41.90
East South Central	**158.4**	**170.3**	**172.0**	**177.9**	**179.2**	**37.59**	**40.04**	**40.38**	**41.78**	**42.01**
Alabama	191.0	202.0	203.8	202.1	203.1	46.51	48.71	49.04	48.44	48.83
Kentucky	133.8	141.1	146.8	153.2	155.2	30.84	32.14	33.58	35.20	35.41
Mississippi	229.4	253.6	243.0	249.1	243.6	56.11	61.52	58.88	60.45	58.85
Tennessee	141.9	153.6	162.2	172.0	174.5	33.79	36.34	38.30	40.51	41.22
West South Central	**158.7**	**165.5**	**175.2**	**172.2**	**164.4**	**24.38**	**25.72**	**27.07**	**26.72**	**25.54**
Arkansas	156.3	157.8	181.1	171.9	174.0	27.10	27.15	31.11	30.02	29.65
Louisiana	179.4	218.9	226.2	228.0	227.2	29.14	37.00	38.48	38.89	37.98
Oklahoma	163.7	167.9	173.2	173.3	164.6	28.36	28.82	29.80	29.73	28.08
Texas	154.9	159.3	167.5	168.2	159.6	22.59	23.59	24.55	24.99	23.92
Mountain	**115.7**	**115.2**	**109.0**	**107.1**	**101.6**	**22.47**	**22.44**	**21.03**	**20.90**	**19.82**
Arizona	136.4	130.6	121.1	121.3	118.2	28.70	27.41	25.66	25.81	24.93
Colorado	117.5	115.3	113.4	110.9	108.7	22.96	22.49	21.90	21.59	21.28
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	67.4	70.7	73.6	76.8	57.5	11.53	12.23	12.53	12.83	9.79
Nevada	139.1	161.8	133.1	127.1	117.5	31.23	36.84	29.80	28.33	25.96
New Mexico	113.3	109.2	93.4	83.7	78.5	20.64	20.06	16.88	15.23	14.35
Utah	140.7	137.0	134.1	135.4	141.2	32.32	32.34	30.64	30.97	32.58
Wyoming	92.2	91.9	96.3	92.3	79.1	16.06	16.10	16.66	16.09	13.74
Pacific	**168.6**	**165.7**	**177.3**	**161.9**	**145.7**	**27.31**	**26.85**	**29.13**	**26.23**	**23.73**
California	-	-	229.4	-	-	-	-	52.26	-	-
Oregon	-	199.7	199.6	-	171.5	-	33.12	33.24	-	28.50
Washington	168.6	165.3	172.5	161.9	138.9	27.31	26.78	27.95	26.23	22.50
Noncontiguous	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-
Total	**157.9**	**164.8**	**166.4**	**165.6**	**164.7**	**33.30**	**34.53**	**35.12**	**34.99**	**34.91**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 41. Average Cost-of-Petroleum Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986

Census Division and State	Cost of No. 6 Fuel Oil by Type of Purchase						Average Cost of Petroleum Products					
	Contract Purchases			Spot Purchases			No. 2 Fuel Oil		No. 4, No. 5 Fuel Oil		No. 6 Fuel Oil	
	Quantity 1,000 bbls	Cents per 10^6 Btu	$ per bbl	Quantity 1,000 bbls	Cents per 10^6 Btu	$ per bbl	Cents per 10^6 Btu	$ per bbl	Cents per 10^6 Btu	$ per bbl	Cents per 10^6 Btu	$ per bbl
New England	**48,176.8**	**234.0**	**14.81**	**13,247.9**	**216.9**	**13.71**	**354.8**	**20.62**	**-**	**-**	**230.3**	**14.57**
Connecticut	16,973.5	252.9	15.88	1,060.7	215.4	13.53	358.7	20.85	-	-	250.7	15.74
Maine	3,700.4	224.2	14.11	876.0	300.8	18.95	349.0	20.39	-	-	238.9	15.04
Massachusetts	24,334.5	227.4	14.42	8,390.9	212.0	13.36	353.5	20.53	-	-	223.5	14.15
New Hampshire	3,168.4	197.6	12.90	1,478.0	177.0	11.41	361.2	20.87	-	-	191.1	12.43
Rhode Island	-	-	-	1,442.3	237.1	15.04	-	-	-	-	237.1	15.04
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**56,301.7**	**250.0**	**15.68**	**23,051.7**	**231.5**	**14.41**	**377.1**	**22.01**	**249.2**	**15.10**	**244.6**	**15.31**
New Jersey	9,573.8	242.1	15.00	2,694.6	222.5	13.69	320.0	18.51	249.2	15.10	237.8	14.72
New York	37,243.9	251.7	15.83	15,850.1	235.2	14.62	381.0	22.13	-	-	246.8	15.47
Pennsylvania	9,484.0	250.8	15.73	4,507.0	224.0	14.11	378.5	22.11	-	-	242.2	15.21
East North Central	**2,286.9**	**523.5**	**33.15**	**1,568.2**	**259.1**	**16.11**	**364.6**	**21.14**	**-**	**-**	**417.1**	**26.21**
Illinois	2,286.9	523.5	33.15	-	-	-	363.6	21.22	-	-	523.5	33.15
Indiana	-	-	-	-	-	-	389.0	22.48	-	-	-	-
Michigan	-	-	-	1,496.2	258.4	16.06	344.2	19.94	-	-	258.4	16.06
Ohio	-	-	-	72.0	272.7	17.18	371.2	21.47	-	-	272.7	17.18
Wisconsin	-	-	-	-	-	-	359.6	20.86	-	-	-	-
West North Central	**227.0**	**231.8**	**14.66**	**20.9**	**242.8**	**15.24**	**353.7**	**20.60**	**-**	**-**	**232.7**	**14.71**
Iowa	-	-	-	-	-	-	362.5	21.11	-	-	-	-
Kansas	-	-	-	-	-	-	335.7	19.54	-	-	-	-
Minnesota	-	-	-	-	-	-	391.2	22.56	-	-	-	-
Missouri	227.0	231.8	14.66	-	-	-	348.5	20.36	-	-	231.8	14.66
Nebraska	-	-	-	17.2	231.7	14.60	387.2	22.58	-	-	231.7	14.60
North Dakota	-	-	-	3.7	294.9	18.21	370.9	21.47	-	-	294.9	18.21
South Dakota	-	-	-	-	-	-	368.0	21.64	-	-	-	-
South Atlantic	**43,656.8**	**214.7**	**13.59**	**11,757.2**	**222.5**	**14.07**	**347.6**	**20.26**	**272.4**	**16.42**	**216.4**	**13.69**
Delaware	3,011.3	229.6	14.44	447.3	222.1	14.06	349.8	20.56	-	-	228.6	14.39
District of Columbia	-	-	-	-	-	-	298.2	17.35	272.4	16.42	-	-
Florida	33,688.1	212.6	13.49	10,171.0	225.0	14.25	340.7	19.82	-	-	215.4	13.67
Georgia	-	-	-	367.2	182.0	11.35	346.3	20.06	-	-	182.0	11.35
Maryland	4,133.5	226.1	14.23	108.8	202.8	12.76	338.6	19.69	-	-	225.5	14.19
North Carolina	-	-	-	-	-	-	348.3	20.24	-	-	-	-
South Carolina	-	-	-	-	-	-	363.7	21.14	-	-	-	-
Virginia	2,824.0	208.6	12.98	663.0	209.9	13.05	339.4	19.92	-	-	208.8	12.99
West Virginia	-	-	-	-	-	-	370.7	21.70	-	-	-	-
East South Central	**1,743.1**	**206.4**	**13.02**	**113.6**	**195.5**	**12.40**	**356.1**	**20.71**	**-**	**-**	**205.7**	**12.98**
Alabama	-	-	-	-	-	-	349.1	20.27	-	-	-	-
Kentucky	-	-	-	-	-	-	350.3	20.42	-	-	-	-
Mississippi	1,743.1	206.4	13.02	113.6	195.5	12.40	445.0	25.74	-	-	205.7	12.98
Tennessee	-	-	-	-	-	-	336.8	19.57	-	-	-	-
West South Central	**390.9**	**145.5**	**9.19**	**305.2**	**154.6**	**9.69**	**316.6**	**18.49**	**475.3**	**29.61**	**149.5**	**9.41**
Arkansas	15.7	164.8	10.39	-	-	-	442.5	25.44	-	-	164.8	10.39
Louisiana	375.2	144.7	9.14	*	135.1	8.64	320.2	18.86	-	-	144.7	9.14
Oklahoma	-	-	-	-	-	-	289.6	16.75	-	-	-	-
Texas	-	-	-	305.2	154.6	9.69	302.6	17.72	475.3	29.61	154.6	9.69
Mountain	**30.4**	**172.9**	**10.71**	**335.3**	**212.2**	**13.27**	**374.1**	**21.84**	**-**	**-**	**209.0**	**13.06**
Arizona	-	-	-	34.6	351.4	22.22	364.0	21.29	-	-	351.4	22.22
Colorado	-	-	-	-	-	-	336.8	19.43	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	428.3	25.37	-	-	-	-
Nevada	-	-	-	295.3	197.4	12.34	393.6	22.60	-	-	197.4	12.34
New Mexico	30.4	172.9	10.71	5.4	119.1	7.25	378.8	21.64	-	-	164.9	10.19
Utah	-	-	-	-	-	-	361.9	21.33	-	-	-	-
Wyoming	-	-	-	-	-	-	386.9	22.62	-	-	-	-
Pacific	**3,801.9**	**411.4**	**25.35**	**3,709.9**	**219.3**	**13.55**	**330.8**	**19.48**	**-**	**-**	**316.4**	**19.52**
California	3,801.9	411.4	25.35	3,709.9	219.3	13.55	478.9	27.80	-	-	316.4	19.52
Oregon	-	-	-	-	-	-	324.2	18.90	-	-	-	-
Washington	-	-	-	-	-	-	276.1	16.35	-	-	-	-
Pacific Noncontiguous	**8,897.3**	**288.7**	**18.08**	**490.0**	**241.3**	**15.00**	**468.8**	**26.94**	**-**	**-**	**286.2**	**17.92**
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	8,897.3	288.7	18.08	490.0	241.3	15.00	468.8	26.94	-	-	286.2	17.92
Total	**165,512.8**	**244.7**	**15.42**	**54,599.8**	**225.4**	**14.13**	**354.0**	**20.62**	**296.6**	**17.95**	**240.0**	**15.10**

* = Number less than 0.05 rounded to zero.
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 42. Average Cost-of-Petroleum Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1982-1986

Census Division and State	Cents per Million Btu					Dollars per Barrel				
	1986	1985	1984	1983	1982	1986	1985	1984	1983	1982
New England	**230.6**	**404.1**	**468.8**	**438.0**	**442.2**	**14.59**	**25.58**	**29.53**	**27.51**	**27.73**
Connecticut	250.8	424.2	484.5	454.0	474.7	15.75	26.68	30.39	28.52	29.70
Maine	239.3	422.4	496.6	467.9	486.0	15.06	26.71	31.25	29.41	30.49
Massachusetts	223.8	391.6	458.4	424.0	421.0	14.16	24.83	28.85	26.61	26.42
New Hampshire	191.7	363.6	430.6	419.7	413.7	12.46	23.82	27.95	26.60	26.04
Rhode Island	237.1	403.3	464.7	434.7	460.1	15.04	25.56	29.43	27.42	28.92
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**246.2**	**431.6**	**482.6**	**461.4**	**480.7**	**15.39**	**27.00**	**30.16**	**28.78**	**29.92**
New Jersey	238.0	441.6	493.1	480.7	517.0	14.73	27.35	30.52	29.73	31.97
New York	247.0	426.1	476.8	454.2	468.5	15.48	26.74	29.88	28.38	29.22
Pennsylvania	250.0	440.9	489.8	465.1	522.3	15.63	27.53	30.62	29.15	32.30
East North Central	**402.3**	**582.6**	**600.1**	**606.2**	**678.4**	**24.70**	**35.84**	**37.31**	**37.60**	**42.43**
Illinois	504.2	602.9	620.6	618.9	713.5	31.60	38.09	39.34	39.02	45.17
Indiana	389.0	586.9	604.9	606.4	697.6	22.48	33.84	34.80	34.94	40.12
Michigan	277.4	524.9	513.1	530.3	530.7	16.96	31.17	31.12	32.15	32.46
Ohio	353.0	561.6	620.0	644.9	657.8	20.73	33.36	36.81	37.80	38.92
Wisconsin	359.6	548.1	594.4	597.0	678.8	20.86	31.88	34.51	34.47	39.53
West North Central	**299.7**	**499.3**	**541.1**	**506.4**	**530.6**	**18.09**	**30.13**	**32.70**	**30.23**	**32.18**
Iowa	362.5	593.0	609.7	617.6	622.4	21.11	34.49	35.24	35.85	36.17
Kansas	335.7	554.8	559.5	516.5	392.7	19.54	32.30	33.92	31.75	24.81
Minnesota	391.2	597.4	621.7	449.3	546.1	22.56	34.65	36.11	27.46	33.58
Missouri	259.9	435.8	497.7	506.2	546.8	16.12	27.22	30.76	30.75	33.03
Nebraska	259.1	588.7	604.0	586.3	666.1	16.10	34.15	35.04	34.01	38.64
North Dakota	364.5	548.8	584.9	474.6	717.8	21.21	31.84	34.20	27.50	41.89
South Dakota	368.0	580.9	604.2	568.7	649.4	21.64	34.16	35.02	32.96	37.64
South Atlantic	**221.7**	**408.2**	**471.3**	**437.6**	**443.3**	**13.98**	**25.70**	**29.69**	**27.61**	**27.92**
Delaware	233.2	417.7	473.2	446.8	473.6	14.64	26.30	29.82	28.28	29.90
District of Columbia	273.4	494.5	542.2	541.4	577.9	16.46	29.66	32.52	32.50	34.81
Florida	216.9	391.6	464.4	429.4	430.8	13.74	24.82	29.36	27.17	27.23
Georgia	231.8	548.2	578.5	458.7	668.5	14.12	31.92	33.71	28.24	39.22
Maryland	237.8	418.2	478.9	469.3	477.4	14.83	26.23	30.11	29.31	29.77
North Carolina	348.3	568.1	591.4	598.2	699.3	20.24	33.01	34.19	34.69	40.55
South Carolina	363.7	573.4	593.9	599.2	685.1	21.14	33.39	34.85	35.13	40.03
Virginia	215.6	452.1	473.7	461.2	482.7	13.37	28.04	29.68	28.86	29.79
West Virginia	370.7	600.0	622.2	622.2	703.4	21.70	35.19	36.42	36.49	41.48
East South Central	**242.8**	**561.6**	**581.3**	**584.9**	**633.6**	**15.01**	**33.10**	**34.13**	**34.51**	**37.85**
Alabama	349.1	599.6	615.4	627.8	711.5	20.27	34.88	35.85	36.34	41.30
Kentucky	350.3	580.2	613.3	628.4	759.5	20.42	33.83	35.67	36.54	44.10
Mississippi	213.0	472.1	442.6	407.1	417.2	13.40	29.04	27.04	25.51	26.16
Tennessee	336.8	585.1	611.3	650.2	810.2	19.57	33.95	35.58	37.80	47.15
West South Central	**256.6**	**531.3**	**570.7**	**517.0**	**473.9**	**15.45**	**31.58**	**34.17**	**30.86**	**29.05**
Arkansas	406.7	571.0	639.0	588.7	504.0	23.65	33.14	36.91	34.74	30.91
Louisiana	161.9	512.5	475.1	498.0	437.1	10.16	31.18	29.06	30.22	27.43
Oklahoma	289.6	553.5	584.5	580.6	670.7	16.75	31.79	33.81	33.62	38.88
Texas	272.5	528.8	574.4	511.5	495.3	16.28	31.45	34.46	30.41	29.79
Mountain	**308.6**	**595.0**	**596.5**	**581.7**	**593.3**	**18.50**	**34.92**	**35.20**	**34.38**	**35.50**
Arizona	362.3	621.7	607.9	605.6	600.1	21.41	36.61	36.03	35.83	36.49
Colorado	336.8	591.0	537.9	510.2	586.1	19.43	33.94	31.82	30.70	33.89
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	428.3	610.6	579.8	-	-	25.37	36.16	34.34	-	-
Nevada	210.9	612.1	594.1	620.3	463.0	13.10	35.49	34.30	35.52	28.85
New Mexico	286.1	521.7	541.7	508.3	635.5	16.90	30.83	32.52	30.45	37.27
Utah	361.9	566.8	608.8	611.4	694.2	21.33	33.33	35.80	35.95	40.82
Wyoming	386.9	600.0	636.5	626.8	713.7	22.62	35.06	37.11	36.71	41.97
Pacific	**316.5**	**531.6**	**597.1**	**605.9**	**677.3**	**19.52**	**32.88**	**36.76**	**37.75**	**42.06**
California	316.6	531.3	597.1	605.7	677.3	19.53	32.87	36.79	37.74	42.06
Oregon	324.2	566.5	574.7	607.3	722.2	18.90	33.03	33.37	34.94	41.56
Washington	276.1	571.9	604.3	666.3	-	16.35	33.87	35.79	39.46	-
Noncontiguous	**286.7**	**485.9**	**541.8**	**553.3**	**678.4**	**17.94**	**30.44**	**34.13**	**34.74**	**42.71**
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	286.7	485.9	541.8	553.3	678.4	17.94	30.44	34.13	34.74	42.71
Total	**243.7**	**431.7**	**486.3**	**462.8**	**489.1**	**15.30**	**27.08**	**30.47**	**28.98**	**30.60**

Note: Totals may not equal sum of components because of independent rounding.

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

Table 43. Average Cost-of-Gas Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986

Census Division and State	Receipts and Cost by Type of Purchase											
	Firm Gas			Interruptible Gas			Off-Peak Gas			Total Gas		
	Quantity 1,000 mcf	Cents per 10^6 Btu	$ per mcf	Quantity 1,000 mcf	Cents per 10^6 Btu	$ per mcf	Quantity 1,000 mcf	Cents per 10^6 Btu	$ per mcf	Quantity 1,000 mcf	Cents per 10^6 Btu	$ per mcf
New England	**84.7**	**623.9**	**6.44**	**10,192.6**	**223.6**	**2.30**	**640.8**	**206.5**	**2.14**	**10,918.1**	**225.7**	**2.32**
Connecticut	-	-	-	99.2	224.5	2.33	640.8	206.5	2.14	740.0	208.9	2.16
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	84.7	623.9	6.44	10,093.4	223.6	2.30	-	-	-	10,178.1	226.9	2.33
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**70,526.9**	**224.5**	**2.33**	**62,310.4**	**240.6**	**2.49**	**23,623.0**	**207.2**	**2.15**	**156,460.3**	**228.3**	**2.36**
New Jersey	-	-	-	24,270.9	250.9	2.60	-	-	-	24,270.9	250.9	2.60
New York	70,526.9	224.5	2.33	37,808.9	233.3	2.41	23,623.0	207.2	2.15	131,958.8	223.9	2.32
Pennsylvania	-	-	-	230.6	360.6	3.70	-	-	-	230.6	360.6	3.70
East North Central	**5,717.6**	**483.1**	**4.94**	**12,159.0**	**360.2**	**1.67**	**-**	**-**	**-**	**17,876.6**	**422.7**	**2.71**
Illinois	4,605.5	487.0	4.99	881.7	332.5	3.43	-	-	-	5,487.1	462.1	4.74
Indiana	869.2	457.9	4.60	21.5	281.6	2.89	-	-	-	890.7	453.6	4.56
Michigan	136.9	504.7	5.11	9,882.5	357.8	1.20	-	-	-	10,019.5	363.7	1.26
Ohio	106.0	485.8	4.93	170.4	455.1	4.64	-	-	-	276.4	466.9	4.75
Wisconsin	-	-	-	1,202.9	375.2	3.76	-	-	-	1,202.9	375.2	3.76
West North Central	**1,164.3**	**303.3**	**3.02**	**14,834.6**	**266.4**	**2.60**	**-**	**-**	**-**	**15,999.0**	**269.2**	**2.63**
Iowa	403.5	381.4	3.90	837.6	322.6	3.27	-	-	-	1,241.1	341.8	3.48
Kansas	531.7	237.7	2.32	10,817.4	250.6	2.43	-	-	-	11,349.0	250.0	2.42
Minnesota	75.1	467.9	4.66	1,233.6	284.9	2.85	-	-	-	1,308.7	295.4	2.95
Missouri	-	-	-	748.9	292.3	2.87	-	-	-	748.9	292.3	2.87
Nebraska	154.1	235.7	2.35	1,197.2	332.2	3.21	-	-	-	1,351.3	320.9	3.11
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	**99,712.2**	**201.2**	**2.01**	**52,954.8**	**222.1**	**2.28**	**-**	**-**	**-**	**152,667.0**	**208.6**	**2.11**
Delaware	245.7	296.3	3.07	1,421.7	245.8	2.58	-	-	-	1,667.4	253.2	2.65
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	99,155.5	200.4	2.00	43,268.1	224.5	2.30	-	-	-	142,423.6	207.9	2.10
Georgia	310.9	368.5	3.78	5,475.7	190.9	1.95	-	-	-	5,786.6	200.4	2.05
Maryland	-	-	-	799.0	274.0	2.90	-	-	-	799.0	274.0	2.90
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	993.9	203.1	2.08	-	-	-	993.9	203.1	2.08
Virginia	-	-	-	839.0	201.3	2.12	-	-	-	839.0	201.3	2.12
West Virginia	-	-	-	157.5	402.6	4.03	-	-	-	157.5	402.6	4.03
East South Central	**43,270.0**	**233.4**	**2.42**	**2,025.7**	**200.6**	**2.10**	**364.6**	**285.4**	**2.93**	**45,660.2**	**232.4**	**2.41**
Alabama	420.2	233.0	2.56	266.3	269.5	2.90	-	-	-	686.5	247.0	2.69
Kentucky	49.8	380.3	3.80	-	-	-	364.6	285.4	2.93	414.4	296.6	3.03
Mississippi	42,800.0	233.3	2.42	1,759.4	189.8	1.97	-	-	-	44,559.3	231.5	2.40
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-
West South Central	**1,258,923.5**	**232.3**	**2.41**	**329,200.5**	**184.8**	**1.92**	**-**	**-**	**-**	**1,588,124.0**	**222.4**	**2.31**
Arkansas	4,638.7	133.9	1.48	23,806.1	160.4	1.67	-	-	-	28,444.8	155.9	1.64
Louisiana	195,493.5	174.2	1.82	66,226.2	219.3	2.28	-	-	-	261,719.8	185.5	1.94
Oklahoma	185,475.6	267.3	2.79	6,794.8	153.0	1.57	-	-	-	192,270.4	263.4	2.75
Texas	873,315.7	238.5	2.47	232,373.4	178.4	1.86	-	-	-	1,105,689.1	225.8	2.34
Mountain	**20,683.8**	**289.9**	**3.00**	**19,856.9**	**279.8**	**2.94**	**-**	**-**	**-**	**40,540.7**	**284.9**	**2.97**
Arizona	8,830.9	239.7	2.48	6,823.3	229.7	2.42	-	-	-	15,654.1	235.3	2.46
Colorado	114.5	312.2	3.09	1,980.1	299.5	2.98	-	-	-	2,094.5	300.2	2.98
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	399.0	79.4	.96	7.6	462.6	4.81	-	-	-	406.6	85.6	1.03
Nevada	-	-	-	6,432.8	300.2	3.16	-	-	-	6,432.8	300.2	3.16
New Mexico	11,339.4	337.8	3.47	4,466.2	314.5	3.37	-	-	-	15,805.6	331.0	3.45
Utah	-	-	-	10.0	509.9	5.54	-	-	-	10.0	509.9	5.54
Wyoming	-	-	-	137.0	380.4	3.89	-	-	-	137.0	380.4	3.89
Pacific	**-**	**-**	**-**	**409,541.8**	**281.0**	**2.94**	**-**	**-**	**-**	**409,541.8**	**281.0**	**2.94**
California	-	-	-	409,541.8	281.0	2.94	-	-	-	409,541.8	281.0	2.94
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Total	**1,500,083.0**	**231.8**	**2.40**	**913,076.5**	**239.3**	**2.47**	**24,628.4**	**208.3**	**2.16**	**2,437,787.8**	**234.4**	**2.42**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 44. Average Cost-of-Gas Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1982-1986

Census Division and State	Cents per Million Btu					Dollars per Mcf				
	1986	1985	1984	1983	1982	1986	1985	1984	1983	1982
New England	**225.7**	**340.8**	**400.5**	**386.9**	**398.1**	**2.32**	**3.54**	**4.22**	**4.07**	**4.19**
Connecticut	208.9	338.7	370.5	-	-	2.16	3.49	3.81	-	-
Maine	-	-	-	-	-	-	-	-	-	-
Massachusetts	226.9	341.2	404.2	388.7	398.2	2.33	3.54	4.29	4.10	4.20
New Hampshire	-	-	391.4	-	-	-	-	4.02	-	-
Rhode Island	-	336.8	391.1	375.3	396.2	-	3.48	4.03	3.90	4.04
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**228.3**	**358.6**	**409.6**	**400.1**	**399.4**	**2.36**	**3.72**	**4.23**	**4.13**	**4.12**
New Jersey	250.9	396.5	434.0	404.6	424.2	2.60	4.15	4.50	4.20	4.38
New York	223.9	348.2	399.1	397.5	391.1	2.32	3.61	4.12	4.10	4.03
Pennsylvania	360.6	508.4	453.4	510.4	375.1	3.70	5.08	4.53	5.10	3.75
East North Central	**422.7**	**477.4**	**462.5**	**487.3**	**400.1**	**2.71**	**3.56**	**3.88**	**3.65**	**3.39**
Illinois	462.1	519.0	487.2	529.1	416.3	4.74	5.33	5.02	5.44	4.26
Indiana	453.6	415.2	412.9	423.8	356.5	4.56	4.17	4.14	4.25	3.57
Michigan	363.7	442.8	454.5	438.8	393.7	1.26	2.04	2.69	.93	1.45
Ohio	466.9	508.6	516.6	516.9	419.2	4.75	5.16	5.24	5.23	4.22
Wisconsin	375.2	411.1	404.8	428.4	417.0	3.76	4.11	4.02	4.24	4.22
West North Central	**269.2**	**303.1**	**331.0**	**309.9**	**262.6**	**2.63**	**2.95**	**3.24**	**2.98**	**2.59**
Iowa	341.8	361.0	368.7	374.7	355.9	3.48	3.69	3.82	3.85	3.63
Kansas	250.0	288.4	322.1	295.4	248.2	2.42	2.79	3.14	2.81	2.43
Minnesota	295.4	369.3	373.2	379.8	336.0	2.95	3.70	3.74	3.84	3.36
Missouri	292.3	330.9	393.2	416.4	363.5	2.87	3.28	3.92	4.14	3.73
Nebraska	320.9	358.4	340.1	325.8	312.7	3.11	3.43	3.23	3.09	2.97
North Dakota	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	367.5	-	-	-	-	3.65
South Atlantic	**208.6**	**329.1**	**338.6**	**263.2**	**227.2**	**2.11**	**3.33**	**3.43**	**2.66**	**2.31**
Delaware	253.2	388.0	444.0	418.0	408.4	2.65	4.03	4.61	4.32	4.22
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	207.9	324.9	331.3	252.9	217.1	2.10	3.29	3.35	2.56	2.20
Georgia	200.4	430.5	443.7	417.7	406.8	2.05	4.41	4.54	4.28	4.18
Maryland	274.0	-	-	-	-	2.90	-	-	-	-
North Carolina	-	-	-	-	-	-	-	-	-	-
South Carolina	203.1	454.4	445.8	428.5	379.9	2.08	4.68	4.58	4.40	3.91
Virginia	201.3	344.3	421.9	420.2	394.2	2.12	3.58	4.39	4.39	4.26
West Virginia	402.6	477.5	501.6	454.6	415.3	4.03	4.77	5.02	4.55	4.15
East South Central	**232.4**	**281.8**	**289.8**	**333.4**	**315.7**	**2.41**	**2.93**	**2.98**	**3.43**	**3.23**
Alabama	247.0	317.2	325.9	312.9	300.2	2.69	3.48	3.66	3.45	3.38
Kentucky	296.6	354.0	359.8	378.8	338.9	3.03	3.63	3.68	3.88	3.47
Mississippi	231.5	279.5	287.5	332.5	315.5	2.40	2.90	2.95	3.42	3.22
Tennessee	-	-	-	-	-	-	-	-	-	-
West South Central	**222.4**	**304.4**	**307.6**	**306.4**	**300.6**	**2.31**	**3.16**	**3.18**	**3.16**	**3.12**
Arkansas	155.9	282.3	337.3	321.1	299.2	1.64	2.98	3.50	3.32	3.09
Louisiana	185.5	273.2	303.7	315.0	307.9	1.94	2.86	3.18	3.30	3.22
Oklahoma	263.4	291.7	265.2	239.4	208.0	2.75	3.05	2.76	2.52	2.17
Texas	225.8	314.0	315.4	317.4	317.1	2.34	3.25	3.25	3.25	3.28
Mountain	**284.9**	**365.4**	**380.9**	**391.7**	**350.8**	**2.97**	**3.80**	**3.90**	**4.00**	**3.62**
Arizona	235.3	374.4	400.5	412.3	361.2	2.46	3.97	4.21	4.30	3.80
Colorado	300.2	353.0	374.6	421.5	409.1	2.98	3.49	3.70	4.17	4.03
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	85.6	59.2	66.2	80.1	169.0	1.03	.71	.78	.96	1.99
Nevada	300.2	407.4	432.6	454.3	391.8	3.16	4.34	4.59	4.83	4.18
New Mexico	331.0	347.7	353.1	359.1	323.6	3.45	3.52	3.52	3.56	3.27
Utah	509.9	412.2	372.3	313.1	243.2	5.54	4.43	3.83	2.95	2.29
Wyoming	380.4	433.3	510.8	478.5	515.6	3.89	4.54	5.35	4.97	4.37
Pacific	**281.0**	**447.0**	**508.7**	**507.6**	**501.7**	**2.94**	**4.70**	**5.34**	**5.32**	**5.28**
California	281.0	447.0	508.7	507.6	501.7	2.94	4.70	5.34	5.32	5.28
Oregon	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-
Noncontiguous	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-
Total	**234.4**	**343.1**	**358.3**	**347.4**	**340.2**	**2.42**	**3.56**	**3.71**	**3.58**	**3.52**

Note: Totals may not equal sum of components because of independent rounding.

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

Table 45. Coal Receipts and Average Cost by Sulfur Content for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986

Census Division and State	0.5% or Less			More than 0.5% up to 1.0%			More than 1.0% up to 1.5%		
	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton
New England	**393.0**	**214.3**	**56.46**	**933.4**	**210.2**	**55.66**	**3,555.1**	**179.0**	**47.27**
Connecticut	393.0	214.3	56.46	424.0	239.0	62.95	-	-	-
Maine	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	412.1	177.2	47.32	3,424.2	177.4	46.85
New Hampshire	-	-	-	97.3	227.1	59.22	130.9	218.4	58.26
Rhode Island	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Middle Atlantic	**73.0**	**77.0**	**11.36**	**3,418.1**	**157.4**	**37.66**	**8,204.8**	**162.0**	**41.00**
New Jersey	-	-	-	1,232.3	178.8	47.34	765.7	188.5	50.56
New York	-	-	-	426.3	158.3	36.22	864.4	161.9	41.85
Pennsylvania	73.0	77.0	11.36	1,759.5	139.5	31.23	6,574.7	158.7	39.77
East North Central	**33,477.5**	**227.6**	**41.43**	**30,605.9**	**181.1**	**44.07**	**13,567.9**	**174.9**	**41.67**
Illinois	10,583.8	323.6	61.48	4,373.7	203.3	47.76	750.8	170.3	38.29
Indiana	5,468.6	235.4	40.38	1,238.5	220.1	53.29	1,830.6	143.9	31.61
Michigan	8,195.9	172.5	33.08	15,159.7	186.2	47.38	1,494.8	165.3	43.64
Ohio	52.2	151.0	39.02	7,759.9	154.9	37.67	7,616.9	184.2	44.07
Wisconsin	9,177.0	155.3	26.39	2,074.1	168.5	30.56	1,874.7	174.9	41.51
West North Central	**32,163.4**	**117.1**	**19.60**	**27,536.7**	**117.4**	**18.02**	**3,476.4**	**178.2**	**36.46**
Iowa	7,784.4	128.5	21.46	879.7	161.1	34.32	99.7	159.0	34.11
Kansas	11,058.1	128.3	21.43	867.4	172.6	37.02	-	-	-
Minnesota	2,579.8	127.4	22.32	6,480.6	138.1	23.75	136.9	139.6	31.71
Missouri	3,383.0	90.8	15.85	2,402.1	167.1	35.43	2,290.0	197.9	46.36
Nebraska	5,579.3	100.0	17.21	201.3	185.7	43.38	-	-	-
North Dakota	1,778.8	81.2	10.73	15,396.7	82.2	10.80	392.8	82.7	11.44
South Dakota	-	-	-	1,309.0	124.6	15.15	557.0	122.8	14.97
South Atlantic	**713.6**	**189.3**	**45.21**	**47,604.9**	**183.6**	**46.27**	**26,627.3**	**176.9**	**44.53**
Delaware	-	-	-	1,527.9	195.5	51.55	535.9	180.9	45.47
District of Columbia	-	-	-	-	-	-	-	-	-
Florida	700.1	190.4	45.46	5,371.4	188.3	47.78	3,575.4	207.3	52.44
Georgia	-	-	-	4,265.8	240.1	60.94	6,558.1	167.1	41.83
Maryland	-	-	-	2,272.6	172.0	44.01	1,560.9	157.3	39.77
North Carolina	9.0	137.0	32.05	15,324.6	185.9	46.54	3,775.5	180.6	45.85
South Carolina	-	-	-	1,421.0	183.0	46.18	4,696.5	185.8	47.05
Virginia	-	-	-	5,177.6	171.7	43.86	1,985.1	168.6	44.08
West Virginia	4.5	125.6	32.92	12,243.8	164.5	40.95	3,939.9	162.4	39.59
East South Central	**669.7**	**294.6**	**70.10**	**19,429.0**	**189.6**	**46.23**	**10,045.8**	**159.9**	**39.22**
Alabama	256.4	244.2	61.17	7,506.9	202.9	49.66	4,063.6	191.8	47.56
Kentucky	3.0	119.6	30.64	6,093.8	157.2	39.29	2,645.8	151.3	35.87
Mississippi	410.3	330.4	75.97	1,791.8	262.6	64.51	-	-	-
Tennessee	-	-	-	4,036.6	181.7	42.22	3,336.4	127.5	31.72
West South Central	**61,538.9**	**180.5**	**30.81**	**34,821.5**	**111.0**	**14.42**	**4,294.9**	**146.5**	**19.94**
Arkansas	11,855.7	156.3	27.10	-	-	-	-	-	-
Louisiana	7,818.1	193.2	32.77	2,275.0	121.0	16.65	-	-	-
Oklahoma	11,751.4	164.2	28.15	123.2	171.5	45.16	20.8	142.7	39.04
Texas	30,113.7	193.4	32.79	32,423.3	109.8	14.15	4,274.1	146.5	19.85
Mountain	**36,043.0**	**117.9**	**23.04**	**44,891.1**	**113.8**	**22.02**	**252.2**	**112.4**	**20.69**
Arizona	5,989.4	124.7	26.28	6,896.4	146.6	30.81	-	-	-
Colorado	12,864.5	116.5	22.64	545.0	140.1	30.71	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Montana	19.9	110.0	14.53	7,478.2	67.3	11.52	-	-	-
Nevada	2,096.2	176.5	40.32	5,518.3	124.6	27.78	-	-	-
New Mexico	-	-	-	13,763.7	113.3	20.64	-	-	-
Utah	5,158.6	139.9	31.84	2,188.7	141.8	33.31	31.0	194.0	41.75
Wyoming	9,914.5	81.7	13.37	8,500.8	102.9	19.15	221.2	98.7	17.74
Pacific	-	-	-	**4,659.0**	**168.6**	**27.31**	-	-	-
California	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-
Washington	-	-	-	4,659.0	168.6	27.31	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-
Total	**165,072.2**	**164.4**	**29.35**	**213,899.5**	**155.3**	**31.53**	**70,024.3**	**171.1**	**40.95**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 45. Coal Receipts and Average Cost by Sulfur Content for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986 (Continued)

Census Division and State	More than 1.5% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Purchases	
	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton	Quantity 1,000 short tons	Cents per 10^6 Btu	$ per short ton	Cents per 10^6 Btu	$ per short ton
New England	**117.7**	**192.0**	**50.80**	**718.4**	**191.7**	**51.82**	**-**	**-**	**-**	**188.4**	**49.92**
Connecticut	-	-	-	-	-	-	-	-	-	227.1	59.83
Maine	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	112.0	190.5	50.33	-	-	-	-	-	-	177.8	47.00
New Hampshire	5.7	222.1	60.01	718.4	191.7	51.82	-	-	-	199.0	53.51
Rhode Island	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**14,988.4**	**146.7**	**36.31**	**17,617.2**	**148.5**	**37.03**	**5,412.2**	**170.2**	**40.98**	**153.1**	**37.90**
New Jersey	-	-	-	574.0	174.8	45.34	7.0	156.4	41.87	180.8	47.84
New York	2,236.3	168.9	42.91	2,762.3	163.6	42.11	7.2	169.6	45.86	164.9	41.96
Pennsylvania	12,752.0	142.7	35.15	14,280.9	144.4	35.71	5,398.0	170.3	40.97	149.3	36.65
East North Central	**9,775.6**	**155.2**	**36.33**	**32,006.9**	**153.0**	**34.82**	**41,859.2**	**156.2**	**35.10**	**174.6**	**38.69**
Illinois	838.5	169.3	39.01	9,996.6	151.1	33.22	6,423.0	163.6	34.39	212.2	44.71
Indiana	3,307.8	147.8	32.31	7,580.3	139.6	30.47	17,464.4	145.2	32.11	157.8	33.70
Michigan	571.0	174.8	41.84	1,648.0	185.5	43.42	79.1	170.6	39.91	181.2	42.48
Ohio	3,549.3	149.2	36.58	10,878.7	156.1	37.40	17,616.0	164.3	38.34	162.9	38.80
Wisconsin	1,509.0	169.4	40.99	1,903.3	166.5	38.41	276.8	142.5	33.28	162.4	31.37
West North Central	**276.9**	**160.4**	**36.17**	**5,355.5**	**148.3**	**33.46**	**12,257.6**	**141.8**	**30.55**	**127.7**	**22.41**
Iowa	115.1	137.7	29.96	1,891.3	138.6	30.83	614.1	178.8	39.97	137.2	25.20
Kansas	16.3	139.2	32.57	484.5	151.5	35.55	1,476.2	120.2	22.48	131.9	23.02
Minnesota	126.3	188.0	43.66	-	-	-	-	-	-	136.0	23.74
Missouri	19.1	122.4	27.17	2,979.6	153.8	34.80	10,167.3	142.3	31.15	146.6	31.35
Nebraska	-	-	-	-	-	-	-	-	-	104.0	18.12
North Dakota	-	-	-	-	-	-	-	-	-	82.1	10.81
South Dakota	-	-	-	-	-	-	-	-	-	124.1	15.10
South Atlantic	**16,898.8**	**160.0**	**39.45**	**18,201.3**	**171.1**	**41.65**	**10,780.0**	**148.6**	**35.55**	**174.0**	**43.28**
Delaware	232.3	187.0	47.81	-	-	-	-	-	-	191.4	49.75
District of Columbia	-	-	-	-	-	-	-	-	-	-	-
Florida	70.1	215.9	52.98	6,453.5	194.2	46.48	2,140.9	175.3	40.88	192.9	47.36
Georgia	7,130.3	167.6	40.88	5,995.9	181.5	42.97	3,378.9	155.7	34.79	180.9	43.95
Maryland	3,486.9	167.3	42.16	486.2	165.7	43.17	-	-	-	166.6	42.28
North Carolina	29.4	178.9	44.60	6.5	169.1	42.55	-	-	-	184.8	46.40
South Carolina	1,301.9	172.1	43.78	189.8	169.1	43.03	-	-	-	182.5	46.23
Virginia	171.0	162.0	41.34	-	-	-	-	-	-	170.6	43.86
West Virginia	4,476.9	135.9	33.04	5,069.4	132.8	33.74	5,260.2	134.5	33.87	149.7	37.25
East South Central	**9,116.3**	**143.7**	**34.29**	**25,621.3**	**152.4**	**36.00**	**12,182.1**	**119.9**	**26.48**	**158.4**	**37.59**
Alabama	3,581.6	178.5	43.57	5,861.8	191.8	46.00	911.0	113.8	26.47	191.0	46.51
Kentucky	1,571.9	113.6	26.62	6,567.5	129.8	29.44	11,265.7	120.4	26.48	133.8	30.84
Mississippi	8.9	188.1	47.72	1,989.6	180.4	44.48	-	-	-	229.4	56.11
Tennessee	3,954.0	122.9	28.90	11,202.4	139.0	33.10	5.5	104.0	24.62	141.9	33.79
West South Central	**4,538.4**	**148.6**	**17.76**	**157.2**	**149.9**	**23.77**	**75.3**	**117.9**	**29.74**	**158.7**	**24.38**
Arkansas	-	-	-	-	-	-	-	-	-	156.3	27.10
Louisiana	-	-	-	-	-	-	-	-	-	179.4	29.14
Oklahoma	1.2	128.2	34.02	35.2	126.3	30.21	75.3	117.9	29.74	163.7	28.36
Texas	4,537.1	148.6	17.75	122.0	161.9	21.91	-	-	-	154.9	22.59
Mountain	**11.8**	**51.6**	**10.78**	**-**	**-**	**-**	**-**	**-**	**-**	**115.7**	**22.47**
Arizona	-	-	-	-	-	-	-	-	-	136.4	28.70
Colorado	11.8	51.6	10.78	-	-	-	-	-	-	117.5	22.96
Idaho	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	67.4	11.53
Nevada	-	-	-	-	-	-	-	-	-	139.1	31.23
New Mexico	-	-	-	-	-	-	-	-	-	113.3	20.64
Utah	-	-	-	-	-	-	-	-	-	140.7	32.32
Wyoming	-	-	-	-	-	-	-	-	-	92.2	16.06
Pacific	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**168.6**	**27.31**
California	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	168.6	27.31
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-
Total	**55,723.8**	**152.2**	**35.45**	**99,677.9**	**155.5**	**36.79**	**82,566.4**	**148.8**	**33.59**	**157.9**	**33.30**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 46. Petroleum Receipts and Average Cost by Sulfur Content for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986

Census Division and State	0.3% or Less			More than 0.3% up to 0.5%			More than 0.5% up to 1.0%		
	Quantity 1,000 bbls	Cents per 10^6 Btu	$ per bbl	Quantity 1,000 bbls	Cents per 10^6 Btu	$ per bbl	Quantity 1,000 bbls	Cents per 10^6 Btu	$ per bbl
New England	**2,258.2**	**191.5**	**11.81**	**5,576.7**	**269.5**	**16.84**	**26,722.5**	**245.7**	**15.47**
Connecticut	78.1	224.2	13.99	4,360.9	270.0	16.87	13,595.2	244.7	15.39
Maine	261.8	245.3	15.13	169.8	235.0	14.68	3,129.6	247.2	15.57
Massachusetts	1,918.3	182.8	11.27	1,046.0	273.0	17.06	8,555.4	248.1	15.65
New Hampshire	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-	1,442.3	237.1	15.04
Vermont	-	-	-	-	-	-	-	-	-
Middle Atlantic	**30,855.9**	**251.8**	**15.55**	**5,891.7**	**281.8**	**17.58**	**17,957.0**	**244.1**	**15.36**
New Jersey	10,722.2	237.3	14.64	103.4	240.9	14.95	1,372.0	241.1	15.24
New York	18,992.7	260.9	16.12	2,497.3	320.1	19.91	7,026.0	252.0	15.82
Pennsylvania	1,141.0	237.3	14.64	3,291.0	254.2	15.90	9,559.0	238.6	15.04
East North Central	**-**	**-**	**-**	**171.1**	**295.7**	**18.98**	**3,635.0**	**425.3**	**26.70**
Illinois	-	-	-	67.3	174.4	11.51	2,219.6	534.6	33.80
Indiana	-	-	-	-	-	-	-	-	-
Michigan	-	-	-	103.8	378.1	23.83	1,392.4	249.4	15.48
Ohio	-	-	-	-	-	-	23.0	329.7	20.90
Wisconsin	-	-	-	-	-	-	-	-	-
West North Central	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Iowa	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-	-	-	-
Missouri	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-
South Atlantic	**218.9**	**190.2**	**11.75**	**3.5**	**242.3**	**15.99**	**40,887.3**	**220.2**	**13.93**
Delaware	-	-	-	-	-	-	2,781.3	226.5	14.23
District of Columbia	-	-	-	-	-	-	415.0	272.4	16.42
Florida	51.3	251.6	14.85	3.5	242.3	15.99	32,258.0	218.9	13.89
Georgia	167.6	172.5	10.80	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	1,946.0	244.1	15.38
North Carolina	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	3,487.0	208.8	12.99
West Virginia	-	-	-	-	-	-	-	-	-
East South Central	**15.5**	**771.7**	**49.11**	**-**	**-**	**-**	**-**	**-**	**-**
Alabama	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-
Mississippi	15.5	771.7	49.11	-	-	-	-	-	-
Tennessee	-	-	-	-	-	-	-	-	-
West South Central	**176.1**	**173.5**	**10.87**	**184.1**	**231.8**	**14.50**	**375.2**	**144.7**	**9.14**
Arkansas	-	-	-	-	-	-	-	-	-
Louisiana	-	-	-	-	-	-	375.2	144.7	9.14
Oklahoma	-	-	-	-	-	-	-	-	-
Texas	176.1	173.5	10.87	184.1	231.8	14.50	-	-	-
Mountain	**137.4**	**203.5**	**12.72**	**-**	**-**	**-**	**216.6**	**210.9**	**13.17**
Arizona	-	-	-	-	-	-	34.6	351.4	22.22
Colorado	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-
Nevada	137.4	203.5	12.72	-	-	-	157.9	192.0	12.00
New Mexico	-	-	-	-	-	-	24.1	128.9	7.85
Utah	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-
Pacific	**5,388.0**	**361.7**	**22.18**	**1,653.6**	**211.1**	**13.22**	**284.0**	**161.1**	**10.03**
California	5,388.0	361.7	22.18	1,653.6	211.1	13.22	284.0	161.1	10.03
Oregon	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	**1,926.4**	**242.2**	**15.05**	**7,460.9**	**297.4**	**18.66**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-
Hawaii	1,926.4	242.2	15.05	7,460.9	297.4	18.66	-	-	-
Total	**40,976.5**	**261.8**	**16.15**	**20,941.5**	**278.2**	**17.41**	**90,077.5**	**240.2**	**15.16**

Note: Totals may not equal sum of components because of independent rounding.
No. 2 Fuel Oil has been omitted from this table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 46. Petroleum Receipts and Average Cost by Sulfur Content for Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Census Division and State, 1986 (Continued)

Census Division and State	More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Purchases	
	Quantity 1,000 bbls	Cents per 10^6 Btu	$ per bbl	Quantity 1,000 bbls	Cents per 10^6 Btu	$ per bbl	Quantity 1,000 bbls	Cents per 10^6 Btu	$ per bbl	Cents per 10^6 Btu	$ per bbl
New England	**12,349.8**	**203.6**	**13.13**	**14,456.5**	**216.5**	**13.71**	**61.0**	**199.6**	**12.67**	**230.3**	**14.57**
Connecticut	-	-	-	-	-	-	-	-	-	250.7	15.74
Maine	196.2	232.6	14.72	819.0	207.8	13.13	-	-	-	238.9	15.04
Massachusetts	7,507.1	210.8	13.52	13,637.5	217.1	13.74	61.0	199.6	12.67	223.5	14.15
New Hampshire	4,646.4	191.1	12.43	-	-	-	-	-	-	191.1	12.43
Rhode Island	-	-	-	-	-	-	-	-	-	237.1	15.04
Vermont	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**17,369.6**	**230.5**	**14.61**	**7,282.0**	**220.5**	**14.00**	**-**	**-**	**-**	**244.6**	**15.31**
New Jersey	73.6	251.4	15.72	-	-	-	-	-	-	237.8	14.72
New York	17,296.0	230.4	14.60	7,282.0	220.5	14.00	-	-	-	246.8	15.47
Pennsylvania	-	-	-	-	-	-	-	-	-	242.2	15.21
East North Central	**49.0**	**245.6**	**15.43**	**-**	**-**	**-**	**-**	**-**	**-**	**417.1**	**26.21**
Illinois	-	-	-	-	-	-	-	-	-	523.5	33.15
Indiana	-	-	-	-	-	-	-	-	-	-	-
Michigan	-	-	-	-	-	-	-	-	-	258.4	16.06
Ohio	49.0	245.6	15.43	-	-	-	-	-	-	272.7	17.18
Wisconsin	-	-	-	-	-	-	-	-	-	-	-
West North Central	**244.2**	**231.8**	**14.65**	**3.7**	**294.9**	**18.21**	**-**	**-**	**-**	**232.7**	**14.71**
Iowa	-	-	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-	-	-	-	-	-
Missouri	227.0	231.8	14.66	-	-	-	-	-	-	231.8	14.66
Nebraska	17.2	231.7	14.60	-	-	-	-	-	-	231.7	14.60
North Dakota	-	-	-	3.7	294.9	18.21	-	-	-	294.9	18.21
South Dakota	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	**10,426.7**	**209.0**	**13.23**	**4,258.1**	**204.1**	**12.91**	**34.5**	**196.2**	**12.44**	**216.8**	**13.72**
Delaware	74.8	297.0	18.90	567.9	231.6	14.70	34.5	196.2	12.44	228.6	14.39
District of Columbia	-	-	-	-	-	-	-	-	-	272.4	16.42
Florida	8,050.8	207.9	13.19	3,495.4	200.5	12.69	-	-	-	215.4	13.67
Georgia	4.9	241.0	15.04	194.8	188.8	11.73	-	-	-	182.0	11.35
Maryland	2,296.2	209.8	13.18	-	-	-	-	-	-	225.5	14.19
North Carolina	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	208.8	12.99
West Virginia	-	-	-	-	-	-	-	-	-	-	-
East South Central	**-**	**-**	**-**	**22.5**	**208.8**	**13.30**	**1,818.6**	**200.8**	**12.67**	**205.7**	**12.98**
Alabama	-	-	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	22.5	208.8	13.30	1,818.6	200.8	12.67	205.7	12.98
Tennessee	-	-	-	-	-	-	-	-	-	-	-
West South Central	**15.7**	**164.8**	**10.39**	**-**	**-**	**-**	**-**	**-**	**-**	**173.1**	**10.89**
Arkansas	15.7	164.8	10.39	-	-	-	-	-	-	164.8	10.39
Louisiana	*	135.1	8.64	-	-	-	-	-	-	144.7	9.14
Oklahoma	-	-	-	-	-	-	-	-	-	-	-
Texas	-	-	-	-	-	-	-	-	-	203.3	12.73
Mountain	**11.7**	**235.7**	**15.01**	**-**	**-**	**-**	**-**	**-**	**-**	**209.0**	**13.06**
Arizona	-	-	-	-	-	-	-	-	-	351.4	22.22
Colorado	-	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	197.4	12.34
New Mexico	11.7	235.7	15.01	-	-	-	-	-	-	164.9	10.19
Utah	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-
Pacific	**186.2**	**204.8**	**12.87**	**-**	**-**	**-**	**-**	**-**	**-**	**316.4**	**19.52**
California	186.2	204.8	12.87	-	-	-	-	-	-	316.4	19.52
Oregon	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**286.2**	**17.92**
Alaska	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	286.2	17.92
Total	**40,652.9**	**216.6**	**13.80**	**26,022.8**	**215.6**	**13.66**	**1,914.1**	**200.7**	**12.66**	**240.1**	**15.11**

* = Number less than 0.05 rounded to zero.
Note: Totals may not equal sum of components because of independent rounding.
No. 2 Fuel Oil has been omitted from this table.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Coal Origin-by-Destination Data

Introduction

This chapter includes data on the origin and destination of coal delivered to steam-electric plants. The origin of coal by Bureau of Mines District (BOM) is contained in Table 47. Listed under each district are the origin States (shown in boldface) that make up the district, and the amount of coal originated in each State. Directly below each origin State is a list of States of destination showing how much coal was delivered to steam-electric plants from that particular origin State. It should be noted that in some cases, an origin State can be located in more than one BOM District. West Virginia, for example, is in Districts 3, 5, 7, and 8. Data by Census division and destination State are contained in Table 48. Each Census division lists the destination States (shown in boldface) and the amount of coal that was delivered to steam-electric plants in that particular State. Shown for each destination State is the BOM District and the States from which the coal originated.

The percentages shown under the heading "Percent of Receipts," Surface and Spot, represent the percent of total coal shipments surface-mined (versus coal mined underground) and the percent purchased on the spot market (versus coal purchased under contract). The sum of the two columns do not equal 100 percent.

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

Some utilities will give more than one county-of-origin as the source of coal for a particular shipment. If this occurred, the data are split according to either the production data from the counties for 1985, or according to the production data on the mines, if the mines are known. Also, it is not uncommon for a utility to report a tipple (an apparatus at a central facility used in loading coal for transportation by rail or truck) as the source of the coal and list the county that the tipple is located in as the county-of-origin. In some cases the coal delivered to the tipple comes from various surrounding counties. No adjustment to the data was made to compensate for this.

The following holding companies are covered in this chapter.

AEP - American Electric Power

APS - Allegheny Power System

ACE _ Atlantic City Electric

CSW - Central & South West Coop.

DMV - Delmarva

GPU - General Public Utilities

MSU - Middle South Utilities

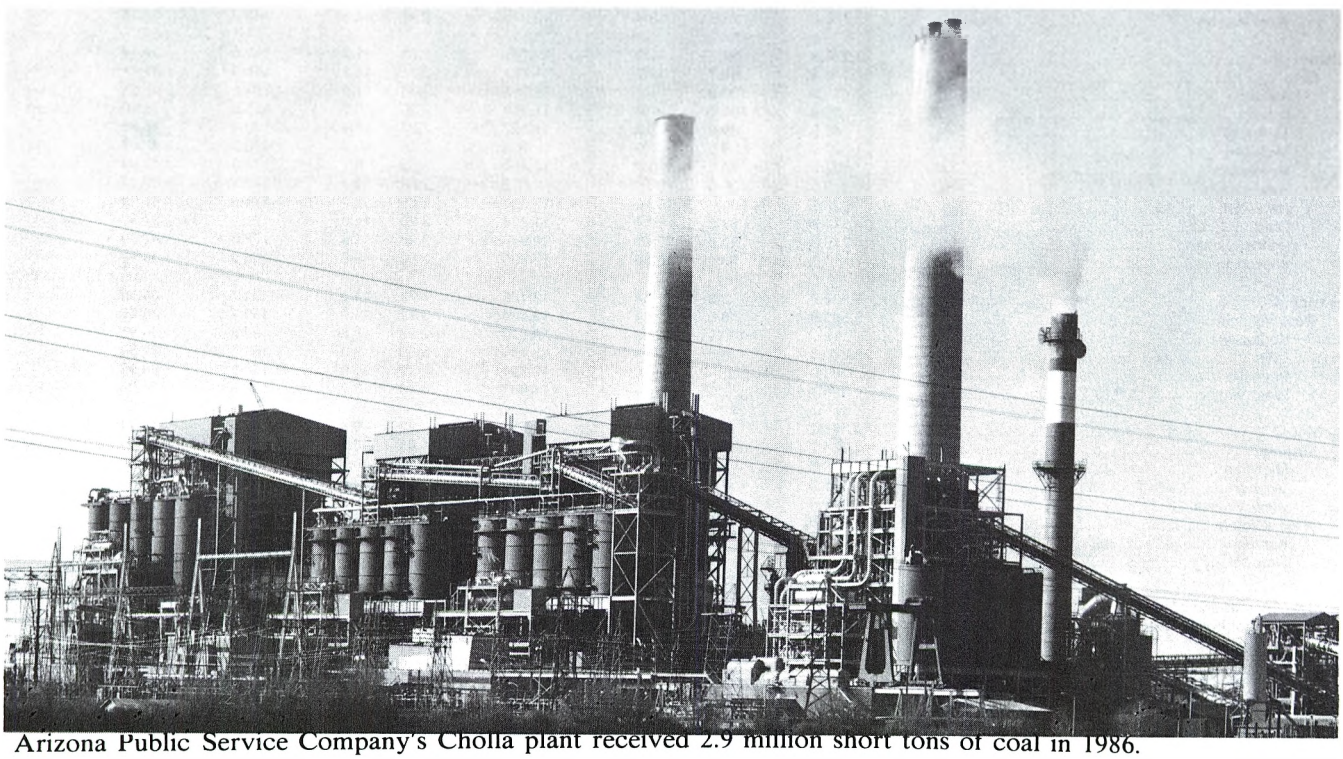
NEES - New England Electric System

NEGA - New England Gas & Electric Assoc.

NU - Northeast Utilities

SC - Southern Company

TU - Texas Utilities



Arizona Public Service Company's Cholla plant received 2.9 million short tons of coal in 1986.

Table 47. Origin and Destination of Coal Received at Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

BOM District Origin State Destination State	Receipts 1,000 Short Tons	Percent of Receipts		Average Heat Value Btu per Pound	Average Wt. Percent		Average Delivered Price	
		Surface	Spot		Sulfur	Ash	Cents per Million Btu	Dollars per Short Ton
District 1	**38,691.8**	**52.8**	**19.6**	**12,362**	**1.78**	**13.6**	**152.2**	**37.63**
Maryland	**2,041.1**	**57.4**	**60.2**	**12,499**	**1.56**	**13.0**	**136.8**	**34.19**
Maryland	1,133.9	73.9	40.1	12,648	1.51	11.8	159.9	40.44
Virginia	7.0	100.0	100.0	12,700	.80	11.0	152.6	38.76
West Virginia	900.2	36.3	85.1	12,309	1.63	14.5	106.8	26.30
Pennsylvania	**33,394.7**	**54.0**	**18.0**	**12,358**	**1.80**	**13.7**	**154.2**	**38.10**
Delaware	899.4	83.1	19.1	12,689	1.31	10.5	184.6	46.86
Maryland	2,708.1	98.6	9.3	12,497	1.68	11.9	168.9	42.22
Massachusetts	351.2	80.0	100.0	13,069	1.36	7.5	193.5	50.57
Michigan	463.0	100.0	-	12,836	2.79	8.8	183.8	47.18
New York	3,030.2	94.5	43.4	12,345	1.69	12.5	167.0	41.24
Pennsylvania	25,523.9	41.5	14.9	12,310	1.82	14.3	148.4	36.53
South Carolina	.7	100.0	100.0	11,921	2.12	12.4	156.9	37.41
West Virginia	57.0	100.0	100.0	11,539	1.73	19.7	98.6	22.76
Wisconsin	361.3	100.0	17.7	12,829	1.86	8.4	190.8	48.95
West Virginia	**3,256.0**	**37.1**	**10.5**	**12,326**	**1.75**	**13.7**	**141.7**	**34.93**
Maryland	61.0	-	100.0	13,023	1.42	10.1	142.0	36.98
West Virginia	3,195.0	37.8	8.8	12,312	1.76	13.8	141.7	34.89
District 2	**12,331.7**	**48.9**	**41.3**	**12,605**	**1.85**	**9.8**	**148.8**	**37.50**
Pennsylvania	**12,331.7**	**48.9**	**41.3**	**12,605**	**1.85**	**9.8**	**148.8**	**37.50**
Delaware	31.9	-	100.0	13,136	.74	6.8	192.7	50.63
Kentucky	11.1	100.0	-	11,225	2.60	17.2	162.4	36.45
Maryland	116.0	-	100.0	12,930	1.81	9.2	170.9	44.19
Massachusetts	372.2	-	4.0	13,365	1.25	6.4	176.9	47.28
Michigan	1,315.5	-	15.7	13,127	1.33	6.5	169.1	44.39
New Jersey	8.0	100.0	100.0	12,607	2.10	8.3	185.4	46.75
New York	1,130.6	43.3	58.1	13,130	1.57	7.1	156.1	41.00
Ohio	3,201.6	77.5	33.6	12,396	2.16	11.2	141.6	35.10
Pennsylvania	4,923.7	56.9	51.8	12,326	1.99	11.4	140.7	34.69
West Virginia	204.9	-	87.4	12,662	1.46	9.5	119.2	30.18
Wisconsin	1,016.3	23.8	24.6	13,023	1.50	6.8	163.4	42.55
District 3	**27,797.3**	**20.1**	**15.6**	**12,795**	**2.06**	**10.1**	**153.6**	**39.30**
West Virginia	**27,797.3**	**20.1**	**15.6**	**12,795**	**2.06**	**10.1**	**153.6**	**39.30**
Delaware	1,117.3	7.2	13.3	13,255	.76	7.6	193.1	51.20
Florida	74.9	-	-	13,097	2.51	9.0	182.3	47.75
Indiana	129.7	-	100.0	13,206	2.44	7.4	162.9	43.03
Maryland	2,817.6	42.0	32.6	12,884	1.27	9.3	163.8	42.20
Massachusetts	1,563.3	19.3	12.8	13,121	1.15	8.9	163.4	42.89
Michigan	127.0	-	100.0	12,940	1.36	8.5	125.7	32.53
New Hampshire	720.4	-	.3	13,516	2.34	7.6	191.8	51.85
New Jersey	1,859.1	36.0	24.5	13,129	1.46	8.7	175.4	46.05
New York	2,007.5	-	5.0	13,035	2.48	8.5	163.7	42.67
North Carolina	3.7	-	100.0	13,055	1.06	10.7	141.0	36.82
Ohio	339.0	70.5	43.7	12,568	2.11	10.9	136.4	34.28
Pennsylvania	4,953.3	7.2	10.3	12,748	2.26	10.1	142.1	36.22
Tennessee	306.6	-	-	12,508	2.51	11.5	137.5	34.39
West Virginia	11,778.0	23.3	13.4	12,576	2.41	11.3	143.7	36.14
District 4	**33,976.3**	**56.7**	**19.2**	**11,741**	**3.21**	**11.2**	**168.0**	**39.44**
Ohio	**33,976.3**	**56.7**	**19.2**	**11,741**	**3.21**	**11.2**	**168.0**	**39.44**
Alabama	2,625.5	100.0	-	11,685	2.34	11.6	204.6	47.81
Indiana	30.9	100.0	100.0	11,419	3.30	10.8	115.9	26.46
Kentucky	546.0	98.6	5.2	11,187	2.23	13.4	120.4	26.93
Michigan	1,520.5	6.0	-	11,293	2.15	10.7	186.3	42.07
Mississippi	128.3	75.8	100.0	12,317	2.39	9.7	174.3	42.93
New Jersey	8.0	100.0	100.0	12,612	2.02	9.8	198.5	50.07
New York	28.2	100.0	100.0	12,634	1.65	8.2	174.6	44.11
Ohio	24,371.8	61.0	18.4	11,724	3.25	11.0	161.9	37.97
Pennsylvania	4,716.3	20.8	38.5	12,046	3.98	11.8	178.0	42.89
Wisconsin	.7	66.7	100.0	12,800	2.60	8.8	208.9	53.48
District 6	**5,500.9**	**3.0**	**3.4**	**12,126**	**3.72**	**11.2**	**151.7**	**36.80**
West Virginia	**5,500.9**	**3.0**	**3.4**	**12,126**	**3.72**	**11.2**	**151.7**	**36.80**
Kentucky	4.7	100.0	-	10,810	2.97	18.6	184.8	39.95
Ohio	3,490.5	4.5	-	12,181	3.55	9.9	163.7	39.89
Pennsylvania	185.0	-	100.0	12,391	2.72	11.9	108.8	26.96
West Virginia	1,820.7	-	-	11,997	4.16	13.7	132.8	31.86
District 7	**2,186.2**	**19.2**	**13.1**	**12,785**	**.93**	**9.4**	**168.6**	**43.11**
Virginia	**1,364.7**	**19.2**	**7.5**	**12,747**	**1.03**	**10.2**	**175.1**	**44.64**
Michigan	669.0	-	12.4	13,409	1.18	6.7	158.5	42.50
Virginia	685.3	37.7	2.8	12,109	.89	13.6	192.6	46.65
West Virginia	10.4	40.4	-	12,157	.89	12.6	204.3	49.67
West Virginia	**821.5**	**19.2**	**22.4**	**12,847**	**.75**	**8.0**	**157.9**	**40.56**
Kentucky	362.1	-	1.3	12,929	.70	7.3	149.6	38.68
New Jersey	70.0	9.9	89.6	13,641	1.23	5.3	178.1	48.60

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 47. Origin and Destination of Coal Received at Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986 (Continued)

BOM District Origin State Destination State	Receipts 1,000 Short Tons	Percent of Receipts		Average Heat Value Btu per Pound	Average Wt. Percent		Average Delivered Price	
		Surface	Spot		Sulfur	Ash	Cents per Million Btu	Dollars per Short Ton
District 7								
West Virginia								
North Carolina	73.5	49.0	100.0	12,441	0.66	10.7	140.1	34.87
Ohio	272.7	41.3	-	12,594	.66	9.0	169.2	42.62
South Carolina	2.2	-	100.0	12,777	.63	8.7	147.3	37.64
Virginia	41.0	4.9	100.0	13,181	1.16	7.8	152.3	40.15
District 8	**131,727.3**	**49.9**	**25.3**	**12,481**	**1.02**	**10.0**	**175.4**	**43.78**
Kentucky	**76,298.5**	**59.2**	**27.6**	**12,392**	**1.11**	**9.9**	**176.5**	**43.74**
Alabama	1,987.0	65.4	100.0	12,038	1.47	10.3	133.9	32.23
Connecticut	817.0	-	-	13,172	.51	6.8	227.1	59.83
Delaware	21.5	-	-	13,003	.58	7.7	207.5	53.95
Florida	6,101.8	56.9	27.3	12,798	.95	8.0	192.6	49.29
Georgia	11,149.4	75.4	14.6	12,362	1.46	10.3	174.1	43.04
Illinois	1,423.9	14.5	18.9	13,170	.68	6.2	169.0	44.52
Indiana	616.1	60.7	17.6	12,593	1.07	7.6	212.9	53.61
Kentucky	8,088.9	72.6	50.1	12,135	1.29	11.0	147.6	35.83
Maryland	338.0	98.0	3.0	13,036	.70	8.0	180.7	47.11
Michigan	11,183.1	47.6	26.0	12,597	.80	8.8	190.2	47.92
Minnesota	63.0	100.0	100.0	11,649	1.29	11.6	153.2	35.68
Mississippi	1,059.5	1.9	70.4	12,502	1.23	8.5	206.2	51.56
New Hampshire	80.1	-	100.0	13,527	1.26	4.8	223.6	60.50
New Jersey	7.0	-	100.0	13,759	1.18	4.5	186.9	51.43
New York	99.0	84.8	15.2	13,292	1.16	5.2	226.0	60.08
North Carolina	8,270.0	44.4	14.8	12,525	.94	8.9	188.7	47.27
Ohio	8,611.7	69.9	37.2	11,940	1.16	12.1	170.1	40.61
South Carolina	6,734.5	50.7	13.6	12,605	1.19	9.5	184.5	46.50
Tennessee	5,940.9	84.1	12.4	11,706	1.11	12.9	161.4	37.78
Virginia	2,421.5	17.5	45.1	12,968	1.08	7.7	166.0	43.07
West Virginia	1,192.4	92.4	20.7	12,343	1.00	9.7	169.1	41.76
Wisconsin	92.0	70.8	96.4	13,144	.92	7.2	185.7	48.82
Tennessee	**3,850.7**	**24.8**	**27.4**	**12,502**	**1.37**	**10.6**	**157.2**	**39.30**
Alabama	157.1	51.3	96.0	12,193	1.55	11.7	149.5	36.47
Georgia	1,529.8	37.9	9.2	12,552	1.26	10.1	189.1	47.47
Kentucky	29.0	100.0	100.0	12,304	1.81	11.6	100.8	24.80
Mississippi	74.3	-	100.0	12,810	2.41	9.5	200.7	51.41
North Carolina	210.9	-	.1	12,734	1.33	9.0	188.1	47.90
South Carolina	38.7	37.7	37.7	12,313	1.50	10.1	190.0	46.78
Tennessee	1,811.0	13.8	35.5	12,453	1.41	11.1	125.4	31.23
Virginia	**16,409.5**	**37.0**	**15.5**	**12,937**	**1.03**	**9.3**	**181.1**	**46.87**
Alabama	20.5	34.8	100.0	12,500	1.09	9.6	142.3	35.58
Delaware	39.3	-	-	13,460	.76	7.7	201.1	54.15
Florida	810.3	-	14.7	12,629	.71	8.9	239.9	60.60
Georgia	3,508.4	32.3	29.2	12,974	1.12	9.5	187.4	48.64
Massachusetts	1,438.7	5.5	-	13,256	1.20	7.0	189.1	50.13
Michigan	9.3	-	100.0	12,539	.76	8.1	164.8	41.33
New Hampshire	143.6	33.3	-	13,007	1.00	8.4	222.9	57.99
New Jersey	554.1	1.6	22.3	13,530	1.03	6.0	200.0	54.13
North Carolina	5,390.0	60.5	10.9	12,760	.96	10.2	176.2	44.96
Ohio	62.1	-	100.0	13,176	1.13	7.1	146.4	38.58
South Carolina	816.8	40.7	25.7	13,156	1.46	9.1	167.3	44.01
Tennessee	1,004.2	8.1	21.2	12,855	1.19	9.6	135.5	34.83
Virginia	2,574.8	43.3	5.0	12,997	.89	9.4	177.1	46.05
Wisconsin	37.3	24.7	100.0	12,856	1.63	6.1	148.5	38.17
West Virginia	**35,168.6**	**38.7**	**24.9**	**12,460**	**.78**	**10.6**	**172.3**	**42.93**
Alabama	111.5	100.0	100.0	12,180	.89	12.2	139.3	33.94
Delaware	186.9	-	-	12,854	.60	8.0	208.2	53.51
Florida	761.2	6.0	9.8	12,655	.72	10.3	166.5	42.15
Georgia	994.4	.3	.8	12,243	.65	10.4	296.4	72.57
Illinois	418.2	100.0	91.6	12,245	.65	10.6	141.6	34.68
Indiana	152.3	-	-	12,144	.69	12.3	224.8	54.59
Kentucky	2,313.1	33.5	63.9	12,401	.66	10.1	145.3	36.04
Maryland	632.0	98.4	4.1	12,449	.70	10.7	175.9	43.79
Massachusetts	222.9	15.0	15.0	13,654	1.02	5.7	181.5	49.56
Michigan	3,555.2	39.3	26.3	13,113	.78	7.6	177.4	46.53
Mississippi	274.5	11.0	38.2	12,695	1.71	6.4	188.8	47.93
New Hampshire	8.2	-	100.0	13,897	1.01	5.8	192.0	53.36
New Jersey	72.8	35.3	11.8	13,172	.91	7.9	168.3	44.34
New York	1.0	-	-	13,299	.63	6.7	196.0	52.13
North Carolina	5,196.9	23.0	11.1	12,380	.76	11.0	188.2	46.60
Ohio	6,691.9	50.8	26.7	12,145	.87	12.2	168.5	40.93
South Carolina	16.3	46.6	41.7	12,666	.79	10.6	169.4	42.91
Tennessee	23.2	-	100.0	12,371	2.35	13.5	114.7	28.37
Virginia	1,604.1	72.3	44.5	12,763	.81	9.3	158.6	40.48
West Virginia	11,836.2	36.9	20.8	12,426	.76	10.9	162.5	40.38
Wisconsin	95.8	-	-	12,587	1.06	8.1	167.9	42.27
District 9	**38,566.9**	**54.5**	**15.5**	**11,575**	**3.09**	**10.6**	**141.4**	**32.74**

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 47. Origin and Destination of Coal Received at Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986 (Continued)

BOM District Origin State Destination State	Receipts 1,000 Short Tons	Percent of Receipts		Average Heat Value Btu per Pound	Average Wt. Percent		Average Delivered Price	
		Surface	Spot		Sulfur	Ash	Cents per Million Btu	Dollars per Short Ton
District 9								
Kentucky	**38,566.9**	**54.5**	**15.5**	**11,575**	**3.09**	**10.6**	**141.4**	**32.74**
Alabama	1,263.7	23.1	67.5	11,708	3.49	12.2	113.8	26.65
Florida	4,797.7	43.4	34.2	12,125	2.90	9.1	173.9	42.16
Georgia	2,382.8	100.0	-	11,804	2.91	9.4	181.0	42.74
Illinois	1,123.3	100.0	-	11,304	1.93	9.0	173.8	39.28
Indiana	2,329.7	81.2	24.6	11,657	3.45	10.9	121.0	28.20
Iowa	16.7	100.0	100.0	11,160	2.93	11.6	102.9	22.97
Kentucky	14,172.6	39.6	8.9	11,075	3.52	13.1	123.6	27.37
Michigan	59.9	100.0	90.7	11,514	2.83	9.6	153.7	35.39
Mississippi	767.1	87.5	68.6	12,308	2.43	6.7	181.0	44.54
Missouri	62.5	1.0	1.0	11,155	3.04	11.4	108.6	24.23
Ohio	428.5	93.3	3.0	11,284	2.72	9.8	161.1	36.37
Tennessee	10,463.4	56.2	9.5	11,864	2.72	8.5	140.1	33.25
Wisconsin	698.9	84.9	8.3	12,179	2.69	8.1	149.2	36.33
District 10	**56,996.7**	**37.6**	**9.3**	**11,113**	**2.59**	**9.5**	**162.8**	**36.19**
Illinois	**56,996.7**	**37.6**	**9.3**	**11,113**	**2.59**	**9.5**	**162.8**	**36.19**
Alabama	148.7	-	100.0	12,062	.95	5.6	136.0	32.80
Florida	3,934.7	11.6	.4	11,616	2.76	9.0	212.3	49.33
Georgia	5,608.7	43.5	.2	11,424	2.47	8.8	164.5	37.59
Illinois	17,063.1	32.0	3.3	10,879	2.89	9.9	157.1	34.18
Indiana	10,213.6	19.4	5.0	10,751	2.68	10.3	166.9	35.89
Iowa	1,971.4	60.0	29.9	11,257	2.72	8.4	156.4	35.21
Kansas	283.9	-	60.0	11,471	2.48	9.5	165.0	37.84
Kentucky	64.7	-	100.0	11,949	.70	11.6	145.2	34.70
Minnesota	112.7	-	-	12,250	1.62	7.1	210.8	51.64
Mississippi	335.5	100.0	33.0	12,199	2.50	8.5	174.8	42.64
Missouri	12,854.4	69.8	1.5	11,139	2.37	9.6	159.2	35.46
Tennessee	2,914.5	6.4	95.5	11,749	1.89	8.0	122.5	28.77
Wisconsin	1,490.8	30.2	11.5	11,587	1.82	8.0	175.5	40.68
District 11	**25,328.2**	**98.2**	**9.8**	**11,102**	**2.62**	**9.2**	**139.4**	**30.95**
Indiana	**25,328.2**	**98.2**	**9.8**	**11,102**	**2.62**	**9.2**	**139.4**	**30.95**
Alabama	3.2	100.0	100.0	11,583	3.89	6.9	108.0	25.03
Florida	16.4	100.0	100.0	11,087	2.36	11.2	92.5	20.51
Georgia	1,328.2	100.0	-	11,440	2.50	7.4	166.7	38.15
Illinois	1,281.1	90.8	32.9	11,269	1.38	8.1	159.9	36.03
Indiana	17,639.1	99.1	8.2	11,048	2.80	9.4	134.2	29.66
Iowa	416.7	100.0	33.3	10,877	2.48	9.2	110.8	24.11
Kentucky	2,555.5	100.0	8.6	11,135	2.62	8.9	131.2	29.22
Michigan	50.3	100.0	-	10,780	2.36	11.0	181.8	39.19
Minnesota	140.0	100.0	100.0	10,937	1.40	9.5	137.7	30.11
Missouri	61.0	100.0	100.0	11,100	1.20	10.0	129.9	28.84
Ohio	3.2	100.0	100.0	10,791	3.14	9.5	80.1	17.29
Tennessee	71.0	-	-	11,758	1.38	9.4	149.7	35.20
Wisconsin	1,762.5	94.3	2.5	11,270	1.94	8.6	171.9	38.75
District 12	**145.6**	**100.0**	**-**	**9,968**	**2.23**	**9.6**	**149.9**	**29.89**
Iowa	**145.6**	**100.0**	**-**	**9,968**	**2.23**	**9.6**	**149.9**	**29.89**
Iowa	145.6	100.0	-	9,968	2.23	9.6	149.9	29.89
District 13	**17,057.6**	**59.3**	**13.9**	**12,290**	**1.34**	**11.9**	**203.0**	**49.91**
Alabama	**16,385.7**	**61.0**	**12.9**	**12,284**	**1.36**	**11.9**	**205.6**	**50.51**
Alabama	15,192.1	58.3	11.9	12,305	1.29	11.7	205.8	50.65
Florida	79.3	34.6	100.0	12,277	2.06	10.8	143.7	35.29
Georgia	827.3	100.0	-	11,861	2.22	14.8	215.8	51.20
Mississippi	287.1	100.0	81.4	12,416	2.40	10.8	182.4	45.28
Tennessee	**671.9**	**17.0**	**36.9**	**12,434**	**.85**	**12.0**	**141.8**	**35.27**
Alabama	671.9	17.0	36.9	12,434	.85	12.0	141.8	35.27
District 14	**94.6**	**100.0**	**100.0**	**13,623**	**1.33**	**7.7**	**146.6**	**39.95**
Oklahoma	**94.6**	**100.0**	**100.0**	**13,623**	**1.33**	**7.7**	**146.6**	**39.95**
Oklahoma	94.6	100.0	100.0	13,623	1.33	7.7	146.6	39.95
District 15	**51,617.4**	**100.0**	**3.3**	**6,953**	**1.31**	**15.7**	**117.9**	**16.40**
Kansas	**1,252.6**	**100.0**	**23.9**	**9,919**	**4.64**	**22.6**	**124.9**	**24.78**
Kansas	1,085.8	100.0	12.2	9,589	4.78	24.2	121.4	23.28
Missouri	166.8	100.0	100.0	12,065	3.73	12.8	143.2	34.55
Louisiana	**2,253.0**	**100.0**	**-**	**6,864**	**.58**	**12.6**	**118.0**	**16.19**
Louisiana	2,253.0	100.0	-	6,864	.58	12.6	118.0	16.19
Missouri	**4,423.5**	**100.0**	**11.9**	**10,316**	**4.45**	**15.1**	**147.1**	**30.35**
Iowa	80.0	100.0	-	11,181	2.55	7.5	136.2	30.45
Kansas	511.5	100.0	10.1	9,527	4.86	24.3	121.1	23.07
Missouri	3,832.0	100.0	12.3	10,403	4.44	14.1	150.5	31.32
Oklahoma	**1,387.8**	**99.8**	**41.6**	**12,570**	**3.04**	**10.4**	**139.5**	**35.06**
Florida	249.4	100.0	100.0	12,859	.58	6.3	190.9	49.09
Kansas	95.9	100.0	100.0	11,960	2.74	11.5	136.3	32.60

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 47. Origin and Destination of Coal Received at Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986 (Continued)

BOM District Origin State Destination State	Receipts 1,000 Short Tons	Percent of Receipts		Average Heat Value Btu per Pound	Average Wt. Percent		Average Delivered Price	
		Surface	Spot		Sulfur	Ash	Cents per Million Btu	Dollars per Short Ton
District 15								
Oklahoma								
Missouri	881.4	100.0	18.2	12,577	3.93	11.7	123.4	31.03
Oklahoma	161.0	98.6	44.4	12,444	2.17	8.7	148.2	36.88
Texas	**42,300.5**	**100.0**	**.8**	**6,334**	**.87**	**15.9**	**111.2**	**14.09**
Texas	42,300.5	100.0	.8	6,334	.87	15.9	111.2	14.09
District 16	**151.9**	**100.0**	**100.0**	**10,474**	**.29**	**5.8**	**124.5**	**26.09**
Colorado	**151.9**	**100.0**	**100.0**	**10,474**	**.29**	**5.8**	**124.5**	**26.09**
Colorado	137.7	100.0	100.0	10,512	.28	5.7	119.9	25.21
Nebraska	14.2	100.0	100.0	10,103	.34	6.3	171.0	34.56
District 17	**12,802.8**	**70.0**	**3.1**	**10,782**	**.43**	**8.1**	**165.2**	**35.63**
Colorado	**12,129.3**	**68.4**	**2.8**	**10,714**	**.42**	**7.7**	**162.7**	**34.87**
Arizona	19.0	-	100.0	11,914	.36	16.8	196.6	46.85
Colorado	8,187.6	83.0	.5	10,532	.42	8.1	118.2	24.91
Indiana	325.3	-	-	11,461	.49	9.7	291.3	66.76
Mississippi	1,047.8	-	-	11,700	.54	7.9	322.0	75.34
Nebraska	103.1	-	1.5	12,189	.60	7.4	182.6	44.51
Texas	1,791.7	84.3	15.7	10,764	.34	5.2	221.8	47.76
Utah	654.8	-	-	10,645	.43	8.8	196.4	41.81
New Mexico	**673.5**	**97.1**	**9.0**	**11,994**	**.54**	**15.4**	**205.0**	**49.18**
Arizona	474.0	100.0	4.1	11,971	.55	15.6	228.8	54.79
Michigan	22.0	100.0	100.0	12,220	.45	12.7	155.1	37.91
Texas	158.0	100.0	-	11,940	.53	16.0	141.6	33.80
Wisconsin	19.5	-	100.0	12,734	.42	8.9	196.7	50.10
District 18	**30,873.5**	**100.0**	**-**	**9,943**	**.64**	**15.5**	**119.3**	**23.73**
Arizona	**11,384.6**	**100.0**	**-**	**11,019**	**.52**	**9.2**	**94.3**	**20.79**
Arizona	6,628.2	100.0	-	11,034	.50	8.7	88.9	19.61
Nevada	4,756.4	100.0	-	10,998	.55	9.8	102.0	22.43
New Mexico	**19,488.9**	**100.0**	**-**	**9,315**	**.71**	**19.2**	**136.6**	**25.44**
Arizona	5,725.3	100.0	-	9,815	.56	14.4	188.4	36.99
New Mexico	13,763.7	100.0	-	9,107	.78	21.2	113.3	20.64
District 19	**138,046.2**	**99.8**	**4.8**	**8,636**	**.40**	**5.9**	**160.2**	**27.67**
Wyoming	**138,046.2**	**99.8**	**4.8**	**8,636**	**.40**	**5.9**	**160.2**	**27.67**
Arizona	19.5	100.0	100.0	9,008	.37	4.8	188.1	33.89
Arkansas	11,855.7	100.0	-	8,670	.32	5.4	156.3	27.10
Colorado	5,069.8	100.0	.1	8,510	.32	4.7	115.8	19.70
Illinois	8,620.3	100.0	-	9,503	.47	6.7	344.0	65.38
Indiana	4,069.4	95.0	5.0	8,252	.33	5.2	214.0	35.33
Iowa	8,753.9	100.0	8.4	8,604	.40	5.8	133.0	22.88
Kansas	11,925.5	100.0	.1	8,524	.36	5.1	132.4	22.57
Louisiana	7,840.1	100.0	-	8,482	.47	6.2	193.7	32.86
Michigan	11.0	100.0	100.0	8,883	.27	4.7	132.6	23.56
Minnesota	2,641.9	100.0	6.0	8,748	.30	4.8	127.5	22.30
Missouri	3,383.0	100.0	20.6	8,723	.34	5.0	90.8	15.85
Montana	3,467.0	100.0	-	8,607	.65	9.9	63.7	10.96
Nebraska	5,663.1	100.0	9.4	8,646	.33	4.9	101.8	17.60
Nevada	129.1	100.0	-	9,582	.40	8.7	183.2	35.11
Oklahoma	11,751.4	100.0	.9	8,571	.37	5.2	164.2	28.15
Texas	25,042.0	100.0	.8	8,529	.37	5.3	195.8	33.40
Wisconsin	9,166.9	99.9	42.9	8,489	.32	5.0	155.2	26.35
Wyoming	18,636.5	100.0	.2	8,706	.52	8.3	92.2	16.06
District 20	**9,705.0**	**-**	**8.4**	**11,617**	**.48**	**10.4**	**158.2**	**36.75**
Utah	**9,705.0**	**-**	**8.4**	**11,617**	**.48**	**10.4**	**158.2**	**36.75**
Colorado	26.2	-	-	11,682	.52	9.8	138.2	32.29
Mississippi	226.4	-	-	12,126	.52	8.5	330.7	80.21
Nevada	2,728.9	-	-	11,691	.47	8.8	198.4	46.38
Utah	6,723.5	-	12.1	11,570	.49	11.1	135.7	31.40
District 21	**19,662.3**	**100.0**	**1.6**	**6,536**	**.73**	**8.7**	**87.0**	**11.37**
North Dakota	**19,662.3**	**100.0**	**1.6**	**6,536**	**.73**	**8.7**	**87.0**	**11.37**
Minnesota	228.0	100.0	-	6,893	.82	7.6	175.7	24.22
North Dakota	17,568.3	100.0	1.8	6,579	.71	8.8	82.1	10.81
South Dakota	1,866.0	100.0	-	6,085	.93	8.1	124.1	15.10
District 22	**27,022.9**	**100.0**	**5.8**	**9,024**	**.53**	**6.6**	**173.8**	**31.37**
Montana	**27,022.9**	**100.0**	**5.8**	**9,024**	**.53**	**6.6**	**173.8**	**31.37**
Arizona	19.7	100.0	100.0	9,341	.34	4.7	164.8	30.79
Illinois	3,036.5	100.0	-	9,492	.43	4.6	275.7	52.34
Indiana	1,384.0	100.0	-	9,481	.43	4.6	284.4	53.93
Michigan	8,162.5	100.0	19.1	9,557	.37	4.2	172.8	33.04
Minnesota	6,138.0	100.0	-	8,638	.73	8.8	136.4	23.56
Montana	4,031.1	100.0	-	8,501	.64	9.5	70.7	12.02
Nebraska	.1	100.0	100.0	9,210	.48	3.2	90.8	16.73

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

Table 47. Origin and Destination of Coal Received at Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986 (Continued)

BOM District Origin State Destination State	Receipts 1,000 Short Tons	Percent of Receipts		Average Heat Value Btu per Pound	Average Wt. Percent		Average Delivered Price	
		Surface	Spot		Sulfur	Ash	Cents per Million Btu	Dollars per Short Ton
District 22								
Montana								
Texas	2,178.0	100.0	-	8,471	0.31	5.4	246.5	41.77
Wisconsin	2,072.9	100.0	-	8,669	.77	9.1	166.3	28.83
District 23	**4,659.0**	**100.0**	**4.3**	**8,100**	**.69**	**14.6**	**168.6**	**27.31**
Washington	**4,659.0**	**100.0**	**4.3**	**8,100**	**.69**	**14.6**	**168.6**	**27.31**
Washington	4,659.0	100.0	4.3	8,100	.69	14.6	168.6	27.31
Anthracite Coal	**536.0**	**97.4**	**86.0**	**7,789**	**.61**	**33.5**	**81.0**	**12.62**
Pennsylvania	**536.0**	**97.4**	**86.0**	**7,789**	**.61**	**33.5**	**81.0**	**12.62**
Pennsylvania	536.0	97.4	86.0	7,789	.61	33.5	81.0	12.62
Imported Coal	**1,485.8**	**30.6**	**2.5**	**11,853**	**.53**	**10.5**	**198.5**	**47.06**
South Africa	**1,030.5**	**-**	**-**	**11,755**	**.53**	**12.5**	**216.9**	**50.98**
Florida	1,030.5	-	-	11,755	.53	12.5	216.9	50.98
Canada	**37.0**	**100.0**	**100.0**	**10,005**	**.63**	**13.5**	**133.4**	**26.70**
Florida	37.0	100.0	100.0	10,005	.63	13.5	133.4	26.70
Colombia	**418.3**	**100.0**	**-**	**12,257**	**.50**	**5.5**	**159.9**	**39.21**
Florida	418.3	100.0	-	12,257	.50	5.5	159.9	39.21
Total	**686,964.1**	**69.4**	**12.5**	**10,543**	**1.39**	**10.0**	**157.9**	**33.30**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 48. Destination and Origin of Coal Received at Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986

Census Division / State of Destination / BOM District and State of Origin	Receipts 1,000 Short Tons	Percent of Receipts		Average Heat Value Btu per Pound	Average Wt. Percent		Average Delivered Price	
		Surface	Spot		Sulfur	Ash	Cents per Million Btu	Dollars per Short Ton
New England	**5,717.6**	**13.0**	**12.1**	**13,249**	**1.23**	**7.5**	**188.4**	**49.92**
Connecticut	**817.0**	**-**	**-**	**13,172**	**.51**	**6.8**	**227.1**	**59.83**
District No 8 Kentucky	817.0	-	-	13,172	.51	6.8	227.1	59.83
Massachusetts	**3,948.3**	**17.6**	**15.2**	**13,219**	**1.19**	**7.7**	**177.8**	**47.00**
District No 1 Pennsylvania	351.2	80.0	100.0	13,069	1.36	7.5	193.5	50.57
District No 2 Pennsylvania	372.2	-	4.0	13,365	1.25	6.4	176.9	47.28
District No 3 West Virginia	1,563.3	19.3	12.8	13,121	1.15	8.9	163.4	42.89
District No 8 Virginia	1,438.7	5.5	-	13,256	1.20	7.0	189.1	50.13
District No 8 West Virginia	222.9	15.0	15.0	13,654	1.02	5.7	181.5	49.56
New Hampshire	**952.3**	**5.0**	**9.5**	**13,443**	**2.03**	**7.4**	**199.0**	**53.51**
District No 3 West Virginia	720.4	-	.3	13,516	2.34	7.6	191.8	51.85
District No 8 Kentucky	80.1	-	100.0	13,527	1.26	4.8	223.6	60.50
District No 8 Virginia	143.6	33.3	-	13,007	1.00	8.4	222.9	57.99
District No 8 West Virginia	8.2	-	100.0	13,897	1.01	5.8	192.0	53.36
Mid Atlantic	**49,713.6**	**39.1**	**24.3**	**12,381**	**2.07**	**12.7**	**153.1**	**37.90**
New Jersey	**2,579.0**	**28.2**	**26.1**	**13,229**	**1.35**	**8.0**	**180.8**	**47.84**
District No 2 Pennsylvania	8.0	100.0	100.0	12,607	2.10	8.3	185.4	46.75
District No 3 West Virginia	1,859.1	36.0	24.5	13,129	1.46	8.7	175.4	46.05
District No 4 Ohio	8.0	100.0	100.0	12,612	2.02	9.8	198.5	50.07
District No 7 West Virginia	70.0	9.9	89.6	13,641	1.23	5.3	178.1	48.60
District No 8 Kentucky	7.0	-	100.0	13,759	1.18	4.5	186.9	51.43
District No 8 Virginia	554.1	1.6	22.3	13,530	1.03	6.0	200.0	54.13
District No 8 West Virginia	72.8	35.3	11.8	13,172	.91	7.9	168.3	44.34
New York	**6,296.5**	**55.0**	**33.6**	**12,722**	**1.92**	**10.1**	**164.9**	**41.96**
District No 1 Pennsylvania	3,030.2	94.5	43.4	12,345	1.69	12.5	167.0	41.24
District No 2 Pennsylvania	1,130.6	43.3	58.1	13,130	1.57	7.1	156.1	41.00
District No 3 West Virginia	2,007.5	-	5.0	13,035	2.48	8.5	163.7	42.67
District No 4 Ohio	28.2	100.0	100.0	12,634	1.65	8.2	174.6	44.11
District No 8 Kentucky	99.0	84.8	15.2	13,292	1.16	5.2	226.0	60.08
District No 8 West Virginia	1.0	-	-	13,299	.63	6.7	196.0	52.13
Pennsylvania	**40,838.2**	**37.4**	**22.8**	**12,275**	**2.13**	**13.4**	**149.3**	**36.65**
District No 1 Pennsylvania	25,523.9	41.5	14.9	12,310	1.82	14.3	148.4	36.53
District No 2 Pennsylvania	4,923.7	56.9	51.8	12,326	1.99	11.4	140.7	34.69
District No 3 West Virginia	4,953.3	7.2	10.3	12,748	2.26	10.1	142.1	36.22
District No 4 Ohio	4,716.3	20.8	38.5	12,046	3.98	11.8	178.0	42.89
District No 6 West Virginia	185.0	-	100.0	12,391	2.72	11.9	108.8	26.96
Anthracite Coal Pennsylvania	536.0	97.4	86.0	7,789	.61	33.5	81.0	12.62
East North Central	**161,292.9**	**65.0**	**16.1**	**11,082**	**1.87**	**9.0**	**174.6**	**38.69**
Illinois	**32,966.4**	**60.7**	**5.0**	**10,537**	**1.82**	**8.3**	**212.2**	**44.71**
District No 8 Kentucky	1,423.9	14.5	18.9	13,170	.68	6.2	169.0	44.52
District No 8 West Virginia	418.2	100.0	91.6	12,245	.65	10.6	141.6	34.68
District No 9 Kentucky	1,123.3	100.0	-	11,304	1.93	9.0	173.8	39.28
District No 10 Illinois	17,063.1	32.0	3.3	10,879	2.89	9.9	157.1	34.18
District No 11 Indiana	1,281.1	90.8	32.9	11,269	1.38	8.1	159.9	36.03
District No 19 Wyoming	8,620.3	100.0	-	9,503	.47	6.7	344.0	65.38
District No 22 Montana	3,036.5	100.0	-	9,492	.43	4.6	275.7	52.34
Indiana	**36,890.1**	**73.2**	**8.1**	**10,679**	**2.39**	**9.1**	**157.8**	**33.70**
District No 3 West Virginia	129.7	-	100.0	13,206	2.44	7.4	162.9	43.03
District No 4 Ohio	30.9	100.0	100.0	11,419	3.30	10.8	115.9	26.46
District No 8 Kentucky	616.1	60.7	17.6	12,593	1.07	7.6	212.9	53.61
District No 8 West Virginia	152.3	-	-	12,144	.69	12.3	224.8	54.59
District No 9 Kentucky	2,329.7	81.2	24.6	11,657	3.45	10.9	121.0	28.20
District No 10 Illinois	10,213.6	19.4	5.0	10,751	2.68	10.3	166.9	35.89
District No 11 Indiana	17,639.1	99.1	8.2	11,048	2.80	9.4	134.2	29.66
District No 17 Colorado	325.3	-	-	11,461	.49	9.7	291.3	66.76
District No 19 Wyoming	4,069.4	95.0	5.0	8,252	.33	5.2	214.0	35.33
District No 22 Montana	1,384.0	100.0	-	9,481	.43	4.6	284.4	53.93
Michigan	**27,148.4**	**57.4**	**21.8**	**11,721**	**.82**	**7.2**	**181.2**	**42.48**
District No 1 Pennsylvania	463.0	100.0	-	12,836	2.79	8.8	183.8	47.18
District No 2 Pennsylvania	1,315.5	-	15.7	13,127	1.33	6.5	169.1	44.39
District No 3 West Virginia	127.0	-	100.0	12,940	1.36	8.5	125.7	32.53
District No 4 Ohio	1,520.5	6.0	-	11,293	2.15	10.7	186.3	42.07
District No 7 Virginia	669.0	-	12.4	13,409	1.18	6.7	158.5	42.50
District No 8 Kentucky	11,183.1	47.6	26.0	12,597	.80	8.8	190.2	47.92
District No 8 Virginia	9.3	-	100.0	12,539	.76	8.1	164.8	41.33
District No 8 West Virginia	3,555.2	39.3	26.3	13,113	.78	7.6	177.4	46.53
District No 9 Kentucky	59.9	100.0	90.7	11,514	2.83	9.6	153.7	35.39
District No 11 Indiana	50.3	100.0	-	10,780	2.36	11.0	181.8	39.19
District No 17 New Mexico	22.0	100.0	100.0	12,220	.45	12.7	155.1	37.91
District No 19 Wyoming	11.0	100.0	100.0	8,883	.27	4.7	132.6	23.56
District No 22 Montana	8,162.5	100.0	19.1	9,557	.37	4.2	172.8	33.04
Ohio	**47,473.1**	**58.3**	**22.7**	**11,910**	**2.45**	**11.3**	**162.9**	**38.80**
District No 2 Pennsylvania	3,201.6	77.5	33.6	12,396	2.16	11.2	141.6	35.10
District No 3 West Virginia	339.0	70.5	43.7	12,568	2.11	10.9	136.4	34.28
District No 4 Ohio	24,371.8	61.0	18.4	11,724	3.25	11.0	161.9	37.97
District No 6 West Virginia	3,490.5	4.5	-	12,181	3.55	9.9	163.7	39.89
District No 7 West Virginia	272.7	41.3	-	12,594	.66	9.0	169.2	42.62

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

Table 48. Destination and Origin of Coal Received at Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986 (Continued)

Census Division / State of Destination / BOM District and State of Origin	Receipts 1,000 Short Tons	Percent of Receipts		Average Heat Value Btu per Pound	Average Wt. Percent		Average Delivered Price	
		Surface	Spot		Sulfur	Ash	Cents per Million Btu	Dollars per Short Ton
East North Central								
Ohio								
District No 8 Kentucky	8,611.7	69.9	37.2	11,940	1.16	12.1	170.1	40.61
District No 8 Virginia	62.1	-	100.0	13,176	1.13	7.1	146.4	38.58
District No 8 West Virginia	6,691.9	50.8	26.7	12,145	.87	12.2	168.5	40.93
District No 9 Kentucky	428.5	93.3	3.0	11,284	2.72	9.8	161.1	36.37
District No 11 Indiana	3.2	100.0	100.0	10,791	3.14	9.5	80.1	17.29
Wisconsin	**16,815.0**	**86.9**	**27.7**	**9,662**	**.90**	**6.5**	**162.4**	**31.37**
District No 1 Pennsylvania	361.3	100.0	17.7	12,829	1.86	8.4	190.8	48.95
District No 2 Pennsylvania	1,016.3	23.8	24.6	13,023	1.50	6.8	163.4	42.55
District No 4 Ohio	.7	66.7	100.0	12,800	2.60	8.8	208.9	53.48
District No 8 Kentucky	92.0	70.8	96.4	13,144	.92	7.2	185.7	48.82
District No 8 Virginia	37.3	24.7	100.0	12,856	1.63	6.1	148.5	38.17
District No 8 West Virginia	95.8	-	-	12,587	1.06	8.1	167.9	42.27
District No 9 Kentucky	698.9	84.9	8.3	12,179	2.69	8.1	149.2	36.33
District No 10 Illinois	1,490.8	30.2	11.5	11,587	1.82	8.0	175.5	40.68
District No 11 Indiana	1,762.5	94.3	2.5	11,270	1.94	8.6	171.9	38.75
District No 17 New Mexico	19.5	-	100.0	12,734	.42	8.9	196.7	50.10
District No 19 Wyoming	9,166.9	99.9	42.9	8,489	.32	5.0	155.2	26.35
District No 22 Montana	2,072.9	100.0	-	8,669	.77	9.1	166.3	28.83
West North Central	**81,066.5**	**93.5**	**6.1**	**8,778**	**1.22**	**8.1**	**127.7**	**22.41**
Iowa	**11,384.4**	**93.1**	**13.0**	**9,186**	**.92**	**6.4**	**137.2**	**25.20**
District No 9 Kentucky	16.7	100.0	100.0	11,160	2.93	11.6	102.9	22.97
District No 10 Illinois	1,971.4	60.0	29.9	11,257	2.72	8.4	156.4	35.21
District No 11 Indiana	416.7	100.0	33.3	10,877	2.48	9.2	110.8	24.11
District No 12 Iowa	145.6	100.0	-	9,968	2.23	9.6	149.9	29.89
District No 15 Missouri	80.0	100.0	-	11,181	2.55	7.5	136.2	30.45
District No 19 Wyoming	8,753.9	100.0	8.4	8,604	.40	5.8	133.0	22.88
Kansas	**13,902.6**	**98.0**	**3.3**	**8,728**	**.93**	**7.4**	**131.9**	**23.02**
District No 10 Illinois	283.9	-	60.0	11,471	2.48	9.5	165.0	37.84
District No 15 Kansas	1,085.8	100.0	12.2	9,589	4.78	24.2	121.4	23.28
District No 15 Missouri	511.5	100.0	10.1	9,527	4.86	24.3	121.1	23.07
District No 15 Oklahoma	95.9	100.0	100.0	11,960	2.74	11.5	136.3	32.60
District No 19 Wyoming	11,925.5	100.0	.1	8,524	.36	5.1	132.4	22.57
Minnesota	**9,323.6**	**98.8**	**3.9**	**8,725**	**.63**	**7.7**	**136.0**	**23.74**
District No 8 Kentucky	63.0	100.0	100.0	11,649	1.29	11.6	153.2	35.68
District No 10 Illinois	112.7	-	-	12,250	1.62	7.1	210.8	51.64
District No 11 Indiana	140.0	100.0	100.0	10,937	1.40	9.5	137.7	30.11
District No 19 Wyoming	2,641.9	100.0	6.0	8,748	.30	4.8	127.5	22.30
District No 21 North Dakota	228.0	100.0	-	6,893	.82	7.6	175.7	24.22
District No 22 Montana	6,138.0	100.0	-	8,638	.73	8.8	136.4	23.56
Missouri	**21,241.1**	**81.4**	**8.2**	**10,689**	**2.50**	**9.8**	**146.6**	**31.35**
District No 9 Kentucky	62.5	1.0	1.0	11,155	3.04	11.4	108.6	24.23
District No 10 Illinois	12,854.4	69.8	1.5	11,139	2.37	9.6	159.2	35.46
District No 11 Indiana	61.0	100.0	100.0	11,100	1.20	10.0	129.9	28.84
District No 15 Kansas	166.8	100.0	100.0	12,065	3.73	12.8	143.2	34.55
District No 15 Missouri	3,832.0	100.0	12.3	10,403	4.44	14.1	150.5	31.32
District No 15 Oklahoma	881.4	100.0	18.2	12,577	3.93	11.7	123.4	31.03
District No 19 Wyoming	3,383.0	100.0	20.6	8,723	.34	5.0	90.8	15.85
Nebraska	**5,780.5**	**98.2**	**9.5**	**8,713**	**.34**	**4.9**	**104.0**	**18.12**
District No 16 Colorado	14.2	100.0	100.0	10,103	.34	6.3	171.0	34.56
District No 17 Colorado	103.1	-	1.5	12,189	.60	7.4	182.6	44.51
District No 19 Wyoming	5,663.1	100.0	9.4	8,646	.33	4.9	101.8	17.60
District No 22 Montana	.1	100.0	100.0	9,210	.48	3.2	90.8	16.73
North Dakota	**17,568.3**	**100.0**	**1.8**	**6,579**	**.71**	**8.8**	**82.1**	**10.81**
District No 21 North Dakota	17,568.3	100.0	1.8	6,579	.71	8.8	82.1	10.81
South Dakota	**1,866.0**	**100.0**	**-**	**6,085**	**.93**	**8.1**	**124.1**	**15.10**
District No 21 North Dakota	1,866.0	100.0	-	6,085	.93	8.1	124.1	15.10
South Atlantic	**120,825.9**	**45.6**	**16.6**	**12,432**	**1.50**	**10.1**	**174.0**	**43.28**
Delaware	**2,296.2**	**36.0**	**15.3**	**13,000**	**.96**	**8.8**	**191.4**	**49.75**
District No 1 Pennsylvania	899.4	83.1	19.1	12,689	1.31	10.5	184.6	46.86
District No 2 Pennsylvania	31.9	-	100.0	13,136	.74	6.8	192.7	50.63
District No 3 West Virginia	1,117.3	7.2	13.3	13,255	.76	7.6	193.1	51.20
District No 8 Kentucky	21.5	-	-	13,003	.58	7.7	207.5	53.95
District No 8 Virginia	39.3	-	-	13,460	.76	7.7	201.1	54.15
District No 8 West Virginia	186.9	-	-	12,854	.60	8.0	208.2	53.51
Florida	**18,311.4**	**37.2**	**21.3**	**12,276**	**1.80**	**8.8**	**192.9**	**47.36**
District No 3 West Virginia	74.9	-	-	13,097	2.51	9.0	182.3	47.75
District No 8 Kentucky	6,101.8	56.9	27.3	12,798	.95	8.0	192.6	49.29
District No 8 Virginia	810.3	-	14.7	12,629	.71	8.9	239.9	60.60
District No 8 West Virginia	761.2	6.0	9.8	12,655	.72	10.3	166.5	42.15
District No 9 Kentucky	4,797.7	43.4	34.2	12,125	2.90	9.1	173.9	42.16
District No 10 Illinois	3,934.7	11.6	.4	11,616	2.76	9.0	212.3	49.33
District No 11 Indiana	16.4	100.0	100.0	11,087	2.36	11.2	92.5	20.51
District No 13 Alabama	79.3	34.6	100.0	12,277	2.06	10.8	143.7	35.29
District No 15 Oklahoma	249.4	100.0	100.0	12,859	.58	6.3	190.9	49.09

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 48. Destination and Origin of Coal Received at Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986 (Continued)

Census Division / State of Destination / BOM District and State of Origin	Receipts 1,000 Short Tons	Percent of Receipts		Average Heat Value Btu per Pound	Average Wt. Percent		Average Delivered Price	
		Surface	Spot		Sulfur	Ash	Cents per Million Btu	Dollars per Short Ton
South Atlantic								
Florida								
Imported Coal South Africa	1,030.5	-	-	11,755	0.53	12.5	216.9	50.98
Imported Coal Canada	37.0	100.0	100.0	10,005	.63	13.5	133.4	26.70
Imported Coal Columbia S.A.	418.3	100.0	-	12,257	.50	5.5	159.9	39.21
Georgia	**27,329.0**	**62.6**	**10.3**	**12,146**	**1.78**	**9.8**	**180.9**	**43.95**
District No 8 Kentucky	11,149.4	75.4	14.6	12,362	1.46	10.3	174.1	43.04
District No 8 Tennessee	1,529.8	37.9	9.2	12,552	1.26	10.1	189.1	47.47
District No 8 Virginia	3,508.4	32.3	29.2	12,974	1.12	9.5	187.4	48.64
District No 8 West Virginia	994.4	.3	.8	12,243	.65	10.4	296.4	72.57
District No 9 Kentucky	2,382.8	100.0	-	11,804	2.91	9.4	181.0	42.74
District No 10 Illinois	5,608.7	43.5	.2	11,424	2.47	8.8	164.5	37.59
District No 11 Indiana	1,328.2	100.0	-	11,440	2.50	7.4	166.7	38.15
District No 13 Alabama	827.3	100.0	-	11,861	2.22	14.8	215.8	51.20
Maryland	**7,806.6**	**72.3**	**23.6**	**12,689**	**1.39**	**10.6**	**166.6**	**42.28**
District No 1 Maryland	1,133.9	73.9	40.1	12,648	1.51	11.8	159.9	40.44
District No 1 Pennsylvania	2,708.1	98.6	9.3	12,497	1.68	11.9	168.9	42.22
District No 1 West Virginia	61.0	-	100.0	13,023	1.42	10.1	142.0	36.98
District No 2 Pennsylvania	116.0	-	100.0	12,930	1.81	9.2	170.9	44.19
District No 3 West Virginia	2,817.6	42.0	32.6	12,884	1.27	9.3	163.8	42.20
District No 8 Kentucky	338.0	98.0	3.0	13,036	.70	8.0	180.7	47.11
District No 8 West Virginia	632.0	98.4	4.1	12,449	.70	10.7	175.9	43.79
North Carolina	**19,145.0**	**42.6**	**12.9**	**12,554**	**.90**	**9.8**	**184.8**	**46.40**
District No 3 West Virginia	3.7	-	100.0	13,055	1.06	10.7	141.0	36.82
District No 7 West Virginia	73.5	49.0	100.0	12,441	.66	10.7	140.1	34.87
District No 8 Kentucky	8,270.0	44.4	14.8	12,525	.94	8.9	188.7	47.27
District No 8 Tennessee	210.9	-	.1	12,734	1.33	9.0	188.1	47.90
District No 8 Virginia	5,390.0	60.5	10.9	12,760	.96	10.2	176.2	44.96
District No 8 West Virginia	5,196.9	23.0	11.1	12,380	.76	11.0	188.2	46.60
South Carolina	**7,609.2**	**49.5**	**15.1**	**12,663**	**1.22**	**9.5**	**182.5**	**46.23**
District No 1 Pennsylvania	.7	100.0	100.0	11,921	2.12	12.4	156.9	37.41
District No 7 West Virginia	2.2	-	100.0	12,777	.63	8.7	147.3	37.64
District No 8 Kentucky	6,734.5	50.7	13.6	12,605	1.19	9.5	184.5	46.50
District No 8 Tennessee	38.7	37.7	37.7	12,313	1.50	10.1	190.0	46.78
District No 8 Virginia	816.8	40.7	25.7	13,156	1.46	9.1	167.3	44.01
District No 8 West Virginia	16.3	46.6	41.7	12,666	.79	10.6	169.4	42.91
Virginia	**7,333.7**	**40.4**	**27.3**	**12,854**	**.94**	**9.2**	**170.6**	**43.86**
District No 1 Maryland	7.0	100.0	100.0	12,700	.80	11.0	152.6	38.76
District No 7 Virginia	685.3	37.7	2.8	12,109	.89	13.6	192.6	46.65
District No 7 West Virginia	41.0	4.9	100.0	13,181	1.16	7.8	152.3	40.15
District No 8 Kentucky	2,421.5	17.5	45.1	12,968	1.08	7.7	166.0	43.07
District No 8 Virginia	2,574.8	43.3	5.0	12,997	.89	9.4	177.1	46.05
District No 8 West Virginia	1,604.1	72.3	44.5	12,763	.81	9.3	158.6	40.48
West Virginia	**30,994.7**	**31.7**	**18.0**	**12,439**	**1.73**	**11.6**	**149.7**	**37.25**
District No 1 Maryland	900.2	36.3	85.1	12,309	1.63	14.5	106.8	26.30
District No 1 Pennsylvania	57.0	100.0	100.0	11,539	1.73	19.7	98.6	22.76
District No 1 West Virginia	3,195.0	37.8	8.8	12,312	1.76	13.8	141.7	34.89
District No 2 Pennsylvania	204.9	-	87.4	12,662	1.46	9.5	119.2	30.18
District No 3 West Virginia	11,778.0	23.3	13.4	12,576	2.41	11.3	143.7	36.14
District No 6 West Virginia	1,820.7	-	-	11,997	4.16	13.7	132.8	31.86
District No 7 Virginia	10.4	40.4	-	12,157	.89	12.6	204.3	49.67
District No 8 Kentucky	1,192.4	92.4	20.7	12,343	1.00	9.7	169.1	41.76
District No 8 West Virginia	11,836.2	36.9	20.8	12,426	.76	10.9	162.5	40.38
East South Central	**77,064.3**	**54.0**	**25.7**	**11,862**	**2.02**	**11.0**	**158.4**	**37.59**
Alabama	**22,181.2**	**60.4**	**24.0**	**12,175**	**1.54**	**11.6**	**191.0**	**46.51**
District No 4 Ohio	2,625.5	100.0	-	11,685	2.34	11.6	204.6	47.81
District No 8 Kentucky	1,987.0	65.4	100.0	12,038	1.47	10.3	133.9	32.23
District No 8 Tennessee	157.1	51.3	96.0	12,193	1.55	11.7	149.5	36.47
District No 8 Virginia	20.5	34.8	100.0	12,500	1.09	9.6	142.3	35.58
District No 8 West Virginia	111.5	100.0	100.0	12,180	.89	12.2	139.3	33.94
District No 9 Kentucky	1,263.7	23.1	67.5	11,708	3.49	12.2	113.8	26.65
District No 10 Illinois	148.7	-	100.0	12,062	.95	5.6	136.0	32.80
District No 11 Indiana	3.2	100.0	100.0	11,583	3.89	6.9	108.0	25.03
District No 13 Alabama	15,192.1	58.3	11.9	12,305	1.29	11.7	205.8	50.65
District No 13 Tennessee	671.9	17.0	36.9	12,434	.85	12.0	141.8	35.27
Kentucky	**28,147.6**	**54.7**	**25.3**	**11,523**	**2.49**	**11.8**	**133.8**	**30.84**
District No 2 Pennsylvania	11.1	100.0	-	11,225	2.60	17.2	162.4	36.45
District No 4 Ohio	546.0	98.6	5.2	11,187	2.23	13.4	120.4	26.93
District No 6 West Virginia	4.7	100.0	-	10,810	2.97	18.6	184.8	39.95
District No 7 West Virginia	362.1	-	1.3	12,929	.70	7.3	149.6	38.68
District No 8 Kentucky	8,088.9	72.6	50.1	12,135	1.29	11.0	147.6	35.83
District No 8 Tennessee	29.0	100.0	100.0	12,304	1.81	11.6	100.8	24.80
District No 8 West Virginia	2,313.1	33.5	63.9	12,401	.66	10.1	145.3	36.04
District No 9 Kentucky	14,172.6	39.6	8.9	11,075	3.52	13.1	123.6	27.37
District No 10 Illinois	64.7	-	100.0	11,949	.70	11.6	145.2	34.70
District No 11 Indiana	2,555.5	100.0	8.6	11,135	2.62	8.9	131.2	29.22

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

Table 48. Destination and Origin of Coal Received at Steam-Electric Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1986 (Continued)

Census Division State of Destination BOM District and State of Origin	Receipts 1,000 Short Tons	Percent of Receipts		Average Heat Value Btu per Pound	Average Wt. Percent		Average Delivered Price	
		Surface	Spot		Sulfur	Ash	Cents per Million Btu	Dollars per Short Ton
East South Central								
Mississippi	**4,200.6**	**34.3**	**45.8**	**12,228**	**1.51**	**8.1**	**229.4**	**56.11**
District No 4 Ohio	128.3	75.8	100.0	12,317	2.39	9.7	174.3	42.93
District No 8 Kentucky	1,059.5	1.9	70.4	12,502	1.23	8.5	206.2	51.56
District No 8 Tennessee	74.3	-	100.0	12,810	2.41	9.5	200.7	51.41
District No 8 West Virginia	274.5	11.0	38.2	12,695	1.71	6.4	188.8	47.93
District No 9 Kentucky	767.1	87.5	68.6	12,308	2.43	6.7	181.0	44.54
District No 10 Illinois	335.5	100.0	33.0	12,199	2.50	8.5	174.8	42.64
District No 13 Alabama	287.1	100.0	81.4	12,416	2.40	10.8	182.4	45.28
District No 17 Colorado	1,047.8	-	-	11,700	.54	7.9	322.0	75.34
District No 20 Utah	226.4	-	-	12,126	.52	8.5	330.7	80.21
Tennessee	**22,534.8**	**50.6**	**23.9**	**11,908**	**2.01**	**9.9**	**141.9**	**33.79**
District No 3 West Virginia	306.6	-	-	12,508	2.51	11.5	137.5	34.39
District No 8 Kentucky	5,940.9	84.1	12.4	11,706	1.11	12.9	161.4	37.78
District No 8 Tennessee	1,811.0	13.8	35.5	12,453	1.41	11.1	125.4	31.23
District No 8 Virginia	1,004.2	8.1	21.2	12,855	1.19	9.6	135.5	34.83
District No 8 West Virginia	23.2	-	100.0	12,371	2.35	13.5	114.7	28.37
District No 9 Kentucky	10,463.4	56.2	9.5	11,864	2.72	8.5	140.1	33.25
District No 10 Illinois	2,914.5	6.4	95.5	11,749	1.89	8.0	122.5	28.77
District No 11 Indiana	71.0	-	-	11,758	1.38	9.4	149.7	35.20
West South Central	**105,426.1**	**99.7**	**1.0**	**7,682**	**.58**	**9.8**	**158.7**	**24.38**
Arkansas	**11,855.7**	**100.0**	**-**	**8,670**	**.32**	**5.4**	**156.3**	**27.10**
District No 19 Wyoming	11,855.7	100.0	-	8,670	.32	5.4	156.3	27.10
Louisiana	**10,093.1**	**100.0**	**-**	**8,121**	**.50**	**7.6**	**179.4**	**29.14**
District No 15 Louisiana	2,253.0	100.0	-	6,864	.58	12.6	118.0	16.19
District No 19 Wyoming	7,840.1	100.0	-	8,482	.47	6.2	193.7	32.86
Oklahoma	**12,007.0**	**100.0**	**2.2**	**8,663**	**.40**	**5.3**	**163.7**	**28.36**
District No 14 Oklahoma	94.6	100.0	100.0	13,623	1.33	7.7	146.6	39.95
District No 15 Oklahoma	161.0	98.6	44.4	12,444	2.17	8.7	148.2	36.88
District No 19 Wyoming	11,751.4	100.0	.9	8,571	.37	5.2	164.2	28.15
Texas	**71,470.3**	**99.6**	**1.1**	**7,291**	**.66**	**11.6**	**154.9**	**22.59**
District No 15 Texas	42,300.5	100.0	.8	6,334	.87	15.9	111.2	14.09
District No 17 Colorado	1,791.7	84.3	15.7	10,764	.34	5.2	221.8	47.76
District No 17 New Mexico	158.0	100.0	-	11,940	.53	16.0	141.6	33.80
District No 19 Wyoming	25,042.0	100.0	.8	8,529	.37	5.3	195.8	33.40
District No 22 Montana	2,178.0	100.0	-	8,471	.31	5.4	246.5	41.77
Mountain	**81,198.1**	**85.8**	**1.4**	**9,713**	**.55**	**11.2**	**115.7**	**22.47**
Arizona	**12,885.7**	**99.9**	**.6**	**10,522**	**.53**	**11.5**	**136.4**	**28.70**
District No 17 Colorado	19.0	-	100.0	11,914	.36	16.8	196.6	46.85
District No 17 New Mexico	474.0	100.0	4.1	11,971	.55	15.6	228.8	54.79
District No 18 Arizona	6,628.2	100.0	-	11,034	.50	8.7	88.9	19.61
District No 18 New Mexico	5,725.3	100.0	-	9,815	.56	14.4	188.4	36.99
District No 19 Wyoming	19.5	100.0	100.0	9,008	.37	4.8	188.1	33.89
District No 22 Montana	19.7	100.0	100.0	9,341	.34	4.7	164.8	30.79
Colorado	**13,421.3**	**89.4**	**1.3**	**9,770**	**.38**	**6.8**	**117.5**	**22.96**
District No 16 Colorado	137.7	100.0	100.0	10,512	.28	5.7	119.9	25.21
District No 17 Colorado	8,187.6	83.0	.5	10,532	.42	8.1	118.2	24.91
District No 19 Wyoming	5,069.8	100.0	.1	8,510	.32	4.7	115.8	19.70
District No 20 Utah	26.2	-	-	11,682	.52	9.8	138.2	32.29
Montana	**7,498.1**	**100.0**	**-**	**8,550**	**.65**	**9.7**	**67.4**	**11.53**
District No 19 Wyoming	3,467.0	100.0	-	8,607	.65	9.9	63.7	10.96
District No 22 Montana	4,031.1	100.0	-	8,501	.64	9.5	70.7	12.02
Nevada	**7,614.5**	**64.2**	**-**	**11,222**	**.52**	**9.4**	**139.1**	**31.23**
District No 18 Arizona	4,756.4	100.0	-	10,998	.55	9.8	102.0	22.43
District No 19 Wyoming	129.1	100.0	-	9,582	.40	8.7	183.2	35.11
District No 20 Utah	2,728.9	-	-	11,691	.47	8.8	198.4	46.38
New Mexico	**13,763.7**	**100.0**	**-**	**9,107**	**.78**	**21.2**	**113.3**	**20.64**
District No 18 New Mexico	13,763.7	100.0	-	9,107	.78	21.2	113.3	20.64
Utah	**7,378.3**	**-**	**11.0**	**11,488**	**.49**	**10.9**	**140.7**	**32.32**
District No 17 Colorado	654.8	-	-	10,645	.43	8.8	196.4	41.81
District No 20 Utah	6,723.5	-	12.1	11,570	.49	11.1	135.7	31.40
Wyoming	**18,636.5**	**100.0**	**.2**	**8,706**	**.52**	**8.3**	**92.2**	**16.06**
District No 19 Wyoming	18,636.5	100.0	.2	8,706	.52	8.3	92.2	16.06
Pacific	**4,659.0**	**100.0**	**4.3**	**8,100**	**.69**	**14.6**	**168.6**	**27.31**
Washington	**4,659.0**	**100.0**	**4.3**	**8,100**	**.69**	**14.6**	**168.6**	**27.31**
District No 23 Washington	4,659.0	100.0	4.3	8,100	.69	14.6	168.6	27.31
Total	**686,964.1**	**69.4**	**12.5**	**10,543**	**1.39**	**10.0**	**157.9**	**33.30**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Alabama Electric Coop Inc Tombigbee	**1,204.4**	**11,968**	**1.28**	**12.04**	**169.9**	**40.66**
Alabama	1,029.8	12,043	1.25	11.97	168.1	40.50
Jefferson	350.3	12,436	1.34	10.95	161.0	40.06
Marion	407.2	11,656	1.12	13.03	178.8	41.69
Tuscaloosa	148.8	12,194	1.22	12.14	153.5	37.45
Walker	123.4	12,019	1.51	11.19	172.6	41.48
Kentucky	174.6	11,530	1.40	12.45	180.7	41.66
Whitley	174.6	11,530	1.40	12.45	180.7	41.66
Alabama Power Co Barry	**274.7**	**12,285**	**.86**	**12.47**	**138.8**	**34.10**
Kentucky	38.6	11,943	1.05	13.50	139.8	33.39
Pike	38.6	11,943	1.05	13.50	139.8	33.39
Tennessee	124.6	12,486	.77	12.35	138.0	34.47
Marion	124.6	12,486	.77	12.35	138.0	34.47
West Virginia	111.5	12,180	.89	12.24	139.3	33.94
Nicholas	111.5	12,180	.89	12.24	139.3	33.94
Alabama Power Co Gadsden	**303.3**	**12,548**	**1.53**	**11.57**	**151.4**	**38.01**
Alabama	115.6	12,558	1.75	11.72	166.3	41.78
Blount	67.1	12,374	1.92	12.03	153.9	38.08
De Kalb	22.0	12,702	1.21	11.73	149.4	37.94
Jackson	.4	12,073	.55	13.83	152.9	36.91
Jefferson	26.1	12,920	1.76	10.89	211.3	54.61
Kentucky	127.3	12,485	1.45	11.43	138.2	34.52
Harlan	91.7	12,696	1.57	10.44	139.0	35.30
Leslie	10.7	12,110	1.12	14.03	135.0	32.70
Letcher	17.8	11,936	.96	13.89	136.4	32.56
Whitley	7.2	11,708	1.66	14.00	136.9	32.05
Tennessee	60.4	12,661	1.29	11.61	150.6	38.15
Bledsoe	7.5	12,683	1.30	10.69	149.4	37.90
Grundy	7.9	12,365	1.38	13.37	149.6	37.01
Marion	11.8	12,935	1.56	10.15	146.0	37.77
Rhea	12.3	12,553	1.55	12.75	152.0	38.16
Sequatchie	20.9	12,672	.95	11.42	153.4	38.87
Alabama Power Co Gaston	**4,653.2**	**12,333**	**1.97**	**11.80**	**197.4**	**48.68**
Alabama	4,502.6	12,340	1.98	11.78	198.8	49.06
Fayette	1,375.0	12,211	2.06	11.47	212.8	51.98
Jefferson	1,894.9	12,474	2.07	11.71	197.4	49.24
Tuscaloosa	139.1	12,256	2.03	11.24	129.5	31.74
Walker	1,093.6	12,280	1.73	12.37	192.4	47.26
Kentucky	8.6	11,870	1.66	13.63	155.3	36.87
Bell	8.6	11,870	1.66	13.63	155.3	36.87
Tennessee	134.9	12,131	1.58	12.25	154.3	37.45
Anderson	4.0	11,299	2.14	16.20	151.3	34.19
Campbell	29.0	12,156	1.33	13.05	156.2	37.99
Claiborne	38.6	12,290	1.48	10.43	156.1	38.37
Fentress	18.7	11,850	2.00	13.53	152.1	36.05
Morgan	1.0	12,132	2.05	13.20	149.7	36.32
Scott	43.6	12,170	1.60	12.40	152.8	37.19
Virginia	7.1	12,377	1.45	13.70	155.7	38.54
Wise	7.1	12,377	1.45	13.70	155.7	38.54
Alabama Power Co Gorgas 2 and 3	**5,501.2**	**12,168**	**1.02**	**12.22**	**193.4**	**47.06**
Alabama	5,501.2	12,168	1.02	12.22	193.4	47.06
Blount	87.0	12,519	1.67	11.83	152.0	38.05
Cullman	12.3	12,417	1.55	12.51	150.0	37.26
Jefferson	1,539.4	12,433	1.15	11.14	225.1	55.98
Tuscaloosa	7.0	12,105	1.35	13.10	152.8	37.00
Walker	3,845.5	12,055	.95	12.65	181.6	43.78
Winston	10.1	11,916	.94	13.71	149.7	35.67
Alabama Power Co Greene	**1,389.6**	**12,550**	**1.42**	**11.00**	**185.2**	**46.49**
Alabama	1,389.6	12,550	1.42	11.00	185.2	46.49
Tuscaloosa	1,389.6	12,550	1.42	11.00	185.2	46.49
Alabama Power Co James Miller	**2,636.3**	**12,494**	**.58**	**11.00**	**270.2**	**67.52**
Alabama	2,636.3	12,494	.58	11.00	270.2	67.52
Jefferson	1,686.3	12,505	.53	11.43	249.5	62.40
Walker	950.0	12,475	.66	10.23	307.1	76.62
Alamito Co Springerville	**924.7**	**9,522**	**.77**	**14.23**	**193.9**	**36.92**
New Mexico	924.7	9,522	.77	14.23	193.9	36.92
Mckinley	924.7	9,522	.77	14.23	193.9	36.92
Ames City of Ames	**142.7**	**8,282**	**.65**	**6.43**	**189.0**	**31.31**

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Ames City of Ames						
Iowa	12.6	9,525	3.03	12.50	190.1	36.22
Mahaska	12.6	9,525	3.03	12.50	190.1	36.22
Wyoming	130.1	8,162	.42	5.84	188.9	30.83
Campbell	130.1	8,162	.42	5.84	188.9	30.83
Appalachian Power Co Amos	**5,906.5**	**12,415**	**.74**	**10.71**	**164.8**	**40.91**
West Virginia	5,906.5	12,415	.74	10.71	164.8	40.91
Boone	4,168.3	12,409	.76	10.69	159.7	39.63
Kanawha	147.1	13,050	.75	8.61	157.8	41.19
Logan	1,591.1	12,372	.68	10.95	178.8	44.24
Appalachian Power Co Clinch River	**1,043.8**	**12,812**	**.75**	**11.67**	**177.7**	**45.55**
Virginia	1,043.8	12,812	.75	11.67	177.7	45.55
Russell	1,043.8	12,812	.75	11.67	177.7	45.55
Appalachian Power Co Glen Lyn	**666.3**	**12,083**	**.89**	**13.71**	**194.0**	**46.88**
Virginia	666.3	12,083	.89	13.71	194.0	46.88
Buchanan	666.3	12,083	.89	13.71	194.0	46.88
Appalachian Power Co Kanawha River	**738.6**	**11,793**	**.76**	**14.19**	**149.7**	**35.31**
West Virginia	738.6	11,793	.76	14.19	149.7	35.31
Boone	23.2	12,398	.62	9.34	164.6	40.83
Kanawha	715.4	11,773	.76	14.35	149.2	35.13
Appalachian Power Co Mountaineer	**3,387.2**	**12,620**	**.64**	**10.15**	**160.1**	**40.42**
Kentucky	32.4	11,942	.70	12.47	114.0	27.22
Martin	32.4	11,942	.70	12.47	114.0	27.22
Virginia	1.7	11,894	.74	13.70	204.1	48.55
Buchanan	1.7	11,894	.74	13.70	204.1	48.55
West Virginia	3,353.1	12,627	.64	10.13	160.5	40.54
Boone	1,407.7	12,614	.66	10.28	159.5	40.24
Kanawha	298.5	12,725	.65	10.00	150.6	38.34
Logan	1,623.5	12,621	.63	10.00	163.9	41.37
Mingo	1.4	12,605	.65	10.30	116.9	29.47
Nicholas	22.0	12,539	.70	11.43	117.8	29.54
Arizona Electric Pwr Coop Inc Apache	**504.6**	**10,205**	**.57**	**15.14**	**250.0**	**51.02**
Colorado	19.0	11,914	.36	16.75	196.6	46.85
Las Animas	19.0	11,914	.36	16.75	196.6	46.85
Montana	19.7	9,341	.34	4.70	164.8	30.79
Big Horn	19.7	9,341	.34	4.70	164.8	30.79
New Mexico	446.4	10,223	.59	15.98	258.4	52.84
Colfax	19.4	11,813	.56	16.70	186.0	43.94
Mckinley	427.0	10,151	.59	15.95	262.3	53.25
Wyoming	19.5	9,008	.37	4.80	188.1	33.89
Campbell	19.5	9,008	.37	4.80	188.1	33.89
Arizona Public Service Co Cholla	**2,836.1**	**9,840**	**.51**	**14.33**	**160.2**	**31.54**
New Mexico	2,836.1	9,840	.51	14.33	160.2	31.54
Mckinley	2,836.1	9,840	.51	14.33	160.2	31.54
Arizona Public Service Co Four Corners	**7,282.5**	**8,795**	**.77**	**22.15**	**92.1**	**16.21**
New Mexico	7,282.5	8,795	.77	22.15	92.1	16.21
San Juan	7,282.5	8,795	.77	22.15	92.1	16.21
Arkansas Power & Light Co Independence	**5,479.2**	**8,811**	**.21**	**4.77**	**148.1**	**26.10**
Wyoming	5,479.2	8,811	.21	4.77	148.1	26.10
Campbell	5,479.2	8,811	.21	4.77	148.1	26.10
Arkansas Power & Light Co Whitebluff	**4,709.6**	**8,611**	**.45**	**6.33**	**168.3**	**28.98**
Wyoming	4,709.6	8,611	.45	6.33	168.3	28.98
Campbell	4,709.6	8,611	.45	6.33	168.3	28.98
Associated Electric Coop Inc Hill	**2,512.3**	**10,527**	**4.18**	**10.16**	**158.7**	**33.42**
Missouri	2,512.3	10,527	4.18	10.16	158.7	33.42
Randolph	2,512.3	10,527	4.18	10.16	158.7	33.42
Associated Electric Coop Inc Madrid	**2,100.9**	**10,901**	**3.41**	**10.41**	**135.5**	**29.54**
Illinois	2,100.9	10,901	3.41	10.41	135.5	29.54
Randolph	1,857.0	10,720	3.38	10.48	135.5	29.06
Saline	243.9	12,276	3.57	9.86	135.2	33.20
Atlantic City Electric Co England	**588.0**	**12,982**	**2.60**	**9.87**	**174.8**	**45.37**
Kentucky	7.0	13,759	1.18	4.50	186.9	51.43
Perry	7.0	13,759	1.18	4.50	186.9	51.43

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Atlantic City Electric Co England						
Ohio	8.0	12,612	2.02	9.80	198.5	50.07
Columbiana	8.0	12,612	2.02	9.80	198.5	50.07
Pennsylvania	8.0	12,607	2.10	8.30	185.4	46.75
Butler	8.0	12,607	2.10	8.30	185.4	46.75
West Virginia	565.0	12,983	2.63	9.96	174.1	45.21
Barbour	7.0	13,385	3.32	8.40	156.4	41.87
Harrison	7.0	12,868	2.97	9.00	167.5	43.11
Monongalia	30.0	13,045	2.26	7.81	180.7	47.14
Unknown	521.0	12,976	2.64	10.12	174.1	45.17
Baltimore Gas & Electric Co Crane	**571.0**	**13,209**	**2.02**	**7.71**	**167.4**	**44.23**
Pennsylvania	116.0	12,930	1.81	9.18	170.9	44.19
Greene	109.0	12,934	1.81	9.25	171.0	44.23
Washington	7.0	12,878	1.84	8.10	169.6	43.68
West Virginia	455.0	13,281	2.07	7.33	166.6	44.24
Barbour	169.0	13,244	1.97	7.08	169.1	44.79
Monongalia	286.0	13,302	2.13	7.48	165.1	43.91
Baltimore Gas & Electric Co Brandon Shores	**1,495.0**	**12,726**	**.72**	**9.73**	**174.5**	**44.40**
Kentucky	338.0	13,036	.70	8.01	180.7	47.11
Breathitt	10.0	12,208	.77	8.80	158.7	38.75
Letcher	328.0	13,062	.70	7.99	181.3	47.37
West Virginia	1,157.0	12,635	.72	10.23	172.6	43.61
Boone	316.0	12,698	.72	9.83	177.8	45.14
Logan	301.0	12,197	.69	11.68	174.8	42.64
Mingo	15.0	12,247	.68	9.80	156.4	38.31
Nicholas	76.0	13,024	.78	7.71	167.9	43.74
Randolph	40.0	13,104	.64	9.13	152.4	39.95
Webster	409.0	12,805	.75	10.07	170.5	43.67
Baltimore Gas & Electric Co Wagner	**643.0**	**13,041**	**.88**	**7.95**	**177.0**	**46.17**
Pennsylvania	6.0	12,535	.94	10.40	146.4	36.70
Somerset	6.0	12,535	.94	10.40	146.4	36.70
West Virginia	637.0	13,046	.88	7.93	177.3	46.26
Nicholas	611.0	13,041	.89	7.93	178.5	46.56
Randolph	21.0	13,159	.75	8.40	146.7	38.62
Webster	5.0	13,186	.84	6.66	153.5	40.49
Basin Electric Power Coop Laramie River	**5,676.5**	**8,297**	**.39**	**5.47**	**72.5**	**12.03**
Wyoming	5,676.5	8,297	.39	5.47	72.5	12.03
Campbell	5,676.5	8,297	.39	5.47	72.5	12.03
Basin Electric Power Coop Antelope Valley	**3,916.3**	**6,646**	**.52**	**8.38**	**80.2**	**10.66**
North Dakota	3,916.3	6,646	.52	8.38	80.2	10.66
Mercer	3,916.3	6,646	.52	8.38	80.2	10.66
Basin Electric Power Coop Leland Olds	**1,328.1**	**6,664**	**.73**	**7.81**	**99.8**	**13.30**
North Dakota	1,328.1	6,664	.73	7.81	99.8	13.30
Mercer	1,328.1	6,664	.73	7.81	99.8	13.30
Big Rivers Electric Corp D B Wilson	**762.7**	**11,253**	**4.03**	**14.47**	**129.8**	**29.20**
Kentucky	762.7	11,253	4.03	14.47	129.8	29.20
Hopkins	762.7	11,253	4.03	14.47	129.8	29.20
Big Rivers Electric Corp R D Green	**1,551.1**	**10,487**	**3.53**	**15.69**	**115.0**	**24.12**
Kentucky	1,539.7	10,483	3.54	15.68	115.0	24.12
Boyd	3.1	11,479	3.82	11.79	111.5	25.60
Hancock	30.9	11,563	4.02	7.75	109.2	25.26
Henderson	1,052.8	9,903	3.40	17.34	111.1	22.01
Hopkins	390.6	11,762	3.80	12.05	125.5	29.53
Webster	62.3	11,666	3.85	14.44	108.1	25.21
Ohio	11.4	11,105	3.36	17.24	110.0	24.43
Belmont	11.4	11,105	3.36	17.24	110.0	24.43
Big Rivers Electric Corp Coleman	**1,309.5**	**11,269**	**2.29**	**8.97**	**121.8**	**27.46**
Indiana	884.6	11,196	2.32	8.91	126.5	28.33
Daviess	702.5	11,200	2.32	8.97	121.2	27.14
Spencer	182.1	11,180	2.33	8.68	147.1	32.90
Kentucky	396.8	11,429	2.23	8.92	112.0	25.61
Boyd	12.8	11,228	2.28	12.57	114.4	25.68
Daviess	108.9	11,424	2.18	9.11	128.4	29.34
Hancock	275.1	11,441	2.25	8.67	105.5	24.13
Ohio	28.1	11,316	2.39	11.43	115.5	26.13
Belmont	28.1	11,316	2.39	11.43	115.5	26.13
Big Rivers Electric Corp Reid-Henderson II	**820.0**	**11,361**	**2.30**	**8.35**	**130.7**	**29.69**

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Big Rivers Electric Corp Reid-Henderson II						
Indiana	512.5	11,231	2.29	8.27	133.0	29.87
Spencer	226.0	11,257	2.38	8.08	145.0	32.64
Warrick	286.5	11,211	2.21	8.42	123.4	27.68
Kentucky	307.5	11,577	2.32	8.49	127.0	29.40
Daviess	251.5	11,376	2.21	8.78	136.3	31.01
Hopkins	54.5	12,527	2.86	7.09	89.4	22.40
Muhlenberg	1.5	10,801	1.53	9.30	64.8	14.00
Cajun Electric Power Coop Inc Big Cajun No.2	**4,124.1**	**8,407**	**.48**	**6.01**	**191.9**	**32.27**
Wyoming	4,124.1	8,407	.48	6.01	191.9	32.27
Campbell	4,124.1	8,407	.48	6.01	191.9	32.27
Cardinal Operating Co Cardinal	**3,905.8**	**11,689**	**2.22**	**13.38**	**164.5**	**38.45**
Ohio	1,370.3	11,910	3.07	11.53	161.3	38.43
Belmont	916.4	11,734	2.83	12.06	169.5	39.78
Gallia	53.4	11,820	3.64	8.41	178.7	42.25
Jefferson	347.1	12,402	3.53	11.09	135.8	33.69
Lawrence	53.4	11,820	3.64	8.41	178.7	42.25
West Virginia	2,535.5	11,570	1.75	14.38	166.2	38.47
Brooke	1,012.2	12,189	3.32	10.14	165.5	40.33
Kanawha	1,523.3	11,159	.71	17.21	166.8	37.23
Carolina Power & Light Co Lee	**518.0**	**12,792**	**1.02**	**8.47**	**198.3**	**50.72**
Kentucky	393.3	12,892	1.03	7.80	207.5	53.51
Breathitt	2.4	11,959	.79	8.78	161.3	38.59
Floyd	10.1	12,222	1.13	13.01	156.0	38.13
Harlan	42.6	13,240	.93	7.32	186.6	49.42
Laurel	.1	12,278	1.07	10.40	146.5	35.97
Martin	336.0	12,879	1.04	7.68	212.4	54.71
Pike	.2	12,044	1.37	10.20	146.3	35.24
Whitley	1.9	12,411	.97	10.50	145.0	35.99
Tennessee	47.9	12,575	1.25	9.97	191.6	48.20
Claiborne	47.9	12,575	1.25	9.97	191.6	48.20
West Virginia	76.8	12,413	.86	11.01	153.2	38.02
Boone	23.7	12,157	.94	11.23	159.3	38.74
Greenbrier	5.5	12,851	.65	8.30	143.7	36.93
Kanawha	14.2	13,189	.96	9.94	147.2	38.82
Logan	24.4	11,881	.69	12.45	157.2	37.36
Mingo	2.9	12,910	1.10	8.76	145.4	37.54
Nicholas	6.1	13,098	1.08	10.38	142.2	37.24
Carolina Power & Light Co Robinson	**265.7**	**12,487**	**1.15**	**10.54**	**172.2**	**43.01**
Kentucky	201.1	12,456	1.18	10.74	171.9	42.82
Bell	3.8	12,139	1.37	10.80	148.7	36.10
Breathitt	7.1	12,172	1.12	10.04	149.4	36.38
Floyd	2.1	11,929	1.01	9.30	151.5	36.14
Harlan	88.0	12,288	1.29	12.19	170.5	41.91
Knott	2.3	12,900	.68	10.33	185.0	47.73
Knox	4.1	12,239	.88	9.52	143.9	35.22
Leslie	2.5	12,070	1.08	10.42	149.4	36.07
Letcher	2.1	12,528	1.05	9.30	149.7	37.51
Martin	26.2	12,697	.99	7.95	228.5	58.02
Pike	62.9	12,670	1.16	10.16	157.3	39.86
Tennessee	24.1	12,246	1.30	10.24	206.0	50.45
Claiborne	24.1	12,246	1.30	10.24	206.0	50.45
Virginia	22.0	12,870	1.00	9.19	144.9	37.29
Dickenson	22.0	12,870	1.00	9.19	144.9	37.29
West Virginia	18.5	12,679	.77	10.35	166.7	42.28
Boone	1.9	12,644	.76	11.60	184.3	46.61
Greenbrier	2.2	12,777	.63	8.70	147.3	37.64
Kanawha	5.7	13,334	1.06	8.90	144.7	38.59
Logan	8.7	12,233	.62	11.45	183.7	44.93
Carolina Power & Light Co Mayo	**1,949.6**	**12,281**	**.64**	**10.35**	**195.7**	**48.06**
Kentucky	183.4	12,486	.65	8.34	164.6	41.11
Martin	146.0	12,442	.68	8.05	171.4	42.65
Pike	37.4	12,659	.55	9.50	138.5	35.07
West Virginia	1,766.2	12,260	.64	10.56	199.0	48.78
Boone	10.3	13,488	.72	7.50	163.9	44.21
Mingo	1,755.9	12,253	.63	10.57	199.2	48.81
Carolina Power & Light Co Cape Fear	**364.4**	**12,555**	**1.19**	**9.85**	**175.0**	**43.95**
Kentucky	159.1	12,422	1.11	10.38	167.8	41.70
Breathitt	27.4	12,191	1.09	10.45	142.9	34.85
Floyd	25.3	11,977	1.16	13.61	145.9	34.96
Knox	1.8	11,678	1.11	11.70	138.4	32.32
Laurel	2.1	12,497	.98	7.60	141.7	35.42

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Carolina Power & Light Co Cape Fear						
Kentucky						
Letcher	1.7	11,754	0.83	10.60	141.3	33.22
Martin	59.7	12,975	1.15	7.31	206.4	53.57
Pike	39.6	12,158	1.07	12.81	141.5	34.42
Whitley	1.5	10,618	1.16	14.20	140.0	29.73
Tennessee	152.4	12,750	1.35	8.87	187.6	47.84
Claiborne	152.4	12,750	1.35	8.87	187.6	47.84
Virginia	14.5	12,798	.95	9.29	139.0	35.57
Dickenson	14.5	12,798	.95	9.29	139.0	35.57
West Virginia	38.4	12,237	.91	11.82	167.6	41.02
Boone	23.9	11,905	1.03	13.47	158.5	37.73
Logan	14.5	12,783	.72	9.10	181.6	46.43
Carolina Power & Light Co Weatherspoon	**184.1**	**12,438**	**.98**	**11.48**	**174.2**	**43.34**
Kentucky	138.0	12,315	.97	11.85	177.5	43.72
Floyd	109.2	12,297	.88	11.91	177.1	43.55
Harlan	26.3	12,360	1.34	11.58	181.0	44.75
Pike	2.5	12,597	.87	11.80	159.9	40.29
Virginia	26.8	12,922	1.08	9.28	149.8	38.70
Dickenson	26.8	12,922	1.08	9.28	149.8	38.70
West Virginia	19.3	12,652	.90	11.93	186.1	47.08
Boone	19.3	12,652	.90	11.93	186.1	47.08
Carolina Power & Light Co Roxboro	**5,167.8**	**12,503**	**.86**	**9.46**	**186.9**	**46.74**
Kentucky	2,380.0	12,585	.93	7.67	189.0	47.56
Martin	2,370.3	12,583	.93	7.66	189.2	47.61
Pike	9.7	13,041	.55	8.70	138.1	36.02
Virginia	105.2	12,758	.96	9.35	136.4	34.80
Buchanan	9.2	12,892	.89	7.70	141.4	36.46
Wise	96.0	12,745	.97	9.51	135.9	34.64
West Virginia	2,682.6	12,421	.80	11.06	187.1	46.47
Boone	1,523.4	12,587	.88	11.44	179.8	45.27
Mingo	1,159.1	12,202	.69	10.56	196.9	48.05
Unknown	.1	12,000	1.38	12.00	89.6	21.50
Carolina Power & Light Co Sutton	**587.8**	**12,653**	**.95**	**10.61**	**182.2**	**46.10**
Kentucky	294.2	12,810	1.02	8.82	166.4	42.63
Floyd	73.7	12,207	.96	11.48	162.9	39.76
Harlan	166.0	13,009	1.03	7.49	171.2	44.53
Letcher	26.5	13,276	.90	7.40	158.5	42.08
Pike	28.0	12,775	1.17	11.04	154.5	39.47
Virginia	7.8	12,296	.88	10.65	149.8	36.84
Dickenson	7.8	12,296	.88	10.65	149.8	36.84
West Virginia	285.8	12,501	.89	12.45	199.6	49.91
Boone	285.8	12,501	.89	12.45	199.6	49.91
Carolina Power & Light Co Asheville	**878.0**	**13,398**	**.91**	**7.82**	**155.5**	**41.66**
Tennessee	10.6	13,213	1.38	6.70	179.7	47.49
Claiborne	10.6	13,213	1.38	6.70	179.7	47.49
Virginia	867.4	13,400	.90	7.83	155.2	41.59
Lee	469.1	13,535	.82	7.20	163.5	44.26
Wise	398.3	13,241	1.00	8.57	145.2	38.45
Cedar Falls City of Streeter	**15.5**	**10,912**	**1.74**	**8.76**	**143.3**	**31.28**
Indiana	15.5	10,912	1.74	8.76	143.3	31.28
Daviess	5.6	10,821	2.62	9.08	126.8	27.43
Pike	9.9	10,964	1.24	8.58	152.7	33.48
Central Electric Pwr Coop-MO Chamois	**63.0**	**11,065**	**2.94**	**10.36**	**112.5**	**24.89**
Illinois	63.0	11,065	2.94	10.36	112.5	24.89
Randolph	63.0	11,065	2.94	10.36	112.5	24.89
Central Hudson Gas & Elec Corp Danskammer	**1.0**	**13,299**	**.63**	**6.70**	**196.0**	**52.13**
West Virginia	1.0	13,299	.63	6.70	196.0	52.13
Mingo	1.0	13,299	.63	6.70	196.0	52.13
Central Illinois Light Co Duck Creek	**897.0**	**10,563**	**3.43**	**8.29**	**215.9**	**45.61**
Illinois	897.0	10,563	3.43	8.29	215.9	45.61
Macoupin	897.0	10,563	3.43	8.29	215.9	45.61
Central Illinois Light Co Edwards	**1,256.0**	**13,074**	**.91**	**5.71**	**178.5**	**46.66**
Illinois	101.0	10,542	3.41	8.35	232.1	48.94
Macoupin	101.0	10,542	3.41	8.35	232.1	48.94
Kentucky	1,155.0	13,295	.69	5.48	174.7	46.46
Letcher	413.0	13,259	.71	5.42	179.8	47.67
Perry	402.0	13,311	.67	5.49	190.1	50.60
Unknown	340.0	13,321	.69	5.55	150.5	40.11

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Central Illinois Pub Serv Co Grand Tower	**340.0**	**11,525**	**2.82**	**11.98**	**140.0**	**32.28**
Illinois	340.0	11,525	2.82	11.98	140.0	32.28
Franklin	7.7	11,500	2.37	7.50	131.5	30.25
Saline	64.3	10,932	2.64	14.18	132.4	28.95
Williamson	268.0	11,668	2.88	11.58	142.0	33.14
Central Illinois Pub Serv Co Hutsonville	**463.3**	**11,140**	**2.55**	**9.39**	**126.6**	**28.20**
Indiana	463.3	11,140	2.55	9.39	126.6	28.20
Daviess	297.8	11,172	2.70	9.50	143.3	32.01
Greene	46.3	10,985	2.39	10.08	93.7	20.59
Knox	35.1	11,252	2.30	8.17	97.8	22.01
Sullivan	84.1	11,068	2.20	9.11	97.1	21.49
Central Illinois Pub Serv Co Coffeen	**1,967.1**	**10,484**	**3.74**	**9.23**	**173.7**	**36.42**
Illinois	1,967.1	10,484	3.74	9.23	173.7	36.42
Macoupin	1,967.1	10,484	3.74	9.23	173.7	36.42
Central Illinois Pub Serv Co Newton	**1,553.1**	**11,606**	**1.76**	**8.90**	**194.3**	**45.10**
Illinois	870.9	11,688	2.67	10.84	197.5	46.16
Williamson	870.9	11,688	2.67	10.84	197.5	46.16
Indiana	682.2	11,502	.59	6.42	190.1	43.74
Daviess	3.5	11,854	.65	6.70	190.7	45.21
Greene	325.5	11,913	.60	5.12	185.9	44.30
Knox	353.2	11,120	.57	7.62	194.3	43.20
Central Illinois Pub Serv Co Meredosia	**600.0**	**11,422**	**2.51**	**5.46**	**146.4**	**33.44**
Illinois	600.0	11,422	2.51	5.46	146.4	33.44
Schuyler	600.0	11,422	2.51	5.46	146.4	33.44
Central Louisiana Elec Co Inc Dolet Hills	**2,253.0**	**6,864**	**.58**	**12.61**	**118.0**	**16.19**
Louisiana	2,253.0	6,864	.58	12.61	118.0	16.19
De Soto	2,253.0	6,864	.58	12.61	118.0	16.19
Central Louisiana Elec Co Inc Rodemacher	**1,413.0**	**8,529**	**.46**	**6.27**	**201.6**	**34.39**
Wyoming	1,413.0	8,529	.46	6.27	201.6	34.39
Campbell	1,413.0	8,529	.46	6.27	201.6	34.39
Central Operating Co Sporn	**1,831.3**	**12,352**	**1.04**	**11.41**	**162.3**	**40.09**
Kentucky	198.9	12,025	1.50	12.17	119.6	28.75
Martin	198.9	12,025	1.50	12.17	119.6	28.75
Virginia	8.7	12,208	.92	12.34	204.3	49.88
Buchanan	8.7	12,208	.92	12.34	204.3	49.88
West Virginia	1,623.7	12,393	.99	11.31	167.1	41.42
Boone	1,034.7	12,557	.87	10.68	172.7	43.37
Fayette	31.0	12,376	1.37	11.91	120.9	29.93
Kanawha	69.2	11,979	1.21	12.68	115.7	27.72
Logan	358.3	12,153	1.11	12.56	181.0	43.99
Upshur	8.3	12,478	1.70	14.30	121.8	30.40
Wayne	122.2	11,936	1.39	11.90	120.8	28.83
Central Power & Light Co Coleto Creek	**1,791.7**	**10,764**	**.34**	**5.18**	**221.8**	**47.76**
Colorado	1,791.7	10,764	.34	5.18	221.8	47.76
Las Animas	31.4	12,862	.40	11.37	179.0	46.04
Moffat	1,760.3	10,727	.34	5.07	222.7	47.79
Cincinnati Gas & Electric Co East Bend	**1,196.8**	**11,258**	**2.57**	**11.07**	**165.5**	**37.26**
Kentucky	1,058.5	11,298	2.55	10.39	164.2	37.10
Daviess	4.5	11,144	2.13	9.70	105.7	23.56
Magoffin	176.1	11,667	1.37	12.98	183.9	42.92
Muhlenberg	812.0	11,247	2.90	9.88	160.5	36.10
Ohio	65.9	10,958	1.48	9.68	159.2	34.88
Ohio	122.5	10,935	2.69	16.15	176.6	38.62
Belmont	1.6	10,876	2.87	18.10	183.6	39.94
Jackson	1.5	10,931	2.79	11.60	101.4	22.17
Jefferson	76.5	10,849	2.89	18.07	183.9	39.90
Lawrence	2.9	10,822	2.31	13.20	112.2	24.28
Perry	30.5	11,190	2.09	11.07	165.3	37.00
Vinton	9.5	10,856	2.99	18.31	185.8	40.35
Pennsylvania	11.1	11,225	2.60	17.17	162.4	36.45
Greene	11.1	11,225	2.60	17.17	162.4	36.45
West Virginia	4.7	10,810	2.97	18.60	184.8	39.95
Ohio	4.7	10,810	2.97	18.60	184.8	39.95
Cincinnati Gas & Electric Co Miami Fort	**3,057.7**	**11,726**	**1.66**	**12.63**	**170.0**	**39.87**
Kentucky	828.2	11,453	2.00	11.20	163.8	37.52
Daviess	2.9	11,144	2.13	9.70	106.4	23.71
Floyd	7.7	11,726	1.25	10.87	121.3	28.44
Johnson	3.2	11,769	.70	11.30	118.1	27.80

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Cincinnati Gas & Electric Co Miami Fort						
Kentucky						
Knott	10.6	12,140	0.67	9.72	129.4	31.41
Lawrence	2.9	10,700	.60	12.29	116.4	24.91
Letcher	1.6	12,967	.63	7.30	124.9	32.39
Magoffin	296.8	11,620	1.38	12.99	183.1	42.56
Martin	51.9	11,606	.87	12.42	123.5	28.66
Muhlenberg	387.1	11,263	2.87	9.88	160.9	36.26
Ohio	28.5	11,097	1.42	8.62	162.4	36.05
Perry	10.5	11,727	.70	12.17	129.2	30.30
Pike	24.5	12,018	.61	11.31	125.5	30.17
Ohio	651.3	10,889	2.73	16.97	178.4	38.85
Belmont	35.4	10,790	2.92	18.43	182.1	39.30
Gallia	3.3	10,385	2.32	15.60	104.2	21.64
Jackson	1.6	10,931	2.79	11.60	100.9	22.06
Jefferson	422.3	10,808	2.87	18.31	182.7	39.49
Lawrence	1.4	10,822	2.31	13.20	111.7	24.18
Perry	111.4	11,291	2.02	10.79	162.1	36.61
Vinton	75.9	10,812	2.91	18.20	183.6	39.70
Pennsylvania	227.9	11,237	2.72	17.17	166.2	37.35
Greene	227.9	11,237	2.72	17.17	166.2	37.35
West Virginia	1,350.3	12,380	.76	10.64	170.5	42.22
Boone	206.2	12,338	.64	10.98	178.4	44.01
Fayette	164.6	12,694	.65	9.10	181.1	45.98
Kanawha	575.5	12,415	.64	10.17	159.0	39.47
Logan	8.9	12,016	.54	10.66	123.5	29.69
Mingo	258.6	12,663	.62	9.96	193.2	48.92
Nicholas	60.7	12,067	.66	11.49	122.1	29.46
Ohio	71.3	10,755	3.01	18.70	183.6	39.49
Raleigh	4.5	12,697	.55	13.10	119.1	30.24
Cincinnati Gas & Electric Co Beckjord	**1,507.0**	**11,159**	**2.06**	**15.67**	**178.1**	**39.76**
Indiana	3.2	10,791	3.14	9.50	80.1	17.29
Warrick	3.2	10,791	3.14	9.50	80.1	17.29
Kentucky	668.1	11,470	1.15	13.51	181.2	41.58
Greenup	6.0	10,966	2.62	12.10	89.0	19.52
Johnson	6.0	10,985	1.09	15.93	108.4	23.82
Magoffin	368.2	11,559	1.28	13.06	182.7	42.23
Martin	281.8	11,381	.95	14.03	184.6	42.03
Pike	6.1	11,174	1.33	15.22	91.2	20.39
Ohio	667.4	10,865	2.78	17.38	177.8	38.63
Belmont	43.4	10,812	2.86	18.32	180.9	39.11
Jackson	3.1	10,471	2.54	14.40	104.7	21.93
Jefferson	486.8	10,811	2.89	18.41	181.7	39.29
Lawrence	7.9	10,825	2.98	11.72	94.0	20.35
Perry	83.0	11,244	2.09	11.05	162.4	36.53
Vinton	43.2	10,822	2.83	18.25	181.4	39.26
Pennsylvania	71.8	11,437	2.61	16.79	159.7	36.54
Greene	71.8	11,437	2.61	16.79	159.7	36.54
West Virginia	96.5	10,856	2.83	18.20	175.6	38.13
Fayette	1.5	12,260	.71	11.60	113.3	27.78
Kanawha	2.9	11,315	1.10	16.10	92.0	20.82
Nicholas	4.7	12,293	.70	11.50	128.4	31.57
Ohio	87.4	10,739	3.04	18.74	182.7	39.23
Cleveland Electric Illum Co Avon Lake	**1,774.0**	**12,466**	**2.56**	**9.45**	**171.5**	**42.76**
Ohio	1,774.0	12,466	2.56	9.45	171.5	42.76
Belmont	265.0	12,002	3.09	11.85	186.5	44.77
Harrison	1,509.0	12,547	2.47	9.03	169.0	42.41
Cleveland Electric Illum Co Ashtabula	**1,185.0**	**12,599**	**3.22**	**8.51**	**143.1**	**36.05**
Ohio	605.0	12,192	3.89	10.36	151.0	36.81
Belmont	605.0	12,192	3.89	10.36	151.0	36.81
Pennsylvania	580.0	13,023	2.52	6.57	135.3	35.25
Venango	580.0	13,023	2.52	6.57	135.3	35.25
Cleveland Electric Illum Co Lake Shore	**348.0**	**13,039**	**.67**	**5.82**	**201.0**	**52.42**
Kentucky	311.0	13,006	.68	5.89	205.1	53.35
Daviess	31.0	12,929	.65	5.80	216.6	56.01
Martin	181.0	12,958	.71	5.84	216.3	56.06
Pike	99.0	13,117	.63	6.01	181.3	47.57
West Virginia	37.0	13,319	.60	5.26	167.4	44.60
Nicholas	37.0	13,319	.60	5.26	167.4	44.60
Cleveland Electric Illum Co Eastlake	**2,238.0**	**12,415**	**2.87**	**10.26**	**150.3**	**37.31**
Ohio	2,053.0	12,344	2.93	10.47	151.8	37.48
Belmont	1,212.0	12,205	3.30	11.08	155.2	37.89
Columbiana	59.0	12,341	2.53	10.75	128.9	31.82

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Cleveland Electric Illum Co Eastlake						
Ohio						
Harrison	709.0	12,562	2.46	9.45	149.4	37.54
Jefferson	73.0	12,542	1.86	10.03	138.9	34.83
Pennsylvania	105.0	13,101	1.93	8.21	138.7	36.35
Greene	105.0	13,101	1.93	8.21	138.7	36.35
West Virginia	80.0	13,343	2.51	7.60	127.9	34.14
Monongalia	80.0	13,343	2.51	7.60	127.9	34.14
Colorado Springs City of Drake	**890.5**	**10,627**	**.36**	**6.35**	**174.7**	**37.14**
Colorado	890.5	10,627	.36	6.35	174.7	37.14
Moffat	814.6	10,603	.34	6.01	177.8	37.71
Routt	75.9	10,874	.57	10.06	142.5	31.00
Colorado Springs City of Nixon	**603.5**	**10,698**	**.46**	**8.45**	**158.7**	**33.95**
Colorado	603.5	10,698	.46	8.45	158.7	33.95
Moffat	324.6	10,506	.34	7.13	173.9	36.54
Routt	278.9	10,921	.60	9.99	141.7	30.95
Colorado-Ute Electric Assn Hayden	**1,478.9**	**10,691**	**.46**	**10.40**	**75.5**	**16.15**
Colorado	1,478.9	10,691	.46	10.40	75.5	16.15
Routt	1,478.9	10,691	.46	10.40	75.5	16.15
Colorado-Ute Electric Assn Craig	**3,231.7**	**10,134**	**.38**	**6.83**	**99.8**	**20.22**
Colorado	3,231.7	10,134	.38	6.83	99.8	20.22
Moffat	3,228.7	10,133	.38	6.83	99.8	20.22
Routt	3.0	10,725	1.91	9.50	60.8	13.04
Columbia City of Columbia	**52.2**	**10,979**	**3.78**	**10.16**	**160.0**	**35.14**
Missouri	52.2	10,979	3.78	10.16	160.0	35.14
Howard	52.2	10,979	3.78	10.16	160.0	35.14
Columbus & Southern Ohio El Co Picway	**189.8**	**11,634**	**3.63**	**10.33**	**123.7**	**28.79**
Ohio	189.8	11,634	3.63	10.33	123.7	28.79
Hocking	22.6	11,910	3.05	8.53	108.9	25.94
Muskingum	52.8	11,467	4.53	12.57	139.0	31.89
Perry	49.9	11,624	3.52	10.28	116.8	27.14
Vinton	64.5	11,681	3.18	9.17	122.1	28.52
Columbus & Southern Ohio El Co Conesville	**3,178.9**	**12,022**	**3.24**	**7.87**	**162.9**	**39.17**
Ohio	3,178.9	12,022	3.24	7.87	162.9	39.17
Coshocton	1,910.3	12,134	3.07	6.73	169.0	41.02
Muskingum	711.8	11,515	4.07	11.41	151.4	34.87
Tuscarawas	556.8	12,290	2.77	7.23	156.0	38.34
Columbus & Southern Ohio El Co Poston	**120.4**	**11,518**	**3.33**	**10.16**	**113.0**	**26.03**
Ohio	120.4	11,518	3.33	10.16	113.0	26.03
Athens	6.4	11,240	2.48	11.62	114.6	25.75
Hocking	11.4	11,757	3.51	9.49	104.5	24.56
Perry	4.3	11,483	3.47	10.39	114.2	26.23
Vinton	98.3	11,510	3.36	10.13	113.9	26.21
Columbus City of Refuse & Coal	**93.3**	**12,610**	**.73**	**8.01**	**171.9**	**43.36**
Kentucky	74.6	12,898	.76	8.05	172.6	44.52
Martin	54.7	12,965	.75	7.65	170.1	44.10
Morgan	3.1	12,300	.79	9.28	183.8	45.21
Pike	6.8	12,973	.80	9.46	179.5	46.58
Unknown	10.0	12,662	.73	8.90	178.5	45.21
Ohio	18.7	11,463	.63	7.86	169.0	38.74
Jackson	18.7	11,463	.63	7.86	169.0	38.74
Commonwealth Edison Co Waukegan	**1,445.0**	**9,532**	**.47**	**6.83**	**331.6**	**63.22**
Montana	154.0	9,509	.43	4.52	285.2	54.24
Big Horn	154.0	9,509	.43	4.52	285.2	54.24
Wyoming	1,291.0	9,534	.47	7.11	337.2	64.29
Sheridan	194.0	9,345	.48	5.01	302.8	56.60
Sweetwater	1,097.0	9,568	.47	7.48	343.1	65.65
Commonwealth Edison Co Crawford	**891.2**	**9,576**	**.46**	**7.40**	**373.8**	**71.59**
Wyoming	891.2	9,576	.46	7.40	373.8	71.59
Sheridan	.2	9,300	.50	5.40	325.2	60.49
Sweetwater	891.0	9,576	.46	7.40	373.8	71.59
Commonwealth Edison Co Fisk	**400.0**	**9,575**	**.46**	**7.48**	**373.6**	**71.54**
Montana	1.0	9,587	.44	4.30	286.5	54.93
Big Horn	1.0	9,587	.44	4.30	286.5	54.93

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Commonwealth Edison Co Fisk						
Wyoming	399.0	9,575	0.46	7.49	373.8	71.59
Sweetwater	399.0	9,575	.46	7.49	373.8	71.59
Commonwealth Edison Co Joliet	**2,810.0**	**9,520**	**.47**	**6.71**	**342.5**	**65.21**
Montana	231.0	9,544	.42	4.38	282.6	53.94
Big Horn	231.0	9,544	.42	4.38	282.6	53.94
Wyoming	2,579.0	9,518	.47	6.92	347.9	66.22
Sheridan	590.0	9,342	.48	5.03	304.6	56.91
Sweetwater	1,989.0	9,570	.47	7.49	360.4	68.99
Commonwealth Edison Co Kincaid	**2,730.0**	**10,268**	**3.36**	**9.67**	**146.7**	**30.13**
Illinois	2,730.0	10,268	3.36	9.67	146.7	30.13
Christian	2,730.0	10,268	3.36	9.67	146.7	30.13
Commonwealth Edison Co Powerton	**3,942.0**	**9,433**	**.45**	**4.79**	**278.8**	**52.59**
Montana	2,335.0	9,489	.43	4.62	271.2	51.47
Big Horn	2,335.0	9,489	.43	4.62	271.2	51.47
Wyoming	1,607.0	9,352	.48	5.04	289.9	54.22
Sheridan	1,577.0	9,348	.48	4.99	289.0	54.04
Sweetwater	30.0	9,568	.46	8.00	334.2	63.95
Commonwealth Edison Co Will County	**2,170.9**	**9,532**	**.46**	**6.77**	**358.3**	**68.30**
Illinois	2.3	10,208	3.44	10.16	151.0	30.83
Christian	2.3	10,208	3.44	10.16	151.0	30.83
Montana	315.5	9,471	.44	4.66	298.9	56.62
Big Horn	315.5	9,471	.44	4.66	298.9	56.62
Wyoming	1,853.1	9,541	.46	7.12	368.6	70.34
Sheridan	245.1	9,338	.48	4.97	322.4	60.21
Sweetwater	1,608.0	9,572	.46	7.45	375.5	71.88
Commonwealth Edison Co IN Inc State Line	**1,384.0**	**9,481**	**.43**	**4.64**	**284.4**	**53.93**
Montana	1,384.0	9,481	.43	4.64	284.4	53.93
Big Horn	1,384.0	9,481	.43	4.64	284.4	53.93
Consumers Power Co Karn-Weadock	**1,239.7**	**12,308**	**.82**	**10.47**	**186.1**	**45.81**
Kentucky	1,231.3	12,309	.82	10.46	186.3	45.87
Bell	44.8	12,516	.75	9.22	152.9	38.26
Breathitt	37.4	12,212	.87	8.97	153.1	37.40
Letcher	6.6	12,200	1.00	12.00	150.9	36.82
Magoffin	150.7	12,342	.84	10.52	204.3	50.43
Martin	20.6	12,392	.97	9.70	148.6	36.83
Perry	65.9	12,549	.88	8.17	183.5	46.07
Pike	896.3	12,270	.80	10.79	187.5	46.02
Whitley	9.0	13,117	.85	6.11	204.0	53.52
West Virginia	8.4	12,200	.95	12.00	155.3	37.89
Boone	8.4	12,200	.95	12.00	155.3	37.89
Consumers Power Co Campbell	**3,543.2**	**12,088**	**1.23**	**9.43**	**190.1**	**45.95**
Kentucky	2,036.1	12,650	.66	8.52	193.8	49.04
Perry	381.8	12,593	.70	8.43	186.4	46.95
Pike	1,654.3	12,664	.65	8.54	195.5	49.52
Ohio	1,428.9	11,263	2.07	10.65	185.8	41.86
Perry	1,428.9	11,263	2.07	10.65	185.8	41.86
West Virginia	78.2	12,544	.72	10.66	161.0	40.40
Boone	43.3	12,584	.72	11.35	161.5	40.65
Logan	34.9	12,495	.73	9.80	160.4	40.09
Consumers Power Co Cobb-Sandusky Sg	**767.1**	**12,582**	**.83**	**9.14**	**196.5**	**49.46**
Kentucky	651.7	12,563	.80	9.09	205.5	51.63
Bell	.1	12,275	.70	9.30	160.3	39.35
Magoffin	80.6	12,439	.83	10.35	206.9	51.48
Perry	4.6	12,771	.88	7.30	185.1	47.29
Pike	471.8	12,521	.78	9.32	204.3	51.17
Whitley	94.6	12,868	.92	6.97	210.9	54.28
Pennsylvania	115.4	12,689	.99	9.43	146.5	37.18
Allegheny	115.4	12,689	.99	9.43	146.5	37.18
Consumers Power Co Weadock-Sandusky	**675.5**	**12,538**	**.87**	**8.27**	**183.6**	**46.04**
Kentucky	624.5	12,549	.86	8.27	187.0	46.93
Magoffin	7.3	12,018	.86	11.36	201.2	48.35
Perry	553.0	12,544	.88	8.27	183.9	46.13
Pike	64.2	12,652	.75	7.90	212.3	53.71
Pennsylvania	51.0	12,405	.94	8.30	141.5	35.11
Allegheny	51.0	12,405	.94	8.30	141.5	35.11
Consumers Power Co Whiting	**978.1**	**12,270**	**.86**	**10.42**	**157.8**	**38.72**

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Consumers Power Co Whiting						
Kentucky	841.0	12,277	0.85	10.31	160.6	39.44
Bell	119.9	12,245	.85	10.23	139.6	34.20
Breathitt	113.3	12,019	.93	9.75	140.5	33.78
Floyd	8.2	12,129	1.00	9.00	138.3	33.55
Letcher	60.1	12,142	.83	11.95	138.5	33.64
Magoffin	48.4	12,393	.87	10.22	191.5	47.47
Perry	49.2	12,215	.86	10.67	146.9	35.89
Pike	408.3	12,296	.82	10.57	171.2	42.10
Whitley	33.6	13,214	.87	6.32	191.0	50.48
West Virginia	137.1	12,233	.92	11.09	140.1	34.27
Boone	126.5	12,148	.92	11.28	140.4	34.10
Mingo	10.6	13,249	.91	8.80	137.0	36.30
Coop Power Assn Coal Creek	**5,765.9**	**6,275**	**.71**	**10.34**	**90.0**	**11.29**
North Dakota	5,765.9	6,275	.71	10.34	90.0	11.29
Mclean	5,765.9	6,275	.71	10.34	90.0	11.29
Dairyland Power Coop Alma-Madgett	**1,229.9**	**8,810**	**.50**	**5.23**	**188.4**	**33.20**
Illinois	23.1	11,002	3.03	9.55	152.6	33.59
Randolph	17.0	11,086	2.97	9.39	149.5	33.15
St Clair	6.1	10,769	3.20	10.00	161.6	34.79
Montana	84.6	8,820	.87	8.70	168.5	29.72
Big Horn	84.6	8,820	.87	8.70	168.5	29.72
Pennsylvania	74.3	12,927	1.47	6.81	164.9	42.63
Greene	74.3	12,927	1.47	6.81	164.9	42.63
West Virginia	21.3	12,880	1.01	7.83	156.8	40.39
Boone	21.3	12,880	1.01	7.83	156.8	40.39
Wyoming	1,026.6	8,377	.33	4.67	194.9	32.65
Campbell	1,026.6	8,377	.33	4.67	194.9	32.65
Dairyland Power Coop Stoneman	**29.2**	**12,369**	**2.00**	**7.94**	**161.0**	**39.83**
Illinois	7.7	10,705	3.23	10.70	158.5	33.93
St Clair	7.7	10,705	3.23	10.70	158.5	33.93
Pennsylvania	21.5	12,965	1.55	6.95	161.8	41.95
Greene	21.5	12,965	1.55	6.95	161.8	41.95
Dairyland Power Coop Genoa No.3	**973.1**	**10,889**	**1.72**	**8.54**	**163.1**	**35.51**
Illinois	289.6	10,875	2.79	9.78	153.3	33.35
Randolph	183.5	10,939	2.69	9.65	149.6	32.74
St Clair	106.1	10,763	2.95	10.02	159.8	34.39
Montana	324.5	8,722	1.03	9.24	174.0	30.36
Big Horn	324.5	8,722	1.03	9.24	174.0	30.36
Pennsylvania	304.5	12,950	1.54	6.77	163.2	42.27
Greene	304.5	12,950	1.54	6.77	163.2	42.27
West Virginia	54.5	12,364	1.16	7.71	161.7	39.98
Boone	54.5	12,364	1.16	7.71	161.7	39.98
Dayton Power & Light Co Stuart	**6,448.4**	**11,605**	**1.44**	**13.92**	**172.7**	**40.08**
Kentucky	4,723.2	11,591	1.33	14.07	178.6	41.39
Bell	70.9	12,471	1.37	9.55	184.7	46.07
Boyd	88.3	11,642	1.40	13.57	116.4	27.09
Breathitt	106.1	11,317	1.43	14.18	115.9	26.22
Carter	12.6	10,591	1.48	16.80	94.8	20.08
Elliott	63.0	10,931	1.79	15.13	105.1	22.97
Floyd	640.7	11,841	1.13	13.71	202.9	48.05
Greenup	15.3	10,847	3.05	15.20	91.8	19.93
Johnson	13.9	10,954	1.15	14.94	109.9	24.08
Knott	39.1	11,986	1.32	12.89	117.7	28.21
Lawrence	164.5	11,216	1.39	14.57	100.5	22.55
Letcher	133.0	11,753	1.29	11.50	111.1	26.11
Magoffin	41.0	10,942	1.40	16.39	106.8	23.36
Martin	61.3	11,064	1.34	14.93	102.8	22.75
Morgan	39.5	11,319	1.37	14.21	113.1	25.60
Perry	2,697.4	11,396	1.36	15.17	195.2	44.48
Pike	536.6	12,514	1.25	9.66	166.1	41.57
Ohio	457.5	10,804	3.06	13.87	101.3	21.89
Belmont	72.9	11,298	2.61	12.77	100.3	22.67
Carroll	3.0	9,469	2.64	17.10	90.6	17.16
Hocking	110.5	10,722	3.17	14.38	101.8	21.82
Jackson	62.9	10,461	3.33	15.33	99.8	20.89
Lawrence	175.6	10,786	2.98	13.48	102.3	22.07
Vinton	32.6	10,856	3.62	13.60	100.2	21.76
Pennsylvania	8.7	12,744	1.21	7.90	107.4	27.38
Washington	8.7	12,744	1.21	7.90	107.4	27.38
West Virginia	1,259.0	11,945	1.29	13.39	175.2	41.85
Clay	1.5	11,633	1.77	12.70	95.6	22.24
Kanawha	558.3	11,904	1.19	12.43	183.4	43.68

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Dayton Power & Light Co Stuart						
West Virginia						
Logan	537.8	12,019	1.39	14.26	185.0	44.47
Nicholas	161.4	11,838	1.31	13.81	113.9	26.98
Dayton Power & Light Co Hutchings	**192.6**	**12,541**	**.84**	**9.12**	**149.2**	**37.43**
Kentucky	109.4	12,398	.82	9.35	149.3	37.02
Breathitt	21.2	12,117	.88	8.45	146.8	35.58
Floyd	25.0	12,440	.88	9.75	145.7	36.25
Harlan	1.7	12,839	.77	5.60	158.7	40.75
Leslie	1.6	12,762	.99	10.91	137.2	35.02
Letcher	1.3	12,897	.67	8.60	159.5	41.14
Magoffin	.8	11,625	.72	9.37	147.0	34.18
Perry	15.3	12,144	.83	9.95	148.9	36.16
Pike	42.5	12,574	.75	9.47	152.5	38.35
West Virginia	83.2	12,729	.86	8.82	149.1	37.96
Boone	22.5	12,698	.82	9.08	149.1	37.87
Kanawha	10.5	13,117	.99	9.50	145.4	38.15
Logan	17.5	12,884	.84	7.52	163.1	42.03
Mingo	6.5	11,976	.79	10.64	150.1	35.96
Nicholas	26.2	12,685	.88	8.75	140.9	35.75
Dayton Power & Light Co Killen	**1,477.4**	**12,696**	**.67**	**9.68**	**144.1**	**36.60**
Kentucky	721.4	12,753	.68	8.99	128.8	32.85
Breathitt	40.1	12,367	.72	10.84	125.4	31.01
Carter	1.5	11,000	1.60	16.00	100.1	22.02
Elliott	6.1	12,524	.75	8.71	120.0	30.06
Floyd	48.7	12,188	.73	11.44	126.8	30.91
Harlan	10.3	12,877	.75	8.18	133.4	34.35
Knott	5.6	12,959	.75	8.70	123.2	31.93
Lawrence	4.6	12,283	.67	11.60	121.9	29.95
Letcher	42.6	13,001	.71	7.75	129.2	33.59
Magoffin	83.7	12,505	.70	8.22	126.2	31.55
Martin	18.0	12,328	.71	10.05	127.2	31.36
Morgan	21.4	12,456	.73	8.57	124.8	31.10
Perry	100.0	13,299	.67	5.67	134.3	35.73
Pike	338.8	12,801	.65	9.69	129.0	33.02
West Virginia	756.0	12,643	.67	10.34	158.9	40.18
Boone	49.2	13,107	.72	8.16	124.7	32.69
Fayette	9.0	12,607	.69	9.48	124.5	31.39
Kanawha	22.1	12,546	.72	9.52	124.3	31.18
Logan	416.8	12,532	.64	10.70	185.3	46.44
Mingo	124.2	12,792	.69	9.46	127.9	32.71
Nicholas	134.7	12,695	.72	11.05	127.9	32.47
Deepwater Operating Co Deepwater	**184.0**	**13,066**	**.80**	**8.12**	**180.4**	**47.14**
West Virginia	184.0	13,066	.80	8.12	180.4	47.14
Braxton	92.0	13,168	.77	7.08	183.8	48.41
Webster	92.0	12,965	.83	9.16	176.9	45.87
Delmarva Power & Light Co Edgemoor	**672.1**	**13,265**	**.72**	**7.71**	**188.4**	**49.99**
Virginia	28.8	13,446	.80	7.62	198.1	53.28
Russell	7.5	13,155	.72	10.30	189.7	49.91
Wise	21.3	13,549	.83	6.68	201.0	54.47
West Virginia	643.2	13,256	.71	7.72	188.0	49.84
Braxton	152.2	13,618	.78	6.37	195.0	53.10
Nicholas	474.1	13,156	.69	8.10	186.3	49.01
Preston	8.9	12,315	.78	8.80	180.2	44.38
Upshur	7.9	13,372	.88	9.50	161.9	43.30
Delmarva Power & Light Co Indian River	**1,624.1**	**12,891**	**1.06**	**9.25**	**192.6**	**49.65**
Kentucky	21.5	13,003	.58	7.72	207.5	53.95
Pike	21.5	13,003	.58	7.72	207.5	53.95
Pennsylvania	931.3	12,704	1.29	10.42	184.9	46.98
Armstrong	225.4	13,079	1.15	8.00	191.9	50.18
Cambria	502.1	12,462	1.40	11.96	184.2	45.92
Clearfield	109.7	12,572	1.51	11.21	167.4	42.09
Indiana	94.0	13,253	.77	7.03	191.3	50.71
Virginia	10.5	13,499	.66	8.00	209.4	56.53
Russell	10.5	13,499	.66	8.00	209.4	56.53
West Virginia	660.9	13,140	.76	7.68	202.3	53.17
Barbour	21.2	13,260	1.40	9.02	141.8	37.61
Logan	186.9	12,854	.60	8.03	208.2	53.51
Nicholas	445.3	13,269	.79	7.43	203.0	53.86
Preston	7.5	12,286	.70	9.80	191.8	47.13
Deseret Generation & Tran Coop Bonanza	**654.8**	**10,645**	**.43**	**8.77**	**196.4**	**41.81**

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Deseret Generation & Tran Coop Bonanza						
Colorado	654.8	10,645	0.43	8.77	196.4	41.81
Rio Blanco	654.8	10,645	.43	8.77	196.4	41.81
Detroit Edison Co Harbor Beach	**103.0**	**12,852**	**.85**	**8.00**	**215.4**	**55.36**
Kentucky	85.0	12,826	.86	7.96	228.1	58.52
Floyd	55.0	12,837	.89	7.60	225.2	57.81
Harlan	3.0	13,070	.84	9.40	162.7	42.53
Pike	27.0	12,777	.80	8.53	241.6	61.75
West Virginia	18.0	12,971	.81	8.18	155.7	40.40
Boone	18.0	12,971	.81	8.18	155.7	40.40
Detroit Edison Co Conners Creek	**181.0**	**12,700**	**.77**	**8.72**	**225.2**	**57.21**
Kentucky	179.0	12,693	.77	8.73	225.2	57.16
Floyd	52.0	12,680	.82	8.14	212.6	53.90
Harlan	19.0	12,925	.75	8.22	162.4	41.98
Knott	8.0	12,433	.76	8.60	159.0	39.54
Pike	100.0	12,676	.75	9.14	249.1	63.14
West Virginia	2.0	13,303	.75	8.00	232.6	61.88
Boone	1.0	13,565	.80	5.30	223.7	60.69
Logan	1.0	13,040	.71	10.70	241.8	63.06
Detroit Edison Co Belle River	**3,961.0**	**9,568**	**.37**	**4.19**	**173.0**	**33.10**
Montana	3,961.0	9,568	.37	4.19	173.0	33.10
Big Horn	3,961.0	9,568	.37	4.19	173.0	33.10
Detroit Edison Co Trenton Channel	**1,339.0**	**12,877**	**.77**	**8.22**	**211.7**	**54.52**
Kentucky	592.0	12,752	.78	8.17	211.0	53.81
Floyd	217.0	12,731	.80	7.15	226.3	57.63
Harlan	30.0	12,970	.80	8.02	162.9	42.26
Knott	37.0	12,633	.88	8.63	159.2	40.24
Martin	40.0	12,460	.94	9.17	192.5	47.97
Perry	58.0	13,219	.69	6.14	160.5	42.43
Pike	210.0	12,691	.72	9.54	229.2	58.17
Virginia	8.0	13,480	.92	5.80	181.1	48.82
Buchanan	8.0	13,480	.92	5.80	181.1	48.82
West Virginia	739.0	12,971	.77	8.28	212.6	55.15
Boone	478.0	13,119	.81	7.95	215.6	56.56
Logan	210.0	12,683	.67	9.25	217.6	55.20
Nicholas	51.0	12,770	.80	7.32	163.5	41.75
Detroit Edison Co Monroe	**6,059.0**	**13,105**	**.97**	**7.08**	**169.9**	**44.54**
Kentucky	1,930.0	12,750	.85	8.04	177.9	45.38
Breathitt	10.0	12,171	.97	8.60	176.8	43.04
Floyd	268.0	12,666	.81	8.08	190.9	48.36
Harlan	174.0	13,032	.79	8.28	146.2	38.11
Knott	242.0	12,955	.83	7.93	143.0	37.06
Letcher	69.0	13,020	1.37	5.79	151.1	39.35
Martin	718.0	12,536	.85	8.56	176.7	44.29
Perry	229.0	12,946	.89	6.81	206.2	53.39
Pike	220.0	12,845	.74	8.17	209.6	53.85
New Mexico	11.0	12,339	.49	12.20	153.6	37.91
Colfax	11.0	12,339	.49	12.20	153.6	37.91
Pennsylvania	1,109.0	13,197	1.40	6.12	172.7	45.59
Greene	1,109.0	13,197	1.40	6.12	172.7	45.59
Virginia	661.0	13,409	1.18	6.70	158.2	42.42
Buchanan	661.0	13,409	1.18	6.70	158.2	42.42
West Virginia	2,348.0	13,270	.81	6.83	165.7	43.98
Barbour	127.0	12,940	1.36	8.48	125.7	32.53
Boone	866.0	13,686	.83	5.48	183.3	50.17
Logan	117.0	12,684	.73	9.16	156.0	39.59
Mcdowell	10.0	13,136	.66	6.20	141.9	37.28
Mingo	306.0	12,935	.79	8.18	146.9	38.00
Nicholas	835.0	13,048	.75	7.30	158.9	41.46
Wyoming	87.0	13,730	.72	5.56	186.2	51.12
Detroit Edison Co River Rouge	**1,147.0**	**12,244**	**.81**	**10.02**	**207.2**	**50.75**
Kentucky	955.0	12,197	.83	9.93	210.5	51.34
Breathitt	550.0	11,889	.84	11.22	217.7	51.77
Floyd	148.0	12,597	.81	7.84	210.4	53.00
Harlan	11.0	12,909	.77	9.02	155.5	40.15
Knott	12.0	12,814	.85	7.80	146.6	37.57
Martin	112.0	12,464	.89	8.78	177.5	44.25
Perry	30.0	12,635	.92	8.39	202.3	51.12
Pike	92.0	12,759	.74	7.90	227.1	57.95
New Mexico	11.0	12,100	.42	13.20	156.7	37.92
Colfax	11.0	12,100	.42	13.20	156.7	37.92

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Detroit Edison Co River Rouge						
West Virginia	181.0	12,504	0.74	10.28	193.5	48.40
Boone	36.0	12,109	.83	11.20	148.6	35.99
Logan	107.0	12,326	.71	10.86	214.7	52.92
Mingo	17.0	12,809	.80	10.19	162.4	41.61
Wyoming	21.0	13,838	.69	5.80	188.4	52.14
Detroit Edison Co St Clair	**4,563.0**	**9,889**	**.62**	**4.63**	**173.0**	**34.22**
Montana	4,089.0	9,558	.37	4.16	171.5	32.78
Big Horn	4,089.0	9,558	.37	4.16	171.5	32.78
Pennsylvania	463.0	12,836	2.79	8.80	183.8	47.18
Clarion	463.0	12,836	2.79	8.80	183.8	47.18
Wyoming	11.0	8,883	.27	4.70	132.6	23.56
Converse	11.0	8,883	.27	4.70	132.6	23.56
Detroit Edison Co Marysville	**140.0**	**12,700**	**.80**	**8.73**	**233.6**	**59.33**
Kentucky	124.0	12,658	.79	8.77	243.0	61.52
Floyd	83.0	12,662	.81	8.34	243.1	61.57
Pike	41.0	12,649	.75	9.62	242.8	61.42
West Virginia	16.0	13,032	.88	8.41	162.5	42.35
Boone	16.0	13,032	.88	8.41	162.5	42.35
Duke Power Co Cliffside	**743.0**	**12,541**	**.99**	**9.94**	**180.7**	**45.31**
Kentucky	712.0	12,543	.99	9.93	182.3	45.74
Bell	41.0	12,400	1.01	8.86	182.5	45.26
Harlan	615.0	12,572	1.00	9.91	186.2	46.82
Leslie	40.0	12,151	.88	11.66	138.5	33.66
Letcher	16.0	12,793	.97	9.19	139.4	35.68
Virginia	7.0	12,482	.91	8.10	129.0	32.20
Lee	7.0	12,482	.91	8.10	129.0	32.20
West Virginia	24.0	12,486	.86	10.90	146.5	36.58
Boone	24.0	12,486	.86	10.90	146.5	36.58
Duke Power Co Allen	**766.0**	**12,542**	**.97**	**10.94**	**185.0**	**46.39**
Virginia	766.0	12,542	.97	10.94	185.0	46.39
Wise	766.0	12,542	.97	10.94	185.0	46.39
Duke Power Co Belews Creek	**4,679.0**	**12,507**	**.95**	**9.76**	**192.0**	**48.03**
Kentucky	2,946.0	12,407	.93	9.31	201.8	50.06
Martin	2,898.0	12,401	.92	9.35	202.9	50.32
Pike	48.0	12,738	1.22	6.90	136.5	34.78
Virginia	1,673.0	12,683	.98	10.55	177.3	44.97
Russell	122.0	12,930	.69	10.76	130.3	33.70
Wise	1,551.0	12,664	1.01	10.54	181.1	45.86
West Virginia	60.0	12,534	.91	10.01	132.4	33.18
Mingo	60.0	12,534	.91	10.01	132.4	33.18
Duke Power Co Buck	**112.0**	**12,706**	**.88**	**10.10**	**172.3**	**43.79**
Kentucky	20.0	12,426	.87	8.88	146.9	36.51
Pike	20.0	12,426	.87	8.88	146.9	36.51
Virginia	60.0	12,902	.95	9.98	196.0	50.59
Wise	60.0	12,902	.95	9.98	196.0	50.59
West Virginia	32.0	12,516	.74	11.07	142.2	35.59
Mcdowell	9.0	11,990	.49	13.69	137.9	33.07
Mercer	5.0	11,951	.68	12.12	139.4	33.33
Mingo	1.0	13,007	.64	7.80	146.8	38.19
Raleigh	5.0	12,497	.63	14.60	136.5	34.12
Wyoming	12.0	13,112	1.02	7.47	148.0	38.81
Duke Power Co Lee	**273.0**	**12,430**	**1.02**	**9.96**	**170.3**	**42.33**
Kentucky	260.0	12,416	1.01	9.97	172.1	42.73
Bell	160.0	12,499	1.02	9.17	190.0	47.49
Floyd	19.0	12,171	1.17	11.95	148.0	36.01
Harlan	14.0	12,581	.96	8.99	149.0	37.50
Johnson	2.0	11,989	1.27	12.20	149.0	35.73
Letcher	3.0	11,582	.82	13.50	64.3	14.89
Pike	59.0	12,298	.97	11.63	143.6	35.33
Whitley	3.0	12,232	.79	6.87	138.4	33.86
Virginia	13.0	12,700	1.17	9.83	135.4	34.39
Dickenson	13.0	12,700	1.17	9.83	135.4	34.39
Duke Power Co Dan River	**6.0**	**12,374**	**.88**	**9.70**	**215.9**	**53.43**
Kentucky	6.0	12,374	.88	9.70	215.9	53.43
Martin	6.0	12,374	.88	9.70	215.9	53.43
Duke Power Co Riverbend	**243.0**	**12,727**	**1.00**	**9.48**	**170.9**	**43.51**

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Duke Power Co Riverbend						
Kentucky	221.0	12,732	1.01	9.27	173.4	44.15
Bell	9.0	12,727	1.06	8.30	182.3	46.40
Floyd	8.0	11,655	1.16	12.00	139.8	32.59
Harlan	204.0	12,774	1.00	9.20	174.2	44.50
West Virginia	22.0	12,679	.85	11.60	146.5	37.15
Boone	22.0	12,679	.85	11.60	146.5	37.15
Duke Power Co Marshall	**2,946.3**	**12,577**	**.94**	**10.48**	**174.5**	**43.91**
Kentucky	817.0	12,493	.96	9.67	162.1	40.50
Bell	75.0	12,325	1.06	9.52	169.3	41.74
Breathitt	7.0	11,811	.89	11.50	139.8	33.02
Floyd	7.0	12,074	.86	10.80	139.8	33.76
Harlan	457.0	12,708	.94	9.27	175.1	44.49
Laurel	50.0	12,237	.76	10.10	138.1	33.80
Leslie	17.0	12,112	.93	11.25	138.5	33.55
Letcher	34.0	12,165	.94	11.88	139.5	33.93
Martin	25.0	12,411	.85	8.23	136.4	33.85
Perry	110.0	11,979	1.03	10.88	138.1	33.08
Pike	35.0	12,807	1.26	8.20	140.2	35.92
Virginia	1,862.3	12,616	.94	10.76	184.5	46.56
Dickenson	2.0	12,936	.79	8.50	137.8	35.65
Lee	34.0	12,393	.85	8.55	131.0	32.48
Wise	1,826.3	12,619	.95	10.80	185.6	46.84
West Virginia	267.0	12,564	.86	11.04	142.4	35.78
Boone	188.0	12,619	.87	11.13	145.3	36.68
Mcdowell	10.0	12,625	.55	11.33	140.2	35.41
Mercer	22.0	12,259	.55	10.68	136.8	33.54
Mingo	42.0	12,524	1.06	10.95	132.9	33.29
Wyoming	5.0	12,065	.78	9.28	138.5	33.42
Duquesne Light Co Cheswick	**1,104.7**	**12,342**	**1.59**	**11.97**	**172.0**	**42.44**
Pennsylvania	1,018.0	12,350	1.57	11.95	173.2	42.78
Allegheny	696.0	12,606	1.52	10.14	176.6	44.54
Fayette	4.0	12,000	2.17	14.31	115.6	27.74
Greene	299.0	11,772	1.65	16.00	166.8	39.27
Washington	12.0	12,028	2.31	13.82	171.2	41.18
Westmoreland	7.0	12,330	1.85	13.84	120.1	29.63
West Virginia	86.7	12,246	1.75	12.30	157.2	38.51
Monongalia	86.7	12,246	1.75	12.30	157.2	38.51
Duquesne Light Co Phillips	**357.0**	**12,253**	**1.86**	**12.39**	**171.1**	**41.93**
Pennsylvania	357.0	12,253	1.86	12.39	171.1	41.93
Allegheny	263.0	12,336	1.82	11.67	173.8	42.89
Greene	45.0	11,770	1.55	15.75	171.4	40.35
Washington	49.0	12,254	2.36	13.17	156.1	38.25
Duquesne Light Co Elrama	**755.0**	**11,910**	**1.63**	**14.38**	**172.5**	**41.08**
Pennsylvania	454.0	11,688	1.66	15.91	167.7	39.21
Allegheny	47.0	12,013	2.22	14.03	167.8	40.32
Greene	404.0	11,650	1.59	16.13	167.7	39.07
Washington	3.0	11,727	2.29	15.47	172.8	40.53
West Virginia	301.0	12,244	1.58	12.08	179.3	43.90
Monongalia	301.0	12,244	1.58	12.08	179.3	43.90
East Kentucky Rural Elec Coop Spurlock	**1,987.4**	**11,732**	**1.22**	**12.03**	**113.7**	**26.68**
Kentucky	1,208.3	11,690	1.15	12.08	114.1	26.67
Boyd	547.0	11,458	1.56	12.22	109.5	25.09
Elliott	140.0	11,649	1.39	13.48	106.8	24.87
Floyd	17.0	11,603	.62	12.64	115.8	26.87
Johnson	94.0	11,684	.66	10.93	119.5	27.93
Lawrence	13.0	11,840	.66	11.18	116.5	27.58
Letcher	25.0	12,359	.66	9.03	118.5	29.30
Magoffin	161.0	11,962	.67	11.45	123.2	29.46
Martin	14.0	11,920	.69	11.44	124.1	29.60
Perry	33.0	12,705	.74	9.32	125.4	31.87
Pike	86.3	12,095	.68	12.20	121.5	29.38
Wayne	77.0	11,693	.59	13.42	115.3	26.97
Unknown	1.0	12,423	.62	8.60	106.9	26.56
Ohio	384.0	11,261	2.03	12.50	103.6	23.34
Jackson	384.0	11,261	2.03	12.50	103.6	23.34
West Virginia	395.1	12,319	.65	11.42	121.5	29.95
Fayette	18.0	11,975	.70	12.61	124.5	29.82
Logan	327.1	12,319	.66	11.46	122.1	30.09
Wayne	50.0	12,443	.59	10.70	116.6	29.02
East Kentucky Rural Elec Coop Cooper	**809.8**	**11,951**	**1.70**	**11.37**	**115.6**	**27.63**

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
East Kentucky Rural Elec Coop Cooper						
Kentucky	780.8	11,938	1.69	11.36	116.2	27.74
Bell	142.0	11,801	1.75	11.12	107.3	25.33
Clay	139.9	11,942	1.59	11.27	107.1	25.58
Knox	17.3	11,415	1.76	13.90	92.3	21.06
Laurel	124.2	11,840	1.63	11.94	103.3	24.47
Mccreary	28.0	12,343	1.86	9.12	110.7	27.33
Perry	.1	12,165	.86	10.30	102.0	24.82
Pulaski	320.1	12,019	1.71	11.35	130.9	31.46
Whitley	8.3	12,225	1.91	11.67	107.4	26.25
Unknown	1.0	12,276	1.99	11.30	103.0	25.29
Tennessee	29.0	12,304	1.81	11.55	100.8	24.80
Fentress	27.0	12,308	1.79	11.56	100.3	24.69
Scott	2.0	12,259	2.00	11.40	107.3	26.31
East Kentucky Rural Elec Coop Dale	**229.0**	**12,051**	**.82**	**10.40**	**111.3**	**26.82**
Kentucky	229.0	12,051	.82	10.40	111.3	26.82
Breathitt	20.5	11,983	.71	9.23	116.4	27.90
Clay	5.7	11,920	.98	10.68	108.8	25.93
Harlan	1.3	12,184	.94	10.25	114.2	27.83
Jackson	12.0	11,709	.93	11.32	111.3	26.06
Knox	1.0	12,019	.95	11.40	108.5	26.08
Laurel	23.2	12,077	1.08	9.74	113.5	27.42
Lee	7.0	11,974	.98	12.81	102.4	24.53
Leslie	1.0	11,770	1.90	12.60	101.2	23.82
Letcher	30.5	12,294	.77	9.69	109.1	26.82
Magoffin	4.0	11,490	.82	12.17	105.6	24.26
Owsley	15.3	11,799	.96	11.48	107.0	25.24
Perry	71.5	12,157	.68	10.35	112.3	27.32
Wolfe	26.0	12,019	.77	11.50	111.1	26.71
Unknown	10.0	11,870	.91	8.48	112.0	26.59
Eastern Iowa Light&Power Coop Fair	**124.3**	**11,464**	**2.64**	**10.28**	**117.4**	**26.92**
Illinois	96.8	11,554	2.59	10.28	121.5	28.09
Randolph	20.7	10,952	3.08	9.76	100.5	22.01
Williamson	76.2	11,717	2.45	10.43	126.9	29.73
Indiana	10.8	11,126	2.63	8.25	101.1	22.50
Pike	10.8	11,126	2.63	8.25	101.1	22.50
Kentucky	16.7	11,160	2.93	11.55	102.9	22.97
Daviess	6.2	10,702	2.81	12.60	111.1	23.78
Hopkins	10.5	11,427	3.00	10.94	98.4	22.50
Electric Energy Inc Joppa	**2,306.4**	**11,682**	**1.98**	**9.13**	**176.3**	**41.18**
Illinois	1,183.1	12,041	2.03	9.29	178.5	42.98
Saline	534.5	12,265	2.17	7.97	173.7	42.62
Williamson	648.6	11,856	1.92	10.37	182.5	43.28
Kentucky	1,123.3	11,304	1.93	8.97	173.8	39.28
Muhlenberg	390.5	11,389	2.86	10.47	171.4	39.05
Ohio	732.8	11,259	1.43	8.17	175.0	39.41
Empire District Electric Co Riverton	**280.1**	**12,046**	**2.72**	**11.44**	**134.4**	**32.38**
Kansas	132.6	12,123	2.64	11.60	132.6	32.16
Crawford	132.6	12,123	2.64	11.60	132.6	32.16
Missouri	51.6	12,008	2.91	10.92	135.5	32.53
Vernon	51.6	12,008	2.91	10.92	135.5	32.53
Oklahoma	95.9	11,960	2.74	11.50	136.3	32.60
Rogers	95.9	11,960	2.74	11.50	136.3	32.60
Empire District Electric Co Asbury	**552.3**	**10,776**	**5.54**	**21.37**	**120.8**	**26.04**
Kansas	86.2	12,004	3.62	13.96	126.2	30.29
Crawford	86.2	12,004	3.62	13.96	126.2	30.29
Missouri	455.6	10,589	6.02	23.13	119.3	25.26
Barton	448.1	10,607	6.06	23.18	119.9	25.44
Vernon	7.5	9,511	3.90	20.40	78.9	15.01
Wyoming	10.5	8,830	.48	5.38	140.2	24.75
Campbell	10.5	8,830	.48	5.38	140.2	24.75
Florida Power Corp Crystal River	**5,660.2**	**12,623**	**.82**	**8.85**	**188.5**	**47.59**
Alabama	27.5	12,083	.70	10.65	176.1	42.55
Walker	27.5	12,083	.70	10.65	176.1	42.55
Kentucky	3,727.0	12,704	.89	8.79	185.8	47.20
Breathitt	353.6	12,417	.87	8.26	153.3	38.08
Floyd	382.6	12,466	1.08	9.70	155.4	38.75
Harlan	989.2	12,565	1.04	9.16	222.7	55.95
Knott	190.0	12,428	1.02	10.22	208.2	51.76
Leslie	304.4	12,845	.84	8.75	175.7	45.15
Letcher	985.9	13,085	.70	7.29	174.9	45.78
Perry	243.0	12,555	1.00	10.00	209.8	52.69

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Florida Power Corp Crystal River						
Kentucky						
Pike	277.3	12,703	0.71	10.20	152.0	38.62
Unknown	1.1	12,881	.84	7.01	182.6	47.05
Virginia	708.6	12,540	.71	9.23	246.7	61.88
Lee	708.6	12,540	.71	9.23	246.7	61.88
West Virginia	741.8	12,651	.72	10.41	165.4	41.84
Boone	676.2	12,634	.72	10.55	168.0	42.45
Kanawha	35.8	12,807	.70	8.84	143.6	36.78
Logan	9.7	12,782	.75	8.80	124.7	31.89
Mingo	10.0	13,065	.78	8.40	119.8	31.32
Imported	455.3	12,074	.51	6.11	158.2	38.19
Imported Coal	455.3	12,074	.51	6.11	158.2	38.19
Fremont City of Wright	**121.0**	**11,792**	**.56**	**7.21**	**180.0**	**42.44**
Colorado	115.8	11,955	.57	7.25	181.0	43.29
Gunnison	101.6	12,214	.60	7.39	182.2	44.51
Jackson	14.2	10,103	.34	6.29	171.0	34.56
Montana	.1	9,210	.48	3.20	90.8	16.73
Big Horn	.1	9,210	.48	3.20	90.8	16.73
Wyoming	5.1	8,123	.35	6.42	145.9	23.70
Campbell	4.5	8,251	.37	4.83	159.5	26.33
Converse	.6	7,158	.20	18.30	27.9	3.99
Gainesville City of Deerhaven	**509.7**	**13,238**	**.78**	**6.06**	**172.4**	**45.65**
Kentucky	474.1	13,252	.78	5.96	170.9	45.31
Letcher	449.2	13,283	.79	5.78	169.7	45.09
Perry	24.9	12,686	.74	9.23	193.9	49.19
Virginia	16.2	13,314	.77	6.70	170.3	45.35
Wise	16.2	13,314	.77	6.70	170.3	45.35
West Virginia	19.4	12,818	.73	7.80	211.1	54.12
Logan	19.4	12,818	.73	7.80	211.1	54.12
Georgia Power Co Harllee Branch	**3,888.0**	**12,523**	**1.29**	**10.43**	**174.4**	**43.67**
Kentucky	2,005.9	12,383	1.55	10.53	162.7	40.30
Bell	104.7	12,498	1.32	10.26	170.8	42.70
Breathitt	60.2	12,095	1.67	10.09	134.6	32.56
Clay	769.1	12,382	1.52	10.40	175.6	43.49
Floyd	105.0	12,338	1.90	11.51	144.5	35.66
Harlan	15.6	12,730	1.09	9.94	144.0	36.65
Knott	268.7	12,402	1.54	10.84	142.3	35.29
Knox	186.3	12,267	1.68	11.06	203.6	49.96
Leslie	48.8	12,311	1.48	11.06	173.0	42.59
Letcher	90.7	12,836	1.17	7.13	143.2	36.75
Perry	249.2	12,144	1.57	11.24	142.9	34.72
Pike	107.6	12,787	1.75	10.39	137.5	35.16
Tennessee	908.5	12,551	.83	9.85	196.8	49.41
Campbell	23.7	12,087	1.51	10.51	146.2	35.35
Claiborne	884.8	12,564	.81	9.84	198.2	49.79
Virginia	973.6	12,784	1.19	10.76	177.0	45.24
Lee	903.6	12,769	1.17	10.82	177.9	45.44
Wise	70.0	12,971	1.37	9.93	164.8	42.74
Georgia Power Co Arkwright	**359.4**	**12,657**	**1.95**	**10.14**	**189.8**	**48.04**
Kentucky	10.7	12,327	2.08	8.88	183.7	45.29
Mccreary	10.7	12,327	2.08	8.88	183.7	45.29
Tennessee	348.7	12,667	1.94	10.18	190.0	48.13
Campbell	348.7	12,667	1.94	10.18	190.0	48.13
Georgia Power Co Atkinson-Mcdonoug	**1,398.3**	**11,790**	**2.44**	**9.48**	**174.7**	**41.19**
Illinois	470.9	11,410	2.47	8.85	164.4	37.52
Franklin	269.9	11,767	1.95	7.54	169.5	39.90
Perry	201.0	10,931	3.17	10.60	157.0	34.33
Kentucky	927.4	11,983	2.43	9.80	179.6	43.05
Clay	204.6	12,241	1.59	10.92	167.0	40.89
Harlan	27.0	12,396	2.34	9.81	113.5	28.13
Hopkins	308.0	11,720	3.00	10.13	159.0	37.28
Knott	50.7	12,087	1.70	12.18	127.9	30.92
Knox	34.9	12,253	1.73	10.73	184.1	45.12
Ohio	268.7	11,939	2.72	7.80	234.9	56.09
Perry	17.0	12,000	1.50	12.00	135.9	32.62
Pike	16.5	12,839	2.05	10.72	129.6	33.28
Georgia Power Co Bowen	**8,356.9**	**12,199**	**1.75**	**10.33**	**171.2**	**41.78**
Kentucky	8,356.9	12,199	1.75	10.33	171.2	41.78
Bell	1,288.5	12,258	1.34	10.63	162.7	39.90
Clay	1,979.4	12,247	1.63	10.92	167.8	41.11
Harlan	91.5	12,473	1.44	10.77	134.4	33.52

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Georgia Power Co Bowen						
Kentucky						
Hopkins	1,240.3	11,723	3.00	10.21	150.1	35.20
Knox	266.1	12,248	1.63	10.78	184.7	45.23
Leslie	1,257.9	12,428	1.52	10.65	156.1	38.80
Letcher	121.7	13,025	.84	8.21	127.7	33.26
Ohio	565.8	11,965	2.73	7.79	233.6	55.91
Perry	1,545.7	12,282	1.21	10.16	192.5	47.29
Georgia Power Co Hammond	**2,254.2**	**12,588**	**1.70**	**9.79**	**158.0**	**39.78**
Kentucky	1,069.3	12,333	1.96	9.20	158.7	39.14
Bell	10.9	12,014	1.77	13.47	137.9	33.13
Clay	111.0	12,750	1.54	9.04	183.7	46.84
Mccreary	947.4	12,288	2.01	9.17	155.9	38.31
Tennessee	194.0	12,290	1.67	10.85	153.7	37.77
Anderson	42.4	12,393	1.84	11.59	138.8	34.41
Campbell	79.1	12,390	1.65	10.10	171.3	42.45
Claiborne	60.8	12,199	1.52	10.49	143.3	34.97
Fentress	11.7	11,704	2.02	15.04	140.1	32.79
Virginia	990.9	12,920	1.42	10.21	158.1	40.86
Wise	990.9	12,920	1.42	10.21	158.1	40.86
Georgia Power Co Yates	**3,021.6**	**11,671**	**2.33**	**10.62**	**178.9**	**41.75**
Alabama	827.3	11,861	2.22	14.76	215.8	51.20
Walker	827.3	11,861	2.22	14.76	215.8	51.20
Illinois	1,907.0	11,417	2.49	8.87	164.6	37.58
Franklin	1,073.2	11,778	1.97	7.61	169.7	39.97
Perry	833.8	10,953	3.15	10.49	157.5	34.51
Indiana	10.0	11,434	2.65	7.40	170.1	38.90
Pike	10.0	11,434	2.65	7.40	170.1	38.90
Tennessee	78.3	12,698	2.20	10.27	181.0	45.97
Anderson	2.6	12,051	1.91	13.64	142.5	34.35
Campbell	75.7	12,720	2.21	10.15	182.3	46.37
Virginia	199.0	12,924	1.39	10.41	158.5	40.97
Wise	199.0	12,924	1.39	10.41	158.5	40.97
Georgia Power Co Mitchell	**464.1**	**12,754**	**1.32**	**9.42**	**191.7**	**48.90**
Kentucky	464.1	12,754	1.32	9.42	191.7	48.90
Bell	187.2	12,826	1.26	9.20	193.1	49.52
Clay	185.9	12,860	1.37	9.05	200.2	51.50
Knox	26.5	12,181	1.34	10.66	163.9	39.92
Leslie	13.2	12,565	1.57	10.43	202.0	50.76
Pike	51.3	12,456	1.30	10.67	166.0	41.37
Georgia Power Co Scherer	**2,153.6**	**12,658**	**.68**	**8.94**	**290.7**	**73.58**
Kentucky	531.9	12,554	.65	8.81	297.0	74.57
Mccreary	531.9	12,554	.65	8.81	297.0	74.57
Virginia	635.3	13,391	.76	6.72	276.1	73.94
Lee	635.3	13,391	.76	6.72	276.1	73.94
West Virginia	986.4	12,241	.64	10.43	297.4	72.82
Mingo	986.4	12,241	.64	10.43	297.4	72.82
Georgia Power Co Wansley	**4,574.6**	**11,441**	**2.47**	**8.44**	**165.2**	**37.79**
Illinois	3,230.8	11,430	2.46	8.83	164.5	37.61
Franklin	1,836.8	11,785	1.94	7.60	169.6	39.98
Perry	1,394.0	10,962	3.14	10.45	157.3	34.48
Indiana	1,318.2	11,440	2.50	7.44	166.7	38.14
Pike	1,318.2	11,440	2.50	7.44	166.7	38.14
Virginia	25.6	12,942	1.49	10.44	166.2	43.02
Wise	25.6	12,942	1.49	10.44	166.2	43.02
Grand Haven City of J B Simms	**104.6**	**11,103**	**2.70**	**10.35**	**163.8**	**36.37**
Indiana	50.3	10,780	2.36	11.01	181.8	39.19
Greene	50.3	10,780	2.36	11.01	181.8	39.19
Kentucky	54.3	11,402	3.02	9.74	148.0	33.75
Muhlenberg	54.3	11,402	3.02	9.74	148.0	33.75
Grand Island City of Platte	**208.1**	**8,116**	**.35**	**5.72**	**183.1**	**29.72**
Wyoming	208.1	8,116	.35	5.72	183.1	29.72
Campbell	208.1	8,116	.35	5.72	183.1	29.72
Grand River Dam Authority GRDA 1	**2,583.3**	**8,400**	**.43**	**5.12**	**137.6**	**23.12**
Oklahoma	83.5	12,098	3.63	10.63	120.9	29.26
Craig	83.5	12,098	3.63	10.63	120.9	29.26
Wyoming	2,499.8	8,276	.32	4.93	138.4	22.91
Campbell	2,499.8	8,276	.32	4.93	138.4	22.91
Gulf Power Co Crist	**1,696.4**	**12,083**	**2.84**	**9.38**	**199.7**	**48.25**

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Gulf Power Co Crist						
Alabama	25.4	12,584	2.76	10.03	121.1	30.48
Walker	25.4	12,584	2.76	10.03	121.1	30.48
Illinois	1,282.4	12,028	2.82	9.50	222.9	53.63
Gallatin	1,282.4	12,028	2.82	9.50	222.9	53.63
Kentucky	388.6	12,228	2.89	8.95	129.5	31.68
Hopkins	151.3	11,955	2.89	8.31	125.3	29.96
Union	237.3	12,402	2.89	9.36	132.2	32.78
Gulf Power Co Smith	**1,043.9**	**11,764**	**.57**	**12.42**	**216.4**	**50.91**
Kentucky	13.4	12,476	3.18	10.22	182.5	45.53
Union	13.4	12,476	3.18	10.22	182.5	45.53
Imported	1,030.5	11,755	.53	12.45	216.9	50.98
Imported Coal	1,030.5	11,755	.53	12.45	216.9	50.98
Gulf Power Co Scholtz	**352.1**	**12,409**	**2.95**	**9.90**	**160.3**	**39.79**
Alabama	26.4	12,184	2.81	11.80	132.9	32.38
Walker	26.4	12,184	2.81	11.80	132.9	32.38
Kentucky	325.7	12,427	2.96	9.74	162.5	40.39
Union	215.6	12,320	3.04	10.38	171.6	42.28
Webster	110.1	12,638	2.79	8.49	145.1	36.68
Gulf States Utilities Co Nelson	**2,303.0**	**8,586**	**.47**	**6.47**	**192.0**	**32.97**
Wyoming	2,303.0	8,586	.47	6.47	192.0	32.97
Campbell	2,303.0	8,586	.47	6.47	192.0	32.97
Hamilton City of Hamilton	**112.7**	**12,441**	**.67**	**8.97**	**149.5**	**37.19**
West Virginia	112.7	12,441	.67	8.97	149.5	37.19
Fayette	112.7	12,441	.67	8.97	149.5	37.19
Hastings City of Hastings	**134.3**	**8,159**	**.37**	**5.78**	**180.2**	**29.40**
Wyoming	134.3	8,159	.37	5.78	180.2	29.40
Campbell	134.3	8,159	.37	5.78	180.2	29.40
Henderson City of Henderson	**121.0**	**11,243**	**2.38**	**10.28**	**151.3**	**34.02**
Indiana	121.0	11,243	2.38	10.28	151.3	34.02
Spencer	121.0	11,243	2.38	10.28	151.3	34.02
Holland City of James De Young	**183.4**	**13,161**	**.90**	**6.87**	**177.0**	**46.59**
Kentucky	143.3	13,109	.89	6.81	181.0	47.46
Magoffin	143.3	13,109	.89	6.81	181.0	47.46
Pennsylvania	40.1	13,346	.91	7.10	163.0	43.51
Allegheny	40.1	13,346	.91	7.10	163.0	43.51
Holyoke Water Power Co Mount Tom	**373.7**	**13,085**	**1.35**	**7.51**	**193.6**	**50.66**
Pennsylvania	366.0	13,070	1.35	7.54	193.6	50.60
Cambria	35.2	13,246	1.51	7.12	201.4	53.35
Clearfield	308.3	13,045	1.34	7.59	193.2	50.40
Jefferson	7.7	13,200	1.40	7.30	170.4	44.99
Washington	14.8	13,114	1.06	7.74	195.3	51.22
West Virginia	7.7	13,800	1.30	5.90	193.1	53.30
Kanawha	7.7	13,800	1.30	5.90	193.1	53.30
Hoosier Energy R E C Inc Merom	**1,784.5**	**10,827**	**3.40**	**9.99**	**170.7**	**36.96**
Illinois	1,001.9	10,584	3.19	9.29	203.5	43.08
Macoupin	1,001.9	10,584	3.19	9.29	203.5	43.08
Indiana	782.6	11,137	3.68	10.88	130.7	29.12
Clay	582.2	11,144	3.85	10.65	143.6	32.01
Daviess	1.9	10,288	2.93	12.40	100.9	20.76
Greene	5.5	10,882	1.11	7.70	110.5	24.05
Owen	2.9	11,047	2.37	10.65	64.3	14.20
Pike	127.1	11,178	3.78	12.53	94.8	21.18
Sullivan	47.3	11,066	1.73	9.22	89.4	19.77
Vigo	15.7	10,984	3.55	12.01	91.6	20.13
Hoosier Energy R E C Inc Frank E Ratts	**572.9**	**11,098**	**2.72**	**9.26**	**133.8**	**29.69**
Indiana	572.9	11,098	2.72	9.26	133.8	29.69
Pike	572.9	11,098	2.72	9.26	133.8	29.69
Houston Lighting & Power Co Limestone	**4,000.3**	**6,701**	**1.41**	**17.42**	**188.4**	**25.25**
Texas	4,000.3	6,701	1.41	17.42	188.4	25.25
Freestone	4,000.3	6,701	1.41	17.42	188.4	25.25
Houston Lighting & Power Co Parish	**8,844.5**	**8,396**	**.37**	**5.74**	**247.2**	**41.51**
Montana	2,178.0	8,471	.31	5.38	246.5	41.77
Big Horn	2,178.0	8,471	.31	5.38	246.5	41.77

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Houston Lighting & Power Co Parish						
Wyoming	6,666.5	8,372	0.39	5.86	247.4	41.42
Campbell	6,666.5	8,372	.39	5.86	247.4	41.42
Illinois Power Co Baldwin	**4,586.7**	**10,844**	**2.80**	**10.42**	**146.9**	**31.87**
Illinois	4,586.7	10,844	2.80	10.42	146.9	31.87
Perry	2,198.8	10,911	2.85	10.44	148.1	32.31
Randolph	1,548.9	10,782	2.76	10.39	146.2	31.52
Saline	6.2	11,363	2.31	12.30	148.1	33.66
Washington	832.7	10,777	2.76	10.42	145.4	31.33
Illinois Power Co Hennepin	**1,010.3**	**10,812**	**2.83**	**10.40**	**143.0**	**30.92**
Illinois	1,010.3	10,812	2.83	10.40	143.0	30.92
Randolph	689.4	10,809	2.83	10.39	143.1	30.93
Saline	7.2	11,742	2.71	11.20	135.4	31.80
Washington	313.7	10,798	2.83	10.42	142.9	30.87
Illinois Power Co Havana	**687.2**	**12,397**	**.64**	**10.02**	**142.2**	**35.26**
Kentucky	268.9	12,633	.64	9.12	143.1	36.15
Harlan	11.8	12,381	.58	10.70	152.9	37.85
Letcher	194.9	12,486	.65	9.54	142.6	35.61
Perry	62.3	13,141	.62	7.50	142.7	37.51
West Virginia	418.2	12,245	.65	10.60	141.6	34.68
Boone	369.2	12,237	.65	10.62	140.7	34.43
Fayette	4.8	12,100	.56	10.30	149.0	36.06
Logan	44.2	12,328	.60	10.42	148.5	36.63
Illinois Power Co Wood River	**756.8**	**12,192**	**.86**	**5.02**	**156.1**	**38.06**
Illinois	756.8	12,192	.86	5.02	156.1	38.06
Jefferson	756.8	12,192	.86	5.02	156.1	38.06
Illinois Power Co Vermilion	**628.8**	**10,768**	**2.28**	**11.74**	**123.3**	**26.55**
Illinois	493.2	10,833	2.51	11.66	125.8	27.24
Douglas	493.2	10,833	2.51	11.66	125.8	27.24
Indiana	135.6	10,533	1.44	12.01	114.0	24.01
Owen	135.6	10,533	1.44	12.01	114.0	24.01
Independence City of Blue Valley	**145.2**	**12,119**	**3.59**	**11.02**	**161.4**	**39.13**
Kansas	80.6	12,130	3.84	11.49	161.2	39.11
Bourbon	4.9	12,065	5.21	10.45	161.0	38.85
Crawford	75.7	12,135	3.75	11.56	161.2	39.12
Kentucky	.6	11,891	2.07	9.64	165.0	39.24
Union	.6	11,891	2.07	9.64	165.0	39.24
Missouri	64.0	12,107	3.29	10.45	161.7	39.16
Barton	48.5	12,042	3.09	10.37	162.6	39.15
Howard	15.5	12,313	3.92	10.67	159.1	39.18
Indiana & Michigan Electric Co Breed	**755.9**	**11,060**	**4.20**	**10.88**	**146.8**	**32.47**
Indiana	755.9	11,060	4.20	10.88	146.8	32.47
Clay	755.9	11,060	4.20	10.88	146.8	32.47
Indiana & Michigan Electric Co Tanners Creek	**1,749.9**	**11,707**	**2.12**	**8.82**	**166.3**	**38.93**
Indiana	941.6	11,062	2.98	8.97	124.2	27.48
Gibson	27.9	10,738	2.67	10.01	102.0	21.90
Perry	3.0	11,203	3.20	8.10	102.4	22.94
Spencer	81.7	11,409	3.09	8.42	104.5	23.85
Warrick	829.0	11,038	2.98	8.99	127.0	28.04
Kentucky	642.7	12,563	1.18	7.73	208.3	52.34
Boyd	105.1	11,254	2.86	11.29	103.2	23.24
Hopkins	10.4	11,671	3.69	12.40	102.8	24.00
Webster	19.4	12,043	3.31	11.20	101.0	24.33
Unknown	465.0	12,871	.70	6.79	233.5	60.12
Ohio	13.3	11,052	2.92	11.57	98.6	21.78
Jackson	9.0	11,157	3.55	11.80	99.0	22.09
Lawrence	4.3	10,832	1.59	11.10	97.6	21.14
West Virginia	152.3	12,144	.69	12.27	224.8	54.59
Logan	152.3	12,144	.69	12.27	224.8	54.59
Indiana & Michigan Electric Co Rockport	**3,867.2**	**8,093**	**.32**	**5.07**	**210.1**	**34.01**
Wyoming	3,867.2	8,093	.32	5.07	210.1	34.01
Campbell	3,867.2	8,093	.32	5.07	210.1	34.01
Indiana-Kentucky Electric Corp Clifty Creek	**3,887.0**	**11,374**	**3.32**	**10.20**	**117.8**	**26.80**
Indiana	1,680.0	11,038	3.15	9.41	113.6	25.07
Pike	126.0	10,925	3.45	10.57	104.9	22.92
Spencer	231.0	11,160	3.07	9.26	99.3	22.16
Warrick	1,323.0	11,028	3.13	9.32	116.9	25.78

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Indiana-Kentucky Electric Corp Clifty Creek						
Kentucky	2,207.0	11,630	3.45	10.81	120.9	28.12
Hopkins	2,082.0	11,657	3.45	10.81	122.0	28.45
Mclean	124.0	11,184	3.38	10.76	100.5	22.48
Union	1.0	11,352	2.92	9.10	144.0	32.69
Indianapolis Power & Light Co Stout	**1,138.0**	**11,077**	**2.00**	**8.36**	**138.8**	**30.74**
Indiana	1,138.0	11,077	2.00	8.36	138.8	30.74
Greene	459.0	11,294	1.38	7.26	135.9	30.69
Sullivan	426.0	10,835	2.06	9.40	145.9	31.61
Warrick	253.0	11,089	3.00	8.62	132.4	29.37
Indianapolis Power & Light Co Petersburg	**4,157.0**	**11,232**	**2.57**	**8.06**	**124.7**	**28.01**
Indiana	4,157.0	11,232	2.57	8.06	124.7	28.01
Knox	593.0	11,273	1.14	7.79	125.2	28.23
Pike	1,062.0	11,434	1.80	6.62	131.9	30.17
Warrick	2,502.0	11,136	3.24	8.73	121.4	27.05
Indianapolis Power & Light Co Pritchard	**338.0**	**11,229**	**2.53**	**8.11**	**134.0**	**30.09**
Indiana	338.0	11,229	2.53	8.11	134.0	30.09
Greene	101.0	11,399	1.53	7.30	132.1	30.12
Pike	20.0	11,301	1.59	6.22	153.9	34.78
Warrick	217.0	11,143	3.08	8.65	133.0	29.64
Interstate Power Co Fox Lake	**73.1**	**10,734**	**1.53**	**9.56**	**156.6**	**33.62**
Indiana	70.1	10,624	1.53	9.73	155.5	33.05
Spencer	70.1	10,624	1.53	9.73	155.5	33.05
Kentucky	3.0	13,307	1.44	5.40	176.9	47.08
Pike	3.0	13,307	1.44	5.40	176.9	47.08
Interstate Power Co Dubuque	**131.5**	**11,048**	**2.95**	**9.33**	**163.6**	**36.15**
Illinois	128.6	11,052	2.96	9.32	164.9	36.45
Randolph	128.6	11,052	2.96	9.32	164.9	36.45
Indiana	2.9	10,906	2.54	9.40	104.6	22.82
Daviess	2.9	10,906	2.54	9.40	104.6	22.82
Interstate Power Co Lansing	**690.4**	**8,596**	**.55**	**5.14**	**222.0**	**38.16**
Illinois	57.6	10,854	2.86	9.69	168.9	36.67
Randolph	57.6	10,854	2.86	9.69	168.9	36.67
Wyoming	632.8	8,390	.34	4.73	228.2	38.30
Campbell	632.8	8,390	.34	4.73	228.2	38.30
Interstate Power Co Kapp	**504.9**	**10,975**	**2.90**	**9.48**	**157.8**	**34.63**
Illinois	434.3	10,981	2.98	9.60	165.7	36.38
Perry	3.2	11,291	2.86	9.40	102.5	23.15
Randolph	431.1	10,979	2.98	9.60	166.1	36.48
Indiana	70.6	10,940	2.46	8.78	109.1	23.88
Spencer	70.6	10,940	2.46	8.78	109.1	23.88
Iowa Electric Light & Power Prairie Creek 1-4	**418.0**	**11,697**	**2.21**	**7.83**	**140.7**	**32.92**
Illinois	400.0	11,721	2.20	7.81	140.9	33.02
Franklin	400.0	11,721	2.20	7.81	140.9	33.02
Missouri	18.0	11,168	2.30	8.35	137.1	30.63
Putnam	18.0	11,168	2.30	8.35	137.1	30.63
Iowa Electric Light & Power 6th St	**67.0**	**11,724**	**2.20**	**7.80**	**141.0**	**33.05**
Illinois	67.0	11,724	2.20	7.80	141.0	33.05
Franklin	67.0	11,724	2.20	7.80	141.0	33.05
Iowa Electric Light & Power Sutherland	**219.0**	**10,438**	**2.32**	**8.75**	**142.4**	**29.74**
Illinois	24.0	10,875	2.52	9.43	140.1	30.48
Franklin	8.0	11,781	2.33	8.10	142.0	33.45
Fulton	16.0	10,422	2.62	10.10	139.1	28.99
Iowa	133.0	10,011	2.15	9.30	146.3	29.29
Monroe	133.0	10,011	2.15	9.30	146.3	29.29
Missouri	62.0	11,185	2.62	7.32	135.9	30.40
Putnam	62.0	11,185	2.62	7.32	135.9	30.40
Iowa Power & Light Co Council Bluffs	**2,170.7**	**8,444**	**.35**	**5.64**	**112.5**	**18.99**
Wyoming	2,170.7	8,444	.35	5.64	112.5	18.99
Campbell	2,170.7	8,444	.35	5.64	112.5	18.99
Iowa Public Service Co George Neal 1/4	**1,981.7**	**9,449**	**.52**	**6.47**	**146.8**	**27.75**
Wyoming	1,981.7	9,449	.52	6.47	146.8	27.75
Campbell	1,046.8	8,299	.31	4.92	131.5	21.83
Carbon	934.9	10,737	.76	8.20	160.1	34.38
Iowa Southern Utilities Co Ottumwa	**2,018.6**	**8,287**	**.39**	**5.82**	**120.6**	**19.99**

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Iowa Southern Utilities Co Ottumwa						
Wyoming	2,018.6	8,287	0.39	5.82	120.6	19.99
Campbell	2,018.6	8,287	.39	5.82	120.6	19.99
Iowa Southern Utilities Co Burlington	**292.7**	**10,860**	**2.55**	**9.32**	**108.5**	**23.56**
Illinois	19.8	10,917	2.98	10.17	116.7	25.49
Perry	6.2	10,965	3.01	10.02	102.2	22.41
St Clair	13.6	10,895	2.97	10.24	123.4	26.89
Indiana	272.9	10,856	2.52	9.26	107.9	23.42
Warrick	272.9	10,856	2.52	9.26	107.9	23.42
Iowa-Illinois Gas&Electric Co Riverside	**303.0**	**10,963**	**2.42**	**9.69**	**116.6**	**25.55**
Illinois	259.0	10,985	2.41	9.72	115.4	25.36
Franklin	77.0	11,839	2.14	8.17	126.9	30.04
Fulton	182.0	10,624	2.53	10.38	110.0	23.38
Indiana	44.0	10,830	2.47	9.47	123.3	26.70
Gibson	11.0	10,680	2.62	9.98	131.3	28.05
Greene	11.0	10,455	2.36	8.50	127.8	26.72
Sullivan	22.0	11,092	2.44	9.70	117.2	26.01
Iowa-Illinois Gas&Electric Co Louisa	**1,820.0**	**8,331**	**.38**	**5.64**	**116.9**	**19.48**
Wyoming	1,820.0	8,331	.38	5.64	116.9	19.48
Campbell	1,820.0	8,331	.38	5.64	116.9	19.48
Jacksonville Electric Auth St. Johns	**204.0**	**11,728**	**3.83**	**12.81**	**142.6**	**33.45**
Kentucky	204.0	11,728	3.83	12.81	142.6	33.45
Webster	204.0	11,728	3.83	12.81	142.6	33.45
Jamestown City of Samuel A Carlson	**122.3**	**12,741**	**1.49**	**9.50**	**140.1**	**35.69**
Ohio	3.5	12,609	1.53	9.55	142.7	35.98
Columbiana	3.5	12,609	1.53	9.55	142.7	35.98
Pennsylvania	118.7	12,745	1.49	9.50	140.0	35.68
Armstrong	6.6	12,698	1.34	10.41	142.3	36.14
Butler	19.2	12,599	1.56	8.06	140.4	35.38
Clarion	27.2	12,757	1.51	9.33	137.3	35.02
Elk	16.5	12,768	1.62	9.71	142.9	36.49
Jefferson	49.3	12,792	1.42	9.97	140.0	35.82
Kansas City City of Quindaro	**204.8**	**11,437**	**2.48**	**9.72**	**168.3**	**38.49**
Illinois	204.8	11,437	2.48	9.72	168.3	38.49
Franklin	114.4	11,676	2.55	8.31	139.8	32.64
Williamson	90.4	11,134	2.41	11.50	206.1	45.89
Kansas City City of Kaw	**79.1**	**11,559**	**2.48**	**8.87**	**156.5**	**36.17**
Illinois	79.1	11,559	2.48	8.87	156.5	36.17
Franklin	55.9	11,707	2.57	7.84	140.9	33.00
Williamson	23.2	11,204	2.27	11.36	195.5	43.81
Kansas City City of Nearman	**954.7**	**8,416**	**.29**	**4.72**	**122.0**	**20.54**
Wyoming	954.7	8,416	.29	4.72	122.0	20.54
Campbell	954.7	8,416	.29	4.72	122.0	20.54
Kansas City Power & Light Co Hawthorne	**1,302.8**	**8,509**	**.34**	**5.31**	**89.2**	**15.18**
Oklahoma	3.7	12,581	5.04	12.50	131.4	33.06
Mcintosh	3.7	12,581	5.04	12.50	131.4	33.06
Wyoming	1,299.1	8,498	.33	5.29	89.0	15.13
Campbell	1,299.1	8,498	.33	5.29	89.0	15.13
Kansas City Power & Light Co Iatan	**2,045.4**	**8,865**	**.35**	**4.85**	**90.2**	**15.98**
Wyoming	2,045.4	8,865	.35	4.85	90.2	15.98
Campbell	2,045.4	8,865	.35	4.85	90.2	15.98
Kansas City Power & Light Co La Cygne	**3,066.8**	**8,811**	**2.52**	**14.53**	**118.7**	**20.92**
Kansas	953.2	9,237	5.08	25.90	119.3	22.05
Linn	953.2	9,237	5.08	25.90	119.3	22.05
Missouri	459.9	9,249	5.07	25.84	119.0	22.01
Bates	459.9	9,249	5.07	25.84	119.0	22.01
Wyoming	1,653.7	8,444	.34	4.82	118.2	19.96
Campbell	1,653.7	8,444	.34	4.82	118.2	19.96
Kansas City Power & Light Co Montrose	**844.6**	**9,885**	**4.47**	**21.43**	**138.6**	**27.40**
Illinois	42.6	10,896	5.00	19.03	136.8	29.81
Saline	42.6	10,896	5.00	19.03	136.8	29.81
Missouri	747.9	9,685	4.49	22.20	139.5	27.02
Henry	747.9	9,685	4.49	22.20	139.5	27.02
Oklahoma	54.1	11,851	3.78	12.57	129.7	30.73
Craig	54.1	11,851	3.78	12.57	129.7	30.73

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Kansas Power & Light Co Lawrence	**693.5**	**10,723**	**0.70**	**9.54**	**172.6**	**37.02**
Wyoming	693.5	10,723	.70	9.54	172.6	37.02
Carbon	693.5	10,723	.70	9.54	172.6	37.02
Kansas Power & Light Co Jeffrey Energy	**7,654.9**	**8,327**	**.34**	**4.68**	**129.6**	**21.58**
Wyoming	7,654.9	8,327	.34	4.68	129.6	21.58
Campbell	7,654.9	8,327	.34	4.68	129.6	21.58
Kansas Power & Light Co Tecumseh	**173.9**	**10,731**	**.71**	**9.57**	**172.5**	**37.02**
Wyoming	173.9	10,731	.71	9.57	172.5	37.02
Carbon	173.9	10,731	.71	9.57	172.5	37.02
Kentucky Power Co Big Sandy	**2,037.9**	**11,911**	**1.24**	**12.67**	**157.1**	**37.42**
Kentucky	2,009.7	11,907	1.24	12.67	157.8	37.57
Breathitt	32.7	11,923	1.05	9.20	108.5	25.86
Floyd	506.2	11,877	1.30	13.09	146.9	34.90
Johnson	590.4	11,877	1.36	13.54	159.6	37.91
Letcher	24.8	11,803	.91	12.85	111.2	26.25
Magoffin	129.2	11,769	1.24	10.69	179.4	42.24
Martin	427.1	11,897	1.03	12.21	158.7	37.75
Pike	299.3	12,100	1.25	12.13	171.1	41.40
West Virginia	*28.2*	*12,175*	*.96*	*12.47*	*107.3*	*26.13*
Logan	28.2	12,175	.96	12.47	107.3	26.13
Kentucky Utilities Co Green River	**468.7**	**11,854**	**2.27**	**8.74**	**105.9**	**25.11**
Kentucky	468.7	11,854	2.27	8.74	105.9	25.11
Butler	263.8	11,610	2.08	8.76	106.9	24.81
Christian	35.4	11,093	1.98	9.77	101.1	22.43
Hopkins	30.6	11,425	1.95	9.34	112.1	25.62
Muhlenberg	2.4	10,615	1.07	15.80	97.1	20.61
Ohio	8.3	11,565	1.95	7.11	104.9	24.26
Webster	128.1	12,711	2.88	8.26	104.2	26.49
Kentucky Utilities Co Brown	**1,419.2**	**11,879**	**2.22**	**12.17**	**111.1**	**26.39**
Kentucky	1,419.2	11,879	2.22	12.17	111.1	26.39
Bell	34.2	12,059	1.48	10.85	110.3	26.60
Jackson	79.2	12,254	2.09	11.45	111.7	27.37
Knott	2.4	12,598	1.13	9.60	120.1	30.26
Laurel	84.2	11,714	2.13	12.47	109.1	25.57
Lawrence	30.6	12,164	1.71	12.83	112.1	27.26
Lee	147.8	11,967	2.14	11.26	114.6	27.42
Letcher	51.8	12,000	1.35	12.31	110.3	26.48
Morgan	23.3	11,992	1.82	11.63	108.5	26.03
Owsley	233.4	11,718	1.84	12.63	106.4	24.94
Perry	196.1	11,967	1.91	12.39	112.5	26.93
Pulaski	81.0	12,027	2.93	12.83	106.9	25.71
Wolfe	455.3	11,778	2.72	12.16	112.8	26.57
Kentucky Utilities Co Ghent	**2,931.8**	**12,300**	**1.47**	**8.57**	**177.2**	**43.60**
Indiana	943.1	11,042	3.09	9.04	135.1	29.83
Warrick	943.1	11,042	3.09	9.04	135.1	29.83
Kentucky	1,549.7	13,089	.72	7.55	213.4	55.86
Daviess	19.8	12,528	.61	10.20	128.6	32.22
Floyd	38.4	11,831	.67	12.11	121.0	28.64
Harlan	.1	13,339	.88	6.60	120.9	32.25
Knott	41.3	12,715	.74	9.06	128.7	32.73
Knox	.3	11,972	.87	9.00	108.7	26.03
Letcher	780.0	13,379	.75	6.49	249.8	66.83
Perry	651.4	12,876	.70	8.32	183.3	47.20
Pike	18.4	12,480	.59	8.78	127.2	31.74
West Virginia	439.0	12,212	.64	11.16	122.5	29.93
Boone	.2	12,608	.64	8.07	150.7	38.00
Logan	171.8	12,064	.65	11.84	121.2	29.24
Mingo	267.0	12,307	.63	10.73	123.4	30.37
Kentucky Utilities Co Tyrone	**55.6**	**12,301**	**.96**	**10.16**	**123.2**	**30.30**
Kentucky	55.6	12,301	.96	10.16	123.2	30.30
Lee	7.4	12,328	1.21	9.25	113.0	27.85
Perry	48.2	12,297	.93	10.31	124.7	30.68
Lakeland City of Plant 3-McIntosh	**261.4**	**12,236**	**1.50**	**10.57**	**213.8**	**52.33**
Kentucky	261.4	12,236	1.50	10.57	213.8	52.33
Leslie	261.4	12,236	1.50	10.57	213.8	52.33
Lansing City of Eckert	**589.7**	**12,943**	**.80**	**7.50**	**197.9**	**51.24**
Kentucky	523.0	12,964	.79	7.37	202.3	52.45
Floyd	243.0	12,916	.81	6.79	214.6	55.45
Pike	280.0	13,006	.78	7.88	191.7	49.86

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Lansing City of Eckert						
Virginia	5.6	12,522	0.76	8.06	164.8	41.27
Buchanan	5.6	12,522	.76	8.06	164.8	41.27
West Virginia	61.1	12,794	.83	8.56	163.1	41.74
Mingo	61.1	12,794	.83	8.56	163.1	41.74
Lansing City of Erickson	**466.5**	**12,955**	**.80**	**7.32**	**201.0**	**52.09**
Kentucky	425.8	12,966	.80	7.25	204.7	53.08
Floyd	173.0	12,939	.81	6.68	217.4	56.25
Pike	252.8	12,985	.79	7.65	196.0	50.90
Virginia	3.7	12,564	.76	8.21	164.8	41.41
Buchanan	3.7	12,564	.76	8.21	164.8	41.41
West Virginia	37.0	12,866	.83	8.07	162.5	41.82
Mingo	37.0	12,866	.83	8.07	162.5	41.82
Lansing City of Ottawa	**32.8**	**13,367**	**.81**	**3.80**	**211.2**	**56.45**
Kentucky	32.8	13,367	.81	3.80	211.2	56.45
Knox	25.2	13,419	.81	3.75	210.2	56.42
Whitley	7.6	13,194	.81	3.96	214.3	56.55
Los Angeles City of Intermountain	**1,427.5**	**11,747**	**.53**	**8.88**	**131.1**	**30.80**
Utah	1,427.5	11,747	.53	8.88	131.1	30.80
Carbon	824.2	11,707	.52	9.05	139.7	32.70
Emery	166.6	12,289	.62	8.93	103.7	25.49
Sevier	436.7	11,617	.52	8.52	125.8	29.23
Louisville Gas & Electric Co Cane Run	**601.3**	**11,163**	**3.31**	**11.64**	**136.2**	**30.41**
Indiana	69.2	10,840	2.83	9.33	105.5	22.87
Warrick	69.2	10,840	2.83	9.33	105.5	22.87
Kentucky	532.1	11,206	3.38	11.94	140.0	31.39
Hopkins	58.7	11,560	3.12	10.11	116.2	26.87
Muhlenberg	473.4	11,162	3.41	12.17	143.1	31.95
Louisville Gas & Electric Co Mill Creek	**3,179.8**	**11,217**	**3.28**	**11.57**	**134.9**	**30.28**
Indiana	25.1	10,803	2.89	9.28	88.3	19.09
Warrick	25.1	10,803	2.89	9.28	88.3	19.09
Kentucky	3,154.7	11,221	3.28	11.59	135.3	30.36
Hopkins	610.9	11,527	3.25	9.95	114.9	26.49
Muhlenberg	2,528.3	11,144	3.30	11.99	140.7	31.35
Ohio	8.8	11,116	2.10	10.75	116.2	25.84
Unknown	6.7	12,312	.74	9.60	73.1	18.00
Lower Colorado River Authority S Seymour-Fayette	**3,186.0**	**8,849**	**.38**	**5.82**	**177.7**	**31.46**
New Mexico	158.0	11,940	.53	15.98	141.6	33.80
Colfax	158.0	11,940	.53	15.98	141.6	33.80
Texas	44.0	6,243	1.32	14.33	188.6	23.55
Bastrop	44.0	6,243	1.32	14.33	188.6	23.55
Wyoming	2,984.0	8,724	.36	5.15	180.2	31.45
Campbell	2,377.0	8,819	.36	5.07	188.0	33.16
Converse	607.0	8,350	.37	5.51	148.1	24.73
Madison Gas & Electric Co Blount	**36.0**	**11,211**	**1.41**	**7.86**	**176.5**	**39.58**
Illinois	3.0	11,421	1.72	6.37	187.2	42.75
Douglas	3.0	11,421	1.72	6.37	187.2	42.75
Indiana	33.0	11,192	1.38	8.00	175.5	39.29
Daviess	18.0	11,203	1.37	8.30	187.5	42.01
Greene	4.0	10,959	1.39	8.27	164.9	36.14
Knox	8.0	11,098	1.52	7.97	159.0	35.29
Spencer	3.0	11,683	1.09	5.90	161.9	37.82
Manitowoc City of Manitowoc	**93.4**	**13,146**	**.93**	**7.18**	**186.1**	**48.93**
Kentucky	92.0	13,144	.92	7.17	185.7	48.82
Martin	4.6	13,317	.75	7.14	168.0	44.75
Pike	84.1	13,121	.92	7.22	185.8	48.75
Unknown	3.3	13,494	.97	6.10	207.8	56.09
Ohio	.7	12,800	2.60	8.80	208.9	53.48
Harrison	.7	12,800	2.60	8.80	208.9	53.48
Pennsylvania	.7	13,650	1.50	6.50	215.6	58.86
Washington	.7	13,650	1.50	6.50	215.6	58.86
Marquette City of Shiras	**131.4**	**9,620**	**.59**	**6.16**	**216.5**	**41.66**
Kentucky	18.9	12,606	1.00	8.16	203.3	51.24
Breathitt	.5	12,603	1.00	8.16	203.3	51.24
Daviess	5.6	12,603	1.00	8.16	203.3	51.24
Floyd	.2	12,840	1.03	7.71	199.5	51.23
Knox	2.6	12,603	1.00	8.16	203.3	51.24
Perry	9.0	12,603	1.00	8.16	203.3	51.24
Pike	1.0	12,603	1.00	8.16	203.3	51.24

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Marquette City of Shiras						
Montana	112.5	9,119	0.52	5.83	219.6	40.05
Big Horn	82.4	9,119	.52	5.83	219.6	40.05
Rosebud	30.1	9,118	.52	5.83	219.7	40.06
Metropolitan Edison Co Portland	**415.5**	**12,851**	**1.93**	**8.07**	**191.3**	**49.17**
Pennsylvania	310.3	12,909	1.95	7.56	195.2	50.40
Clarion	295.6	12,917	1.93	7.42	196.3	50.72
Clearfield	14.7	12,742	2.21	10.30	173.1	44.11
West Virginia	105.2	12,682	1.87	9.59	179.5	45.52
Preston	105.2	12,682	1.87	9.59	179.5	45.52
Metropolitan Edison Co Titus	**375.3**	**13,398**	**1.38**	**6.07**	**171.6**	**45.98**
Pennsylvania	342.3	13,435	1.39	5.83	172.3	46.31
Clarion	.7	13,000	1.80	10.50	154.2	40.09
Clearfield	14.4	13,167	1.54	9.52	156.0	41.08
Greene	312.7	13,459	1.38	5.63	174.0	46.85
Washington	14.5	13,216	1.34	6.18	151.8	40.13
West Virginia	33.0	13,006	1.37	8.60	164.0	42.65
Barbour	7.3	13,005	.92	6.10	163.1	42.42
Preston	12.2	12,946	1.62	8.72	166.9	43.20
Randolph	7.1	13,101	1.25	9.13	154.6	40.51
Upshur	6.4	13,018	1.52	10.63	169.9	44.24
Michigan South Central Pwr Agy Project 1	**91.6**	**11,763**	**3.37**	**10.61**	**192.8**	**45.35**
Ohio	91.6	11,763	3.37	10.61	192.8	45.35
Carroll	91.6	11,763	3.37	10.61	192.8	45.35
Minnesota Power & Light Co Aurora-Syl Laskin	**32.4**	**11,677**	**1.33**	**11.78**	**177.5**	**41.47**
Kentucky	32.0	11,719	1.33	11.79	177.2	41.54
Letcher	5.8	11,801	1.29	12.20	176.0	41.54
Perry	26.2	11,701	1.34	11.70	177.5	41.54
Montana	.4	8,340	1.01	10.80	213.7	35.65
Rosebud	.4	8,340	1.01	10.80	213.7	35.65
Minnesota Power & Light Co Boswell	**2,733.3**	**8,631**	**.76**	**8.22**	**142.4**	**24.58**
Montana	2,594.6	8,636	.78	8.38	142.8	24.66
Rosebud	2,594.6	8,636	.78	8.38	142.8	24.66
Wyoming	138.7	8,528	.49	5.23	135.8	23.16
Campbell	138.7	8,528	.49	5.23	135.8	23.16
Minnkota Power Coop Inc Young	**3,309.7**	**6,750**	**.82**	**7.48**	**55.9**	**7.54**
North Dakota	3,309.7	6,750	.82	7.48	55.9	7.54
Oliver	3,309.7	6,750	.82	7.48	55.9	7.54
Mississippi Power Co Jackson Ct-Daniel	**1,378.9**	**11,898**	**.55**	**7.81**	**312.6**	**74.39**
Colorado	1,047.8	11,700	.54	7.85	322.0	75.34
Gunnison	391.5	11,473	.43	7.78	330.4	75.80
Mesa	656.3	11,836	.61	7.89	317.1	75.06
Utah	226.4	12,126	.52	8.47	330.7	80.21
Carbon	84.9	12,182	.52	8.18	330.8	80.59
Emery	141.5	12,093	.53	8.64	330.7	79.98
West Virginia	104.7	13,380	.72	5.95	195.3	52.25
Boone	104.7	13,380	.72	5.95	195.3	52.25
Mississippi Power Co Watson	**1,998.5**	**12,330**	**2.41**	**8.22**	**180.4**	**44.50**
Alabama	287.1	12,416	2.40	10.79	182.4	45.28
Jefferson	195.0	12,321	2.36	10.58	182.8	45.04
Tuscaloosa	92.2	12,616	2.48	11.23	181.5	45.79
Illinois	335.5	12,199	2.50	8.51	174.8	42.64
Gallatin	9.1	12,292	2.59	8.60	180.9	44.47
Saline	326.4	12,196	2.50	8.51	174.6	42.59
Kentucky	1,003.5	12,325	2.41	7.36	180.3	44.45
Hopkins	522.1	12,254	2.34	6.56	178.0	43.63
Pike	236.3	12,382	2.32	9.62	178.3	44.16
Webster	245.1	12,422	2.63	6.88	187.2	46.50
Ohio	128.3	12,317	2.39	9.69	174.3	42.93
Jackson	128.3	12,317	2.39	9.69	174.3	42.93
Tennessee	74.3	12,810	2.41	9.47	200.7	51.41
Anderson	27.3	12,805	2.36	9.23	200.6	51.37
Scott	47.0	12,813	2.44	9.61	200.7	51.43
West Virginia	169.7	12,272	2.32	6.74	184.4	45.27
Logan	169.7	12,272	2.32	6.74	184.4	45.27
Missouri Public Service Comm Sibley	**790.0**	**10,952**	**3.22**	**10.63**	**179.0**	**39.21**
Illinois	790.0	10,952	3.22	10.63	179.0	39.21
Perry	753.5	10,945	3.23	10.66	180.0	39.40
Randolph	36.5	11,095	3.12	9.97	159.6	35.42

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Monongahela Power Co Albright	**476.3**	**12,297**	**1.50**	**12.43**	**101.4**	**24.95**
Maryland	31.5	12,433	1.57	13.74	99.3	24.69
Allegany	1.5	11,310	1.48	13.00	83.6	18.91
Garrett	30.0	12,489	1.58	13.77	100.0	24.98
West Virginia	444.8	12,287	1.50	12.33	101.6	24.96
Preston	444.8	12,287	1.50	12.33	101.6	24.96
Monongahela Power Co Ft Martin	**2,626.4**	**12,627**	**1.73**	**10.27**	**147.5**	**37.26**
Kentucky	911.9	12,428	.89	9.03	182.6	45.38
Martin	911.9	12,428	.89	9.03	182.6	45.38
Maryland	132.8	13,696	1.11	7.00	149.2	40.87
Garrett	132.8	13,696	1.11	7.00	149.2	40.87
West Virginia	1,581.7	12,652	2.26	11.26	127.5	32.27
Monongalia	1,581.7	12,652	2.26	11.26	127.5	32.27
Monongahela Power Co Harrison	**4,128.0**	**13,100**	**3.04**	**7.92**	**141.8**	**37.14**
West Virginia	4,128.0	13,100	3.04	7.92	141.8	37.14
Harrison	2,871.5	13,076	3.16	8.06	141.2	36.93
Lewis	810.2	13,094	2.78	7.63	145.3	38.06
Marion	446.3	13,268	2.73	7.59	138.7	36.81
Monongahela Power Co Pleasants	**3,033.7**	**12,380**	**2.62**	**12.39**	**123.7**	**30.62**
Kentucky	21.5	12,540	.96	9.40	160.3	40.20
Martin	21.5	12,540	.96	9.40	160.3	40.20
Pennsylvania	56.1	12,130	1.83	13.60	112.4	27.27
Armstrong	8.7	12,460	1.38	11.70	90.2	22.48
Butler	25.8	12,333	1.31	11.85	138.8	34.24
Greene	21.6	11,756	2.63	16.44	88.8	20.88
West Virginia	2,956.1	12,383	2.65	12.39	123.6	30.62
Barbour	771.6	12,084	2.48	13.98	139.7	33.76
Harrison	419.6	12,502	3.20	11.17	124.3	31.07
Lewis	202.5	12,380	3.27	12.88	127.8	31.64
Logan	25.9	11,969	1.60	13.39	94.5	22.62
Marion	325.7	13,034	2.76	8.73	129.4	33.73
Monongalia	908.6	12,429	2.72	12.61	107.4	26.69
Nicholas	196.6	12,065	1.30	13.17	141.6	34.17
Preston	83.8	12,305	2.30	12.90	94.7	23.29
Upshur	21.7	12,717	1.95	9.69	95.1	24.18
Monongahela Power Co Rivesville	**165.5**	**12,423**	**.90**	**11.58**	**114.4**	**28.42**
Kentucky	11.8	12,216	.85	9.62	191.0	46.67
Martin	11.8	12,216	.85	9.62	191.0	46.67
Maryland	.9	13,565	1.09	7.40	149.0	40.42
Garrett	.9	13,565	1.09	7.40	149.0	40.42
West Virginia	152.8	12,433	.90	11.75	108.4	26.95
Barbour	21.0	12,087	.90	14.09	106.6	25.76
Marion	35.2	13,245	.90	7.71	108.5	28.74
Monongalia	16.6	12,162	1.00	12.92	107.4	26.13
Preston	80.1	12,223	.88	12.68	109.0	26.65
Monongahela Power Co Willow Island	**305.4**	**13,016**	**1.34**	**7.67**	**124.5**	**32.41**
Pennsylvania	148.8	12,862	1.32	7.97	121.6	31.27
Fayette	53.0	12,229	1.39	11.29	126.4	30.91
Washington	95.8	13,213	1.28	6.13	119.1	31.47
West Virginia	156.6	13,162	1.35	7.37	127.2	33.49
Barbour	110.4	13,278	1.45	6.65	127.0	33.74
Preston	7.7	12,660	1.38	8.40	116.4	29.47
Taylor	8.5	12,148	1.41	11.30	129.3	31.41
Upshur	29.9	13,152	.98	8.68	130.1	34.22
Montana Power Co Colstrip	**6,916.0**	**8,596**	**.64**	**9.82**	**64.4**	**11.08**
Montana	3,557.0	8,585	.64	9.71	66.2	11.36
Rosebud	3,557.0	8,585	.64	9.71	66.2	11.36
Wyoming	3,359.0	8,608	.65	9.93	62.6	10.78
Carbon	3,359.0	8,608	.65	9.93	62.6	10.78
Montana Power Co Corette	**392.0**	**8,624**	**.73**	**9.12**	**98.8**	**17.05**
Montana	284.0	8,638	.73	8.91	99.6	17.21
Rosebud	284.0	8,638	.73	8.91	99.6	17.21
Wyoming	108.0	8,586	.72	9.67	96.8	16.61
Carbon	108.0	8,586	.72	9.67	96.8	16.61
Montana-Dakota Utilities Co Coyote	**1,874.2**	**6,873**	**.90**	**8.11**	**83.9**	**11.53**
North Dakota	1,874.2	6,873	.90	8.11	83.9	11.53
Mercer	1,480.6	6,877	.89	7.94	84.0	11.55
Oliver	393.5	6,856	.95	8.72	83.5	11.45
Montana-Dakota Utilities Co Heskett	**247.1**	**6,953**	**.73**	**8.00**	**111.2**	**15.46**

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Montana-Dakota Utilities Co Heskett						
North Dakota	247.1	6,953	0.73	8.00	111.2	15.46
Mercer	190.8	6,951	.71	7.98	112.7	15.66
Oliver	56.2	6,959	.79	8.06	106.0	14.76
Montana-Dakota Utilities Co Lewis and Clark	**190.1**	**6,708**	**.57**	**7.43**	**124.0**	**16.63**
Montana	190.1	6,708	.57	7.43	124.0	16.63
Richland	190.1	6,708	.57	7.43	124.0	16.63
Montaup Electric Co Somerset	**389.3**	**13,298**	**1.15**	**6.75**	**189.0**	**50.26**
Virginia	389.3	13,298	1.15	6.75	189.0	50.26
Buchanan	389.3	13,298	1.15	6.75	189.0	50.26
Muscatine City of Muscatine	**484.3**	**11,280**	**3.12**	**6.21**	**191.0**	**43.10**
Illinois	484.3	11,280	3.12	6.21	191.0	43.10
McDonough	386.1	11,334	3.16	5.42	190.1	43.09
Perry	98.2	11,069	2.96	9.30	194.9	43.14
Nebraska Public Power District Gerald Gentleman	**2,944.9**	**8,872**	**.35**	**4.88**	**97.2**	**17.25**
Wyoming	2,944.9	8,872	.35	4.88	97.2	17.25
Campbell	2,944.9	8,872	.35	4.88	97.2	17.25
Nebraska Public Power District Sheldon	**108.5**	**11,184**	**.62**	**6.53**	**190.2**	**42.54**
Colorado	1.5	10,539	.50	8.90	213.5	45.00
Fremont	1.5	10,539	.50	8.90	213.5	45.00
Wyoming	106.9	11,194	.63	6.49	189.9	42.51
Campbell	.5	9,083	.46	5.00	157.8	28.67
Carbon	106.5	11,203	.63	6.50	190.0	42.57
Nevada Power Co Gardner	**1,786.6**	**11,853**	**.53**	**9.11**	**203.5**	**48.25**
Utah	1,786.6	11,853	.53	9.11	203.5	48.25
Carbon	1,786.6	11,853	.53	9.11	203.5	48.25
New England Power Co Brayton	**2,273.9**	**13,227**	**1.17**	**7.85**	**174.4**	**46.14**
Pennsylvania	121.8	13,402	1.24	6.23	170.6	45.72
Washington	121.8	13,402	1.24	6.23	170.6	45.72
Virginia	807.4	13,249	1.21	7.09	188.5	49.95
Buchanan	707.5	13,235	1.22	6.97	189.6	50.19
Wise	99.9	13,345	1.15	7.96	180.8	48.26
West Virginia	1,344.7	13,198	1.13	8.45	166.3	43.89
Barbour	70.9	12,745	1.22	8.78	145.2	37.00
Nicholas	.9	13,381	.92	7.56	151.0	40.41
Preston	252.6	12,990	1.29	8.97	162.2	42.15
Randolph	551.8	13,206	1.15	8.82	163.6	43.22
Upshur	142.9	13,051	1.29	9.81	168.2	43.90
Webster	136.0	13,217	.76	8.67	168.8	44.62
Wyoming	189.4	13,721	1.00	5.38	183.2	50.26
Unknown	.2	13,381	.92	7.56	145.3	38.89
New England Power Co Salem Harbor	**911.4**	**13,218**	**1.20**	**7.61**	**175.0**	**46.25**
Pennsylvania	235.6	13,362	1.27	6.42	179.0	47.85
Washington	235.6	13,362	1.27	6.42	179.0	47.85
Virginia	242.0	13,210	1.22	6.99	191.2	50.51
Buchanan	204.2	13,204	1.20	6.83	192.0	50.70
Wise	37.8	13,239	1.33	7.82	186.9	49.50
West Virginia	433.8	13,144	1.14	8.60	163.6	43.01
Nicholas	24.7	13,107	1.11	8.29	165.8	43.46
Preston	190.8	13,039	1.25	8.79	161.0	41.99
Randolph	144.4	13,294	1.18	8.54	165.7	44.05
Upshur	16.3	13,105	1.11	8.31	160.2	41.98
Webster	57.6	13,141	.74	8.28	167.0	43.89
New York State Elec & Gas Corp Goudey	**278.5**	**12,258**	**1.86**	**13.01**	**159.4**	**39.07**
Pennsylvania	278.5	12,258	1.86	13.01	159.4	39.07
Cambria	7.1	12,432	1.96	12.62	149.2	37.09
Clarion	3.8	12,415	1.93	7.90	145.2	36.05
Clearfield	244.3	12,248	1.87	13.05	161.1	39.46
Fayette	7.5	12,061	1.57	15.16	140.1	33.79
Indiana	15.8	12,390	1.84	12.72	150.1	37.20
New York State Elec & Gas Corp Greenidge	**344.8**	**12,226**	**1.83**	**12.50**	**159.3**	**38.96**
Pennsylvania	344.8	12,226	1.83	12.50	159.3	38.96
Butler	.9	12,842	1.91	6.80	159.8	41.04
Cambria	7.3	12,209	1.97	12.87	146.6	35.79
Clarion	3.7	12,349	2.04	8.00	145.2	35.86
Clearfield	311.6	12,221	1.84	12.49	160.7	39.27
Fayette	7.3	11,995	1.45	15.26	140.1	33.61
Indiana	14.0	12,416	1.81	12.59	150.1	37.28

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		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	**229.3**	**11,119**	**0.83**	**20.98**	**147.3**	**32.74**
Pennsylvania	229.3	11,119	.83	20.98	147.3	32.74
Clinton	5.9	10,537	.60	22.55	137.5	28.97
Lycoming	40.6	11,207	.81	20.72	149.6	33.53
Tioga	182.8	11,118	.85	20.98	147.0	32.69
New York State Elec & Gas Corp Jennison	**163.5**	**11,419**	**.82**	**19.30**	**174.3**	**39.82**
Pennsylvania	163.5	11,419	.82	19.30	174.3	39.82
Lycoming	71.2	11,655	.76	18.21	173.4	40.41
Tioga	92.3	11,238	.88	20.14	175.1	39.36
New York State Elec & Gas Corp Milliken	**633.0**	**11,974**	**1.79**	**14.15**	**171.3**	**41.03**
Pennsylvania	633.0	11,974	1.79	14.15	171.3	41.03
Cambria	64.6	12,081	1.85	15.19	152.1	36.75
Clarion	29.9	12,569	1.55	10.25	149.3	37.53
Clearfield	168.5	12,107	1.80	12.87	164.7	39.87
Elk	7.0	11,720	1.78	12.00	148.8	34.88
Fayette	7.3	11,853	1.32	17.20	146.4	34.71
Indiana	334.3	11,758	1.84	15.39	183.2	43.09
Washington	21.4	13,272	1.31	6.70	151.0	40.08
New York State Elec & Gas Corp Somerset	**1,536.3**	**12,944**	**2.44**	**8.76**	**160.8**	**41.63**
Pennsylvania	63.9	13,201	1.21	6.55	140.1	36.99
Washington	63.9	13,201	1.21	6.55	140.1	36.99
West Virginia	1,472.4	12,933	2.49	8.86	161.7	41.83
Monongalia	1,472.4	12,933	2.49	8.86	161.7	41.83
Niagara-Mohawk Power Corp Dunkirk	**1,127.0**	**12,944**	**1.89**	**8.68**	**154.8**	**40.09**
Pennsylvania	911.0	12,845	1.77	8.91	153.9	39.53
Armstrong	70.0	12,789	2.16	8.61	145.8	37.29
Butler	271.0	12,990	1.49	6.90	145.6	37.82
Centre	7.0	12,895	1.90	10.90	149.6	38.58
Clarion	86.0	12,814	1.88	7.62	140.7	36.05
Clearfield	13.0	12,748	1.52	11.19	145.7	37.15
Elk	23.0	12,663	1.99	10.90	151.0	38.23
Fayette	7.0	13,216	2.05	9.90	137.9	36.45
Greene	37.0	13,286	1.69	7.51	157.5	41.84
Jefferson	397.0	12,727	1.87	10.49	164.4	41.84
West Virginia	216.0	13,365	2.39	7.75	158.8	42.45
Monongalia	216.0	13,365	2.39	7.75	158.8	42.45
Niagara-Mohawk Power Corp Huntley	**1,313.0**	**13,148**	**1.63**	**7.78**	**176.9**	**46.53**
Kentucky	99.0	13,292	1.16	5.20	226.0	60.08
Knott	15.0	13,453	.86	5.40	187.4	50.42
Knox	84.0	13,264	1.21	5.17	233.0	61.81
Ohio	15.0	12,754	1.38	8.11	187.7	47.88
Columbiana	15.0	12,754	1.38	8.11	187.7	47.88
Pennsylvania	1,156.0	13,136	1.66	8.02	173.1	45.47
Armstrong	58.0	12,843	1.75	10.01	154.8	39.77
Butler	158.0	13,063	1.36	6.68	147.3	38.48
Clarion	31.0	12,867	1.89	7.06	138.0	35.51
Clearfield	8.0	13,031	1.39	9.60	154.0	40.14
Fayette	42.0	12,782	1.72	10.47	151.0	38.59
Greene	358.0	13,344	1.65	7.05	164.6	43.94
Jefferson	501.0	13,091	1.73	8.74	193.6	50.70
West Virginia	43.0	13,301	2.01	7.10	162.9	43.34
Monongalia	36.0	13,324	2.07	7.10	159.7	42.54
Upshur	7.0	13,182	1.73	7.10	180.0	47.46
Northern Indiana Pub Serv Co Bailly	**825.6**	**11,361**	**2.90**	**9.34**	**169.5**	**38.51**
Illinois	677.2	11,096	3.00	8.67	172.0	38.18
Douglas	6.9	11,309	2.00	6.90	138.8	31.39
Franklin	65.4	11,534	2.35	7.99	156.0	35.98
Perry	604.9	11,047	3.09	9.88	174.3	38.50
Indiana	46.7	11,074	2.45	9.37	150.8	33.39
Pike	10.2	11,282	3.50	9.00	163.4	36.87
Sullivan	36.5	11,016	2.15	9.47	147.1	32.42
West Virginia	101.7	13,258	2.45	7.16	162.3	43.04
Monongalia	101.7	13,258	2.45	7.16	162.3	43.04
Northern Indiana Pub Serv Co Michigan City	**918.9**	**11,080**	**2.85**	**9.64**	**190.4**	**42.19**
Illinois	748.9	11,023	3.04	9.80	199.7	44.02
Perry	748.9	11,023	3.04	9.80	199.7	44.02
Indiana	142.0	10,998	1.96	9.11	147.4	32.42
Sullivan	142.0	10,998	1.96	9.11	147.4	32.42
West Virginia	28.0	13,017	2.41	8.17	165.2	43.01
Monongalia	28.0	13,017	2.41	8.17	165.2	43.01

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Northern Indiana Pub Serv Co Rollin Schahfer	**1,869.6**	**11,043**	**2.46**	**10.12**	**212.2**	**46.88**
Colorado	325.3	11,461	.49	9.65	291.3	66.76
Delta	325.3	11,461	.49	9.65	291.3	66.76
Illinois	1,342.1	10,904	3.23	10.56	183.4	40.00
Perry	1,342.1	10,904	3.23	10.56	183.4	40.00
Wyoming	202.2	11,297	.55	7.95	267.8	60.52
Carbon	202.2	11,297	.55	7.95	267.8	60.52
Northern States Power Co Black Dog	**49.0**	**8,691**	**.28**	**4.89**	**142.8**	**24.82**
Montana	.8	8,681	.64	9.40	144.1	25.02
Rosebud	.8	8,681	.64	9.40	144.1	25.02
Wyoming	48.2	8,691	.27	4.82	142.7	24.81
Campbell	48.2	8,691	.27	4.82	142.7	24.81
Northern States Power Co High Bridge	**214.2**	**9,823**	**.72**	**6.84**	**133.6**	**26.25**
Indiana	64.3	11,238	1.26	9.22	119.5	26.86
Daviess	64.3	11,238	1.26	9.22	119.5	26.86
Kentucky	28.0	11,391	1.22	12.03	121.9	27.76
Floyd	28.0	11,391	1.22	12.03	121.9	27.76
Montana	2.4	8,631	.68	9.30	137.8	23.79
Rosebud	2.4	8,631	.68	9.30	137.8	23.79
Wyoming	119.5	8,718	.31	4.30	146.9	25.61
Campbell	117.0	8,715	.31	4.29	147.1	25.64
Converse	2.5	8,870	.28	4.70	136.9	24.29
Northern States Power Co King	**1,215.1**	**8,776**	**.31**	**4.95**	**136.1**	**23.90**
Indiana	5.6	11,409	1.42	9.10	134.8	30.76
Unknown	5.6	11,409	1.42	9.10	134.8	30.76
Montana	65.6	8,740	.73	9.33	144.2	25.21
Big Horn	7.4	8,624	.70	9.10	153.7	26.51
Rosebud	58.2	8,755	.73	9.35	143.0	25.04
Wyoming	1,143.9	8,765	.28	4.67	135.7	23.79
Campbell	879.0	8,735	.28	4.66	137.7	24.06
Converse	264.9	8,864	.29	4.74	129.1	22.88
Northern States Power Co Riverside	**351.4**	**8,791**	**.39**	**5.95**	**119.0**	**20.92**
Montana	92.9	8,658	.72	9.39	148.3	25.68
Big Horn	28.3	8,546	.60	9.28	159.7	27.30
Rosebud	64.6	8,707	.77	9.43	143.4	24.97
Wyoming	258.5	8,839	.28	4.72	108.6	19.20
Campbell	63.4	8,697	.27	4.61	114.8	19.96
Converse	195.1	8,885	.28	4.75	106.7	18.96
Northern States Power Co Sherburne County	**4,314.4**	**8,660**	**.61**	**8.23**	**128.2**	**22.20**
Montana	3,381.3	8,637	.69	9.16	130.9	22.62
Big Horn	1,361.1	8,663	.64	8.94	132.1	22.89
Rosebud	2,020.2	8,620	.73	9.30	130.1	22.44
Wyoming	933.1	8,742	.29	4.85	118.2	20.67
Campbell	933.1	8,742	.29	4.85	118.2	20.67
Ohio Edison Co Burger	**1,185.3**	**12,108**	**2.88**	**11.52**	**131.9**	**31.93**
Ohio	1,185.3	12,108	2.88	11.52	131.9	31.93
Belmont	226.9	12,146	3.02	10.49	114.0	27.70
Columbiana	21.2	12,041	3.61	12.51	116.4	28.03
Harrison	384.8	12,232	2.77	11.64	140.5	34.37
Hocking	98.0	11,717	2.78	11.48	108.3	25.38
Jefferson	409.8	12,128	2.78	12.07	141.5	34.33
Perry	9.0	11,625	3.02	10.48	99.3	23.08
Stark	35.6	11,520	4.07	10.20	119.3	27.47
Ohio Edison Co Edgewater	**232.1**	**11,927**	**1.66**	**9.60**	**145.2**	**34.63**
Ohio	232.1	11,927	1.66	9.60	145.2	34.63
Columbiana	30.2	12,159	1.58	9.03	148.2	36.03
Guernsey	7.0	11,882	1.64	9.80	136.8	32.50
Harrison	12.6	12,119	2.94	12.22	138.2	33.51
Jefferson	45.7	11,906	1.60	11.09	147.3	35.07
Mahoning	61.7	12,210	1.35	7.45	146.5	35.77
Stark	3.0	11,594	1.68	8.48	154.0	35.70
Tuscarawas	71.9	11,583	1.77	10.29	143.1	33.14
Ohio Edison Co Gorge Steam	**104.6**	**12,040**	**2.09**	**9.86**	**136.5**	**32.87**
Ohio	104.6	12,040	2.09	9.86	136.5	32.87
Columbiana	24.3	12,308	1.99	9.34	140.3	34.53
Jefferson	49.0	11,869	2.11	10.63	132.7	31.50
Mahoning	18.0	12,342	1.91	9.10	138.1	34.09
Perry	1.0	11,917	2.24	8.04	129.0	30.75
Stark	3.5	12,013	2.23	7.99	140.8	33.84
Tuscarawas	8.8	11,657	2.58	9.55	142.8	33.30

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Ohio Edison Co Niles	**557.5**	**11,809**	**2.97**	**11.79**	**109.4**	**25.84**
Ohio	205.3	11,801	3.07	10.00	114.9	27.13
Columbiana	59.0	11,995	2.58	11.51	109.4	26.24
Mahoning	17.2	12,516	2.25	7.66	115.1	28.81
Stark	78.9	11,697	3.55	9.61	118.4	27.69
Tuscarawas	50.2	11,493	3.18	9.66	116.2	26.70
Pennsylvania	352.2	11,814	2.92	12.82	106.2	25.09
Beaver	28.9	12,053	3.42	10.58	108.5	26.16
Butler	129.4	12,011	3.18	11.66	107.1	25.72
Lawrence	193.9	11,647	2.66	13.94	105.2	24.50
Ohio Edison Co Sammis	**5,682.6**	**12,211**	**1.69**	**11.29**	**135.7**	**33.13**
Kentucky	740.2	11,871	.83	11.17	129.0	30.62
Breathitt	25.6	11,829	.87	10.59	131.0	30.98
Carter	41.5	11,626	.81	10.83	129.7	30.15
Floyd	86.1	11,936	.90	10.81	132.2	31.55
Johnson	180.0	11,993	.74	11.68	127.4	30.56
Lawrence	30.7	11,903	.96	9.56	130.2	31.00
Magoffin	315.5	11,788	.87	10.97	128.5	30.30
Martin	30.7	11,811	.68	13.25	128.1	30.26
Pike	30.1	12,235	.77	11.79	130.9	32.03
Ohio	1,707.3	12,049	2.47	11.09	127.4	30.70
Belmont	16.8	11,714	3.33	14.10	111.0	26.01
Carroll	70.9	11,786	1.30	10.47	132.1	31.13
Columbiana	550.2	12,076	2.38	11.01	119.8	28.93
Harrison	88.3	12,165	2.66	11.66	106.9	26.00
Hocking	7.1	11,561	2.47	11.20	111.1	25.69
Jefferson	765.2	12,180	2.31	11.06	141.3	34.41
Stark	123.9	11,665	3.75	10.84	106.4	24.82
Tuscarawas	84.9	11,452	3.30	11.51	101.3	23.21
Pennsylvania	1,856.0	12,448	1.84	11.53	147.0	36.59
Butler	2.2	12,240	2.09	12.40	98.0	23.99
Fayette	1,853.8	12,448	1.84	11.53	147.0	36.60
West Virginia	1,379.1	12,274	.97	11.30	133.8	32.85
Boone	179.9	12,165	.85	10.96	131.1	31.90
Fayette	28.1	12,625	.82	10.03	122.8	31.00
Kanawha	612.0	12,344	.75	11.08	135.6	33.49
Logan	104.5	11,917	.90	12.16	121.3	28.91
Mingo	43.9	12,219	.74	11.49	126.7	30.95
Monongalia	19.9	12,495	2.44	10.55	110.0	27.49
Nicholas	179.7	12,225	.84	11.41	128.4	31.40
Preston	211.1	12,330	1.79	11.89	146.6	36.16
Ohio Edison Co Toronto	**314.2**	**11,967**	**3.40**	**11.90**	**109.5**	**26.21**
Ohio	314.2	11,967	3.40	11.90	109.5	26.21
Carroll	39.2	11,767	4.37	11.38	109.4	25.74
Columbiana	67.3	11,861	3.07	12.87	108.7	25.77
Jefferson	200.2	12,078	3.31	11.61	110.2	26.61
Mahoning	1.0	11,733	5.05	11.70	93.1	21.85
Stark	6.5	10,884	3.83	14.14	100.6	21.89
Ohio Power Co Gavin	**5,341.9**	**11,294**	**3.39**	**11.37**	**198.3**	**44.79**
Ohio	5,339.3	11,293	3.39	11.37	198.3	44.79
Belmont	106.4	11,403	2.87	14.44	176.9	40.33
Gallia	179.6	11,816	3.55	8.25	168.2	39.74
Jefferson	2.9	11,899	3.38	14.10	131.2	31.22
Lawrence	179.6	11,816	3.55	8.25	168.2	39.74
Meigs	4,870.8	11,252	3.39	11.53	201.2	45.27
West Virginia	2.6	12,605	3.49	8.70	167.4	42.20
Brooke	2.6	12,605	3.49	8.70	167.4	42.20
Ohio Power Co Kammer	**1,820.7**	**11,997**	**4.16**	**13.72**	**132.8**	**31.86**
West Virginia	1,820.7	11,997	4.16	13.72	132.8	31.86
Marshall	1,820.7	11,997	4.16	13.72	132.8	31.86
Ohio Power Co Mitchell	**2,511.2**	**11,895**	**1.42**	**15.86**	**194.3**	**46.23**
West Virginia	2,511.2	11,895	1.42	15.86	194.3	46.23
Barbour	82.5	12,353	1.27	13.30	158.0	39.04
Marion	2,428.7	11,879	1.42	15.95	195.6	46.47
Ohio Power Co Muskingum	**3,330.1**	**11,444**	**4.40**	**11.87**	**165.6**	**37.90**
Ohio	3,330.1	11,444	4.40	11.87	165.6	37.90
Muskingum	1,871.8	11,443	4.39	11.85	166.0	37.99
Noble	1,458.3	11,446	4.40	11.90	165.1	37.79
Ohio Valley Electric Corp Kyger Creek	**3,142.0**	**11,985**	**3.62**	**9.72**	**149.1**	**35.73**

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Ohio Valley Electric Corp Kyger Creek						
Ohio	797.0	11,133	3.46	11.20	110.0	24.48
Hocking	542.0	11,042	3.54	11.61	109.9	24.27
Jackson	69.0	11,411	3.23	9.68	108.5	24.77
Lawrence	43.0	10,994	2.88	11.76	112.0	24.62
Perry	29.0	11,389	3.03	10.60	105.0	23.91
Vinton	114.0	11,387	3.54	10.11	111.7	25.44
West Virginia	2,345.0	12,275	3.68	9.22	161.1	39.55
Harrison	28.0	12,193	3.18	12.81	104.2	25.41
Marshall	2,317.0	12,276	3.68	9.17	161.8	39.73
Oklahoma Gas & Electric Co Muskogee	**3,143.4**	**9,027**	**.38**	**4.93**	**155.6**	**28.09**
Oklahoma	96.2	13,622	1.35	7.70	145.9	39.76
Haskell	93.5	13,634	1.34	7.74	146.4	39.92
Pittsburg	2.6	13,208	1.57	6.49	128.5	33.95
Wyoming	3,047.2	8,882	.35	4.85	156.1	27.72
Campbell	3,047.2	8,882	.35	4.85	156.1	27.72
Oklahoma Gas & Electric Co Sooner	**2,662.8**	**8,924**	**.35**	**4.85**	**164.6**	**29.37**
Oklahoma	20.0	12,914	.60	5.81	164.1	42.38
Haskell	1.1	12,654	.70	6.30	167.7	42.44
Rogers	12.0	12,994	.55	5.65	163.1	42.39
Wyoming	2,642.7	8,894	.35	4.84	164.6	29.28
Campbell	2,642.7	8,894	.35	4.84	164.6	29.28
Omaha Public Power District Nebraska City	**1,228.8**	**8,354**	**.29**	**4.69**	**89.2**	**14.90**
Wyoming	1,228.8	8,354	.29	4.69	89.2	14.90
Campbell	1,111.9	8,298	.29	4.69	91.6	15.21
Converse	116.9	8,879	.29	4.70	67.4	11.96
Omaha Public Power District North Omaha	**1,035.0**	**8,261**	**.29**	**4.76**	**92.2**	**15.24**
Wyoming	1,035.0	8,261	.29	4.76	92.2	15.24
Campbell	1,035.0	8,261	.29	4.76	92.2	15.24
Otter Tail Power Co Big Stone	**1,866.0**	**6,085**	**.93**	**8.09**	**124.1**	**15.10**
North Dakota	1,866.0	6,085	.93	8.09	124.1	15.10
Bowman	1,866.0	6,085	.93	8.09	124.1	15.10
Otter Tail Power Co Hoot Lake	**228.0**	**6,893**	**.82**	**7.57**	**175.7**	**24.22**
North Dakota	228.0	6,893	.82	7.57	175.7	24.22
Mercer	97.0	6,918	.79	7.35	176.0	24.35
Oliver	131.0	6,874	.85	7.72	175.5	24.13
Owensboro City of Smith	**813.1**	**10,839**	**2.94**	**11.70**	**156.4**	**33.90**
Kentucky	813.1	10,839	2.94	11.70	156.4	33.90
Daviess	665.2	10,837	2.93	11.70	156.4	33.90
Hancock	147.9	10,848	2.96	11.71	156.2	33.90
Pacific Power & Light Co Centralia	**4,659.0**	**8,100**	**.69**	**14.64**	**168.6**	**27.31**
Washington	4,659.0	8,100	.69	14.64	168.6	27.31
Lewis	2,136.5	8,100	.68	14.61	167.1	27.08
Thurston	2,522.5	8,100	.70	14.65	169.8	27.50
Pacific Power & Light Co Jim Bridger	**6,631.0**	**9,491**	**.58**	**10.44**	**110.4**	**20.96**
Wyoming	6,631.0	9,491	.58	10.44	110.4	20.96
Sweetwater	6,631.0	9,491	.58	10.44	110.4	20.96
Pacific Power & Light Co Johnston	**3,091.0**	**7,555**	**.44**	**10.31**	**85.2**	**12.87**
Wyoming	3,091.0	7,555	.44	10.31	85.2	12.87
Campbell	40.0	8,800	.24	4.50	69.2	12.18
Converse	3,051.0	7,539	.44	10.39	85.4	12.88
Pacific Power & Light Co Wyodak	**1,470.0**	**8,082**	**.58**	**6.90**	**49.6**	**8.02**
Wyoming	1,470.0	8,082	.58	6.90	49.6	8.02
Campbell	1,470.0	8,082	.58	6.90	49.6	8.02
Painesville City of Painesville	**70.3**	**12,253**	**2.30**	**7.78**	**135.2**	**33.13**
Ohio	70.3	12,253	2.30	7.78	135.2	33.13
Mahoning	70.3	12,253	2.30	7.78	135.2	33.13
Pennsylvania Electric Co Conemaugh	**4,250.0**	**12,405**	**2.30**	**14.85**	**145.8**	**36.18**
Pennsylvania	4,250.0	12,405	2.30	14.85	145.8	36.18
Cambria	3.0	12,706	1.76	9.40	112.7	28.64
Fayette	3.0	12,046	2.12	14.50	107.0	25.78
Indiana	4,239.0	12,406	2.30	14.86	145.9	36.21
Somerset	5.0	12,112	2.13	13.52	110.5	26.76
Pennsylvania Electric Co Front St	**197.0**	**12,433**	**1.77**	**10.26**	**138.5**	**34.43**

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Pennsylvania Electric Co Front St						
Pennsylvania	197.0	12,433	1.77	10.26	138.5	34.43
Armstrong	26.0	12,309	1.77	10.08	135.6	33.38
Butler	35.0	12,220	1.95	9.80	137.0	33.49
Clearfield	60.0	12,675	1.62	10.65	143.1	36.29
Elk	26.0	12,577	1.83	9.20	133.0	33.44
Jefferson	40.0	12,209	1.84	11.24	140.7	34.35
Mercer	10.0	12,572	1.55	8.90	127.9	32.16
Pennsylvania Electric Co Homer City	**4,336.0**	**11,581**	**1.83**	**18.99**	**142.1**	**32.91**
Pennsylvania	4,336.0	11,581	1.83	18.99	142.1	32.91
Butler	5.0	12,003	.83	11.50	127.0	30.49
Cambria	336.0	11,931	.96	15.14	145.2	34.65
Clearfield	10.0	12,462	.72	8.62	142.6	35.54
Fayette	100.0	12,174	.79	11.67	157.0	38.23
Indiana	3,080.0	11,344	2.19	21.48	140.0	31.76
Jefferson	18.0	12,132	.86	11.33	129.3	31.37
Somerset	755.0	12,265	.98	12.22	147.3	36.12
Westmoreland	32.0	12,198	.83	10.72	133.0	32.45
Pennsylvania Electric Co Keystone	**4,583.0**	**12,322**	**1.56**	**14.61**	**126.7**	**31.22**
Pennsylvania	4,583.0	12,322	1.56	14.61	126.7	31.22
Armstrong	2,749.0	12,322	1.56	14.61	126.7	31.22
Indiana	1,834.0	12,322	1.56	14.61	126.7	31.22
Pennsylvania Electric Co Seward	**515.0**	**12,162**	**1.48**	**13.83**	**108.6**	**26.43**
Pennsylvania	515.0	12,162	1.48	13.83	108.6	26.43
Armstrong	14.0	12,063	1.45	13.86	110.1	26.55
Cambria	16.0	12,072	1.54	12.73	120.0	28.98
Clearfield	7.0	11,782	1.51	13.70	104.0	24.51
Indiana	71.0	12,083	1.51	14.04	106.1	25.63
Jefferson	32.0	12,204	1.38	12.16	109.4	26.70
Somerset	239.0	12,187	1.47	13.90	109.5	26.69
Washington	9.0	12,121	1.57	14.60	104.4	25.31
Westmoreland	127.0	12,193	1.47	14.09	107.2	26.14
Pennsylvania Electric Co Shawville	**1,617.0**	**12,245**	**1.95**	**13.28**	**120.4**	**29.48**
Pennsylvania	1,617.0	12,245	1.95	13.28	120.4	29.48
Armstrong	2.0	12,407	1.29	12.30	102.1	25.34
Centre	10.0	12,165	1.91	13.15	101.7	24.74
Clearfield	1,595.0	12,247	1.95	13.28	120.6	29.55
Jefferson	9.0	11,813	1.94	13.58	101.8	24.05
Somerset	1.0	12,064	2.37	13.10	103.0	24.85
Pennsylvania Electric Co Warren	**207.0**	**12,142**	**1.65**	**12.24**	**121.9**	**29.60**
Pennsylvania	207.0	12,142	1.65	12.24	121.9	29.60
Armstrong	49.0	12,027	1.50	13.61	120.1	28.88
Clarion	6.0	12,133	1.67	9.97	117.3	28.46
Clearfield	44.0	12,605	1.61	11.28	128.5	32.40
Elk	4.0	12,145	1.42	13.30	118.7	28.83
Jefferson	104.0	12,001	1.74	12.09	120.2	28.84
Pennsylvania Power & Light Co Martins Creek	**756.0**	**12,746**	**1.96**	**12.27**	**193.4**	**49.31**
Pennsylvania	756.0	12,746	1.96	12.27	193.4	49.31
Cambria	10.0	12,702	1.71	12.40	146.9	37.32
Indiana	736.0	12,738	1.96	12.32	194.4	49.53
Jefferson	10.0	13,373	1.83	8.50	168.5	45.07
Pennsylvania Power & Light Co Montour	**3,513.0**	**12,598**	**1.54**	**12.78**	**168.1**	**42.35**
Pennsylvania	3,513.0	12,598	1.54	12.78	168.1	42.35
Cambria	1,628.0	12,569	1.38	13.23	189.6	47.67
Centre	20.0	12,702	2.08	11.95	130.8	33.24
Clearfield	1,620.0	12,635	1.66	12.36	149.2	37.70
Indiana	170.0	12,448	1.77	13.13	159.7	39.77
Jefferson	75.0	12,731	1.95	11.62	139.6	35.55
Pennsylvania Power & Light Co Brunner Island	**3,521.0**	**12,523**	**1.86**	**12.86**	**174.5**	**43.70**
Pennsylvania	3,521.0	12,523	1.86	12.86	174.5	43.70
Cambria	145.0	12,562	1.96	12.07	142.9	35.91
Centre	19.0	12,654	1.81	10.02	144.8	36.66
Clearfield	1,778.0	12,519	1.98	13.15	172.5	43.20
Indiana	1,529.0	12,518	1.71	12.70	181.2	45.36
Jefferson	50.0	12,648	1.84	10.98	142.6	36.07
Pennsylvania Power & Light Co Holtwood	**113.0**	**8,389**	**.60**	**29.85**	**107.5**	**18.04**
Pennsylvania	113.0	8,389	.60	29.85	107.5	18.04
Bedford	1.0	13,215	1.99	10.40	139.9	36.98
Carbon	17.0	7,009	.51	37.19	91.8	12.87

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Pennsylvania Power & Light Co Holtwood						
Pennsylvania						
Dauphin	8.0	9,110	0.65	27.51	117.9	21.48
Northumberland	2.0	11,334	.74	16.05	152.2	34.50
Schuylkill	82.0	8,399	.60	29.70	105.4	17.70
Unknown	3.0	10,421	.42	14.30	144.9	30.20
Pennsylvania Power & Light Co Sunbury	**1,130.0**	**10,789**	**1.42**	**20.18**	**126.6**	**27.32**
Pennsylvania	1,130.0	10,789	1.42	20.18	126.6	27.32
Bedford	72.0	12,723	1.91	13.47	131.5	33.46
Carbon	42.0	6,833	.50	38.32	74.8	10.22
Centre	86.0	12,819	2.02	12.18	132.9	34.08
Clearfield	506.0	12,639	1.91	11.14	151.4	38.28
Dauphin	3.0	8,330	.53	29.23	57.6	9.59
Fulton	18.0	12,944	2.18	13.36	129.8	33.61
Jefferson	7.0	12,635	1.68	12.81	141.5	35.75
Lycoming	9.0	12,635	.86	13.61	120.9	30.56
Northumberland	82.0	7,197	.68	38.05	56.9	8.19
Schuylkill	291.0	7,866	.61	32.83	77.9	12.26
Somerset	8.0	12,741	1.84	12.64	129.5	33.00
Sullivan	6.0	8,195	.54	37.77	66.1	10.84
Pennsylvania Power Co New Castle	**910.6**	**12,319**	**1.37**	**9.52**	**128.3**	**31.60**
Ohio	96.8	12,304	1.50	9.02	122.2	30.07
Columbiana	96.8	12,304	1.50	9.02	122.2	30.07
Pennsylvania	813.8	12,321	1.35	9.58	129.0	31.79
Armstrong	282.9	12,262	1.30	10.28	144.5	35.44
Butler	285.5	12,325	1.38	9.37	122.4	30.18
Clarion	16.7	12,289	1.40	8.69	120.4	29.59
Jefferson	7.1	12,265	1.36	9.72	118.6	29.09
Lawrence	156.0	12,425	1.32	8.90	118.3	29.39
Mercer	59.1	12,350	1.47	9.07	119.7	29.56
Washington	.5	11,964	1.49	13.20	121.0	28.95
Westmoreland	6.0	12,083	1.49	10.72	121.8	29.45
Pennsylvania Power Co Bruce Mansfield	**6,558.5**	**12,086**	**3.72**	**11.93**	**157.9**	**38.16**
Ohio	4,619.5	12,041	4.04	11.82	179.2	43.16
Belmont	261.0	11,943	3.86	12.10	102.4	24.46
Carroll	73.0	11,795	4.46	10.72	110.0	25.95
Columbiana	121.0	11,771	2.85	12.42	104.4	24.58
Hocking	114.0	11,561	2.86	11.86	110.9	25.65
Jefferson	253.0	11,691	3.96	12.16	109.4	25.58
Mahoning	141.0	11,650	3.62	13.10	99.2	23.10
Monroe	3,601.0	12,126	4.15	11.71	199.4	48.36
Stark	37.0	11,569	3.40	12.79	103.8	24.01
Tuscarawas	18.5	11,148	3.51	11.25	105.6	23.55
Pennsylvania	1,460.0	12,053	3.00	12.80	107.4	25.90
Allegheny	2.0	11,983	1.74	11.25	94.2	22.56
Beaver	12.0	12,164	2.95	11.77	104.3	25.38
Butler	393.0	11,876	3.31	12.23	106.0	25.17
Fayette	536.0	12,228	2.55	12.63	111.6	27.29
Lawrence	81.0	11,871	4.35	13.80	107.6	25.55
Mercer	45.0	11,753	2.72	12.25	96.6	22.72
Somerset	97.0	12,292	2.94	14.20	99.2	24.38
Washington	294.0	11,983	3.07	13.30	106.3	25.46
West Virginia	479.0	12,625	2.88	10.43	108.1	27.29
Harrison	18.0	12,399	3.91	10.88	97.9	24.28
Marshall	185.0	12,391	2.72	11.86	108.8	26.96
Monongalia	276.0	12,797	2.92	9.44	108.3	27.71
Philadelphia Electric Co Cromby	**150.0**	**12,947**	**1.69**	**7.65**	**152.3**	**39.44**
Pennsylvania	142.0	12,918	1.69	7.70	151.3	39.10
Clarion	101.0	12,764	1.79	7.91	150.9	38.53
Clearfield	7.0	13,170	1.43	9.80	157.4	41.46
Greene	7.0	13,251	1.74	6.65	150.3	39.83
Washington	27.0	13,341	1.38	6.66	151.6	40.44
West Virginia	8.0	13,466	1.67	6.77	168.6	45.42
Monongalia	8.0	13,466	1.67	6.77	168.6	45.42
Philadelphia Electric Co Eddystone	**435.0**	**13,092**	**1.46**	**7.54**	**155.6**	**40.74**
Pennsylvania	298.0	13,068	1.53	7.22	153.3	40.07
Butler	5.0	12,328	2.20	9.92	159.9	39.42
Clarion	104.0	12,724	1.86	7.83	154.3	39.26
Clearfield	7.0	12,869	1.91	8.33	163.5	42.08
Greene	7.0	13,307	1.70	8.40	160.0	42.58
Washington	175.0	13,292	1.30	6.68	152.0	40.39

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Philadelphia Electric Co Eddystone						
West Virginia	137.0	13,146	1.32	8.24	160.5	42.19
Barbour	18.0	12,843	1.61	10.13	153.5	39.44
Braxton	37.0	13,249	.93	6.52	167.7	44.42
Harrison	9.0	12,765	2.09	7.46	162.5	41.48
Preston	43.0	13,198	1.31	8.91	160.8	42.44
Randolph	15.0	13,377	1.41	8.49	148.0	39.60
Upshur	15.0	13,102	1.38	8.56	161.4	42.28
Plains Elec Gen&Trans Coop Inc Escalante	**605.0**	**9,478**	**.77**	**13.91**	**164.5**	**31.18**
New Mexico	605.0	9,478	.77	13.91	164.5	31.18
Mckinley	605.0	9,478	.77	13.91	164.5	31.18
Platte River Power Authority Rawhide	**1,045.9**	**8,845**	**.26**	**4.77**	**106.9**	**18.90**
Wyoming	1,045.9	8,845	.26	4.77	106.9	18.90
Converse	1,045.9	8,845	.26	4.77	106.9	18.90
Potomac Edison Co Smith	**163.8**	**12,536**	**.93**	**11.45**	**126.2**	**31.63**
Maryland	161.9	12,542	.93	11.42	126.3	31.67
Allegany	132.3	12,334	.91	12.13	118.9	29.33
Garrett	29.7	13,470	1.05	8.24	156.2	42.08
Pennsylvania	1.9	12,056	.97	14.64	118.9	28.67
Somerset	1.9	12,056	.97	14.64	118.9	28.67
Potomac Electric Power Co Chalk	**1,146.9**	**12,595**	**1.56**	**11.92**	**166.7**	**41.98**
Maryland	279.3	12,692	1.47	12.02	162.0	41.12
Allegany	14.3	12,392	1.39	12.85	154.0	38.17
Garrett	265.0	12,709	1.47	11.97	162.4	41.28
Pennsylvania	848.0	12,549	1.60	11.92	168.9	42.39
Cambria	320.0	12,514	1.72	12.11	171.8	43.01
Clearfield	388.0	12,572	1.56	11.67	170.7	42.91
Somerset	140.0	12,566	1.43	12.20	157.4	39.56
West Virginia	19.6	13,179	1.49	10.18	139.0	36.63
Grant	19.5	13,182	1.48	10.18	139.0	36.64
Monongalia	.1	12,548	1.80	10.00	143.6	36.04
Potomac Electric Power Co Dickerson	**1,200.5**	**12,660**	**1.39**	**10.52**	**153.1**	**38.76**
Pennsylvania	7.0	12,756	1.40	12.26	141.2	36.02
Somerset	7.0	12,756	1.40	12.26	141.2	36.02
West Virginia	1,193.5	12,659	1.39	10.51	153.1	38.77
Preston	1,153.4	12,665	1.41	10.42	153.6	38.91
Randolph	40.1	12,498	1.08	13.10	139.6	34.89
Potomac Electric Power Co Morgantown	**2,586.4**	**12,529**	**1.70**	**11.88**	**168.0**	**42.11**
Maryland	692.7	12,655	1.66	11.84	166.8	42.21
Allegany	42.6	12,241	1.91	13.27	157.0	38.44
Garrett	650.1	12,682	1.64	11.74	167.4	42.46
Pennsylvania	1,845.2	12,472	1.73	11.94	169.2	42.20
Cambria	697.0	12,517	1.81	11.77	172.0	43.05
Clearfield	646.2	12,451	1.72	11.67	173.4	43.19
Somerset	502.0	12,437	1.63	12.54	159.8	39.75
West Virginia	48.5	12,891	1.44	10.03	143.4	36.96
Grant	41.5	12,949	1.38	10.04	143.4	37.14
Monongalia	7.0	12,548	1.80	10.00	143.1	35.91
Potomac Electric Power Co Potomac River	**830.6**	**13,000**	**.85**	**8.06**	**178.2**	**46.34**
Kentucky	139.5	12,956	.83	7.97	172.5	44.71
Floyd	48.0	13,005	.88	6.14	184.5	47.98
Pike	91.5	12,930	.81	8.94	166.3	42.99
Virginia	585.0	13,026	.87	7.90	180.2	46.95
Lee	164.0	12,816	.88	7.30	185.3	47.50
Russell	3.0	12,586	.80	9.97	167.8	42.25
Wise	418.0	13,112	.86	8.12	178.4	46.77
West Virginia	106.1	12,917	.79	9.02	174.7	45.14
Boone	35.0	13,298	.68	6.28	179.5	47.73
Fayette	49.1	12,646	.84	10.83	173.0	43.75
Kanawha	3.0	13,319	.77	8.50	172.5	45.95
Logan	11.0	12,834	.78	8.75	170.0	43.64
Mcdowell	2.0	13,197	.92	9.40	165.7	43.73
Mingo	6.0	12,768	.93	10.78	172.9	44.15
Public Service Co of Colorado Comanche	**2,027.7**	**8,477**	**.33**	**4.71**	**123.2**	**20.88**
Wyoming	2,027.7	8,477	.33	4.71	123.2	20.88
Campbell	2,027.7	8,477	.33	4.71	123.2	20.88
Public Service Co of Colorado Pawnee	**1,993.0**	**8,365**	**.33**	**4.67**	**113.1**	**18.92**

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Public Service Co of Colorado Pawnee						
Wyoming	1,993.0	8,365	0.33	4.67	113.1	18.92
Campbell	1,993.0	8,365	.33	4.67	113.1	18.92
Public Service Co of Colorado Valmont	**397.3**	**10,809**	**.40**	**8.04**	**145.7**	**31.50**
Colorado	394.1	10,813	.40	8.06	145.9	31.56
Gunnison	15.1	11,586	.41	7.49	166.1	38.49
Jackson	137.7	10,512	.28	5.71	119.9	25.21
Moffat	5.0	10,744	.34	6.77	163.7	35.18
Routt	236.3	10,940	.47	9.50	158.8	34.74
Wyoming	3.3	10,324	.28	5.13	118.8	24.53
Carbon	3.3	10,324	.28	5.13	118.8	24.53
Public Service Co of Colorado Cameo	**126.9**	**11,504**	**.44**	**8.28**	**136.5**	**31.41**
Colorado	104.1	11,468	.43	7.96	136.9	31.40
Gunnison	104.1	11,468	.43	7.96	136.9	31.40
Utah	22.8	11,669	.52	9.77	134.7	31.44
Carbon	22.8	11,669	.52	9.77	134.7	31.44
Public Service Co of Colorado Cherokee	**1,441.4**	**10,924**	**.45**	**9.15**	**136.0**	**29.72**
Colorado	1,441.4	10,924	.45	9.15	136.0	29.72
Moffat	217.1	10,656	.34	7.99	140.2	29.88
Routt	1,224.3	10,972	.47	9.35	135.3	29.69
Public Service Co of Colorado Araphoe	**184.5**	**11,043**	**.45**	**9.02**	**152.1**	**33.59**
Colorado	181.1	11,029	.45	9.00	151.9	33.51
Gunnison	40.4	11,511	.43	7.81	158.4	36.47
Moffat	14.5	10,672	.33	7.43	151.8	32.40
Routt	126.2	10,916	.47	9.56	149.7	32.69
Utah	3.4	11,768	.53	10.01	161.2	37.94
Carbon	3.4	11,768	.53	10.01	161.2	37.94
Public Service Co of IN Inc Gibson Station	**7,006.6**	**10,727**	**2.42**	**10.27**	**154.1**	**33.07**
Illinois	6,230.8	10,635	2.39	10.60	153.8	32.72
Clinton	3,337.1	10,580	3.13	8.98	152.7	32.32
Wabash	2,893.7	10,699	1.53	12.46	155.1	33.19
Indiana	775.8	11,461	2.68	7.66	156.3	35.82
Pike	775.8	11,461	2.68	7.66	156.3	35.82
Public Service Co of IN Inc Gallagher	**780.2**	**11,410**	**3.08**	**9.97**	**140.9**	**32.15**
Illinois	212.7	11,921	2.89	10.78	137.9	32.88
Gallatin	94.7	12,524	3.06	9.95	134.2	33.62
Williamson	118.0	11,437	2.76	11.44	141.2	32.29
Indiana	474.6	11,024	3.09	9.23	144.8	31.93
Warrick	474.6	11,024	3.09	9.23	144.8	31.93
Kentucky	92.9	12,212	3.48	11.94	129.4	31.60
Ohio	2.1	8,947	2.06	12.40	92.2	16.50
Union	90.8	12,288	3.51	11.93	130.0	31.95
Public Service Co of IN Inc Cayuga	**2,442.8**	**10,414**	**2.42**	**12.36**	**134.0**	**27.91**
Indiana	2,442.8	10,414	2.42	12.36	134.0	27.91
Vermillion	2,442.8	10,414	2.42	12.36	134.0	27.91
Public Service Co of IN Inc Edwardsport	**30.9**	**10,939**	**2.53**	**9.50**	**121.4**	**26.57**
Indiana	30.9	10,939	2.53	9.50	121.4	26.57
Knox	30.9	10,939	2.53	9.50	121.4	26.57
Public Service Co of IN Inc Wabash River	**884.8**	**10,937**	**2.13**	**10.32**	**138.4**	**30.27**
Indiana	884.8	10,937	2.13	10.32	138.4	30.27
Daviess	67.4	11,180	2.25	10.22	131.8	29.47
Sullivan	817.4	10,917	2.13	10.33	138.9	30.33
Public Service Co of IN Inc Noblesville	**4.9**	**10,940**	**4.09**	**12.70**	**130.5**	**28.55**
Indiana	4.9	10,940	4.09	12.70	130.5	28.55
Vigo	4.9	10,940	4.09	12.70	130.5	28.55
Public Service Co of NH Merrimack	**798.5**	**13,518**	**2.23**	**7.28**	**194.9**	**52.69**
Kentucky	80.1	13,527	1.26	4.82	223.6	60.50
Knott	7.4	13,598	.87	3.80	219.0	59.56
Knox	16.9	13,193	1.08	5.46	249.2	65.75
Perry	55.8	13,619	1.37	4.75	216.7	59.04
West Virginia	718.4	13,517	2.34	7.55	191.7	51.82
Marion	718.4	13,517	2.34	7.55	191.7	51.82
Public Service Co of NH Schiller	**153.8**	**13,058**	**1.00**	**8.24**	**221.2**	**57.77**
Virginia	143.6	13,007	1.00	8.38	222.9	57.99
Dickenson	57.8	12,983	1.00	8.80	222.2	57.71
Wise	85.8	13,024	1.00	8.09	223.3	58.18

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Public Service Co of NH Schiller						
West Virginia	10.2	13,765	0.98	6.36	198.6	54.66
Raleigh	8.2	13,897	1.01	5.82	192.0	53.36
Webster	2.0	13,225	.86	8.59	226.8	59.99
Public Service Co of NM San Juan	**5,876.2**	**9,456**	**.79**	**20.68**	**132.5**	**25.06**
New Mexico	5,876.2	9,456	.79	20.68	132.5	25.06
San Juan	5,876.2	9,456	.79	20.68	132.5	25.06
Public Service Co of Oklahoma Northeastern	**2,921.0**	**8,352**	**.43**	**5.98**	**194.1**	**32.42**
Oklahoma	56.0	12,761	.56	6.91	182.3	46.51
Rogers	56.0	12,761	.56	6.91	182.3	46.51
Wyoming	2,865.0	8,265	.43	5.96	194.5	32.15
Campbell	2,865.0	8,265	.43	5.96	194.5	32.15
Public Service Electric&Gas Co Hudson	**972.6**	**13,224**	**.97**	**7.99**	**172.6**	**45.65**
Virginia	24.0	13,199	.95	6.27	226.6	59.82
Buchanan	24.0	13,199	.95	6.27	226.6	59.82
West Virginia	948.6	13,224	.97	8.04	171.2	45.29
Barbour	13.5	13,022	1.39	9.30	154.6	40.26
Nicholas	143.8	13,157	.90	8.11	167.2	44.00
Preston	130.5	13,078	1.01	8.49	204.3	53.44
Randolph	359.2	13,358	1.10	7.94	165.0	44.09
Webster	301.6	13,169	.80	7.86	167.2	44.04
Public Service Electric&Gas Co Mercer	**788.1**	**13,476**	**1.04**	**6.45**	**194.6**	**52.46**
Virginia	530.1	13,545	1.04	6.03	198.9	53.87
Buchanan	307.8	13,488	1.16	5.94	208.0	56.10
Dickenson	.9	13,631	1.24	6.70	199.3	54.33
Russell	75.6	13,792	.82	6.67	188.3	51.94
Tazewell	70.0	13,435	.85	6.26	187.5	50.39
Wise	75.8	13,631	.93	5.58	183.2	49.93
West Virginia	258.0	13,333	1.05	7.31	185.8	49.56
Greenbrier	6.9	13,334	1.29	6.70	171.9	45.84
Mcdowell	7.3	13,791	.85	6.58	185.3	51.10
Upshur	183.8	13,207	.98	8.11	188.9	49.90
Wyoming	60.0	13,663	1.27	5.00	178.4	48.75
Richmond City of Whitewater	**191.7**	**11,099**	**2.15**	**10.72**	**174.3**	**38.70**
Indiana	171.0	11,017	2.03	10.79	180.1	39.69
Daviess	88.1	11,039	2.00	10.80	179.4	39.61
Greene	82.9	10,994	2.05	10.79	180.8	39.76
Kentucky	3.2	12,217	.85	10.33	139.2	34.01
Perry	3.2	12,217	.85	10.33	139.2	34.01
Ohio	17.6	11,697	3.59	10.13	128.2	29.99
Coshocton	13.6	11,735	3.76	10.26	131.9	30.96
Perry	4.0	11,566	3.02	9.67	115.3	26.66
Rochester City of Silver Lake	**112.7**	**12,250**	**1.62**	**7.06**	**210.8**	**51.64**
Illinois	112.7	12,250	1.62	7.06	210.8	51.64
Hamilton	17.3	12,000	1.00	5.50	213.8	51.31
Saline	95.4	12,295	1.74	7.34	210.2	51.70
Rochester City of Rochester 3	**135.9**	**13,151**	**2.37**	**7.98**	**176.3**	**46.36**
Ohio	4.8	12,710	2.13	7.50	170.1	43.24
Columbiana	4.8	12,710	2.13	7.50	170.1	43.24
Pennsylvania	44.9	12,924	1.92	8.50	174.2	45.03
Armstrong	6.9	12,485	2.02	11.81	174.4	43.54
Butler	7.7	12,690	2.10	8.70	169.2	42.94
Clearfield	14.6	12,911	1.99	9.75	174.4	45.03
Greene	14.6	13,275	1.73	5.50	176.3	46.82
Indiana	1.1	12,840	1.44	9.70	176.0	45.20
West Virginia	86.2	13,294	2.63	7.73	177.6	47.23
Marion	28.4	13,389	2.46	7.45	189.3	50.68
Monongalia	57.8	13,247	2.71	7.87	171.9	45.54
Rochester City of Rochester 7	**411.9**	**13,066**	**2.26**	**7.84**	**176.1**	**46.03**
Ohio	4.9	12,210	2.09	8.40	160.7	39.24
Stark	4.9	12,210	2.09	8.40	160.7	39.24
Pennsylvania	217.1	12,909	1.97	8.21	175.0	45.17
Armstrong	23.7	12,574	1.99	11.13	173.7	43.67
Butler	42.8	12,524	2.36	9.13	171.9	43.06
Clarion	3.9	13,000	2.14	8.50	161.7	42.04
Clearfield	48.5	12,850	2.25	10.03	175.5	45.12
Greene	87.1	13,252	1.63	5.70	176.4	46.76
Indiana	7.6	12,628	1.99	9.96	180.2	45.52
Jefferson	3.5	12,640	1.84	10.30	177.9	44.97

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Rochester City of Rochester 7						
West Virginia	189.9	13,268	2.59	7.40	177.8	47.19
Marion	83.1	13,384	2.49	7.30	188.3	50.41
Monongalia	106.8	13,179	2.68	7.49	169.5	44.68
Salt River Proj Ag I & P Dist Coronado	**1,992.1**	**10,337**	**.53**	**14.56**	**219.9**	**45.46**
New Mexico	1,992.1	10,337	.53	14.56	219.9	45.46
Colfax	454.6	11,978	.55	15.52	230.6	55.25
Mckinley	1,537.5	9,852	.53	14.28	216.0	42.56
Salt River Proj Ag I & P Dist Navajo	**6,628.2**	**11,034**	**.50**	**8.68**	**88.9**	**19.61**
Arizona	6,628.2	11,034	.50	8.68	88.9	19.61
Navajo	6,628.2	11,034	.50	8.68	88.9	19.61
San Antonio City of J T Deely	**2,812.5**	**8,273**	**.41**	**5.89**	**172.6**	**28.56**
Wyoming	2,812.5	8,273	.41	5.89	172.6	28.56
Campbell	2,812.5	8,273	.41	5.89	172.6	28.56
San Miguel Electric Coop Inc San Miguel	**2,364.9**	**5,362**	**1.80**	**24.84**	**119.2**	**12.78**
Texas	2,364.9	5,362	1.80	24.84	119.2	12.78
Atascosa	2,364.9	5,362	1.80	24.84	119.2	12.78
Savannah Electric & Power Inc Mcintosh	**414.8**	**12,889**	**.89**	**8.45**	**168.4**	**43.41**
Kentucky	166.0	12,878	.94	7.53	167.1	43.03
Floyd	7.6	12,921	.91	5.70	165.8	42.85
Harlan	105.0	12,885	.86	8.35	168.0	43.29
Letcher	52.5	12,847	1.10	6.16	165.5	42.52
Pike	1.0	13,523	1.23	6.60	166.4	45.00
Virginia	248.7	12,896	.86	9.07	169.3	43.66
Dickenson	143.6	13,202	.97	9.00	167.8	44.32
Lee	105.2	12,479	.70	9.15	171.4	42.78
Savannah Electric & Power Inc Port Wentworth	**443.5**	**12,974**	**.83**	**9.11**	**168.1**	**43.63**
Tennessee	.3	13,043	.91	7.70	137.7	35.92
Anderson	.3	13,043	.91	7.70	137.7	35.92
Virginia	435.3	12,983	.82	9.11	168.2	43.67
Lee	137.4	12,748	.76	9.11	176.8	45.07
Russell	105.5	13,042	.69	10.14	164.7	42.95
Wise	192.4	13,120	.95	8.54	164.1	43.06
West Virginia	8.0	12,439	.99	9.45	167.8	41.75
Mingo	8.0	12,439	.99	9.45	167.8	41.75
Seminole Electric Coop Inc Seminole	**2,952.0**	**12,076**	**2.74**	**8.66**	**205.4**	**49.61**
Illinois	1,435.0	11,669	2.51	8.11	218.0	50.87
White	1,435.0	11,669	2.51	8.11	218.0	50.87
Kentucky	1,517.0	12,461	2.96	9.19	194.3	48.42
Hopkins	134.0	11,393	3.00	11.27	167.4	38.14
Webster	1,383.0	12,564	2.96	8.98	196.7	49.42
Sierra Pacific Power Co North Valmy	**1,071.5**	**11,166**	**.35**	**8.22**	**187.6**	**41.90**
Utah	942.3	11,383	.34	8.16	188.1	42.83
Sevier	942.3	11,383	.34	8.16	188.1	42.83
Wyoming	129.1	9,582	.40	8.69	183.2	35.11
Sweetwater	129.1	9,582	.40	8.69	183.2	35.11
Sikeston City of Sikeston	**303.6**	**11,198**	**2.59**	**11.50**	**127.8**	**28.63**
Illinois	241.6	11,211	2.48	11.52	132.9	29.79
Franklin	86.2	11,651	2.42	8.50	121.0	28.20
Saline	153.7	10,972	2.50	13.19	140.2	30.75
Williamson	1.6	10,582	2.98	13.83	112.1	23.72
Kentucky	61.9	11,148	3.05	11.44	108.0	24.08
Webster	61.9	11,148	3.05	11.44	108.0	24.08
South Carolina Electric&Gas Co Canadys	**813.1**	**13,000**	**1.48**	**9.38**	**169.5**	**44.07**
Kentucky	586.0	12,892	1.52	9.51	174.7	45.04
Bell	286.7	13,035	1.20	8.90	175.9	45.87
Floyd	188.3	12,670	2.08	11.07	173.5	43.96
Letcher	14.4	12,658	.79	9.60	155.0	39.24
Pike	96.6	12,939	1.50	8.25	176.0	45.55
Virginia	227.1	13,277	1.36	9.04	156.6	41.57
Dickenson	227.1	13,277	1.36	9.04	156.6	41.57
South Carolina Electric&Gas Co Mcmeekin	**532.9**	**12,994**	**1.36**	**8.89**	**186.5**	**48.48**
Kentucky	357.4	12,810	1.35	9.07	188.0	48.16
Bell	147.0	12,875	1.15	9.67	174.5	44.94
Floyd	37.5	12,740	2.00	10.06	171.7	43.74
Harlan	7.1	13,024	1.07	8.00	188.3	49.05
Magoffin	7.7	12,489	1.59	7.80	150.4	37.57
Pike	158.1	12,772	1.38	8.40	206.2	52.68

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
South Carolina Electric&Gas Co Mcmeekin						
Virginia	175.5	13,368	1.39	8.52	183.8	49.13
Dickenson	175.5	13,368	1.39	8.52	183.8	49.13
South Carolina Electric&Gas Co Urquhart	**521.0**	**12,939**	**1.23**	**9.03**	**170.8**	**44.21**
Kentucky	521.0	12,939	1.23	9.03	170.8	44.21
Bell	348.5	12,888	1.18	9.51	174.0	44.85
Harlan	14.1	13,119	1.04	7.60	188.3	49.41
Pike	158.4	13,037	1.35	8.09	162.4	42.35
South Carolina Electric&Gas Co Wateree	**876.7**	**12,863**	**1.29**	**9.11**	**185.0**	**47.60**
Kentucky	569.0	12,795	1.15	8.88	193.3	49.46
Bell	134.7	12,793	1.21	9.80	175.3	44.85
Harlan	210.4	12,961	1.02	8.22	188.7	48.91
Letcher	7.6	12,638	1.03	8.60	215.8	54.55
Magoffin	13.0	13,150	1.52	7.71	152.2	40.03
Pike	203.3	12,607	1.24	9.04	212.2	53.49
Virginia	307.7	12,991	1.55	9.53	170.0	44.18
Dickenson	20.7	12,744	1.77	9.30	185.3	47.23
Wise	287.0	13,008	1.53	9.55	169.0	43.96
South Carolina Electric&Gas Co Williams	**872.8**	**12,883**	**1.02**	**8.37**	**186.7**	**48.10**
Kentucky	872.8	12,883	1.02	8.37	186.7	48.10
Harlan	812.3	12,886	1.00	8.34	189.2	48.76
Pike	60.5	12,841	1.24	8.81	152.4	39.15
South Carolina Pub Serv Auth Cross	**1,079.4**	**12,448**	**1.09**	**9.69**	**192.2**	**47.86**
Kentucky	1,079.4	12,448	1.09	9.69	192.2	47.86
Bell	8.9	12,506	.94	8.80	145.0	36.27
Harlan	987.1	12,469	1.07	9.59	193.3	48.20
Laurel	83.3	12,191	1.33	10.90	185.2	45.15
South Carolina Pub Serv Auth Grainger	**304.0**	**12,777**	**1.70**	**9.51**	**160.6**	**41.05**
Kentucky	217.2	12,686	1.66	9.66	160.3	40.68
Clay	4.1	12,941	1.69	8.60	158.2	40.95
Floyd	26.2	12,255	1.55	12.83	154.0	37.74
Harlan	3.9	11,987	1.87	10.41	156.9	37.61
Knott	26.5	12,130	1.59	9.98	161.1	39.09
Laurel	1.0	11,926	2.11	12.80	165.3	39.43
Lee	3.1	12,000	2.03	12.47	151.5	36.36
Pike	152.4	12,888	1.68	8.99	161.5	41.63
Pennsylvania	.7	11,921	2.12	12.40	156.9	37.41
Blair	.7	11,921	2.12	12.40	156.9	37.41
Tennessee	14.6	12,422	1.82	9.96	163.8	40.70
Campbell	14.6	12,422	1.82	9.96	163.8	40.70
Virginia	71.5	13,131	1.79	8.95	160.9	42.27
Dickenson	71.5	13,131	1.79	8.95	160.9	42.27
South Carolina Pub Serv Auth Jefferies	**515.6**	**12,280**	**1.63**	**10.92**	**183.8**	**45.13**
Kentucky	515.6	12,280	1.63	10.92	183.8	45.13
Laurel	515.6	12,280	1.63	10.92	183.8	45.13
South Carolina Pub Serv Auth Winyah	**1,555.0**	**12,367**	**1.04**	**9.81**	**189.6**	**46.90**
Kentucky	1,555.0	12,367	1.04	9.81	189.6	46.90
Bell	27.3	12,344	1.09	9.37	145.8	36.00
Harlan	1,326.0	12,350	1.03	9.97	193.4	47.78
Laurel	102.1	12,167	1.13	10.61	184.8	44.97
Letcher	9.3	12,902	1.28	5.80	142.5	36.77
Perry	90.4	12,790	1.05	7.08	158.1	40.44
South Mississippi EL Pwr Assn R D Morrow	**823.2**	**12,536**	**.92**	**8.17**	**214.1**	**53.69**
Kentucky	823.2	12,536	.92	8.17	214.1	53.69
Harlan	118.6	12,973	.92	8.27	162.4	42.13
Leslie	704.6	12,463	.92	8.15	223.2	55.63
Southern California Edison Co Mohave	**4,756.4**	**10,998**	**.55**	**9.84**	**102.0**	**22.43**
Arizona	4,756.4	10,998	.55	9.84	102.0	22.43
Navajo	4,756.4	10,998	.55	9.84	102.0	22.43
Southern Illinois Power Coop Marion	**737.0**	**10,633**	**3.20**	**18.47**	**95.2**	**20.25**
Illinois	737.0	10,633	3.20	18.47	95.2	20.25
Gallatin	438.0	10,691	3.33	19.25	96.0	20.52
Jackson	50.0	9,522	2.42	18.44	61.3	11.67
Saline	128.0	10,618	2.97	18.01	84.7	17.99
Williamson	121.0	10,898	3.27	16.12	115.5	25.17
Southern Indiana Gas & Elec Co A B Brown	**1,198.5**	**11,464**	**3.65**	**8.80**	**161.3**	**36.98**

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Southern Indiana Gas & Elec Co A B Brown						
Indiana	1,198.5	11,464	3.65	8.80	161.3	36.98
Pike	1,198.5	11,464	3.65	8.80	161.3	36.98
Southern Indiana Gas & Elec Co Culley	**684.9**	**11,053**	**2.96**	**8.97**	**140.6**	**31.09**
Indiana	684.9	11,053	2.96	8.97	140.6	31.09
Dubois	58.0	11,226	1.60	8.12	112.9	25.35
Warrick	626.9	11,037	3.09	9.05	143.2	31.62
Southern Indiana Gas & Elec Co Warrick	**416.3**	**10,784**	**3.22**	**9.92**	**131.2**	**28.29**
Indiana	416.3	10,784	3.22	9.92	131.2	28.29
Warrick	416.3	10,784	3.22	9.92	131.2	28.29
Southwestern Electric Power Co Flint Creek	**1,667.0**	**8,372**	**.34**	**4.67**	**149.7**	**25.06**
Wyoming	1,667.0	8,372	.34	4.67	149.7	25.06
Campbell	1,667.0	8,372	.34	4.67	149.7	25.06
Southwestern Electric Power Co Pirkey	**2,520.0**	**6,811**	**1.39**	**10.42**	**109.6**	**14.93**
Texas	2,520.0	6,811	1.39	10.42	109.6	14.93
Harrison	2,520.0	6,811	1.39	10.42	109.6	14.93
Southwestern Electric Power Co Welsh Station	**5,057.0**	**8,359**	**.33**	**4.66**	**193.9**	**32.42**
Wyoming	5,057.0	8,359	.33	4.66	193.9	32.42
Campbell	5,057.0	8,359	.33	4.66	193.9	32.42
Southwestern Public Service Co Harrington	**3,556.0**	**8,882**	**.37**	**4.95**	**155.4**	**27.60**
Wyoming	3,556.0	8,882	.37	4.95	155.4	27.60
Campbell	3,556.0	8,882	.37	4.95	155.4	27.60
Southwestern Public Service Co Tolk	**3,247.0**	**8,829**	**.37**	**4.92**	**182.2**	**32.17**
Wyoming	3,247.0	8,829	.37	4.92	182.2	32.17
Campbell	3,247.0	8,829	.37	4.92	182.2	32.17
Springfield City of James River	**402.4**	**12,562**	**4.03**	**11.75**	**120.6**	**30.30**
Oklahoma	402.4	12,562	4.03	11.75	120.6	30.30
Craig	270.3	12,666	3.91	11.37	123.2	31.22
Rogers	132.1	12,348	4.29	12.53	115.1	28.43
Springfield City of Southwest	**314.1**	**12,863**	**3.89**	**10.03**	**119.1**	**30.65**
Oklahoma	314.1	12,863	3.89	10.03	119.1	30.65
Craig	251.3	12,903	3.85	9.95	120.0	30.96
Rogers	62.8	12,704	4.04	10.38	115.7	29.40
Springfield City of Dallman	**710.2**	**10,344**	**2.89**	**9.20**	**164.9**	**34.12**
Illinois	710.2	10,344	2.89	9.20	164.9	34.12
Logan	710.2	10,344	2.89	9.20	164.9	34.12
Springfield City of Lakeside	**77.4**	**10,343**	**2.89**	**9.19**	**159.1**	**32.92**
Illinois	77.4	10,343	2.89	9.19	159.1	32.92
Logan	77.4	10,343	2.89	9.19	159.1	32.92
St Joseph Light and Power Co Lakeroad	**107.1**	**12,163**	**3.70**	**16.11**	**143.7**	**34.97**
Oklahoma	107.1	12,163	3.70	16.11	143.7	34.97
Haskell	107.1	12,163	3.70	16.11	143.7	34.97
Sunflower Electric Coop Inc Holcomb Unit #1	**794.8**	**8,319**	**.38**	**5.52**	**145.4**	**24.18**
Wyoming	794.8	8,319	.38	5.52	145.4	24.18
Campbell	794.8	8,319	.38	5.52	145.4	24.18
Tampa Electric Co Big Bend	**5,180.9**	**12,032**	**2.28**	**8.23**	**185.9**	**44.75**
Illinois	1,217.3	11,118	2.98	9.52	193.2	42.97
Perry	540.5	11,207	2.94	9.44	193.1	43.27
Randolph	660.9	11,033	3.03	9.54	195.0	43.02
Williamson	15.8	11,628	2.50	11.20	130.7	30.40
Indiana	16.4	11,087	2.36	11.20	92.5	20.51
Spencer	16.4	11,087	2.36	11.20	92.5	20.51
Kentucky	3,537.4	12,241	2.20	7.95	183.4	44.91
Butler	281.0	12,352	1.29	5.47	207.4	51.24
Floyd	.1	12,665	.78	7.60	171.5	43.44
Hopkins	25.4	11,611	2.94	9.20	128.7	29.89
Knott	29.3	12,669	.78	7.70	153.1	38.80
Muhlenberg	919.2	11,787	2.75	8.48	164.8	38.86
Ohio	734.6	11,561	3.20	9.93	191.5	44.27
Perry	7.2	13,908	1.37	4.20	131.6	36.61
Union	65.3	12,108	3.19	10.10	124.4	30.13
Webster	323.4	12,449	3.01	9.16	131.0	32.62
Whitley	1,151.8	12,953	1.07	6.39	206.2	53.42

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Tampa Electric Co Big Bend						
Oklahoma	249.4	12,859	0.58	6.28	190.9	49.09
Rogers	219.0	12,847	.58	6.33	191.5	49.21
Wagoner	30.4	12,944	.59	5.89	186.2	48.21
Virginia	85.5	13,242	.69	6.36	199.7	52.89
Lee	85.5	13,242	.69	6.36	199.7	52.89
West Virginia	74.9	13,097	2.51	9.05	182.3	47.75
Monongalia	74.9	13,097	2.51	9.05	182.3	47.75
Tampa Electric Co Gannon	**450.9**	**13,013**	**1.05**	**6.18**	**227.9**	**59.32**
Kentucky	450.9	13,013	1.05	6.18	227.9	59.32
Whitley	450.9	13,013	1.05	6.18	227.9	59.32
Tennessee Valley Authority Allen	**1,516.9**	**12,048**	**2.27**	**8.40**	**135.2**	**32.57**
Illinois	433.7	11,906	2.16	8.06	118.1	28.13
Franklin	313.4	11,679	2.05	7.88	115.2	26.90
Gallatin	120.3	12,498	2.46	8.54	125.3	31.32
Kentucky	1,083.1	12,105	2.31	8.54	141.9	34.35
Bell	55.6	11,854	2.20	6.60	118.6	28.12
Caldwell	560.3	12,388	2.40	8.57	143.7	35.60
Ohio	293.7	11,416	2.05	9.06	141.9	32.41
Unknown	173.5	12,439	2.50	8.20	142.9	35.56
Tennessee Valley Authority Bull Run	**2,214.2**	**11,410**	**.85**	**14.30**	**189.2**	**43.19**
Kentucky	2,214.2	11,410	.85	14.30	189.2	43.19
Breathitt	2,214.2	11,410	.85	14.30	189.2	43.19
Tennessee Valley Authority Colbert	**3,542.5**	**11,632**	**2.25**	**11.52**	**183.6**	**42.72**
Illinois	3.0	11,500	2.30	8.30	120.2	27.65
Franklin	3.0	11,500	2.30	8.30	120.2	27.65
Kentucky	920.2	11,480	2.01	11.28	123.1	28.27
Unknown	920.2	11,480	2.01	11.28	123.1	28.27
Ohio	2,619.4	11,685	2.34	11.60	204.6	47.81
Belmont	2,619.4	11,685	2.34	11.60	204.6	47.81
Tennessee Valley Authority Cumberland	**7,077.2**	**11,656**	**2.78**	**8.71**	**135.6**	**31.61**
Illinois	98.1	11,610	2.50	8.69	113.9	26.46
Franklin	86.0	11,513	2.46	8.55	114.8	26.43
Gallatin	12.1	12,299	2.75	9.70	108.3	26.64
Kentucky	6,672.5	11,618	2.80	8.58	135.8	31.55
Butler	173.3	11,565	2.43	8.89	148.4	34.33
Daviess	34.8	10,834	2.07	9.87	110.3	23.89
Hopkins	170.4	11,619	2.82	9.90	110.1	25.60
Union	5,337.2	11,513	2.81	8.38	140.6	32.37
Webster	79.4	12,524	2.88	8.53	113.9	28.53
Unknown	877.4	12,212	2.82	9.43	113.7	27.76
West Virginia	306.6	12,508	2.51	11.52	137.5	34.39
Preston	306.6	12,508	2.51	11.52	137.5	34.39
Tennessee Valley Authority Gallatin	**2,667.9**	**12,397**	**2.71**	**8.24**	**149.8**	**37.15**
Kentucky	2,663.1	12,398	2.71	8.23	149.9	37.17
Hopkins	626.8	11,970	2.70	9.03	135.0	32.32
Webster	847.1	12,490	2.66	7.03	168.9	42.19
Unknown	1,189.2	12,558	2.75	8.67	143.9	36.15
Tennessee	4.8	11,825	2.60	13.20	115.0	27.20
Fentress	4.8	11,825	2.60	13.20	115.0	27.20
Tennessee Valley Authority Johnsonville	**3,113.5**	**11,696**	**1.80**	**8.55**	**123.8**	**28.97**
Illinois	2,382.6	11,725	1.81	7.94	123.6	28.98
Franklin	2,187.2	11,721	1.82	7.98	124.5	29.18
Unknown	195.4	11,774	1.73	7.43	114.0	26.84
Indiana	71.0	11,758	1.38	9.37	149.7	35.20
Dubois	71.0	11,758	1.38	9.37	149.7	35.20
Kentucky	659.9	11,583	1.81	10.68	121.9	28.23
Ohio	100.4	11,490	1.79	11.13	121.6	27.95
Unknown	559.5	11,599	1.81	10.60	121.9	28.28
Tennessee Valley Authority Kingston	**3,923.9**	**12,097**	**1.15**	**11.93**	**145.3**	**35.16**
Kentucky	2,457.5	11,853	1.04	12.63	156.3	37.06
Bell	1,116.5	12,247	1.17	11.43	123.1	30.14
Breathitt	1,089.3	11,363	.89	14.38	202.6	46.04
Harlan	192.2	12,280	1.09	9.95	118.8	29.17
Knox	.3	11,203	.95	11.78	115.1	25.79
Leslie	54.4	12,087	1.30	11.66	114.6	27.70
Whitley	4.7	11,975	1.51	10.31	119.4	28.59
Tennessee	1,466.4	12,507	1.32	10.76	127.8	31.97
Anderson	698.9	12,671	1.40	9.93	134.3	34.02
Campbell	282.4	12,307	1.23	11.97	117.5	28.92

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Tennessee Valley Authority Kingston						
Tennessee						
Claiborne	78.7	12,368	1.54	10.25	105.4	26.06
Cumberland	14.7	12,264	.85	12.52	102.0	25.02
Fentress	10.8	12,155	1.71	12.65	113.2	27.52
Morgan	296.7	12,441	1.17	11.21	132.8	33.04
Scott	34.3	12,419	1.10	11.25	109.5	27.20
Unknown	49.9	12,146	1.43	12.25	122.8	29.83
Tennessee Valley Authority Paradise	**5,001.6**	**10,998**	**4.10**	**15.02**	**106.8**	**23.48**
Kentucky	5,001.6	10,998	4.10	15.02	106.8	23.48
Hopkins	1,660.3	11,242	4.24	15.27	104.7	23.53
Muhlenberg	2,513.0	10,970	4.00	14.43	109.3	23.98
Ohio	56.0	10,716	4.42	15.89	112.4	24.10
Unknown	772.4	10,582	4.11	16.39	102.7	21.74
Tennessee Valley Authority Sevier	**2,021.3**	**12,542**	**1.43**	**10.89**	**129.3**	**32.42**
Kentucky	654.1	12,229	1.59	11.93	127.3	31.14
Bell	158.8	12,154	1.26	11.29	125.7	30.55
Harlan	120.9	12,341	1.96	11.84	111.3	27.47
Letcher	228.2	12,164	1.34	12.38	127.8	31.08
Pike	15.1	12,212	1.37	12.26	123.5	30.17
Unknown	131.1	12,332	2.11	11.97	143.7	35.44
Tennessee	339.8	12,232	1.79	12.46	114.7	28.06
Anderson	84.6	12,212	1.83	12.18	113.3	27.66
Campbell	116.4	12,264	1.68	12.07	117.4	28.81
Claiborne	17.2	12,346	1.50	10.22	109.1	26.94
Fentress	38.6	12,038	1.92	12.89	104.0	25.05
Scott	83.0	12,275	1.90	13.53	118.3	29.04
Virginia	1,004.2	12,855	1.19	9.63	135.5	34.83
Buchanan	.9	13,215	1.20	7.00	115.3	30.47
Lee	153.1	12,450	1.63	10.21	120.4	29.98
Scott	2.6	12,869	1.00	8.96	113.1	29.11
Wise	810.7	12,896	1.13	9.60	137.8	35.53
Unknown	36.8	13,625	.80	7.80	147.1	40.07
West Virginia	23.2	12,371	2.35	13.46	114.7	28.37
Mingo	23.2	12,371	2.35	13.46	114.7	28.37
Tennessee Valley Authority Shawnee	**2,851.3**	**12,349**	**1.04**	**9.37**	**146.5**	**36.17**
Illinois	64.7	11,949	.70	11.60	145.2	34.70
Hamilton	64.7	11,949	.70	11.60	145.2	34.70
Kentucky	973.8	11,957	1.76	10.03	125.6	30.03
Breathitt	12.1	12,692	.67	8.33	129.8	32.94
Harlan	100.8	12,591	.66	10.30	125.9	31.71
Hopkins	335.8	11,204	3.80	12.39	116.5	26.10
Leslie	38.1	12,810	.70	7.33	126.4	32.38
Martin	236.0	12,275	.66	8.04	132.5	32.52
Morgan	2.9	12,100	.80	7.20	128.9	31.19
Perry	28.6	12,850	.62	7.18	135.0	34.70
Pike	219.5	12,167	.71	9.39	129.1	31.41
West Virginia	1,812.8	12,574	.67	8.94	157.2	39.53
Boone	22.7	13,070	.77	5.96	126.4	33.04
Logan	646.5	12,522	.65	9.59	185.7	46.50
Mingo	352.3	12,161	.62	10.51	130.1	31.64
Unknown	791.3	12,785	.70	7.79	146.8	37.53
Tennessee Valley Authority Widows Creek	**2,675.9**	**12,161**	**2.10**	**10.61**	**126.5**	**30.76**
Alabama	17.0	12,200	.86	12.18	116.4	28.41
Blount	1.6	12,043	3.60	13.10	97.7	23.53
De Kalb	2.5	12,000	.90	12.99	123.7	29.70
Jackson	12.9	12,257	.52	11.91	117.3	28.76
Illinois	145.7	12,073	.92	5.51	136.3	32.91
Hamilton	90.9	12,129	.94	5.87	136.0	33.00
Jefferson	54.8	11,981	.89	4.93	136.7	32.76
Indiana	3.2	11,583	3.89	6.92	108.0	25.03
Spencer	3.2	11,583	3.89	6.92	108.0	25.03
Kentucky	1,981.3	12,105	2.52	10.68	121.8	29.49
Bell	53.1	12,821	.90	9.03	130.0	33.33
Breathitt	85.3	12,008	.96	8.61	128.8	30.94
Daviess	24.5	11,004	3.70	10.54	114.1	25.11
Floyd	38.4	12,196	.87	9.28	128.3	31.30
Harlan	428.3	13,035	1.05	7.43	134.4	35.03
Hopkins	393.7	11,323	3.46	11.34	122.7	27.79
Johnson	3.0	11,459	.90	11.90	122.3	28.03
Knott	8.6	12,564	.80	9.30	130.5	32.79
Knox	12.8	11,431	.79	9.02	126.2	28.85
Leslie	50.1	11,962	.88	11.34	127.3	30.46
Letcher	48.1	12,909	.89	8.75	133.6	34.50

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Tennessee Valley Authority Widows Creek						
Kentucky						
Martin	24.6	11,437	0.80	13.36	121.7	27.84
Ohio	48.6	11,650	3.12	11.08	108.6	25.31
Perry	33.8	11,717	.87	13.38	125.9	29.51
Pike	7.7	12,571	.90	8.90	130.4	32.79
Union	189.1	12,451	2.99	10.15	132.2	32.93
Webster	61.9	11,558	4.50	14.94	93.7	21.66
Unknown	469.7	11,883	3.77	13.27	104.0	24.71
Ohio	6.2	11,587	2.40	11.90	204.6	47.41
Belmont	6.2	11,587	2.40	11.90	204.6	47.41
Tennessee	509.2	12,400	.84	11.85	140.8	34.92
Campbell	16.4	12,653	1.00	7.73	129.0	32.65
Fentress	5.8	12,338	2.20	10.60	99.4	24.53
Grundy	43.7	12,457	.80	11.68	145.8	36.33
Sequatchie	91.9	12,178	1.13	10.13	143.5	34.94
Unknown	351.3	12,441	.74	12.53	140.7	35.02
Virginia	13.4	12,565	.90	7.40	135.3	34.00
Lee	13.4	12,565	.90	7.40	135.3	34.00
Texas Municipal Power Agency Gibbons Creek	**2,963.3**	**4,746**	**.95**	**24.94**	**153.8**	**14.60**
Texas	2,963.3	4,746	.95	24.94	153.8	14.60
Grimes	2,963.3	4,746	.95	24.94	153.8	14.60
Texas Utilities Electric Co Big Brown	**5,175.0**	**6,964**	**.69**	**13.22**	**86.8**	**12.09**
Texas	5,175.0	6,964	.69	13.22	86.8	12.09
Freestone	5,175.0	6,964	.69	13.22	86.8	12.09
Texas Utilities Electric Co Martin Lake	**12,656.0**	**6,658**	**.77**	**11.79**	**115.2**	**15.34**
Texas	12,656.0	6,658	.77	11.79	115.2	15.34
Panola	12,656.0	6,658	.77	11.79	115.2	15.34
Texas Utilities Electric Co Monticello	**11,988.0**	**6,093**	**.54**	**17.88**	**82.2**	**10.02**
Texas	11,988.0	6,093	.54	17.88	82.2	10.02
Titus	11,988.0	6,093	.54	17.88	82.2	10.02
Texas Utilities Electric Co Sandow No 4	**589.0**	**6,076**	**.97**	**19.60**	**85.2**	**10.35**
Texas	589.0	6,076	.97	19.60	85.2	10.35
Milam	589.0	6,076	.97	19.60	85.2	10.35
Toledo Edison Co Acme	**255.9**	**13,102**	**.64**	**7.74**	**158.0**	**41.39**
Kentucky	240.0	13,106	.63	7.77	157.7	41.34
Breathitt	2.4	12,632	.75	6.90	152.0	38.40
Floyd	2.1	12,303	.72	7.30	156.0	38.39
Johnson	.7	12,344	.74	8.40	172.8	42.66
Pike	234.8	13,120	.63	7.78	157.8	41.39
West Virginia	15.9	13,041	.72	7.32	161.7	42.17
Logan	3.1	13,326	.74	5.99	160.9	42.88
Mingo	11.7	12,969	.72	7.82	162.6	42.18
Nicholas	1.1	13,007	.64	5.80	153.7	39.98
Toledo Edison Co Bay Shore	**1,427.5**	**13,245**	**1.22**	**6.68**	**205.3**	**54.38**
Kentucky	624.1	13,254	1.34	6.22	185.7	49.22
Floyd	7.1	12,148	1.19	11.70	158.9	38.60
Martin	9.9	12,461	.61	7.40	143.2	35.69
Pike	607.1	13,280	1.36	6.14	186.6	49.56
Virginia	62.1	13,176	1.13	7.10	146.4	38.58
Buchanan	62.1	13,176	1.13	7.10	146.4	38.58
West Virginia	741.3	13,243	1.13	7.03	226.7	60.04
Mingo	741.3	13,243	1.13	7.03	226.7	60.04
Union Electric Co Labadie	**4,948.0**	**11,358**	**2.43**	**8.69**	**161.2**	**36.61**
Illinois	4,948.0	11,358	2.43	8.69	161.2	36.61
Jackson	104.0	10,600	1.00	11.40	165.7	35.12
Jefferson	925.0	11,800	1.30	7.30	197.0	46.49
Perry	3,340.0	11,200	2.99	9.26	140.1	31.37
Saline	579.0	11,698	1.30	7.12	219.1	51.27
Union Electric Co Meramec	**534.0**	**11,593**	**1.27**	**7.61**	**164.2**	**38.07**
Illinois	473.0	11,656	1.28	7.30	168.4	39.26
Franklin	104.0	11,500	1.30	8.00	133.5	30.71
Saline	369.0	11,700	1.28	7.10	178.1	41.68
Indiana	61.0	11,100	1.20	10.00	129.9	28.84
Dubois	61.0	11,100	1.20	10.00	129.9	28.84
Union Electric Co Rush Island	**2,549.3**	**10,709**	**1.03**	**10.97**	**173.0**	**37.05**

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Union Electric Co Rush Island						
Illinois	2,549.3	10,709	1.03	10.97	173.0	37.05
Jackson	2,296.3	10,600	1.00	11.40	167.2	35.44
Saline	253.0	11,700	1.28	7.10	220.7	51.65
Union Electric Co Sioux	**1,674.0**	**11,351**	**2.71**	**9.01**	**156.7**	**35.58**
Illinois	1,646.0	11,394	2.76	9.08	156.1	35.58
Perry	850.0	11,200	3.10	10.10	138.8	31.08
Saline	796.0	11,601	2.39	7.99	174.1	40.39
Wyoming	28.0	8,800	.34	4.90	201.7	35.51
Campbell	28.0	8,800	.34	4.90	201.7	35.51
United Illuminating Co Bridgeport Harbor	**817.0**	**13,172**	**.51**	**6.76**	**227.1**	**59.83**
Kentucky	817.0	13,172	.51	6.76	227.1	59.83
Pike	817.0	13,172	.51	6.76	227.1	59.83
United Power Assn Stanton	**1,127.0**	**6,726**	**.60**	**9.11**	**98.7**	**13.28**
North Dakota	1,127.0	6,726	.60	9.11	98.7	13.28
Mercer	1,127.0	6,726	.60	9.11	98.7	13.28
Upper Peninsula Generating Co Presque Isle	**761.0**	**12,669**	**.89**	**9.25**	**161.0**	**40.78**
Kentucky	761.0	12,669	.89	9.25	161.0	40.78
Pike	761.0	12,669	.89	9.25	161.0	40.78
Utah Power & Light Co Carbon	**492.0**	**11,766**	**.57**	**6.77**	**169.5**	**39.88**
Utah	492.0	11,766	.57	6.77	169.5	39.88
Carbon	492.0	11,766	.57	6.77	169.5	39.88
Utah Power & Light Co Emery-Hunter	**2,629.0**	**11,572**	**.49**	**11.43**	**127.4**	**29.49**
Utah	2,629.0	11,572	.49	11.43	127.4	29.49
Emery	2,629.0	11,572	.49	11.43	127.4	29.49
Utah Power & Light Co Gadsby	**106.0**	**11,767**	**.61**	**6.42**	**197.2**	**46.42**
Utah	106.0	11,767	.61	6.42	197.2	46.42
Carbon	106.0	11,767	.61	6.42	197.2	46.42
Utah Power & Light Co Huntington	**2,069.0**	**11,387**	**.44**	**13.40**	**138.1**	**31.45**
Utah	2,069.0	11,387	.44	13.40	138.1	31.45
Emery	2,069.0	11,387	.44	13.40	138.1	31.45
Utah Power & Light Co Naughton	**1,768.0**	**9,610**	**.78**	**6.60**	**119.1**	**22.88**
Wyoming	1,768.0	9,610	.78	6.60	119.1	22.88
Lincoln	1,768.0	9,610	.78	6.60	119.1	22.88
Vineland City of H M Down	**46.3**	**12,919**	**.96**	**10.00**	**190.8**	**49.30**
West Virginia	46.3	12,919	.96	10.00	190.8	49.30
Nicholas	46.3	12,919	.96	10.00	190.8	49.30
Virginia Electric & Power Co Bremo Bluff	**502.0**	**12,596**	**.88**	**9.70**	**160.5**	**40.43**
Kentucky	91.0	12,361	1.09	9.57	153.2	37.86
Floyd	7.0	12,187	.97	9.20	149.5	36.44
Knott	19.0	12,691	1.00	8.89	156.7	39.78
Pike	65.0	12,284	1.13	9.81	152.5	37.46
West Virginia	411.0	12,647	.83	9.72	162.1	41.00
Boone	265.0	12,682	.83	9.93	161.3	40.92
Greenbrier	3.0	12,545	.64	10.00	149.6	37.53
Kanawha	2.0	13,022	1.11	8.90	152.3	39.67
Logan	141.0	12,579	.82	9.34	163.9	41.24
Virginia Electric & Power Co Chesterfield	**2,381.0**	**12,921**	**.97**	**8.39**	**164.8**	**42.59**
Kentucky	1,065.0	12,937	1.08	7.89	166.6	43.11
Breathitt	12.0	12,626	1.44	6.30	150.2	37.93
Clay	47.0	12,495	1.38	10.61	149.1	37.26
Floyd	102.0	12,652	1.09	8.79	154.2	39.02
Harlan	39.0	13,096	.89	6.27	157.5	41.25
Knott	47.0	12,724	1.15	8.94	155.8	39.65
Leslie	13.0	12,767	.98	8.72	151.0	38.56
Letcher	43.0	12,565	.92	9.15	155.9	39.18
Magoffin	7.0	12,500	.99	8.90	149.4	37.35
Martin	5.0	12,372	.78	8.40	162.3	40.16
Perry	24.0	12,883	.76	8.80	150.4	38.74
Pike	726.0	13,051	1.08	7.50	172.5	45.01
Virginia	367.0	13,179	1.09	7.80	182.3	48.05
Buchanan	194.0	13,218	1.22	7.77	185.6	49.06
Dickenson	6.0	13,544	.97	6.80	153.6	41.61
Wise	167.0	13,120	.95	7.86	179.6	47.12

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Virginia Electric & Power Co Chesterfield						
West Virginia	949.0	12,802	0.79	9.17	155.8	39.90
Boone	286.0	12,823	.78	8.69	162.9	41.79
Greenbrier	20.0	13,449	1.36	6.88	152.4	41.00
Kanawha	9.0	11,731	1.63	10.50	151.5	35.54
Logan	565.0	12,714	.74	9.76	152.4	38.74
Mingo	29.0	12,973	.90	8.12	162.2	42.08
Raleigh	40.0	13,701	1.09	5.88	151.8	41.61
Virginia Electric & Power Co Mount Storm	**4,064.0**	**12,243**	**1.75**	**14.30**	**132.6**	**32.46**
Kentucky	16.0	12,118	1.60	14.24	101.0	24.47
Pike	16.0	12,118	1.60	14.24	101.0	24.47
Maryland	735.0	12,051	1.73	15.89	98.4	23.71
Allegany	262.0	11,705	1.84	17.78	96.5	22.60
Garrett	473.0	12,243	1.66	14.84	99.4	24.33
Pennsylvania	57.0	11,539	1.73	19.72	98.6	22.76
Somerset	57.0	11,539	1.73	19.72	98.6	22.76
West Virginia	3,256.0	12,299	1.76	13.85	140.9	34.65
Barbour	9.0	11,236	1.58	20.32	94.3	21.19
Grant	3,049.0	12,344	1.77	13.73	143.6	35.46
Mineral	84.0	11,676	1.49	15.06	98.0	22.88
Preston	15.0	11,605	1.82	16.53	98.3	22.82
Randolph	37.0	11,684	1.77	16.65	94.2	22.02
Tucker	62.0	11,636	1.60	14.75	100.0	23.27
Virginia Electric & Power Co Portsmouth	**808.0**	**13,156**	**1.00**	**7.88**	**166.2**	**43.72**
Kentucky	205.0	13,122	.89	7.95	157.9	41.44
Martin	22.0	13,109	.88	6.40	146.7	38.46
Perry	1.0	12,817	1.44	10.80	155.5	39.86
Pike	182.0	13,126	.89	8.12	159.3	41.81
Virginia	575.0	13,197	1.04	7.77	169.7	44.79
Buchanan	395.0	13,282	1.13	7.38	171.4	45.54
Wise	180.0	13,009	.84	8.63	165.9	43.16
West Virginia	28.0	12,568	.97	9.49	153.1	38.47
Fayette	2.0	12,633	.72	9.20	155.1	39.19
Mingo	26.0	12,563	.99	9.52	152.9	38.42
Virginia Electric & Power Co Possum Point	**617.0**	**12,955**	**.99**	**7.62**	**164.1**	**42.52**
Kentucky	465.0	12,999	1.02	7.14	167.3	43.50
Clay	7.0	13,129	1.02	7.50	160.3	42.09
Floyd	228.0	13,001	.92	6.74	169.4	44.05
Harlan	16.0	13,154	.97	6.10	168.2	44.26
Knott	5.0	12,406	1.58	11.40	152.2	37.76
Letcher	49.0	12,652	1.00	9.11	154.5	39.09
Pike	160.0	13,101	1.16	7.06	168.8	44.24
Maryland	7.0	12,700	.80	11.00	152.6	38.76
Allegany	7.0	12,700	.80	11.00	152.6	38.76
Virginia	13.0	12,655	.98	9.00	151.5	38.35
Dickenson	13.0	12,655	.98	9.00	151.5	38.35
West Virginia	132.0	12,841	.89	8.99	154.4	39.66
Boone	12.0	12,768	.88	9.91	162.2	41.42
Kanawha	34.0	12,483	.68	10.02	151.2	37.75
Logan	63.0	12,799	.96	9.19	154.1	39.46
Mcdowell	3.0	12,671	.61	8.90	150.2	38.06
Raleigh	20.0	13,654	1.06	6.10	156.5	42.74
Virginia Electric & Power Co Yorktown	**485.0**	**13,064**	**1.32**	**7.21**	**166.8**	**43.57**
Kentucky	456.0	13,063	1.33	7.19	167.5	43.77
Clay	49.0	12,915	1.02	8.12	160.2	41.38
Knott	21.0	12,652	1.26	8.83	156.4	39.59
Pike	386.0	13,104	1.37	6.98	169.0	44.31
Virginia	10.0	13,022	1.34	7.58	155.1	40.38
Dickenson	6.0	13,112	1.38	7.97	154.5	40.52
Wise	4.0	12,886	1.29	7.00	155.9	40.18
West Virginia	19.0	13,116	1.28	7.54	153.9	40.36
Greenbrier	13.0	13,117	1.18	8.30	152.8	40.09
Mingo	6.0	13,113	1.49	5.90	156.2	40.97
West Penn Power Co Armstrong	**969.5**	**12,603**	**1.77**	**10.54**	**127.9**	**32.24**
Pennsylvania	969.5	12,603	1.77	10.54	127.9	32.24
Armstrong	487.7	12,436	1.92	11.03	108.1	26.89
Butler	42.4	12,346	2.03	9.76	101.5	25.07
Jefferson	439.4	12,812	1.58	10.07	151.7	38.88
West Penn Power Co Hatfield	**3,706.4**	**12,825**	**2.29**	**9.77**	**140.7**	**36.08**
Pennsylvania	80.6	13,165	1.51	7.40	148.1	38.99
Greene	80.6	13,165	1.51	7.40	148.1	38.99

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 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
West Penn Power Co Hatfield						
West Virginia	3,625.7	12,817	2.31	9.82	140.5	36.02
Monongalia	3,625.7	12,817	2.31	9.82	140.5	36.02
West Penn Power Co Mitchell	**362.7**	**12,400**	**2.40**	**11.56**	**131.6**	**32.63**
West Virginia	362.7	12,400	2.40	11.56	131.6	32.63
Monongalia	362.7	12,400	2.40	11.56	131.6	32.63
West Texas Utilities Co Oklaunion	**719.0**	**8,269**	**.31**	**4.91**	**163.3**	**27.01**
Wyoming	719.0	8,269	.31	4.91	163.3	27.01
Campbell	719.0	8,269	.31	4.91	163.3	27.01
Western Farmers Elec Coop Inc Hugo	**696.6**	**8,304**	**.45**	**5.77**	**169.8**	**28.20**
Wyoming	696.6	8,304	.45	5.77	169.8	28.20
Campbell	696.6	8,304	.45	5.77	169.8	28.20
Wisconsin Electric Power Co Oak Creek	**1,770.2**	**11,951**	**1.92**	**7.69**	**166.4**	**39.77**
Illinois	1,167.4	11,782	1.55	7.54	181.1	42.67
Franklin	998.8	11,774	1.54	7.42	185.8	43.75
Williamson	168.6	11,826	1.60	8.24	153.5	36.30
Indiana	10.3	11,536	1.58	6.40	152.0	35.07
Pike	10.3	11,536	1.58	6.40	152.0	35.07
Kentucky	454.9	11,996	2.98	8.56	138.3	33.18
Hopkins	454.9	11,996	2.98	8.56	138.3	33.18
Pennsylvania	137.6	13,276	1.52	6.19	140.3	37.25
Greene	137.6	13,276	1.52	6.19	140.3	37.25
Wisconsin Electric Power Co Pleasant Prairie	**4,003.1**	**8,304**	**.31**	**4.96**	**134.1**	**22.27**
Wyoming	4,003.1	8,304	.31	4.96	134.1	22.27
Campbell	4,003.1	8,304	.31	4.96	134.1	22.27
Wisconsin Electric Power Co Port Washington	**236.4**	**13,236**	**1.53**	**5.76**	**160.5**	**42.50**
Pennsylvania	236.4	13,236	1.53	5.76	160.5	42.50
Greene	236.4	13,236	1.53	5.76	160.5	42.50
Wisconsin Electric Power Co Valley	**482.6**	**12,803**	**1.43**	**8.18**	**182.8**	**46.80**
Pennsylvania	482.6	12,803	1.43	8.18	182.8	46.80
Armstrong	241.3	12,809	1.43	8.18	186.0	47.64
Mercer	241.3	12,797	1.43	8.18	179.6	45.96
Wisconsin Power & Light Co Columbia	**3,064.1**	**8,731**	**.52**	**6.90**	**155.3**	**27.11**
Montana	1,506.7	8,651	.73	9.08	162.7	28.15
Rosebud	1,506.7	8,651	.73	9.08	162.7	28.15
Wyoming	1,557.4	8,809	.33	4.79	148.2	26.11
Campbell	1,557.4	8,809	.33	4.79	148.2	26.11
Wisconsin Power & Light Co Edgewater	**2,274.4**	**9,545**	**1.09**	**6.96**	**161.2**	**30.77**
Indiana	897.3	11,299	2.23	9.05	162.9	36.81
Daviess	897.3	11,299	2.23	9.05	162.9	36.81
New Mexico	10.6	12,738	.41	9.00	190.5	48.53
Colfax	10.6	12,738	.41	9.00	190.5	48.53
Wyoming	1,366.4	8,368	.35	5.56	159.3	26.66
Campbell	1,366.4	8,368	.35	5.56	159.3	26.66
Wisconsin Power & Light Co Nelson Dewey	**431.6**	**10,882**	**1.19**	**7.27**	**158.5**	**34.51**
Indiana	96.8	11,492	1.48	6.13	146.6	33.69
Spencer	96.8	11,492	1.48	6.13	146.6	33.69
Kentucky	122.3	12,493	1.62	6.16	144.8	36.19
Butler	85.0	12,334	1.61	6.20	143.2	35.32
Hopkins	37.3	12,856	1.64	6.07	148.5	38.17
Montana	157.2	8,650	.65	9.14	183.3	31.72
Big Horn	157.2	8,650	.65	9.14	183.3	31.72
New Mexico	8.9	12,730	.44	8.86	204.2	51.99
Colfax	8.9	12,730	.44	8.86	204.2	51.99
Virginia	37.3	12,856	1.63	6.07	148.5	38.17
Buchanan	37.3	12,856	1.63	6.07	148.5	38.17
Wyoming	9.3	11,423	.57	5.34	160.7	36.71
Carbon	9.3	11,423	.57	5.34	160.7	36.71
Wisconsin Power & Light Co Rock River	**254.0**	**11,498**	**1.54**	**6.82**	**175.4**	**40.33**
Indiana	233.2	11,437	1.54	6.86	176.6	40.39
Greene	22.3	10,580	2.08	12.35	187.0	39.56
Spencer	184.8	11,637	1.37	5.64	174.2	40.55
Sullivan	26.1	10,753	2.27	10.79	186.0	39.99
Kentucky	20.8	12,181	1.60	6.43	162.6	39.61
Butler	20.8	12,181	1.60	6.43	162.6	39.61
Wisconsin Public Service Corp Pulliam	**555.0**	**11,636**	**2.19**	**9.31**	**193.9**	**45.13**

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

Table 49. Origin of Coal Received at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Wisconsin Public Service Corp Pulliam						
Indiana	353.0	10,972	1.96	9.66	190.8	41.88
Daviess	353.0	10,972	1.96	9.66	190.8	41.88
Kentucky	62.0	12,626	2.88	8.54	195.8	49.45
Webster	62.0	12,626	2.88	8.54	195.8	49.45
Pennsylvania	120.0	12,869	2.73	8.71	200.4	51.59
Clarion	120.0	12,869	2.73	8.71	200.4	51.59
West Virginia	20.0	12,883	.85	9.30	196.0	50.50
Logan	20.0	12,883	.85	9.30	196.0	50.50
Wisconsin Public Service Corp Weston	**1,382.0**	**9,258**	**.51**	**5.19**	**193.7**	**35.86**
Indiana	139.0	11,409	1.24	7.67	194.0	44.27
Daviess	38.0	11,062	1.97	9.66	193.2	42.75
Greene	101.0	11,539	.96	6.92	194.3	44.85
Kentucky	39.0	12,624	2.85	8.40	201.8	50.95
Webster	39.0	12,624	2.85	8.40	201.8	50.95
Wyoming	1,204.0	8,900	.35	4.80	193.2	34.40
Campbell	1,204.0	8,900	.35	4.80	193.2	34.40
Wyandotte Municipal Serv Comm Wyandotte	**90.7**	**13,398**	**.69**	**6.14**	**192.4**	**51.55**
Kentucky	34.3	13,025	.65	6.17	193.4	50.39
Letcher	20.8	13,021	.66	6.16	198.1	51.58
Pike	5.6	12,836	.75	5.60	181.0	46.47
West Virginia	56.4	13,625	.72	6.12	191.8	52.26
Boone	45.1	13,797	.72	5.54	194.3	53.63
Unknown	11.3	12,938	.72	8.44	181.0	46.84
Total	**686,964.1**	**10,543**	**1.39**	**9.98**	**157.9**	**33.30**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Plant Fossil Fuel Data, 1986

Introduction

This chapter presents quantity, quality, and cost data for fossil fuels received by electric generating plants. The fuels received by these plants are described by amount (thousand short tons, thousand barrels, or thousand cubic feet) and cost (cents per million Btu and dollars per short ton, barrel, or thousand cubic feet). The costs reported by electric utilities include all costs incurred by the utility (including transportation, taxes, etc.) for delivery of fuel to the electric plant. In addition, coal and petroleum are described by their quality, referring to the average percentage of sulfur content.

When reference is made to coal, this report includes bituminous, subbituminous, lignite, anthracite, and small quantities of petroleum coke.

Petroleum refers to an aggregation of data for FO2 (light oil), FO4 and FO5 (blends of FO2 and FO6, heavy oil). These fuels are used for startup and flame stabilization and as a primary fuel in some smaller oil-fired units. FO6, a heavy oil used as the primary fuel in large oil-fired units, re-refined motor oil, and liquefied petroleum gas are also included.

Data, under the heading of gas, include natural gas, coke-oven gas, blast-furnace gas, and refinery gas.

A list of all holding companies covered in this chapter can be found in Chapter 4.

In 1986, the following electric plants began reporting fuel receipts on FERC Form 423.

Bonanza (Deseret Generation & Tran Coop)

Intermountain (Los Angeles City of)

Oklaunion (West Texas Utilities Co)

St. Johns River (Jacksonville Electric Auth)

Wyandotte (Wyandotte Municipal Serv Comm)

The following is a list of companies with unique situations that affect the quantity or cost of fuel reported on FERC Form 423.

Alabama Power Company

All coal delivered to the Gorgas Transshipping Facility is reported as receipts at the Gorgas steam plant. Large quantities of this coal are then shipped to the Barry steam plant approximately 250 miles to the south, and the Greene plant. Transportation costs for coal shipped from Gorgas to the Barry and Greene plants are not included in this report. Most coal delivered to the Barry plant and the Greene plant shows up as receipts at Gorgas.

Consolidated Edison of New York

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

Detroit Edison

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

Florida Power Corporation

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

Southern California Edison

All coal delivered to the Mohave plant is transported by a coal-slurry pipeline from the Black Mesa mine located in Arizona. High petroleum price reflects fuel oil purchased prior to 1983 and delivered to electric plants in 1986. Fuel oil purchased in 1986 and delivered to the storage facility is shown under storage facility data for that company.

Tampa Electric

Coal delivered to the Big Bend plant from New Orleans does not include the transportation cost of approximately $5 per short ton from the New Orleans loading facility to Tampa.

Tennessee Valley Authority

The price of coal delivered to Tennessee Valley Authority reflects the actual price data submitted by the utility. Adjustments reported monthly are not included.

The technical notes contain an alphabetical listing of States and the utilities that report in each State.

Due to computer rounding, any quantity of fossil fuel less than 50 short tons, 50 barrels, or 50 cubic feet appears in the tables as an asterisk.

Table 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Alabama Electric Coop Inc	-	-	-	-	-	-	1,204.4	11,968	1.28	12.04	169.9	40.66
Tombigbee (AL)	-	-	-	-	-	-	1,204.4	11,968	1.28	12.04	169.9	40.66
Alabama Power Co	13,395.2	12,323	1.27	11.71	212.2	52.29	1,363.1	12,334	1.41	12.09	144.3	35.60
Barry (AL)	-	-	-	-	-	-	274.7	12,285	.86	12.47	138.8	34.10
Gadsden (AL)	26.1	12,920	1.76	10.89	211.3	54.61	277.2	12,513	1.51	11.64	145.6	36.44
Gorgas 2 and 3 (AL)	4,993.1	12,151	.98	12.21	198.1	48.15	508.1	12,338	1.41	12.23	147.5	36.40
Greene (AL)	1,388.2	12,551	1.42	11.00	185.2	46.50	1.4	12,231	.90	12.20	152.3	37.26
Gaston (AL)	4,351.6	12,341	1.98	11.79	201.1	49.64	301.7	12,209	1.81	11.92	142.6	34.83
James Miller (AL)	2,636.3	12,494	.58	11.00	270.2	67.52	-	-	-	-	-	-
Alamito Co	924.7	9,522	.77	14.23	193.9	36.92	-	-	-	-	-	-
Springerville (AZ)	924.7	9,522	.77	14.23	193.9	36.92	-	-	-	-	-	-
Ames City of	142.7	8,282	.65	6.43	189.0	31.31	-	-	-	-	-	-
Ames (IA)	142.7	8,282	.65	6.43	189.0	31.31	-	-	-	-	-	-
Appalachian Power Co	9,681.3	12,426	.72	11.20	175.1	43.52	2,061.1	12,570	.71	10.19	119.9	30.13
Clinch River (VA)	1,043.8	12,812	.75	11.67	177.7	45.55	-	-	-	-	-	-
Glen Lyn (VA)	666.3	12,083	.89	13.71	194.0	46.88	-	-	-	-	-	-
Amos (WV)	5,081.2	12,387	.73	10.85	173.2	42.90	825.3	12,585	.76	9.80	113.8	28.65
Kanawha River (WV)	576.1	11,640	.77	14.90	162.0	37.72	162.5	12,332	.73	11.69	108.6	26.79
Mountaineer (WV)	2,313.9	12,632	.63	10.10	175.8	44.42	1,073.3	12,594	.67	10.26	126.2	31.79
Arizona Electric Pwr Coop Inc	427.0	10,151	.59	15.95	262.3	53.25	77.7	10,504	.41	10.67	184.6	38.78
Apache (AZ)	427.0	10,151	.59	15.95	262.3	53.25	77.7	10,504	.41	10.67	184.6	38.78
Arizona Public Service Co	10,118.6	9,088	.69	19.95	112.8	20.50	-	-	-	-	-	-
Cholla (AZ)	2,836.1	9,840	.51	14.33	160.2	31.54	-	-	-	-	-	-
Four Corners (NM)	7,282.5	8,795	.77	22.15	92.1	16.21	-	-	-	-	-	-
Arkansas Power & Light Co	10,188.7	8,718	.32	5.49	157.3	27.43	-	-	-	-	-	-
Whitebluff (AR)	4,709.6	8,611	.45	6.33	168.3	28.98	-	-	-	-	-	-
Independence (AR)	5,479.2	8,811	.21	4.77	148.1	26.10	-	-	-	-	-	-
Associated Electric Coop Inc	4,335.7	10,723	3.78	10.05	148.7	31.89	277.5	10,292	4.62	13.71	135.7	27.93
Madrid (MO)	2,100.9	10,901	3.41	10.41	135.5	29.54	-	-	-	-	-	-
Hill (MO)	2,234.8	10,557	4.13	9.72	161.5	34.10	277.5	10,292	4.62	13.71	135.7	27.93
Atlantic City Electric Co	521.0	12,976	2.64	10.12	174.1	45.17	67.0	13,033	2.29	7.94	180.0	46.92
England (NJ)	521.0	12,976	2.64	10.12	174.1	45.17	67.0	13,033	2.29	7.94	180.0	46.92
Baltimore Gas & Electric Co	1,816.0	12,803	.77	9.32	179.6	45.98	893.0	13,106	1.57	7.98	161.6	42.35
Brandon Shores (MD)	1,240.0	12,682	.71	10.00	179.2	45.46	255.0	12,938	.74	8.43	151.7	39.27
Crane (MD)	-	-	-	-	-	-	571.0	13,209	2.02	7.71	167.4	44.23
Wagner (MD)	576.0	13,061	.88	7.87	180.3	47.10	67.0	12,866	.87	8.66	148.0	38.09
Basin Electric Power Coop	10,920.9	7,506	.48	6.80	77.9	11.69	-	-	-	-	-	-
Leland Olds (ND)	1,328.1	6,664	.73	7.81	99.8	13.30	-	-	-	-	-	-
Laramie River (WY)	5,676.5	8,297	.39	5.47	72.5	12.03	-	-	-	-	-	-
Antelope Valley (ND)	3,916.3	6,646	.52	8.38	80.2	10.66	-	-	-	-	-	-
Big Rivers Electric Corp	4,393.3	10,994	3.03	12.20	123.1	27.06	50.0	12,417	2.83	7.34	88.7	22.02
Coleman (KY)	1,309.5	11,269	2.29	8.97	121.8	27.46	-	-	-	-	-	-
Reid-Henderson (KY)	772.0	11,290	2.27	8.43	133.5	30.14	48.0	12,497	2.83	7.13	89.8	22.45
R D Green (KY)	1,549.1	10,487	3.54	15.70	115.1	24.14	2.0	10,497	2.75	12.40	55.0	11.55
Wilson (KY)	762.7	11,253	4.03	14.47	129.8	29.20	-	-	-	-	-	-
Cajun Electric Power Coop Inc	4,124.1	8,407	.48	6.01	191.9	32.27	-	-	-	-	-	-
Big Cajun No.2 (LA)	4,124.1	8,407	.48	6.01	191.9	32.27	-	-	-	-	-	-
Cardinal Operating Co	3,831.4	11,679	2.19	13.40	165.4	38.64	74.4	12,205	3.45	12.33	118.8	28.99
Cardinal (OH)	3,831.4	11,679	2.19	13.40	165.4	38.64	74.4	12,205	3.45	12.33	118.8	28.99
Carolina Power & Light Co	8,745.2	12,558	.84	9.54	190.8	47.92	1,170.2	12,599	.95	9.94	140.8	35.48
Asheville (NC)	718.9	13,440	.90	7.55	159.6	42.91	159.1	13,207	.94	9.02	136.4	36.02
Cape Fear (NC)	237.7	12,775	1.24	8.66	191.8	48.99	126.7	12,142	1.08	12.10	142.0	34.49
Lee (NC)	432.8	12,883	1.05	7.94	208.2	53.65	85.2	12,329	.91	11.20	145.4	35.85
Roxboro (NC)	4,827.5	12,502	.85	9.45	190.7	47.68	340.3	12,521	.95	9.64	133.1	33.33
Sutton (NC)	410.1	12,577	.94	11.43	194.7	48.98	177.7	12,828	.98	8.72	153.7	39.45
Weatherspoon (NC)	150.5	12,359	.96	11.85	179.6	44.39	33.6	12,794	1.06	9.85	151.0	38.63
Robinson (SC)	146.9	12,405	1.14	10.82	191.5	47.51	118.8	12,588	1.16	10.20	148.8	37.45
Mayo (NC)	1,820.8	12,278	.64	10.34	200.0	49.12	128.8	12,327	.61	10.42	134.4	33.13

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

Table 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Cedar Falls City of	-	-	-	-	-	-	15.5	10,912	1.74	8.76	143.3	31.28
Streeter (IA)	-	-	-	-	-	-	15.5	10,912	1.74	8.76	143.3	31.28
Central Electric Pwr Coop-MO	-	-	-	-	-	-	63.0	11,065	2.94	10.36	112.5	24.89
Chamois (MO)	-	-	-	-	-	-	63.0	11,065	2.94	10.36	112.5	24.89
Central Hudson Gas & Elec Corp	1.0	13,299	0.63	6.70	196.0	52.13	-	-	-	-	-	-
Danskammer (NY)	1.0	13,299	.63	6.70	196.0	52.13	-	-	-	-	-	-
Central Illinois Light Co	2,153.0	12,028	1.96	6.79	192.2	46.23	-	-	-	-	-	-
Edwards (IL)	1,256.0	13,074	.91	5.71	178.5	46.66	-	-	-	-	-	-
Duck Creek (IL)	897.0	10,563	3.43	8.29	215.9	45.61	-	-	-	-	-	-
Central Illinois Pub Serv Co	4,605.2	11,081	2.85	8.86	173.9	38.55	318.3	11,167	1.90	9.03	116.4	26.01
Coffeen (IL)	1,967.1	10,484	3.74	9.23	173.7	36.42	-	-	-	-	-	-
Grand Tower (IL)	307.4	11,567	2.85	11.92	142.0	32.86	32.6	11,129	2.55	12.52	120.5	26.81
Hutsonville (IL)	260.0	11,198	2.72	9.62	148.0	33.15	203.3	11,067	2.32	9.09	98.8	21.88
Meredosia (IL)	600.0	11,422	2.51	5.46	146.4	33.44	-	-	-	-	-	-
Newton (IL)	1,470.7	11,616	1.82	8.98	196.3	45.61	82.4	11,429	.62	7.49	156.9	35.87
Central Louisiana Elec Co Inc	3,666.0	7,506	.53	10.17	154.6	23.21	-	-	-	-	-	-
Dolet Hills (LA)	2,253.0	6,864	.58	12.61	118.0	16.19	-	-	-	-	-	-
Rodemacher (LA)	1,413.0	8,529	.46	6.27	201.6	34.39	-	-	-	-	-	-
Central Operating Co	1,214.4	12,471	.93	11.15	183.2	45.69	616.9	12,119	1.26	11.93	119.9	29.06
Sporn (WV)	1,214.4	12,471	.93	11.15	183.2	45.69	616.9	12,119	1.26	11.93	119.9	29.06
Central Power & Light Co	1,509.8	10,737	.34	4.68	231.0	49.61	281.9	10,911	.34	7.84	173.4	37.84
Coleto Creek (TX)	1,509.8	10,737	.34	4.68	231.0	49.61	281.9	10,911	.34	7.84	173.4	37.84
Cincinnati Gas & Electric Co	5,216.6	11,428	2.07	13.27	176.3	40.31	544.9	11,983	.81	11.46	123.7	29.64
Beckjord (OH)	1,465.6	11,160	2.06	15.74	180.4	40.26	41.4	11,144	1.92	13.21	99.6	22.19
Miami Fort (OH)	2,563.1	11,659	1.85	12.88	178.8	41.70	494.6	12,071	.70	11.32	125.8	30.37
East Bend (KY)	1,187.9	11,260	2.57	11.07	165.9	37.37	8.9	11,003	2.30	11.16	107.1	23.56
Cleveland Electric Illum Co	3,624.0	12,383	2.99	9.83	167.1	41.39	1,921.0	12,748	2.18	8.45	143.6	36.60
Ashtabula (OH)	605.0	12,192	3.89	10.36	151.0	36.81	580.0	13,023	2.52	6.57	135.3	35.25
Avon Lake (OH)	1,610.0	12,459	2.58	9.50	173.2	43.16	164.0	12,534	2.37	9.03	155.0	38.86
Eastlake (OH)	1,197.0	12,277	3.48	10.70	157.7	38.73	1,041.0	12,574	2.17	9.75	141.9	35.67
Lake Shore (OH)	212.0	12,953	.70	5.83	216.4	56.05	136.0	13,172	.62	5.81	177.5	46.76
Colorado Springs City of	1,494.0	10,655	.40	7.20	168.2	35.85	-	-	-	-	-	-
Drake (CO)	890.5	10,627	.36	6.35	174.7	37.14	-	-	-	-	-	-
Nixon (CO)	603.5	10,698	.46	8.45	158.7	33.95	-	-	-	-	-	-
Colorado Ute Electric Assn Inc	4,698.8	10,308	.40	7.94	92.0	18.96	11.8	10,444	1.86	11.34	51.6	10.78
Hayden (CO)	1,470.1	10,693	.45	10.39	75.7	16.19	8.8	10,348	1.85	11.97	48.3	10.01
Craig (CO)	3,228.7	10,133	.38	6.83	99.8	20.22	3.0	10,725	1.91	9.50	60.8	13.04
Columbia City of	52.2	10,979	3.78	10.16	160.0	35.14	-	-	-	-	-	-
Columbia (MO)	52.2	10,979	3.78	10.16	160.0	35.14	-	-	-	-	-	-
Columbus & Southern Ohio El Co	3,489.1	11,984	3.26	8.08	159.2	38.15	-	-	-	-	-	-
Conesville (OH)	3,178.9	12,022	3.24	7.87	162.9	39.17	-	-	-	-	-	-
Picway (OH)	189.8	11,634	3.63	10.33	123.7	28.79	-	-	-	-	-	-
Poston (OH)	120.4	11,518	3.33	10.16	113.0	26.03	-	-	-	-	-	-
Columbus City of	-	-	-	-	-	-	93.3	12,610	.73	8.01	171.9	43.36
Refuse & Coal (OH)	-	-	-	-	-	-	93.3	12,610	.73	8.01	171.9	43.36
Commonwealth Edison Co IN Inc	1,384.0	9,481	.43	4.64	284.4	53.93	-	-	-	-	-	-
State Line (IN)	1,384.0	9,481	.43	4.64	284.4	53.93	-	-	-	-	-	-
Commonwealth Edison Co	14,389.1	9,646	1.01	6.83	289.9	55.94	-	-	-	-	-	-
Crawford (IL)	891.2	9,576	.46	7.40	373.8	71.59	-	-	-	-	-	-
Joliet (IL)	2,810.0	9,520	.47	6.71	342.5	65.21	-	-	-	-	-	-
Kincaid (IL)	2,730.0	10,268	3.36	9.67	146.7	30.13	-	-	-	-	-	-
Powerton (IL)	3,942.0	9,433	.45	4.79	278.8	52.59	-	-	-	-	-	-
Waukegan (IL)	1,445.0	9,532	.47	6.83	331.6	63.22	-	-	-	-	-	-
Will County (IL)	2,170.9	9,532	.46	6.77	358.3	68.30	-	-	-	-	-	-
Fisk (IL)	400.0	9,575	.46	7.48	373.6	71.54	-	-	-	-	-	-
Consumers Power Co	6,148.9	12,228	1.06	9.52	191.8	46.91	1,054.7	12,347	.87	10.08	146.3	36.12
Cobb (MI)	651.6	12,563	.80	9.09	205.5	51.64	115.5	12,689	.99	9.43	146.5	37.18

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

Table 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Consumers Power Co												
Karn-Weadock (MI)	1,078.4	12,309	0.81	10.54	191.1	47.05	161.3	12,304	0.87	10.00	152.7	37.57
Campbell (MI)	3,361.5	12,060	1.26	9.42	191.8	46.25	181.7	12,619	.70	9.64	160.2	40.43
Weadock (MI)	624.5	12,549	.86	8.27	187.0	46.93	51.0	12,405	.94	8.30	141.5	35.11
Whiting (MI)	432.9	12,371	.80	10.26	179.9	44.50	545.2	12,191	.90	10.55	140.0	34.13
Coop Power Assn	**5,449.0**	**6,273**	**.72**	**10.38**	**92.8**	**11.65**	**316.9**	**6,315**	**.69**	**9.64**	**41.1**	**5.20**
Coal Creek (ND)	5,449.0	6,273	.72	10.38	92.8	11.65	316.9	6,315	.69	9.64	41.1	5.20
Dairyland Power Coop	**2,232.2**	**9,763**	**1.05**	**6.71**	**175.6**	**34.29**	**-**	**-**	**-**	**-**	**-**	**-**
Alma-Madgett (WI)	1,229.9	8,810	.50	5.23	188.4	33.20	-	-	-	-	-	-
Genoa No.3 (WI)	973.1	10,889	1.72	8.54	163.1	35.51	-	-	-	-	-	-
Stoneman (WI)	29.2	12,369	2.00	7.94	161.0	39.83	-	-	-	-	-	-
Dayton Power & Light Co	**5,181.8**	**11,779**	**1.25**	**13.67**	**194.0**	**45.71**	**2,936.6**	**11,910**	**1.36**	**11.90**	**118.5**	**28.22**
Hutchings (OH)	2.4	12,582	.70	9.32	204.2	51.38	190.2	12,541	.84	9.12	148.5	37.25
Stuart (OH)	4,807.8	11,721	1.29	13.90	194.2	45.51	1,640.6	11,267	1.88	13.97	107.1	24.15
Killen (OH)	371.6	12,521	.63	10.81	192.4	48.18	1,105.8	12,755	.69	9.31	128.2	32.71
Deepwater Operating Co	**177.0**	**13,081**	**.79**	**8.01**	**181.2**	**47.40**	**7.0**	**12,694**	**.87**	**11.00**	**159.3**	**40.44**
Deepwater (NJ)	177.0	13,081	.79	8.01	181.2	47.40	7.0	12,694	.87	11.00	159.3	40.44
Delmarva Power & Light Co	**1,944.3**	**13,000**	**.95**	**8.80**	**194.4**	**50.53**	**351.9**	**13,002**	**1.03**	**8.79**	**174.8**	**45.44**
Edgemoor (DE)	559.3	13,279	.71	7.69	191.5	50.86	112.8	13,193	.74	7.86	173.1	45.68
Indian River (DE)	1,385.0	12,887	1.04	9.25	195.5	50.40	239.1	12,912	1.17	9.24	175.6	45.34
Deseret Generation & Tran Coop	**654.8**	**10,645**	**.43**	**8.77**	**196.4**	**41.81**	**-**	**-**	**-**	**-**	**-**	**-**
Bonanza (UT)	654.8	10,645	.43	8.77	196.4	41.81	-	-	-	-	-	-
Detroit Edison Co	**14,063.0**	**11,406**	**.74**	**6.08**	**188.3**	**42.95**	**3,430.0**	**11,288**	**.62**	**6.21**	**140.4**	**31.70**
Conners Creek (MI)	128.0	12,707	.77	8.85	248.4	63.13	53.0	12,682	.77	8.41	169.2	42.92
Harbor Beach (MI)	75.0	12,834	.86	7.82	237.4	60.94	28.0	12,897	.82	8.47	156.6	40.40
Marysville (MI)	137.0	12,705	.80	8.68	235.2	59.76	3.0	12,490	.77	10.70	159.5	39.84
Monroe (MI)	4,675.0	13,145	1.00	6.83	177.6	46.68	1,384.0	12,967	.88	7.94	143.8	37.30
River Rouge (MI)	1,001.0	12,216	.82	10.07	214.9	52.50	146.0	12,436	.79	9.62	155.7	38.73
St Clair (MI)	3,695.0	10,016	.68	4.78	182.7	36.61	868.0	9,348	.34	3.97	128.8	24.08
Trenton Channel (MI)	1,092.0	12,860	.77	8.35	222.6	57.24	247.0	12,954	.78	7.61	164.0	42.50
Belle River (MI)	3,260.0	9,611	.38	4.22	182.8	35.14	701.0	9,371	.34	4.06	125.8	23.58
Duke Power Co	**8,227.3**	**12,539**	**.96**	**10.12**	**192.5**	**48.28**	**1,541.0**	**12,541**	**.93**	**9.91**	**138.2**	**34.65**
Allen (NC)	766.0	12,542	.97	10.94	185.0	46.39	-	-	-	-	-	-
Buck (NC)	60.0	12,902	.95	9.98	196.0	50.59	52.0	12,481	.79	10.23	144.0	35.94
Cliffside (NC)	588.0	12,555	1.01	10.05	192.1	48.25	155.0	12,486	.92	9.53	136.9	34.19
Dan River (NC)	6.0	12,374	.88	9.70	215.9	53.43	-	-	-	-	-	-
Marshall (NC)	2,166.3	12,615	.95	10.66	186.9	47.15	780.0	12,470	.92	9.99	139.9	34.90
Riverbend (NC)	145.0	12,763	1.03	9.69	192.4	49.12	98.0	12,673	.95	9.16	138.9	35.21
Lee (SC)	147.0	12,558	1.02	9.14	193.6	48.63	126.0	12,280	1.01	10.93	142.4	34.99
Belews Creek (NC)	4,349.0	12,485	.95	9.77	196.7	49.11	330.0	12,804	.93	9.68	132.0	33.79
Duquesne Light Co	**2,159.7**	**12,181**	**1.64**	**12.85**	**173.3**	**42.21**	**57.0**	**12,155**	**1.95**	**13.36**	**122.8**	**29.86**
Elrama (PA)	755.0	11,910	1.63	14.38	172.5	41.08	-	-	-	-	-	-
Phillips (PA)	349.0	12,253	1.86	12.37	172.4	42.25	8.0	12,258	2.02	13.38	114.9	28.17
Cheswick (PA)	1,055.7	12,351	1.57	11.91	174.1	43.02	49.0	12,138	1.94	13.35	124.1	30.13
East Kentucky Rural Elec Coop	**1,109.0**	**11,578**	**1.87**	**12.20**	**113.5**	**26.27**	**1,917.2**	**11,952**	**1.00**	**11.46**	**114.3**	**27.33**
Cooper (KY)	372.0	12,000	1.68	11.29	129.1	30.99	437.8	11,909	1.71	11.44	104.0	24.78
Dale (KY)	-	-	-	-	-	-	229.0	12,051	.82	10.40	111.3	26.82
Spurlock (KY)	737.0	11,364	1.97	12.65	105.1	23.89	1,250.4	11,949	.78	11.66	118.5	28.32
Eastern Iowa Light&Power Coop	**76.2**	**11,717**	**2.45**	**10.43**	**126.9**	**29.73**	**48.1**	**11,063**	**2.93**	**10.05**	**101.5**	**22.45**
Fair (IA)	76.2	11,717	2.45	10.43	126.9	29.73	48.1	11,063	2.93	10.05	101.5	22.45
Electric Energy Inc	**2,305.5**	**11,682**	**1.98**	**9.13**	**176.3**	**41.18**	**.9**	**12,372**	**2.21**	**7.91**	**174.3**	**43.13**
Joppa (IL)	2,305.5	11,682	1.98	9.13	176.3	41.18	.9	12,372	2.21	7.91	174.3	43.13
Empire District Electric Co	**440.0**	**10,571**	**6.10**	**23.43**	**120.1**	**25.38**	**392.4**	**11,912**	**2.90**	**11.97**	**131.4**	**31.30**
Riverton (KS)	-	-	-	-	-	-	280.1	12,046	2.72	11.44	134.4	32.38
Asbury (MO)	440.0	10,571	6.10	23.43	120.1	25.38	112.3	11,579	3.34	13.29	123.5	28.60
Florida Power Corp	**4,366.4**	**12,547**	**.83**	**9.15**	**194.6**	**48.84**	**1,293.8**	**12,878**	**.75**	**7.82**	**168.4**	**43.37**
Crystal River (FL)	4,366.4	12,547	.83	9.15	194.6	48.84	1,293.8	12,878	.75	7.82	168.4	43.37
Fremont City of	**101.6**	**12,214**	**.60**	**7.39**	**182.2**	**44.51**	**19.4**	**9,578**	**.34**	**6.31**	**165.0**	**31.61**
Wright (NE)	101.6	12,214	.60	7.39	182.2	44.51	19.4	9,578	.34	6.31	165.0	31.61

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 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Gainesville City of	-	-	-	-	-	-	509.7	13,238	0.78	6.06	172.4	45.65
Deerhaven (FL)	-	-	-	-	-	-	509.7	13,238	.78	6.06	172.4	45.65
Georgia Power Co	24,517.8	12,088	1.84	9.78	184.6	44.63	1,952.9	12,531	1.48	10.37	141.9	35.57
Arkwright (GA)	359.4	12,657	1.95	10.14	189.8	48.04	-	-	-	-	-	-
Atkinson-Mcdonough (GA)	1,276.2	11,746	2.50	9.31	179.4	42.15	122.1	12,256	1.86	11.27	127.1	31.17
Bowen (GA)	8,128.3	12,179	1.77	10.37	172.4	42.00	228.6	12,936	1.09	8.76	131.1	33.93
Hammond (GA)	1,887.5	12,594	1.73	9.53	160.8	40.49	366.7	12,555	1.49	11.11	143.8	36.11
Harllee Branch (GA)	2,844.3	12,547	1.20	10.47	186.1	46.70	1,043.7	12,455	1.53	10.33	142.1	35.40
Mitchell (GA)	352.2	12,830	1.32	9.07	199.1	51.09	111.9	12,518	1.32	10.54	167.8	42.01
Yates (GA)	2,946.7	11,644	2.36	10.61	179.7	41.86	74.9	12,746	1.47	10.72	147.8	37.67
Wansley (GA)	4,569.6	11,441	2.47	8.44	165.1	37.79	5.0	11,701	2.50	8.86	169.8	39.74
Scherer (GA)	2,153.6	12,658	.68	8.94	290.7	73.58	-	-	-	-	-	-
Grand Haven City of	50.3	10,780	2.36	11.01	181.8	39.19	54.3	11,402	3.02	9.74	148.0	33.75
J B Simms (MI)	50.3	10,780	2.36	11.01	181.8	39.19	54.3	11,402	3.02	9.74	148.0	33.75
Grand Island City of	208.1	8,116	.35	5.72	183.1	29.72	-	-	-	-	-	-
Platte (NE)	208.1	8,116	.35	5.72	183.1	29.72	-	-	-	-	-	-
Grand River Dam Authority	2,533.3	8,333	.36	5.00	137.9	22.98	50.0	11,761	3.65	10.82	128.3	30.19
GRDA No 1 (OK)	2,533.3	8,333	.36	5.00	137.9	22.98	50.0	11,761	3.65	10.82	128.3	30.19
Gulf Power Co	2,452.9	11,925	1.88	10.81	218.5	52.10	639.5	12,346	2.87	9.15	134.3	33.16
Crist (FL)	1,291.6	12,030	2.82	9.49	222.7	53.58	404.8	12,251	2.89	9.02	127.6	31.26
Scholtz (FL)	117.4	12,210	3.16	10.95	190.3	46.47	234.7	12,509	2.84	9.37	145.7	36.44
Smith (FL)	1,043.9	11,764	.57	12.42	216.4	50.91	-	-	-	-	-	-
Gulf States Utilities Co	2,303.0	8,586	.47	6.47	192.0	32.97	-	-	-	-	-	-
Nelson (LA)	2,303.0	8,586	.47	6.47	192.0	32.97	-	-	-	-	-	-
Hamilton City of	112.7	12,441	.67	8.97	149.5	37.19	-	-	-	-	-	-
Hamilton (OH)	112.7	12,441	.67	8.97	149.5	37.19	-	-	-	-	-	-
Hastings City of	134.3	8,159	.37	5.78	180.2	29.40	-	-	-	-	-	-
Hastings (NE)	134.3	8,159	.37	5.78	180.2	29.40	-	-	-	-	-	-
Henderson City of	121.0	11,243	2.38	10.28	151.3	34.02	-	-	-	-	-	-
Henderson (KY)	121.0	11,243	2.38	10.28	151.3	34.02	-	-	-	-	-	-
Holland City of	-	-	-	-	-	-	183.4	13,161	.90	6.87	177.0	46.59
James De Young (MI)	-	-	-	-	-	-	183.4	13,161	.90	6.87	177.0	46.59
Holyoke Water Power Co	-	-	-	-	-	-	373.7	13,085	1.35	7.51	193.6	50.66
Mount Tom (MA)	-	-	-	-	-	-	373.7	13,085	1.35	7.51	193.6	50.66
Hoosier Energy R E C Inc	2,131.0	10,867	3.23	9.64	168.6	36.65	226.4	11,139	3.28	11.39	96.5	21.51
Frank E Ratts (IN)	572.9	11,098	2.72	9.26	133.8	29.69	-	-	-	-	-	-
Merom (IN)	1,558.1	10,782	3.42	9.78	181.8	39.21	226.4	11,139	3.28	11.39	96.5	21.51
Houston Lighting & Power Co	12,844.8	7,868	.69	9.38	231.6	36.45	-	-	-	-	-	-
Limestone (TX)	4,000.3	6,701	1.41	17.42	188.4	25.25	-	-	-	-	-	-
Parish (TX)	8,844.5	8,396	.37	5.74	247.2	41.51	-	-	-	-	-	-
Illinois Power Co	6,688.0	10,998	2.56	9.87	146.8	32.30	981.7	11,838	1.12	10.57	133.9	31.70
Baldwin (IL)	4,586.7	10,844	2.80	10.42	146.9	31.87	-	-	-	-	-	-
Havana (IL)	35.3	12,225	.69	11.40	140.6	34.38	651.9	12,406	.64	9.94	142.3	35.30
Hennepin (IL)	1,010.3	10,812	2.83	10.40	143.0	30.92	-	-	-	-	-	-
Vermilion (IL)	299.0	10,827	2.50	11.65	132.6	28.71	329.8	10,715	2.08	11.81	114.7	24.59
Wood River (IL)	756.8	12,192	.86	5.02	156.1	38.06	-	-	-	-	-	-
Independence City of	-	-	-	-	-	-	145.2	12,119	3.59	11.02	161.4	39.13
Blue Valley (MO)	-	-	-	-	-	-	145.2	12,119	3.59	11.02	161.4	39.13
Indiana & Michigan Electric Co	6,030.0	9,335	1.16	6.58	191.5	35.76	343.0	11,231	3.25	10.42	110.9	24.90
Breed (IN)	673.7	11,070	4.22	10.88	148.1	32.78	82.2	10,973	4.11	10.90	136.3	29.91
Tanners Creek (IN)	1,489.1	11,777	1.97	8.57	176.9	41.66	260.8	11,312	2.99	10.27	103.1	23.32
Rockport (IN)	3,867.2	8,093	.32	5.07	210.1	34.01	-	-	-	-	-	-
Indiana-Kentucky Electric Corp	2,951.0	11,449	3.31	10.06	122.3	28.01	936.0	11,139	3.35	10.67	103.1	22.98
Clifty Creek (IN)	2,951.0	11,449	3.31	10.06	122.3	28.01	936.0	11,139	3.35	10.67	103.1	22.98
Indianapolis Power & Light Co	5,413.0	11,193	2.49	8.16	128.8	28.82	220.0	11,379	1.47	7.17	111.4	25.36
Stout (IN)	1,138.0	11,077	2.00	8.36	138.8	30.74	-	-	-	-	-	-

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 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Indianapolis Power & Light Co												
Pritchard (IN)	338.0	11,229	2.53	8.11	134.0	30.09	-	-	-	-	-	-
Petersburg (IN)	3,937.0	11,224	2.64	8.11	125.4	28.16	220.0	11,379	1.47	7.17	111.4	25.36
Interstate Power Co	**1,250.1**	**9,670**	**1.64**	**7.11**	**193.4**	**37.41**	**149.8**	**10,846**	**2.02**	**9.18**	**131.8**	**28.60**
Dubuque (IA)	128.6	11,052	2.96	9.32	164.9	36.45	2.9	10,906	2.54	9.40	104.6	22.82
Lansing (IA)	690.4	8,596	.55	5.14	222.0	38.16	-	-	-	-	-	-
Kapp (IA)	431.1	10,979	2.98	9.60	166.1	36.48	73.8	10,955	2.48	8.80	108.8	23.85
Fox Lake (MN)	-	-	-	-	-	-	73.1	10,734	1.53	9.56	156.6	33.62
Iowa Electric Light & Power Co	**688.0**	**11,328**	**2.23**	**8.07**	**141.3**	**32.01**	**16.0**	**10,422**	**2.62**	**10.10**	**139.1**	**28.99**
6th St (IA)	67.0	11,724	2.20	7.80	141.0	33.05	-	-	-	-	-	-
Praire Creek (IA)	418.0	11,697	2.21	7.83	140.7	32.92	-	-	-	-	-	-
Sutherland (IA)	203.0	10,439	2.30	8.64	142.7	29.79	16.0	10,422	2.62	10.10	139.1	28.99
Iowa Power & Light Co	**2,074.3**	**8,449**	**.35**	**5.62**	**113.9**	**19.25**	**96.4**	**8,341**	**.35**	**6.04**	**81.1**	**13.52**
Council Bluffs (IA)	2,074.3	8,449	.35	5.62	113.9	19.25	96.4	8,341	.35	6.04	81.1	13.52
Iowa Public Service Co	**1,981.7**	**9,449**	**.52**	**6.47**	**146.8**	**27.75**	**-**	**-**	**-**	**-**	**-**	**-**
George Neal 1-4 (IA)	1,981.7	9,449	.52	6.47	146.8	27.75	-	-	-	-	-	-
Iowa Southern Utilities Co	**2,252.4**	**8,551**	**.60**	**6.18**	**119.2**	**20.38**	**58.9**	**10,985**	**2.96**	**9.67**	**103.7**	**22.77**
Burlington (IA)	233.8	10,829	2.45	9.23	109.7	23.76	58.9	10,985	2.96	9.67	103.7	22.77
Ottumwa (IA)	2,018.6	8,287	.39	5.82	120.6	19.99	-	-	-	-	-	-
Iowa-Illinois Gas&Electric Co	**1,436.0**	**8,765**	**.77**	**6.54**	**129.8**	**22.74**	**687.0**	**8,584**	**.49**	**5.56**	**89.4**	**15.34**
Riverside (IA)	258.0	10,804	2.49	10.02	114.7	24.79	45.0	11,869	2.03	7.80	126.1	29.94
Louisa (IA)	1,178.0	8,318	.39	5.78	134.0	22.30	642.0	8,353	.38	5.40	85.7	14.32
Jacksonville Electric Auth	**204.0**	**11,728**	**3.83**	**12.81**	**142.6**	**33.45**	**-**	**-**	**-**	**-**	**-**	**-**
St Johns River (FL)	204.0	11,728	3.83	12.81	142.6	33.45	-	-	-	-	-	-
Jamestown City of	**-**	**-**	**-**	**-**	**-**	**-**	**122.3**	**12,741**	**1.49**	**9.50**	**140.1**	**35.69**
Samuel A Carlson (NY)	-	-	-	-	-	-	122.3	12,741	1.49	9.50	140.1	35.69
Kansas City City of	**1,068.4**	**8,706**	**.51**	**5.44**	**133.2**	**23.19**	**170.3**	**11,686**	**2.56**	**8.16**	**140.2**	**32.76**
Kaw (KS)	23.2	11,204	2.27	11.36	195.5	43.81	55.9	11,707	2.57	7.84	140.9	33.00
Quindaro (KS)	90.4	11,134	2.41	11.50	206.1	45.89	114.4	11,676	2.55	8.31	139.8	32.64
Nearman (KS)	954.7	8,416	.29	4.72	122.0	20.54	-	-	-	-	-	-
Kansas City Power & Light Co	**6,398.9**	**8,901**	**1.82**	**11.42**	**108.9**	**19.39**	**860.7**	**8,869**	**1.17**	**7.41**	**102.8**	**18.24**
La Cygne (KS)	3,059.4	8,812	2.53	14.55	118.7	20.92	7.4	8,289	.38	5.60	111.3	18.45
Hawthorne (MO)	643.1	8,748	.29	4.68	88.8	15.54	659.7	8,276	.40	5.92	89.6	14.84
Montrose (MO)	651.0	9,581	4.67	24.06	139.3	26.69	193.6	10,909	3.83	12.56	136.6	29.81
Iatan (MO)	2,045.4	8,865	.35	4.85	90.2	15.98	-	-	-	-	-	-
Kansas Power & Light Co	**8,522.3**	**8,571**	**.37**	**5.17**	**135.0**	**23.15**	**-**	**-**	**-**	**-**	**-**	**-**
Lawrence (KS)	693.5	10,723	.70	9.54	172.6	37.02	-	-	-	-	-	-
Tecumseh (KS)	173.9	10,731	.71	9.57	172.5	37.02	-	-	-	-	-	-
Jeffrey Energy Cnt (KS)	7,654.9	8,327	.34	4.68	129.6	21.58	-	-	-	-	-	-
Kentucky Power Co	**1,774.5**	**11,909**	**1.25**	**12.75**	**164.2**	**39.10**	**263.4**	**11,924**	**1.14**	**12.12**	**109.3**	**26.07**
Big Sandy (KY)	1,774.5	11,909	1.25	12.75	164.2	39.10	263.4	11,924	1.14	12.12	109.3	26.07
Kentucky Utilities Co	**2,140.9**	**12,341**	**1.62**	**8.01**	**190.9**	**47.12**	**2,734.4**	**11,972**	**1.87**	**10.94**	**118.9**	**28.47**
Brown (KY)	-	-	-	-	-	-	1,419.2	11,879	2.22	12.17	111.1	26.39
Ghent (KY)	2,140.9	12,341	1.62	8.01	190.9	47.12	790.8	12,187	1.07	10.08	139.7	34.06
Green River (KY)	-	-	-	-	-	-	468.7	11,854	2.27	8.74	105.9	25.11
Tyrone (KY)	-	-	-	-	-	-	55.6	12,301	.96	10.16	123.2	30.30
Lakeland City of	**261.4**	**12,236**	**1.50**	**10.57**	**213.8**	**52.33**	**-**	**-**	**-**	**-**	**-**	**-**
Plant 3-Mcintosh (FL)	261.4	12,236	1.50	10.57	213.8	52.33	-	-	-	-	-	-
Lansing City of	**657.8**	**13,024**	**.81**	**6.50**	**217.9**	**56.75**	**431.2**	**12,864**	**.79**	**8.55**	**171.6**	**44.15**
Eckert (MI)	352.7	13,028	.80	6.48	217.8	56.76	237.0	12,815	.79	9.02	167.9	43.02
Erickson (MI)	305.1	13,019	.81	6.52	217.9	56.74	161.4	12,833	.79	8.84	168.7	43.30
Ottawa (MI)	-	-	-	-	-	-	32.8	13,367	.81	3.80	211.2	56.45
Los Angeles City of	**1,243.3**	**11,652**	**.52**	**8.94**	**136.2**	**31.74**	**184.2**	**12,391**	**.59**	**8.48**	**98.7**	**24.46**
Intermountain (UT)	1,243.3	11,652	.52	8.94	136.2	31.74	184.2	12,391	.59	8.48	98.7	24.46
Louisville Gas & Electric Co	**3,007.6**	**11,147**	**3.31**	**12.01**	**141.0**	**31.44**	**773.5**	**11,449**	**3.17**	**9.90**	**112.9**	**25.85**
Cane Run (KY)	473.4	11,162	3.41	12.17	143.1	31.95	127.9	11,170	2.96	9.69	110.6	24.71
Mill Creek (KY)	2,534.2	11,144	3.30	11.98	140.6	31.34	645.6	11,504	3.21	9.94	113.3	26.08

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 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Lower Colorado River Authority	**3,142.0**	**8,885**	**0.37**	**5.70**	**177.6**	**31.57**	**44.0**	**6,243**	**1.32**	**14.33**	**188.6**	**23.55**
S Seymour-Fayette (TX)	3,142.0	8,885	.37	5.70	177.6	31.57	44.0	6,243	1.32	14.33	188.6	23.55
Madison Gas & Electric Co	**-**	**-**	**-**	**-**	**-**	**-**	**36.0**	**11,211**	**1.41**	**7.86**	**176.5**	**39.58**
Blount (WI)	-	-	-	-	-	-	36.0	11,211	1.41	7.86	176.5	39.58
Manitowoc City of	**3.3**	**13,494**	**.97**	**6.10**	**207.8**	**56.09**	**90.1**	**13,133**	**.93**	**7.22**	**185.3**	**48.66**
Manitowoc (WI)	3.3	13,494	.97	6.10	207.8	56.09	90.1	13,133	.93	7.22	185.3	48.66
Marquette City of	**131.4**	**9,620**	**.59**	**6.16**	**216.5**	**41.66**	**-**	**-**	**-**	**-**	**-**	**-**
Shiras (MI)	131.4	9,620	.59	6.16	216.5	41.66	-	-	-	-	-	-
Metropolitan Edison Co	**649.9**	**13,117**	**1.69**	**7.02**	**185.7**	**48.72**	**140.9**	**13,082**	**1.58**	**7.60**	**163.4**	**42.75**
Portland (PA)	371.6	12,869	1.91	7.97	193.8	49.88	43.9	12,698	2.11	8.93	169.9	43.14
Titus (PA)	278.3	13,447	1.40	5.75	175.4	47.18	97.0	13,255	1.34	7.00	160.6	42.57
Michigan South Central Pwr Agy	**91.6**	**11,763**	**3.37**	**10.61**	**192.8**	**45.35**	**-**	**-**	**-**	**-**	**-**	**-**
Project I (MI)	91.6	11,763	3.37	10.61	192.8	45.35	-	-	-	-	-	-
Minnesota Power & Light Co	**2,595.0**	**8,636**	**.78**	**8.38**	**142.8**	**24.66**	**170.7**	**9,126**	**.64**	**6.46**	**145.8**	**26.61**
Aurora-Syl Laskin (MN)	.4	8,340	1.01	10.80	213.7	35.65	32.0	11,719	1.33	11.79	177.2	41.54
Boswell (MN)	2,594.6	8,636	.78	8.38	142.8	24.66	138.7	8,528	.49	5.23	135.8	23.16
Minnkota Power Coop Inc	**3,309.7**	**6,750**	**.82**	**7.48**	**55.9**	**7.54**	**-**	**-**	**-**	**-**	**-**	**-**
Young (ND)	3,309.7	6,750	.82	7.48	55.9	7.54	-	-	-	-	-	-
Mississippi Power Co	**1,962.9**	**11,942**	**1.18**	**7.81**	**272.3**	**65.04**	**1,414.5**	**12,447**	**2.31**	**8.39**	**181.3**	**45.13**
Watson (MS)	688.7	12,249	2.37	7.52	181.1	44.37	1,309.8	12,372	2.44	8.59	180.1	44.56
Jackson Ct-Daniel (MS)	1,274.2	11,776	.54	7.96	323.6	76.20	104.7	13,380	.72	5.95	195.3	52.25
Missouri Public Service Comm	**790.0**	**10,952**	**3.22**	**10.63**	**179.0**	**39.21**	**-**	**-**	**-**	**-**	**-**	**-**
Sibley (MO)	790.0	10,952	3.22	10.63	179.0	39.21	-	-	-	-	-	-
Monongahela Power Co	**9,069.9**	**12,768**	**2.51**	**9.75**	**141.4**	**36.12**	**1,665.3**	**12,537**	**2.12**	**11.43**	**102.9**	**25.80**
Albright (WV)	313.7	12,307	1.55	12.25	108.5	26.71	162.6	12,277	1.41	12.77	87.7	21.53
Ft Martin (WV)	2,625.6	12,627	1.73	10.27	147.5	37.26	.8	12,000	1.77	9.70	108.3	25.99
Harrison (WV)	4,128.0	13,100	3.04	7.92	141.8	37.14	-	-	-	-	-	-
Rivesville (WV)	18.8	12,329	.92	10.72	175.4	43.25	146.7	12,435	.89	11.69	106.7	26.53
Willow Island (WV)	-	-	-	-	-	-	305.4	13,016	1.34	7.67	124.5	32.41
Pleasants (WV)	1,983.8	12,341	2.62	12.44	137.3	33.90	1,049.9	12,452	2.62	12.29	98.1	24.43
Montana Power Co	**7,308.0**	**8,598**	**.65**	**9.78**	**66.3**	**11.40**	**-**	**-**	**-**	**-**	**-**	**-**
Corette (MT)	392.0	8,624	.73	9.12	98.8	17.05	-	-	-	-	-	-
Colstrip (MT)	6,916.0	8,596	.64	9.82	64.4	11.08	-	-	-	-	-	-
Montana-Dakota Utilities Co	**2,311.4**	**6,868**	**.86**	**8.04**	**90.1**	**12.37**	**-**	**-**	**-**	**-**	**-**	**-**
Heskett (ND)	247.1	6,953	.73	8.00	111.2	15.46	-	-	-	-	-	-
Lewis and Clark (MT)	190.1	6,708	.57	7.43	124.0	16.63	-	-	-	-	-	-
Coyote (ND)	1,874.2	6,873	.90	8.11	83.9	11.53	-	-	-	-	-	-
Montaup Electric Co	**389.3**	**13,298**	**1.15**	**6.75**	**189.0**	**50.26**	**-**	**-**	**-**	**-**	**-**	**-**
Somerset (MA)	389.3	13,298	1.15	6.75	189.0	50.26	-	-	-	-	-	-
Muscatine City of	**-**	**-**	**-**	**-**	**-**	**-**	**484.3**	**11,280**	**3.12**	**6.21**	**191.0**	**43.10**
Muscatine (IA)	-	-	-	-	-	-	484.3	11,280	3.12	6.21	191.0	43.10
Nebraska Public Power District	**3,049.9**	**8,953**	**.36**	**4.93**	**101.2**	**18.13**	**3.5**	**10,756**	**.52**	**6.64**	**188.7**	**40.59**
Sheldon (NE)	105.0	11,199	.63	6.52	190.2	42.61	3.5	10,756	.52	6.64	188.7	40.59
Gerald Gentleman (NE)	2,944.9	8,872	.35	4.88	97.2	17.25	-	-	-	-	-	-
Nevada Power Co	**1,786.6**	**11,853**	**.53**	**9.11**	**203.5**	**48.25**	**-**	**-**	**-**	**-**	**-**	**-**
Gardner (NV)	1,786.6	11,853	.53	9.11	203.5	48.25	-	-	-	-	-	-
New England Power Co	**2,959.8**	**13,241**	**1.18**	**7.72**	**176.0**	**46.62**	**225.5**	**13,010**	**1.14**	**8.57**	**155.1**	**40.35**
Brayton (MA)	2,141.4	13,242	1.17	7.79	176.0	46.60	132.5	12,990	1.15	8.81	148.9	38.67
Salem Harbor (MA)	818.4	13,238	1.21	7.53	176.2	46.65	93.0	13,038	1.13	8.24	163.9	42.74
New York State Elec & Gas Corp	**2,293.3**	**12,455**	**2.11**	**11.68**	**166.8**	**41.55**	**892.1**	**12,273**	**1.69**	**12.93**	**150.6**	**36.97**
Goudey (NY)	74.2	12,183	1.90	12.45	186.8	45.52	204.3	12,285	1.85	13.22	149.5	36.73
Greenidge (NY)	75.7	12,113	1.82	12.39	186.7	45.22	269.1	12,258	1.84	12.53	151.7	37.20
Hickling (NY)	188.7	11,100	.84	21.03	146.7	32.58	40.6	11,207	.81	20.72	149.6	33.53
Jennison (NY)	112.0	11,492	.87	19.00	175.3	40.30	51.5	11,262	.72	19.96	172.1	38.77
Milliken (NY)	405.1	11,790	1.84	14.98	184.1	43.40	227.9	12,302	1.71	12.67	149.7	36.83
Somerset (NY)	1,437.6	12,928	2.48	8.88	162.1	41.91	98.7	13,185	1.81	7.13	142.8	37.66

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 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Niagara Mohawk Power Corp	**1,371.0**	**13,151**	**1.78**	**8.27**	**180.9**	**47.58**	**1,069.0**	**12,930**	**1.70**	**8.11**	**148.4**	**38.38**
Huntley (NY)	853.0	13,237	1.64	7.64	189.5	50.16	460.0	12,984	1.61	8.04	153.3	39.80
Dunkirk (NY)	518.0	13,009	2.03	9.30	166.6	43.35	609.0	12,889	1.77	8.16	144.7	37.31
Northern Indiana Pub Serv Co	**2,676.9**	**11,015**	**2.85**	**10.20**	**202.9**	**44.71**	**937.2**	**11,440**	**2.15**	**8.74**	**179.7**	**41.12**
Bailly (IN)	353.5	11,003	3.18	10.09	188.8	41.55	472.1	11,630	2.70	8.78	155.8	36.24
Michigan City (IN)	656.0	11,027	3.04	9.79	204.5	45.10	262.9	11,211	2.38	9.27	155.9	34.95
Rollin Schahfer (IN)	1,667.4	11,012	2.70	10.38	205.3	45.22	202.2	11,297	.55	7.95	267.8	60.52
Northern States Power Co	**6,025.2**	**8,689**	**.53**	**7.34**	**129.8**	**22.56**	**118.9**	**10,862**	**1.08**	**9.10**	**119.1**	**25.87**
Black Dog (MN)	49.0	8,691	.28	4.89	142.8	24.82	-	-	-	-	-	-
High Bridge (MN)	121.9	8,717	.32	4.40	146.7	25.57	92.3	11,284	1.25	10.07	120.2	27.13
King (MN)	1,209.5	8,764	.31	4.93	136.2	23.86	5.6	11,409	1.42	9.10	134.8	30.76
Riverside (MN)	330.4	8,787	.40	6.02	119.7	21.04	21.0	8,863	.23	4.80	107.3	19.02
Sh[illegible]ne County (MN)	4,314.4	8,660	.61	8.23	128.2	22.20	-	-	-	-	-	-
Ohio Edison Co	**4,204.2**	**12,343**	**1.99**	**11.34**	**144.8**	**35.74**	**3,872.1**	**11,937**	**2.06**	**11.29**	**119.0**	**28.40**
Edgewater (OH)	-	-	-	-	-	-	232.1	11,927	1.66	9.60	145.2	34.63
Gorge Steam (OH)	-	-	-	-	-	-	104.6	12,040	2.09	9.86	136.5	32.87
Niles (OH)	-	-	-	-	-	-	557.5	11,809	2.97	11.79	109.4	25.84
Burger (OH)	765.1	12,182	2.77	11.84	142.0	34.61	420.2	11,972	3.08	10.94	113.0	27.05
Sammis (OH)	3,395.5	12,381	1.80	11.22	145.6	36.05	2,287.1	11,957	1.52	11.40	120.4	28.80
Toronto (OH)	43.6	12,143	3.07	11.56	131.3	31.90	270.6	11,939	3.46	11.96	105.9	25.29
Ohio Power Co	**12,918.5**	**11,541**	**3.39**	**12.69**	**179.8**	**41.51**	**85.4**	**12,338**	**1.34**	**13.33**	**157.1**	**38.77**
Muskingum (OH)	3,330.1	11,444	4.40	11.87	165.6	37.90	-	-	-	-	-	-
Kammer (WV)	1,820.7	11,997	4.16	13.72	132.8	31.86	-	-	-	-	-	-
Mitchell (WV)	2,428.7	11,879	1.42	15.95	195.6	46.47	82.5	12,353	1.27	13.30	158.0	39.04
Gavin (OH)	5,339.0	11,293	3.39	11.37	198.3	44.80	2.9	11,899	3.38	14.10	131.2	31.22
Ohio Valley Electric Corp	**2,317.0**	**12,276**	**3.68**	**9.17**	**161.8**	**39.73**	**825.0**	**11,169**	**3.45**	**11.26**	**109.7**	**24.51**
Kyger Creek (OH)	2,317.0	12,276	3.68	9.17	161.8	39.73	825.0	11,169	3.45	11.26	109.7	24.51
Oklahoma Gas & Electric Co	**5,587.8**	**8,898**	**.35**	**4.83**	**160.6**	**28.58**	**218.3**	**11,072**	**.83**	**6.54**	**140.9**	**31.21**
Muskogee (OK)	2,945.1	8,902	.35	4.82	157.0	27.96	198.3	10,886	.85	6.61	138.2	30.08
Sooner (OK)	2,642.7	8,894	.35	4.84	164.6	29.28	20.0	12,914	.60	5.81	164.1	42.38
Omaha Public Power District	**1,738.3**	**8,236**	**.28**	**4.66**	**99.5**	**16.39**	**525.5**	**8,560**	**.33**	**4.94**	**62.1**	**10.64**
North Omaha (NE)	878.2	8,237	.28	4.65	98.1	16.16	156.8	8,390	.33	5.38	59.8	10.04
Nebraska City (NE)	860.1	8,234	.27	4.67	100.9	16.61	368.7	8,632	.33	4.75	63.1	10.89
Otter Tail Power Co	**2,094.0**	**6,173**	**.91**	**8.04**	**130.3**	**16.09**	**-**	**-**	**-**	**-**	**-**	**-**
Hoot Lake (MN)	228.0	6,893	.82	7.57	175.7	24.22	-	-	-	-	-	-
Big Stone (SD)	1,866.0	6,085	.93	8.09	124.1	15.10	-	-	-	-	-	-
Owensboro City of	**813.1**	**10,839**	**2.94**	**11.70**	**156.4**	**33.90**	**-**	**-**	**-**	**-**	**-**	**-**
Smith (KY)	813.1	10,839	2.94	11.70	156.4	33.90	-	-	-	-	-	-
Pacific Power & Light Co	**15,612.0**	**8,579**	**.59**	**11.29**	**116.9**	**20.06**	**239.0**	**8,217**	**.58**	**12.94**	**117.6**	**19.33**
Centralia (WA)	4,460.0	8,100	.69	14.64	170.4	27.60	199.0	8,100	.65	14.63	128.2	20.77
Johnston (WY)	3,051.0	7,539	.44	10.39	85.4	12.88	40.0	8,800	.24	4.50	69.2	12.18
Wyodak (WY)	1,470.0	8,082	.58	6.90	49.6	8.02	-	-	-	-	-	-
Jim Bridger (WY)	6,631.0	9,491	.58	10.44	110.4	20.96	-	-	-	-	-	-
Painesville City of	**-**	**-**	**-**	**-**	**-**	**-**	**70.3**	**12,253**	**2.30**	**7.78**	**135.2**	**33.13**
Painesville (OH)	-	-	-	-	-	-	70.3	12,253	2.30	7.78	135.2	33.13
Pennsylvania Electric Co	**14,241.0**	**12,129**	**1.90**	**15.89**	**137.2**	**33.27**	**1,464.0**	**12,091**	**1.64**	**13.18**	**112.8**	**27.27**
Conemaugh (PA)	4,239.0	12,406	2.30	14.86	145.9	36.21	11.0	12,256	2.03	12.66	110.2	27.01
Front St (PA)	81.0	12,553	1.71	10.88	144.9	36.39	116.0	12,350	1.81	9.84	133.8	33.06
Homer City (PA)	4,051.0	11,556	1.89	19.35	142.9	33.03	285.0	11,940	.96	13.82	130.5	31.16
Seward (PA)	154.0	12,166	1.46	13.65	112.5	27.37	361.0	12,160	1.48	13.90	107.0	26.02
Shawville (PA)	1,044.0	12,335	1.91	13.23	130.3	32.14	573.0	12,079	2.02	13.36	102.0	24.64
Warren (PA)	89.0	12,292	1.57	12.73	124.6	30.62	118.0	12,029	1.70	11.87	119.8	28.83
Keystone (PA)	4,583.0	12,322	1.56	14.61	126.7	31.22	-	-	-	-	-	-
Pennsylvania Power & Light Co	**6,669.0**	**12,495**	**1.72**	**13.15**	**179.4**	**44.82**	**2,364.0**	**11,758**	**1.54**	**16.06**	**133.0**	**31.27**
Brunner Island (PA)	3,141.0	12,511	1.86	13.00	178.4	44.65	380.0	12,618	1.85	11.70	142.1	35.86
Holtwood (PA)	39.0	7,318	.50	36.67	75.5	11.04	74.0	8,953	.65	26.26	121.3	21.72
Martins Creek (PA)	726.0	12,741	1.96	12.30	195.1	49.71	30.0	12,864	1.95	11.50	153.6	39.51
Montour (PA)	2,370.0	12,552	1.47	13.15	180.7	45.36	1,143.0	12,692	1.70	12.02	142.2	36.11
Sunbury (PA)	393.0	12,075	1.82	13.49	154.3	37.26	737.0	10,103	1.21	23.75	108.9	22.01
Pennsylvania Power Co	**3,190.7**	**12,132**	**3.87**	**11.63**	**196.1**	**47.58**	**4,278.4**	**12,101**	**3.11**	**11.65**	**122.9**	**29.74**

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 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Pennsylvania Power Co												
New Castle (PA)	289.7	12,284	1.28	10.26	146.8	36.06	620.9	12,336	1.40	9.17	119.7	29.53
Bruce Mansfield (PA)	2,901.0	12,117	4.13	11.77	201.1	48.73	3,657.5	12,061	3.40	12.07	123.4	29.78
Philadelphia Electric Co	-	-	-	-	-	-	**585.0**	**13,055**	**1.52**	**7.57**	**154.8**	**40.41**
Cromby (PA)	-	-	-	-	-	-	150.0	12,947	1.69	7.65	152.3	39.44
Eddystone (PA)	-	-	-	-	-	-	435.0	13,092	1.46	7.54	155.6	40.74
Plains Elec Gen&Trans Coop Inc	**605.0**	**9,478**	**.77**	**13.91**	**164.5**	**31.18**	-	-	-	-	-	-
Escalante (NM)	605.0	9,478	.77	13.91	164.5	31.18	-	-	-	-	-	-
Platte River Power Authority	**1,045.9**	**8,845**	**.26**	**4.77**	**106.9**	**18.90**	-	-	-	-	-	-
Rawhide (CO)	1,045.9	8,845	.26	4.77	106.9	18.90	-	-	-	-	-	-
Potomac Edison Co	**60.0**	**12,792**	**.97**	**9.92**	**138.7**	**35.49**	**103.8**	**12,388**	**.91**	**12.34**	**118.7**	**29.40**
Smith (MD)	60.0	12,792	.97	9.92	138.7	35.49	103.8	12,388	.91	12.34	118.7	29.40
Potomac Electric Power Co	**4,691.9**	**12,631**	**1.51**	**10.97**	**168.8**	**42.65**	**1,072.5**	**12,663**	**1.41**	**11.39**	**154.4**	**39.12**
Chalk (MD)	928.6	12,590	1.57	11.82	170:3	42.89	218.3	12,612	1.53	12.32	151.1	38.12
Dickerson (MD)	1,016.0	12,660	1.40	10.37	155.2	39.29	184.5	12,661	1.35	11.32	141.5	35.84
Morgantown (MD)	2,146.3	12,519	1.71	11.83	171.2	42.86	440.1	12,576	1.68	12.12	152.7	38.40
Potomac River (VA)	601.0	13,046	.87	7.63	181.0	47.21	229.6	12,881	.81	9.18	171.1	44.07
Public Service Co of Colorado	**6,001.8**	**9,266**	**.37**	**6.14**	**126.9**	**23.52**	**169.0**	**10,578**	**.34**	**6.45**	**123.2**	**26.07**
Arapahoe (CO)	174.1	11,048	.44	8.95	153.1	33.83	10.5	10,956	.66	10.22	135.2	29.63
Cameo (CO)	126.9	11,504	.44	8.28	136.5	31.41	-	-	-	-	-	-
Cherokee (CO)	1,441.4	10,924	.45	9.15	136.0	29.72	-	-	-	-	-	-
Comanche (CO)	2,027.7	8,477	.33	4.71	123.2	20.88	-	-	-	-	-	-
Valmont (CO)	238.8	10,979	.45	9.25	160.6	35.27	158.5	10,553	.32	6.20	122.4	25.83
Pawnee (CO)	1,993.0	8,365	.33	4.67	113.1	18.92	-	-	-	-	-	-
Public Service Co of IN Inc	**10,890.3**	**10,692**	**2.43**	**10.71**	**147.9**	**31.63**	**259.9**	**12,034**	**3.02**	**10.78**	**131.8**	**31.73**
Cayuga (IN)	2,442.8	10,414	2.42	12.36	134.0	27.91	-	-	-	-	-	-
Edwardsport (IN)	30.9	10,939	2.53	9.50	121.4	26.57	-	-	-	-	-	-
Noblesville (IN)	-	-	-	-	-	-	4.9	10,940	4.09	12.70	130.5	28.55
Gallagher (IN)	592.6	11,106	3.03	9.67	144.1	32.00	187.6	12,370	3.26	10.93	131.9	32.62
Wabash River (IN)	817.4	10,917	2.13	10.33	138.9	30.33	67.4	11,180	2.25	10.22	131.8	29.47
Gibson Station (IN)	7,006.6	10,727	2.42	10.27	154.1	33.07	-	-	-	-	-	-
Public Service Co of NH	**862.0**	**13,432**	**2.12**	**7.69**	**196.7**	**52.85**	**90.3**	**13,554**	**1.23**	**4.99**	**220.8**	**59.84**
Merrimack (NH)	718.4	13,517	2.34	7.55	191.7	51.82	80.1	13,527	1.26	4.82	223.6	60.50
Schiller (NH)	143.6	13,007	1.00	8.38	222.9	57.99	10.2	13,765	.98	6.36	198.6	54.66
Public Service Co of NM	**5,876.2**	**9,456**	**.79**	**20.68**	**132.5**	**25.06**	-	-	-	-	-	-
San Juan (NM)	5,876.2	9,456	.79	20.68	132.5	25.06	-	-	-	-	-	-
Public Service Co of Oklahoma	**2,921.0**	**8,352**	**.43**	**5.98**	**194.1**	**32.42**	-	-	-	-	-	-
Northeastern (OK)	2,921.0	8,352	.43	5.98	194.1	32.42	-	-	-	-	-	-
Public Service Electric&Gas Co	**1,161.8**	**13,331**	**1.00**	**7.31**	**190.1**	**50.67**	**598.9**	**13,346**	**1.01**	**7.28**	**168.1**	**44.86**
Hudson (NJ)	540.2	13,215	.96	8.08	179.7	47.51	432.4	13,235	.97	7.88	163.7	43.33
Mercer (NJ)	621.6	13,433	1.03	6.64	198.9	53.43	166.5	13,635	1.10	5.75	179.1	48.84
Richmond City of	**171.0**	**11,017**	**2.03**	**10.79**	**180.1**	**39.69**	**20.7**	**11,776**	**3.17**	**10.16**	**129.9**	**30.60**
Whitewater (IN)	171.0	11,017	2.03	10.79	180.1	39.69	20.7	11,776	3.17	10.16	129.9	30.60
Rochester City of	**112.7**	**12,250**	**1.62**	**7.06**	**210.8**	**51.64**	-	-	-	-	-	-
Silver Lake (MN)	112.7	12,250	1.62	7.06	210.8	51.64	-	-	-	-	-	-
Rochester Gas & Electric Corp	**516.8**	**13,115**	**2.30**	**7.78**	**176.5**	**46.28**	**31.0**	**12,628**	**2.13**	**9.47**	**171.3**	**43.25**
Rochester 3 (NY)	130.0	13,170	2.39	7.98	176.5	46.49	5.9	12,734	2.00	7.91	171.2	43.60
Rochester 7 (NY)	386.8	13,096	2.27	7.71	176.4	46.22	25.1	12,602	2.16	9.84	171.3	43.17
S Mississippi Elec Pwr Assn	**313.1**	**12,437**	**.92**	**7.85**	**225.1**	**56.00**	**510.1**	**12,597**	**.92**	**8.37**	**207.5**	**52.27**
R D Morrow (MS)	313.1	12,437	.92	7.85	225.1	56.00	510.1	12,597	.92	8.37	207.5	52.27
Salt River Proj Ag I & P Dist	**8,620.3**	**10,873**	**.50**	**10.04**	**117.7**	**25.59**	-	-	-	-	-	-
Navajo (AZ)	6,628.2	11,034	.50	8.68	88.9	19.61	-	-	-	-	-	-
Coronado (AZ)	1,992.1	10,337	.53	14.56	219.9	45.46	-	-	-	-	-	-
San Antonio City of	**2,614.0**	**8,267**	**.41**	**5.89**	**173.6**	**28.71**	**198.5**	**8,347**	**.40**	**5.93**	**159.0**	**26.54**
J T Deely (TX)	2,614.0	8,267	.41	5.89	173.6	28.71	198.5	8,347	.40	5.93	159.0	26.54
San Miguel Electric Coop Inc	**2,364.9**	**5,362**	**1.80**	**24.84**	**119.2**	**12.78**	-	-	-	-	-	-
San Miquel (TX)	2,364.9	5,362	1.80	24.84	119.2	12.78	-	-	-	-	-	-

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

Table 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Savannah Electric & Power Co	-	-	-	-	-	-	**858.3**	**12,933**	**0.86**	**8.79**	**168.3**	**43.52**
Port Wentworth (GA)	-	-	-	-	-	-	443.5	12,974	.83	9.11	168.1	43.63
McIntosh (GA)	-	-	-	-	-	-	414.8	12,889	.89	8.45	168.4	43.41
Seminole Electric Coop Inc	**2,504.0**	**12,094**	**2.66**	**8.23**	**211.9**	**51.25**	**448.0**	**11,975**	**3.19**	**11.08**	**169.0**	**40.48**
Seminole (FL)	2,504.0	12,094	2.66	8.23	211.9	51.25	448.0	11,975	3.19	11.08	169.0	40.48
Sierra Pacific Power Co	**1,071.5**	**11,166**	**.35**	**8.22**	**187.6**	**41.90**	-	-	-	-	-	-
North Valmy (NV)	1,071.5	11,166	.35	8.22	187.6	41.90	-	-	-	-	-	-
Sikeston City of	**303.6**	**11,198**	**2.59**	**11.50**	**127.8**	**28.63**	-	-	-	-	-	-
Sikeston (MO)	303.6	11,198	2.59	11.50	127.8	28.63	-	-	-	-	-	-
South Carolina Electric&Gas Co	**3,223.8**	**12,910**	**1.26**	**9.02**	**183.6**	**47.40**	**392.7**	**13,088**	**1.36**	**8.36**	**152.0**	**39.79**
Canadys (SC)	636.1	12,957	1.51	9.55	174.7	45.28	177.0	13,154	1.35	8.75	150.9	39.71
Mcmeekin (SC)	525.2	13,001	1.36	8.91	187.1	48.64	7.7	12,489	1.59	7.80	150.4	37.57
Urguhart (SC)	393.8	12,872	1.17	9.48	176.7	45.50	127.2	13,149	1.42	7.63	153.0	40.23
Wateree (SC)	841.1	12,864	1.30	9.12	186.4	47.95	35.6	12,857	1.11	8.72	153.4	39.46
Williams (SC)	827.6	12,880	1.00	8.35	188.5	48.57	45.2	12,942	1.37	8.68	152.4	39.44
South Carolina Pub Serv Auth	**2,941.6**	**12,364**	**1.16**	**10.08**	**191.6**	**47.38**	**512.4**	**12,710**	**1.43**	**8.94**	**161.0**	**40.92**
Cross (SC)	1,070.5	12,448	1.09	9.70	192.6	47.96	8.9	12,506	.94	8.80	145.0	36.27
Grainger (SC)	-	-	-	-	-	-	304.0	12,777	1.70	9.51	160.6	41.05
Jefferies (SC)	515.6	12,280	1.63	10.92	183.8	45.13	-	-	-	-	-	-
Winyah (SC)	1,355.6	12,330	1.04	10.07	193.7	47.78	199.4	12,618	1.03	8.07	162.2	40.92
Southern California Edison Co	**4,756.4**	**10,998**	**.55**	**9.84**	**102.0**	**22.43**	-	-	-	-	-	-
Mohave (NV)	4,756.4	10,998	.55	9.84	102.0	22.43	-	-	-	-	-	-
Southern Illinois Power Coop	**404.0**	**11,563**	**3.85**	**16.65**	**115.0**	**26.61**	**333.0**	**9,504**	**2.40**	**20.67**	**65.9**	**12.53**
Marion (IL)	404.0	11,563	3.85	16.65	115.0	26.61	333.0	9,504	2.40	20.67	65.9	12.53
Southern Indiana Gas & Elec Co	**2,241.7**	**11,218**	**3.41**	**9.08**	**151.0**	**33.87**	**58.0**	**11,226**	**1.60**	**8.12**	**112.9**	**25.35**
Culley (IN)	626.9	11,037	3.09	9.05	143.2	31.62	58.0	11,226	1.60	8.12	112.9	25.35
A B Brown (IN)	1,198.5	11,464	3.65	8.80	161.3	36.98	-	-	-	-	-	-
Warrick (IN)	416.3	10,784	3.22	9.92	131.2	28.29	-	-	-	-	-	-
Southwestern Electric Power Co	**9,244.0**	**7,939**	**.62**	**6.23**	**165.8**	**26.33**	-	-	-	-	-	-
Flint Creek (AR)	1,667.0	8,372	.34	4.67	149.7	25.06	-	-	-	-	-	-
Welsh Station (TX)	5,057.0	8,359	.33	4.66	193.9	32.42	-	-	-	-	-	-
Pirkey (TX)	2,520.0	6,811	1.39	10.42	109.6	14.93	-	-	-	-	-	-
Southwestern Public Service Co	**6,803.0**	**8,857**	**.37**	**4.94**	**168.1**	**29.78**	-	-	-	-	-	-
Harrington (TX)	3,556.0	8,882	.37	4.95	155.4	27.60	-	-	-	-	-	-
Tolk (TX)	3,247.0	8,829	.37	4.92	182.2	32.17	-	-	-	-	-	-
Springfield City of	**716.5**	**12,694**	**3.97**	**11.00**	**120.0**	**30.45**	-	-	-	-	-	-
James River (MO)	402.4	12,562	4.03	11.75	120.6	30.30	-	-	-	-	-	-
Southwest (MO)	314.1	12,863	3.89	10.03	119.1	30.65	-	-	-	-	-	-
Springfield City of	**787.6**	**10,344**	**2.89**	**9.20**	**164.4**	**34.00**	-	-	-	-	-	-
Dallman (IL)	710.2	10,344	2.89	9.20	164.9	34.12	-	-	-	-	-	-
Lakeside (IL)	77.4	10,343	2.89	9.19	159.1	32.92	-	-	-	-	-	-
St Joseph Light & Power Co	-	-	-	-	-	-	**107.1**	**12,163**	**3.70**	**16.11**	**143.7**	**34.97**
Lakeroad (MO)	-	-	-	-	-	-	107.1	12,163	3.70	16.11	143.7	34.97
Sunflower Electric Coop Inc	**794.8**	**8,319**	**.38**	**5.52**	**145.4**	**24.18**	-	-	-	-	-	-
Holcomb (KS)	794.8	8,319	.38	5.52	145.4	24.18	-	-	-	-	-	-
Tampa Electric Co	**4,621.3**	**12,053**	**2.20**	**8.00**	**198.1**	**47.74**	**1,010.5**	**12,378**	**2.11**	**8.40**	**151.7**	**37.56**
Big Bend (FL)	4,170.4	11,949	2.32	8.19	194.5	46.49	1,010.5	12,378	2.11	8.40	151.7	37.56
Gannon (FL)	450.9	13,013	1.05	6.18	227.9	59.32	-	-	-	-	-	-
Tennessee Valley Authority	**27,075.3**	**11,749**	**2.41**	**11.15**	**148.0**	**34.79**	**9,530.9**	**11,982**	**1.80**	**9.71**	**119.9**	**28.73**
Colbert (AL)	2,619.4	11,685	2.34	11.60	204.6	47.81	923.2	11,480	2.01	11.27	123.1	28.27
Widows Creek (AL)	840.9	12,073	2.12	11.70	140.9	34.03	1,835.0	12,201	2.09	10.11	119.9	29.26
Paradise (KY)	5,001.6	10,998	4.10	15.02	106.8	23.48	-	-	-	-	-	-
Shawnee (KY)	1,464.4	12,491	1.27	8.96	162.7	40.66	1,386.8	12,198	.80	9.80	128.9	31.44
Allen (TN)	1,203.4	12,145	2.33	8.54	140.2	34.04	313.4	11,679	2.05	7.88	115.2	26.90
Bull Run (TN)	2,214.2	11,410	.85	14.30	189.2	43.19	-	-	-	-	-	-
Cumberland (TN)	6,000.5	11,570	2.77	8.59	140.5	32.51	1,076.7	12,137	2.82	9.36	109.4	26.55
Gallatin (TN)	2,667.9	12,397	2.71	8.24	149.8	37.15	-	-	-	-	-	-
Sevier (TN)	1,394.0	12,684	1.32	10.32	136.6	34.66	627.3	12,226	1.69	12.16	112.2	27.44

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

Table 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Tennessee Valley Authority												
Johnsonville (TN)	569.7	11,597	1.75	10.56	126.1	29.25	2,543.8	11,718	1.81	8.10	123.3	28.90
Kingston (TN)	3,099.2	12,060	1.12	12.14	154.2	37.18	824.6	12,238	1.23	11.14	112.5	27.54
Texas Municipal Power Agency	**2,685.3**	**4,749**	**.95**	**24.89**	**153.9**	**14.62**	**278.0**	**4,715**	**.93**	**25.50**	**152.5**	**14.38**
Gibbons Creek (TX)	2,685.3	4,749	.95	24.89	153.9	14.62	278.0	4,715	.93	25.50	152.5	14.38
Texas Utilities Electric Co	**30,408.0**	**6,476**	**.67**	**14.59**	**97.2**	**12.59**	**-**	**-**	**-**	**-**	**-**	**-**
Big Brown (TX)	5,175.0	6,964	.69	13.22	86.8	12.09	-	-	-	-	-	-
Martin Lake (TX)	12,656.0	6,658	.77	11.79	115.2	15.34	-	-	-	-	-	-
Monticello (TX)	11,988.0	6,093	.54	17.88	82.2	10.02	-	-	-	-	-	-
Sandow No 4 (TX)	589.0	6,076	.97	19.60	85.2	10.35	-	-	-	-	-	-
Toledo Edison Co	**1,234.9**	**13,265**	**1.24**	**6.62**	**214.6**	**56.94**	**448.5**	**13,108**	**.85**	**7.44**	**152.2**	**39.90**
Acme (OH)	-	-	-	-	-	-	255.9	13,102	.64	7.74	158.0	41.39
Bay Shore (OH)	1,234.9	13,265	1.24	6.62	214.6	56.94	192.6	13,116	1.13	7.05	144.6	37.92
Union Electric Co	**9,512.3**	**11,204**	**2.07**	**9.31**	**164.0**	**36.75**	**193.0**	**10,982**	**1.13**	**8.18**	**140.3**	**30.81**
Labadie (MO)	4,948.0	11,358	2.43	8.69	161.2	36.61	-	-	-	-	-	-
Meramec (MO)	369.0	11,700	1.28	7.10	178.1	41.68	165.0	11,352	1.26	8.74	132.2	30.02
Sioux (MO)	1,646.0	11,394	2.76	9.08	156.1	35.58	28.0	8,800	.34	4.90	201.7	35.51
Rush Island (MO)	2,549.3	10,709	1.03	10.97	173.0	37.05	-	-	-	-	-	-
United Illuminating Co	**817.0**	**13,172**	**.51**	**6.76**	**227.1**	**59.83**	**-**	**-**	**-**	**-**	**-**	**-**
Bridgeport Harbor (CT)	817.0	13,172	.51	6.76	227.1	59.83	-	-	-	-	-	-
United Power Assn	**1,127.0**	**6,726**	**.60**	**9.11**	**98.7**	**13.28**	**-**	**-**	**-**	**-**	**-**	**-**
Stanton (ND)	1,127.0	6,726	.60	9.11	98.7	13.28	-	-	-	-	-	-
Upper Peninsula Generating Co	**-**	**-**	**-**	**-**	**-**	**-**	**761.0**	**12,669**	**.89**	**9.25**	**161.0**	**40.78**
Presque Isle (MI)	-	-	-	-	-	-	761.0	12,669	.89	9.25	161.0	40.78
Utah Power & Light Co	**6,434.0**	**10,918**	**.56**	**10.60**	**132.7**	**28.99**	**630.0**	**12,328**	**.52**	**8.39**	**135.8**	**33.48**
Carbon (UT)	492.0	11,766	.57	6.77	169.5	39.88	-	-	-	-	-	-
Gadsby (UT)	106.0	11,767	.61	6.42	197.2	46.42	-	-	-	-	-	-
Naughton (WY)	1,768.0	9,610	.78	6.60	119.1	22.88	-	-	-	-	-	-
Emery-Hunter (UT)	2,085.0	11,394	.48	12.12	124.8	28.45	544.0	12,254	.53	8.78	136.5	33.47
Huntington (UT)	1,983.0	11,326	.44	13.73	138.4	31.35	86.0	12,793	.48	5.95	131.2	33.57
Vineland City of	**46.3**	**12,919**	**.96**	**10.00**	**190.8**	**49.30**	**-**	**-**	**-**	**-**	**-**	**-**
H M Down (NJ)	46.3	12,919	.96	10.00	190.8	49.30	-	-	-	-	-	-
Virginia Electric & Power Co	**5,935.0**	**12,707**	**1.38**	**10.70**	**158.7**	**40.34**	**2,922.0**	**12,453**	**1.28**	**11.64**	**133.2**	**33.18**
Bremo Bluff (VA)	233.0	12,584	.80	9.45	169.1	42.56	269.0	12,605	.94	9.91	153.1	38.59
Chesterfield (VA)	1,538.0	12,975	.94	8.31	170.4	44.22	843.0	12,821	1.01	8.52	154.5	39.63
Portsmouth (VA)	589.0	13,193	1.02	7.73	171.8	45.32	219.0	13,058	.94	8.26	151.0	39.43
Possum Point (VA)	287.0	13,179	.96	6.00	175.0	46.13	330.0	12,760	1.01	9.03	154.3	39.38
Yorktown (VA)	373.0	13,131	1.38	6.89	169.6	44.54	112.0	12,844	1.14	8.29	157.1	40.34
Mount Storm (WV)	2,915.0	12,376	1.77	13.61	145.4	36.00	1,149.0	11,906	1.70	16.05	98.7	23.50
West Penn Power Co	**4,616.2**	**12,792**	**2.23**	**9.90**	**140.7**	**35.98**	**422.4**	**12,313**	**1.83**	**11.71**	**103.1**	**25.38**
Armstrong (PA)	547.1	12,826	1.72	9.64	146.3	37.54	422.4	12,313	1.83	11.71	103.1	25.38
Hatfield (PA)	3,706.4	12,825	2.29	9.77	140.7	36.08	-	-	-	-	-	-
Mitchell (PA)	362.7	12,400	2.40	11.56	131.6	32.63	-	-	-	-	-	-
West Texas Utilities Co	**719.0**	**8,269**	**.31**	**4.91**	**163.3**	**27.01**	**-**	**-**	**-**	**-**	**-**	**-**
Oklaunion (TX)	719.0	8,269	.31	4.91	163.3	27.01	-	-	-	-	-	-
Western Farmers Elec Coop Inc	**696.6**	**8,304**	**.45**	**5.77**	**169.8**	**28.20**	**-**	**-**	**-**	**-**	**-**	**-**
Hugo (OK)	696.6	8,304	.45	5.77	169.8	28.20	-	-	-	-	-	-
Wisconsin Electric Power Co	**4,128.6**	**10,130**	**1.05**	**6.15**	**160.2**	**32.46**	**2,363.6**	**9,257**	**.57**	**5.66**	**132.9**	**24.60**
Oak Creek (WI)	1,453.7	11,843	1.99	7.78	170.7	40.44	316.5	12,447	1.56	7.29	147.3	36.67
Port Washington (WI)	236.4	13,236	1.53	5.76	160.5	42.50	-	-	-	-	-	-
Valley (WI)	306.7	12,790	1.44	8.22	187.2	47.88	175.8	12,825	1.41	8.10	175.1	44.92
Pleasant Prairie (WI)	2,131.8	8,235	.29	4.79	143.9	23.69	1,871.3	8,382	.32	5.16	123.2	20.65
Wisconsin Power & Light Co	**3,974.0**	**9,616**	**1.05**	**7.74**	**160.5**	**30.86**	**2,050.0**	**8,715**	**.40**	**5.40**	**155.4**	**27.09**
Edgewater (WI)	897.3	11,299	2.23	9.05	162.9	36.81	1,377.1	8,402	.35	5.59	159.7	26.83
Nelson Dewey (WI)	338.9	10,385	1.13	7.54	159.8	33.18	92.7	12,700	1.41	6.26	154.9	39.34
Rock River (WI)	233.2	11,437	1.54	6.86	176.6	40.39	20.8	12,181	1.60	6.43	162.6	39.61
Columbia (WI)	2,504.6	8,739	.57	7.38	157.5	27.53	559.5	8,697	.31	4.74	145.1	25.24
Wisconsin Public Service Corp	**1,814.0**	**10,011**	**1.03**	**6.46**	**196.2**	**39.28**	**123.0**	**8,878**	**.38**	**5.00**	**153.4**	**27.24**

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 50. Contract and Spot Coal Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity 1000 Short Tons	Average Quality			Average Cost Delivered		Quantity 1000 Short Tons	Average Quality			Average Cost Delivered	
		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton		Btu per Pound	Percent Average Sulfur	Percent Average Ash	Cents per Million Btu	$ per Short Ton
Wisconsin Public Service Corp												
Pulliam (WI)	555.0	11,636	2.19	9.31	193.9	45.13	-	-	-	-	-	-
Weston (WI)	1,259.0	9,295	.52	5.20	197.4	36.70	123.0	8,878	0.38	5.00	153.4	27.24
Wyandotte Municipal Serv Comm	**90.7**	**13,398**	**.69**	**6.14**	**192.4**	**51.55**	-	-	-	-	-	-
Wyandotte (MI)	90.7	13,398	.69	6.14	192.4	51.55	-	-	-	-	-	-
Total	**601,012.1**	**10,362**	**1.37**	**9.99**	**161.7**	**33.51**	**85,952.0**	**11,814**	**1.58**	**9.95**	**134.6**	**31.81**

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Alabama Electric Coop Inc	**1,204.4**	**169.9**	**40.66**	**1.28**	**6.3**	**377.5**	**20.61**	**0.10**	**-**	**-**	**-**	**100**	*****	**-**
Tombigbee (AL)	1,204.4	169.9	40.66	1.28	6.3	377.5	20.61	.10	-	-	-	100	*	-
Alabama Power Co	**14,758.4**	**205.9**	**50.75**	**1.29**	**174.5**	**344.7**	**20.09**	**.20**	**686.5**	**247.0**	**2.69**	**100**	*****	*****
Barry (AL)	274.7	138.8	34.10	.86	3.4	334.2	19.35	.24	637.1	237.3	2.60	90	*	9
Gadsden (AL)	303.3	151.4	38.01	1.53	1.1	355.9	20.70	.13	49.4	380.6	3.90	99	*	1
Gorgas 2 and 3 (AL)	5,501.2	193.4	47.06	1.02	25.1	359.7	21.02	.19	-	-	-	100	*	-
Greene (AL)	1,389.6	185.2	46.49	1.42	10.3	339.7	19.86	.21	-	-	-	100	*	-
Gaston (AL)	4,653.2	197.4	48.68	1.97	25.5	329.4	19.18	.22	-	-	-	100	*	-
James Miller (AL)	2,636.3	270.2	67.52	.58	109.2	345.5	20.13	.19	-	-	-	99	1	-
Alamito Co	**924.7**	**193.9**	**36.92**	**.77**	**14.7**	**420.4**	**24.80**	**.11**	**-**	**-**	**-**	**100**	*****	**-**
Springerville (AZ)	924.7	193.9	36.92	.77	14.7	420.4	24.80	.11	-	-	-	100	*	-
Alexandria City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,627.3**	**208.0**	**2.13**	**-**	**-**	**100**
Alexandria-Hunter (LA)	-	-	-	-	-	-	-	-	1,627.3	208.0	2.13	-	-	100
Ames City of	**142.7**	**189.0**	**31.31**	**.65**	**2.9**	**354.5**	**21.08**	**.32**	**-**	**-**	**-**	**99**	**1**	**-**
Ames (IA)	142.7	189.0	31.31	.65	2.9	354.5	21.08	.32	-	-	-	99	1	-
Appalachian Power Co	**11,742.4**	**165.3**	**41.17**	**.72**	**130.5**	**347.7**	**20.24**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Clinch River (VA)	1,043.8	177.7	45.55	.75	6.1	381.2	22.42	.00	-	-	-	100	*	-
Glen Lyn (VA)	666.3	194.0	46.88	.89	24.2	347.7	20.38	.00	-	-	-	99	1	-
Amos (WV)	5,906.5	164.8	40.91	.74	64.5	329.8	19.19	.00	-	-	-	100	*	-
Kanawha River (WV)	738.6	149.7	35.31	.76	6.4	418.8	24.27	.00	-	-	-	100	*	-
Mountaineer (WV)	3,387.2	160.1	40.42	.64	29.3	364.6	21.07	.00	-	-	-	100	*	-
Arizona Electric Pwr Coop Inc	**504.6**	**250.0**	**51.02**	**.57**	**-**	**-**	**-**	**-**	**1,518.2**	**191.9**	**1.98**	**87**	**-**	**13**
Apache (AZ)	504.6	250.0	51.02	.57	-	-	-	-	1,518.2	191.9	1.98	87	-	13
Arizona Public Service Co	**10,118.6**	**112.8**	**20.50**	**.69**	**67.0**	**333.2**	**19.64**	**.35**	**6,731.3**	**242.2**	**2.52**	**96**	*****	**4**
Cholla (AZ)	2,836.1	160.2	31.54	.51	17.7	448.2	26.44	.34	77.1	355.9	3.15	100	*	*
Ocotillo (AZ)	-	-	-	-	-	-	-	-	2,975.4	252.3	2.65	-	-	100
Phoenix (AZ)	-	-	-	-	49.3	291.8	17.20	.35	-	-	-	-	100	-
Saguaro (AZ)	-	-	-	-	-	-	-	-	1,712.6	256.9	2.66	-	-	100
Yuma Axis (AZ)	-	-	-	-	-	-	-	-	1,497.8	191.9	1.98	-	-	100
Four Corners (NM)	7,282.5	92.1	16.21	.77	-	-	-	-	468.4	267.0	2.88	100	-	*
Arkansas Power & Light Co	**10,188.7**	**157.3**	**27.43**	**.32**	**127.2**	**410.3**	**23.85**	**.42**	**28,444.8**	**155.9**	**1.64**	**85**	*****	**14**
Lynch (AR)	-	-	-	-	-	-	-	-	83.1	347.9	3.63	-	-	100
Moses (AR)	-	-	-	-	-	-	-	-	.4	372.5	3.78	-	-	100
Couch (AR)	-	-	-	-	-	-	-	-	4,712.2	137.3	1.52	-	-	100
Lake Catherine (AR)	-	-	-	-	15.7	164.9	10.39	1.25	12,109.9	155.0	1.63	-	1	99
Ritchie (AR)	-	-	-	-	*	143.8	9.07	1.06	11,539.1	163.5	1.69	-	*	100
Whitebluff (AR)	4,709.6	168.3	28.98	.45	47.2	463.1	26.60	.28	-	-	-	100	*	-
Independence (AR)	5,479.2	148.1	26.10	.21	64.2	437.4	25.13	.32	-	-	-	100	*	-
Associated Electric Coop Inc	**4,613.2**	**147.9**	**31.65**	**3.83**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Madrid (MO)	2,100.9	135.5	29.54	3.41	-	-	-	-	-	-	-	100	-	-
Hill (MO)	2,512.3	158.7	33.42	4.18	-	-	-	-	-	-	-	100	-	-
Atlantic City Electric Co	**588.0**	**174.8**	**45.37**	**2.60**	**899.0**	**242.6**	**15.38**	**.91**	**-**	**-**	**-**	**73**	**27**	**-**
England (NJ)	588.0	174.8	45.37	2.60	899.0	242.6	15.38	.91	-	-	-	73	27	-
Austin City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**24,481.3**	**233.8**	**2.37**	**-**	**-**	**100**
Decker Creek (TX)	-	-	-	-	-	-	-	-	14,613.0	226.9	2.30	-	-	100
Holly (TX)	-	-	-	-	-	-	-	-	9,649.3	244.5	2.48	-	-	100
Seaholm (TX)	-	-	-	-	-	-	-	-	219.0	221.5	2.27	-	-	100
Baltimore Gas & Electric Co	**2,709.0**	**173.5**	**44.78**	**1.03**	**1,078.0**	**225.6**	**14.27**	**.97**	**-**	**-**	**-**	**91**	**9**	**-**
Brandon Shores (MD)	1,495.0	174.5	44.40	.72	-	-	-	-	-	-	-	100	-	-
Crane (MD)	571.0	167.4	44.23	2.02	-	-	-	-	-	-	-	100	-	-
Gould St (MD)	-	-	-	-	206.0	232.4	14.71	.98	-	-	-	-	100	-
Wagner (MD)	643.0	177.0	46.17	.88	559.0	221.4	14.00	.96	-	-	-	83	17	-
Riverside (MD)	-	-	-	-	255.0	228.9	14.49	.99	-	-	-	-	100	-
Westport (MD)	-	-	-	-	58.0	227.3	14.42	.99	-	-	-	-	100	-
Bangor Hydro-Electric Co	**-**	**-**	**-**	**-**	**115.9**	**267.1**	**16.87**	**2.30**	**-**	**-**	**-**	**-**	**100**	**-**
Graham (ME)	-	-	-	-	115.9	267.1	16.87	2.30	-	-	-	-	100	-
Basin Electric Power Coop	**10,920.9**	**77.9**	**11.69**	**.48**	**62.4**	**385.5**	**22.32**	**.34**	**-**	**-**	**-**	**100**	*****	**-**
Leland Olds (ND)	1,328.1	99.8	13.30	.73	.4	488.8	28.31	.34	-	-	-	100	*	-
Laramie River (WY)	5,676.5	72.5	12.03	.39	45.1	390.5	22.61	.34	-	-	-	100	*	-
Antelope Valley (ND)	3,916.3	80.2	10.66	.52	16.9	369.7	21.41	.34	-	-	-	100	*	-
Big Rivers Electric Corp	**4,443.3**	**122.6**	**27.01**	**3.03**	**28.6**	**312.3**	**18.10**	**.00**	**49.8**	**380.3**	**3.80**	**100**	*****	*****
Coleman (KY)	1,309.5	121.8	27.46	2.29	.4	315.1	18.26	.00	49.8	380.3	3.80	100	*	*

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petro-le-um	Gas
Big Rivers Electric Corp														
Reid-Henderson (KY)	820.0	130.7	29.69	2.30	17.4	291.6	16.90	0.00	-	-	-	99	1	-
R D Green (KY)	1,551.1	115.0	24.12	3.53	1.4	340.1	19.71	.00	-	-	-	100	*	-
Wilson (KY)	762.7	129.8	29.20	4.03	9.4	346.2	20.07	.00	-	-	-	100	*	-
Boston Edison Co	-	-	-	-	12,657.2	228.5	14.35	1.11	8,583.4	227.6	2.35	-	90	10
Mystic (MA)	-	-	-	-	6,117.9	224.0	14.09	1.41	7,583.7	226.2	2.33	-	83	17
New Boston (MA)	-	-	-	-	6,539.3	232.6	14.60	.82	999.7	238.4	2.46	-	98	2
Brazos Electric Power Coop Inc	-	-	-	-	-	-	-	-	14,571.6	265.4	2.69	-	-	100
North Texas (TX)	-	-	-	-	-	-	-	-	89.4	345.0	3.45	-	-	100
Miller (TX)	-	-	-	-	-	-	-	-	14,482.1	264.9	2.69	-	-	100
Bryan City of	-	-	-	-	1.1	430.9	25.99	.06	4,115.7	162.5	1.70	-	*	100
Bryan (TX)	-	-	-	-	-	-	-	-	757.2	161.4	1.77	-	-	100
Dansby (TX)	-	-	-	-	1.1	430.9	25.99	.06	3,358.5	162.7	1.68	-	*	100
Burbank City of	-	-	-	-	27.0	285.2	17.75	.26	2,688.0	236.8	2.56	-	5	95
Magnolia-Olive (CA)	-	-	-	-	27.0	285.2	17.75	.26	2,688.0	236.8	2.56	-	5	95
Cajun Electric Power Coop Inc	4,124.1	191.9	32.27	.48	40.7	311.4	18.31	.00	3,514.3	115.8	1.23	95	*	5
Big Cajun No.1 (LA)	-	-	-	-	11.8	300.6	17.68	.00	3,514.3	115.8	1.23	-	2	98
Big Cajun No.2 (LA)	4,124.1	191.9	32.27	.48	28.9	315.8	18.57	.00	-	-	-	100	*	-
Cambridge Electric Light Co	-	-	-	-	428.0	290.7	18.20	.49	612.3	248.5	2.49	-	81	19
Kendall Square (MA)	-	-	-	-	428.0	290.7	18.20	.49	612.3	248.5	2.49	-	81	19
Canal Electric Co	-	-	-	-	9,552.0	221.7	14.16	2.00	-	-	-	-	100	-
Canal (MA)	-	-	-	-	9,552.0	221.7	14.16	2.00	-	-	-	-	100	-
Cardinal Operating Co	3,905.8	164.5	38.45	2.22	74.3	315.1	18.40	.00	-	-	-	100	*	-
Cardinal (OH)	3,905.8	164.5	38.45	2.22	74.3	315.1	18.40	.00	-	-	-	100	*	-
Carolina Power & Light Co	9,915.4	184.9	46.45	.86	104.6	336.8	19.52	.20	-	-	-	100	*	-
Asheville (NC)	878.0	155.5	41.66	.91	8.6	333.1	19.31	.20	-	-	-	100	*	-
Cape Fear (NC)	364.4	175.0	43.95	1.19	.2	572.8	33.20	.20	-	-	-	100	*	-
Lee (NC)	518.0	198.3	50.72	1.02	2.0	447.8	25.95	.20	-	-	-	100	*	-
Roxboro (NC)	5,167.8	186.9	46.74	.86	54.6	335.0	19.42	.20	-	-	-	100	*	-
Sutton (NC)	587.8	182.2	46.10	.95	7.9	316.0	18.32	.20	-	-	-	100	*	-
Weatherspoon (NC)	184.1	174.2	43.34	.98	-	-	-	-	-	-	-	100	-	-
Robinson (SC)	265.7	172.2	43.01	1.15	8.3	340.3	19.72	.20	-	-	-	99	1	-
Mayo (NC)	1,949.6	195.7	48.06	.64	23.0	336.9	19.53	.20	-	-	-	100	*	-
Cedar Falls City of	15.5	143.3	31.28	1.74	-	-	-	-	4.4	400.6	4.00	99	-	1
Streeter (IA)	15.5	143.3	31.28	1.74	-	-	-	-	4.4	400.6	4.00	99	-	1
Centel Corp	-	-	-	-	-	-	-	-	1,916.7	257.2	2.45	-	-	100
Cimarron River (KS)	-	-	-	-	-	-	-	-	430.0	241.9	2.44	-	-	100
Large (KS)	-	-	-	-	-	-	-	-	1,449.4	262.0	2.45	-	-	100
Mullergren (KS)	-	-	-	-	-	-	-	-	37.4	260.9	2.57	-	-	100
Central Electric Pwr Coop-MO	63.0	112.5	24.89	2.94	-	-	-	-	-	-	-	100	-	-
Chamois (MO)	63.0	112.5	24.89	2.94	-	-	-	-	-	-	-	100	-	-
Central Hudson Gas & Elec Corp	1.0	196.0	52.13	.63	11,499.0	249.9	15.78	1.25	555.0	434.4	4.50	*	99	1
Danskammer (NY)	1.0	196.0	52.13	.63	3,124.0	265.4	16.65	.97	555.0	434.4	4.50	*	97	3
Roseton (NY)	-	-	-	-	8,375.0	244.1	15.45	1.36	-	-	-	-	100	-
Central Illinois Light Co	2,153.0	192.2	46.23	1.96	20.7	377.9	21.89	.18	-	-	-	100	*	-
Edwards (IL)	1,256.0	178.5	46.66	.91	7.9	369.8	21.44	.25	-	-	-	100	*	-
Duck Creek (IL)	897.0	215.9	45.61	3.43	12.8	382.9	22.16	.14	-	-	-	100	*	-
Central Illinois Pub Serv Co	4,923.5	170.2	37.74	2.79	109.8	244.5	15.36	.32	-	-	-	99	1	-
Coffeen (IL)	1,967.1	173.7	36.42	3.74	5.2	378.8	21.86	.23	-	-	-	100	*	-
Grand Tower (IL)	340.0	140.0	32.28	2.82	3.7	342.4	19.80	.17	-	-	-	100	*	-
Hutsonville (IL)	463.3	126.6	28.20	2.55	2.2	355.6	20.26	.20	-	-	-	100	*	-
Meredosia (IL)	600.0	146.4	33.44	2.51	74.9	190.1	12.39	.36	-	-	-	97	3	-
Newton (IL)	1,553.1	194.3	45.10	1.76	23.8	383.2	22.12	.22	-	-	-	100	*	-
Central Louisiana Elec Co Inc	3,666.0	154.6	23.21	.53	-	-	-	-	32,891.0	263.8	2.75	62	-	38
Dolet Hills (LA)	2,253.0	118.0	16.19	.58	-	-	-	-	1,108.0	302.5	3.09	96	-	4
Coughlin (LA)	-	-	-	-	-	-	-	-	7,643.0	302.8	3.20	-	-	100
Teche (LA)	-	-	-	-	-	-	-	-	15,550.0	252.0	2.63	-	-	100
Rodemacher (LA)	1,413.0	201.6	34.39	.46	-	-	-	-	8,590.0	244.5	2.50	73	-	27
Central Maine Power Co	-	-	-	-	4,479.5	238.6	15.02	.94	-	-	-	-	100	-
Wyman (ME)	-	-	-	-	4,479.5	238.6	15.02	.94	-	-	-	-	100	-

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Central Nebraska Pub P&I Dist	-	-	-	-	17.2	231.7	14.60	1.24	348.8	334.3	3.16	-	25	75
Canaday (NE)	-	-	-	-	17.2	231.7	14.60	1.24	348.8	334.3	3.16	-	25	75
Central Operating Co	1,831.3	162.3	40.09	1.04	32.0	351.5	20.29	.00	-	-	-	100	*	-
Sporn (WV)	1,831.3	162.3	40.09	1.04	32.0	351.5	20.29	.00	-	-	-	100	*	-
Central Power & Light Co	1,791.7	221.8	47.76	.34	-	-	-	-	119,250.1	227.8	2.37	24	-	76
Joslin (TX)	-	-	-	-	-	-	-	-	10,108.0	198.7	2.09	-	-	100
Bates (TX)	-	-	-	-	-	-	-	-	7,581.7	246.5	2.53	-	-	100
Laredo (TX)	-	-	-	-	-	-	-	-	5,813.8	286.3	3.09	-	-	100
Hill (TX)	-	-	-	-	-	-	-	-	16,047.8	223.1	2.35	-	-	100
Nueces Bay (TX)	-	-	-	-	-	-	-	-	23,654.3	227.0	2.36	-	-	100
La Palma (TX)	-	-	-	-	-	-	-	-	7,410.6	257.9	2.64	-	-	100
Victoria (TX)	-	-	-	-	-	-	-	-	15,294.4	222.4	2.34	-	-	100
Davis (TX)	-	-	-	-	-	-	-	-	33,339.4	220.5	2.25	-	-	100
Coleto Creek (TX)	1,791.7	221.8	47.76	.34	-	-	-	-	-	-	-	100	-	-
Cincinnati Gas & Electric Co	5,761.5	171.1	39.30	1.95	70.4	375.3	21.75	.42	-	-	-	100	*	-
Beckjord (OH)	1,507.0	178.1	39.76	2.06	27.4	394.2	22.79	.48	-	-	-	100	*	-
Miami Fort (OH)	3,057.7	170.0	39.87	1.66	24.2	359.9	20.89	.40	-	-	-	100	*	-
East Bend (KY)	1,196.8	165.5	37.26	2.57	18.8	367.9	21.36	.38	-	-	-	100	*	-
Cleveland Electric Illum Co	5,545.0	158.8	39.73	2.71	142.0	333.2	20.13	.76	-	-	-	99	1	-
Ashtabula (OH)	1,185.0	143.1	36.05	3.22	12.0	398.1	22.97	.23	-	-	-	100	*	-
Avon Lake (OH)	1,774.0	171.5	42.76	2.56	21.0	377.2	21.88	.30	-	-	-	100	*	-
Eastlake (OH)	2,238.0	150.3	37.31	2.87	27.0	403.3	23.24	.28	-	-	-	100	*	-
Lake Shore (OH)	348.0	201.0	52.42	.67	82.0	292.5	18.23	1.11	-	-	-	95	5	-
Coffeyville City of	-	-	-	-	-	-	-	-	439.5	262.8	2.63	-	-	100
Coffeyville (KS)	-	-	-	-	-	-	-	-	439.5	262.8	2.63	-	-	100
Colorado Springs City of	1,494.0	168.2	35.85	.40	4.0	334.6	19.27	.00	84.8	432.8	4.27	100	*	*
Drake (CO)	890.5	174.7	37.14	.36	-	-	-	-	77.2	432.1	4.26	100	-	*
Birdsall (CO)	-	-	-	-	-	-	-	-	7.6	439.8	4.33	-	-	100
Nixon (CO)	603.5	158.7	33.95	.46	4.0	334.6	19.27	.00	-	-	-	100	*	-
Colorado Ute Electric Assn Inc	4,710.6	91.9	18.94	.40	7.0	363.1	20.92	.32	352.3	329.2	3.41	100	*	*
Hayden (CO)	1,478.9	75.5	16.15	.46	7.0	363.1	20.92	.32	24.5	333.3	3.49	100	*	*
Craig (CO)	3,231.7	99.8	20.22	.38	-	-	-	-	327.8	328.9	3.40	99	-	1
Columbia City of	52.2	160.0	35.14	3.78	-	-	-	-	1.1	317.3	3.17	100	-	*
Columbia (MO)	52.2	160.0	35.14	3.78	-	-	-	-	1.1	317.3	3.17	100	-	*
Columbus & Southern Ohio El Co	3,489.1	159.2	38.15	3.26	43.3	383.6	22.43	.00	-	-	-	100	*	-
Conesville (OH)	3,178.9	162.9	39.17	3.24	37.7	384.4	22.45	.00	-	-	-	100	*	-
Picway (OH)	189.8	123.7	28.79	3.63	1.2	362.5	21.40	.00	-	-	-	100	*	-
Poston (OH)	120.4	113.0	26.03	3.33	4.4	382.0	22.55	.00	-	-	-	99	1	-
Columbus City of	93.3	171.9	43.36	.73	-	-	-	-	-	-	-	100	-	-
Refuse & Coal (OH)	93.3	171.9	43.36	.73	-	-	-	-	-	-	-	100	-	-
Commonwealth Edison Co IN Inc	1,384.0	284.4	53.93	.43	-	-	-	-	161.0	384.5	3.96	99	-	1
State Line (IN)	1,384.0	284.4	53.93	.43	-	-	-	-	161.0	384.5	3.96	99	-	1
Commonwealth Edison Co	14,389.1	289.9	55.94	1.01	2,306.2	538.2	33.81	.63	4,595.0	488.2	5.00	94	5	2
Crawford (IL)	891.2	373.8	71.59	.46	-	-	-	-	2,615.0	500.3	5.13	86	-	14
Joliet (IL)	2,810.0	342.5	65.21	.47	36.0	375.1	22.04	.27	350.0	365.7	3.74	99	*	1
Kincaid (IL)	2,730.0	146.7	30.13	3.36	-	-	-	-	75.0	369.2	3.65	100	-	*
Powerton (IL)	3,942.0	278.8	52.59	.45	-	-	-	-	112.0	528.4	5.28	100	-	*
Waukegan (IL)	1,445.0	331.6	63.22	.47	22.2	371.7	21.74	.25	375.0	479.9	4.91	98	*	1
Will County (IL)	2,170.9	358.3	68.30	.46	138.0	366.4	21.50	.27	-	-	-	98	2	-
Fisk (IL)	400.0	373.6	71.54	.46	-	-	-	-	1,068.0	505.4	5.19	87	-	13
Collins (IL)	-	-	-	-	2,110.0	552.8	34.94	.66	-	-	-	-	100	-
Commonwealth Electric Co	-	-	-	-	370.0	259.2	16.39	.83	152.8	261.1	2.61	-	94	6
Cannon (MA)	-	-	-	-	370.0	259.2	16.39	.83	152.8	261.1	2.61	-	94	6
Community Public Service Co	-	-	-	-	-	-	-	-	5.6	340.1	3.52	-	-	100
Lordsburg (NM)	-	-	-	-	-	-	-	-	5.6	340.1	3.52	-	-	100
Connecticut Light & Power Co	-	-	-	-	12,189.5	252.5	15.83	.79	640.8	206.5	2.14	-	99	1
Devon (CT)	-	-	-	-	3,023.2	240.1	15.14	.92	-	-	-	-	100	-
Montville (CT)	-	-	-	-	1,849.6	254.4	15.95	1.00	640.8	206.5	2.14	-	95	5
Norwalk Harbor (CT)	-	-	-	-	2,874.9	238.6	14.96	.99	-	-	-	-	100	-
Middletown (CT)	-	-	-	-	4,441.8	269.2	16.82	.49	-	-	-	-	100	-
Consolidated Edison Co-NY Inc	-	-	-	-	16,020.6	255.5	15.79	.25	70,109.0	222.8	2.31	-	58	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 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petro-le-um	Gas
Consolidated Edison Co-NY Inc														
East River (NY)	-	-	-	-	572.7	340.1	21.06	0.26	4,552.0	218.5	2.26	-	43	57
Hudson Avenue (NY)	-	-	-	-	4,493.2	265.6	16.44	.26	-	-	-	-	100	-
Ravenswood (NY)	-	-	-	-	-	-	-	-	28,062.0	219.8	2.28	-	-	100
Waterside (NY)	-	-	-	-	-	-	-	-	5,418.0	231.3	2.39	-	-	100
59th St (NY)	-	-	-	-	14.5	210.4	13.16	.24	-	-	-	-	100	-
Astoria (NY)	-	-	-	-	1,298.6	272.9	16.82	.24	32,077.0	224.5	2.33	-	19	81
Storage Facility #6	-	-	-	-	1,714.3	237.6	14.63	.24	-	-	-	-	100	-
Storage Facility #5	-	-	-	-	3,773.0	238.9	14.78	.25	-	-	-	-	100	-
Storage Facility #4	-	-	-	-	2,645.4	255.0	15.80	.25	-	-	-	-	100	-
Storage Facility #3	-	-	-	-	1,093.8	230.9	14.24	.26	-	-	-	-	100	-
Storage Facility #2	-	-	-	-	18.0	249.6	15.33	.00	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	397.1	268.8	16.54	.21	-	-	-	-	100	-
Consumers Power Co	**7,203.6**	**185.1**	**45.33**	**1.03**	**707.0**	**255.6**	**15.85**	**.98**	**-**	**-**	**-**	**98**	**2**	**-**
Cobb (MI)	767.1	196.5	49.46	.83	-	-	-	-	-	-	-	100	-	-
Karn-Weadock (MI)	1,239.7	186.1	45.81	.82	705.3	255.6	15.85	.98	-	-	-	87	13	-
Campbell (MI)	3,543.2	190.1	45.95	1.23	1.7	249.8	14.48	.50	-	-	-	100	*	-
Weadock (MI)	675.5	183.6	46.04	.87	-	-	-	-	-	-	-	100	-	-
Whiting (MI)	978.1	157.8	38.72	.86	-	-	-	-	-	-	-	100	-	-
Coop Power Assn	**5,765.9**	**90.0**	**11.29**	**.71**	**3.7**	**294.9**	**18.21**	**2.50**	**-**	**-**	**-**	**100**	*****	**-**
Coal Creek (ND)	5,765.9	90.0	11.29	.71	3.7	294.9	18.21	2.50	-	-	-	100	*	-
Dairyland Power Coop	**2,232.2**	**175.6**	**34.29**	**1.05**	**3.7**	**341.8**	**20.10**	**.50**	**-**	**-**	**-**	**100**	*****	**-**
Alma-Madgett (WI)	1,229.9	188.4	33.20	.50	2.2	343.7	20.21	.50	-	-	-	100	*	-
Genoa No.3 (WI)	973.1	163.1	35.51	1.72	-	-	-	-	-	-	-	100	-	-
Stoneman (WI)	29.2	161.0	39.83	2.00	1.5	338.9	19.93	.50	-	-	-	99	1	-
Dayton Power & Light Co	**8,118.4**	**166.5**	**39.38**	**1.29**	**16.1**	**384.1**	**22.01**	**.37**	**170.4**	**455.1**	**4.64**	**100**	*****	*****
Hutchings (OH)	192.6	149.2	37.43	.84	-	-	-	-	170.4	455.1	4.64	97	-	3
Stuart (OH)	6,448.4	172.7	40.08	1.44	16.1	384.1	22.01	.37	-	-	-	100	*	-
Killen (OH)	1,477.4	144.1	36.60	.67	-	-	-	-	-	-	-	100	-	-
Deepwater Operating Co	**184.0**	**180.4**	**47.14**	**.80**	**196.0**	**221.5**	**13.86**	**.97**	**570.0**	**233.0**	**2.41**	**73**	**19**	**9**
Deepwater (NJ)	184.0	180.4	47.14	.80	196.0	221.5	13.86	.97	570.0	233.0	2.41	73	19	9
Delmarva Power & Light Co	**2,296.2**	**191.4**	**49.75**	**.96**	**3,463.3**	**228.4**	**14.33**	**1.02**	**1,384.2**	**243.1**	**2.55**	**72**	**26**	**2**
Delaware City (DE)	-	-	-	-	43.2	224.3	14.06	.85	392.0	227.1	2.46	-	39	61
Edgemoor (DE)	672.1	188.4	49.99	.72	2,801.4	229.0	14.37	.88	992.2	249.6	2.58	49	48	3
Indian River (DE)	1,624.1	192.6	49.65	1.06	77.3	355.9	20.86	.25	-	-	-	99	1	-
Vienna (MD)	-	-	-	-	541.4	208.8	13.21	1.88	-	-	-	-	100	-
Denton City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**933.1**	**174.0**	**1.89**	**-**	**-**	**100**
Denton-Spencer (TX)	-	-	-	-	-	-	-	-	933.1	174.0	1.89	-	-	100
Deseret Generation & Tran Coop	**654.8**	**196.4**	**41.81**	**.43**	**39.5**	**382.8**	**22.60**	**.00**	**-**	**-**	**-**	**98**	**2**	**-**
Bonanza (UT)	654.8	196.4	41.81	.43	39.5	382.8	22.60	.00	-	-	-	98	2	-
Detroit City of	**-**	**-**	**-**	**-**	**346.6**	**313.8**	**19.49**	**.58**	**1,799.8**	**402.8**	**4.08**	**-**	**54**	**46**
Mistersky (MI)	-	-	-	-	346.6	313.8	19.49	.58	1,799.8	402.8	4.08	-	54	46
Detroit Edison Co	**17,493.0**	**179.0**	**40.74**	**.71**	**881.4**	**278.5**	**16.76**	**.51**	**8,184.6**	**318.0**	**.62**	**98**	**1**	*****
Conners Creek (MI)	181.0	225.2	57.21	.77	.2	357.2	20.69	.25	463.9	400.8	4.08	91	*	9
Harbor Beach (MI)	103.0	215.4	55.36	.85	9.4	394.2	22.72	.43	-	-	-	98	2	-
Marysville (MI)	140.0	233.6	59.33	.80	-	-	-	-	134.4	465.0	4.68	96	-	4
Monroe (MI)	6,059.0	169.9	44.54	.97	117.9	367.1	21.26	.26	-	-	-	100	*	-
River Rouge (MI)	1,147.0	207.2	50.75	.81	1.6	314.3	18.23	.29	7,522.9	244.6	.30	97	*	3
St Clair (MI)	4,563.0	173.0	34.22	.62	209.6	285.3	16.70	.46	63.4	468.0	4.71	99	1	*
Trenton Channel (MI)	1,339.0	211.7	54.52	.77	24.4	318.0	18.36	.27	-	-	-	100	*	-
Belle River (MI)	3,961.0	173.0	33.10	.37	105.6	359.6	20.81	.27	-	-	-	99	1	-
Greenwood (MI)	-	-	-	-	412.7	227.8	14.22	.68	-	-	-	-	100	-
Dover City of	**-**	**-**	**-**	**-**	**681.1**	**237.8**	**15.08**	**2.33**	**283.2**	**303.3**	**3.14**	**-**	**94**	**6**
Mckee Run (DE)	-	-	-	-	681.1	237.8	15.08	2.33	283.2	303.3	3.14	-	94	6
Duke Power Co	**9,768.3**	**184.0**	**46.13**	**.95**	**100.0**	**353.2**	**20.56**	**.29**	**43.0**	**354.3**	**3.67**	**100**	*****	*****
Allen (NC)	766.0	185.0	46.39	.97	23.0	336.5	19.70	.30	-	-	-	99	1	-
Buck (NC)	112.0	172.3	43.79	.88	-	-	-	-	-	-	-	100	-	-
Cliffside (NC)	743.0	180.7	45.31	.99	14.0	358.9	20.77	.30	-	-	-	100	*	-
Dan River (NC)	6.0	215.9	53.43	.88	-	-	-	-	-	-	-	100	-	-
Marshall (NC)	2,946.3	174.5	43.91	.94	36.0	381.0	22.20	.30	-	-	-	100	*	-
Riverbend (NC)	243.0	170.9	43.51	1.00	-	-	-	-	-	-	-	100	-	-
Lee (SC)	273.0	170.3	42.33	1.02	7.0	257.4	14.87	.30	43.0	354.3	3.67	99	1	1
Belews Creek (NC)	4,679.0	192.0	48.03	.95	20.0	351.6	20.47	.27	-	-	-	100	*	-
Duquesne Light Co	**2,216.7**	**172.0**	**41.90**	**1.64**	**67.0**	**460.8**	**26.38**	**.22**	**159.0**	**298.3**	**3.09**	**99**	**1**	*****

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Duquesne Light Co														
Elrama (PA)	755.0	172.5	41.08	1.63	26.0	462.1	26.46	0.25	-	-	-	99	1	-
Phillips (PA)	357.0	171.1	41.93	1.86	30.0	446.8	25.56	.23	-	-	-	98	2	-
Cheswick (PA)	1,104.7	172.0	42.44	1.59	11.0	495.6	28.40	.15	159.0	298.3	3.09	99	*	1
East Kentucky Rural Elec Coop	**3,026.2**	**114.0**	**26.94**	**1.32**	**9.5**	**368.8**	**21.47**	**.18**	-	-	-	**100**	*	-
Cooper (KY)	809.8	115.6	27.63	1.70	1.9	405.9	23.63	.12	-	-	-	100	*	-
Dale (KY)	229.0	111.3	26.82	.82	1.6	391.2	22.77	.20	-	-	-	100	*	-
Spurlock (KY)	1,987.4	113.7	26.68	1.22	6.0	351.0	20.43	.20	-	-	-	100	*	-
Eastern Iowa Light&Power Coop	**124.3**	**117.4**	**26.92**	**2.64**	-	-	-	-	**9.7**	**368.6**	**3.78**	**100**	-	*
Fair (IA)	124.3	117.4	26.92	2.64	-	-	-	-	9.7	368.6	3.78	100	-	*
El Paso Electric Co	-	-	-	-	-	-	-	-	**15,458.1**	**217.7**	**2.25**	-	-	**100**
Rio Grande (TX)	-	-	-	-	-	-	-	-	2,591.1	241.7	2.48	-	-	100
Newman (TX)	-	-	-	-	-	-	-	-	12,867.0	212.9	2.20	-	-	100
Electric Energy Inc	**2,306.4**	**176.3**	**41.18**	**1.98**	**7.4**	**399.0**	**23.23**	**.23**	-	-	-	**100**	*	-
Joppa (IL)	2,306.4	176.3	41.18	1.98	7.4	399.0	23.23	.23	-	-	-	100	*	-
Empire District Electric Co	**832.4**	**125.7**	**28.17**	**4.59**	**13.3**	**259.2**	**15.58**	**.00**	**176.9**	**240.7**	**2.45**	**99**	*	**1**
Riverton (KS)	280.1	134.4	32.38	2.72	-	-	-	-	176.9	240.7	2.45	97	-	3
Asbury (MO)	552.3	120.8	26.04	5.54	3.3	336.4	20.21	.00	-	-	-	100	*	-
Storage Facility #1	-	-	-	-	10.0	234.2	14.07	.00	-	-	-	-	100	-
Florida Power & Light Co	-	-	-	-	**25,428.0**	**218.2**	**13.84**	**.95**	**98,519.6**	**200.7**	**2.01**	-	**62**	**38**
Cape Canaveral (FL)	-	-	-	-	725.0	238.7	15.17	.95	18,534.0	196.9	1.97	-	20	80
Fort Myers (FL)	-	-	-	-	3,901.0	211.7	13.44	.94	-	-	-	-	100	-
Lauderdale (FL)	-	-	-	-	-	-	-	-	4,206.0	182.6	1.83	-	-	100
Port Everglades (FL)	-	-	-	-	3,740.0	218.9	13.85	1.02	31,033.0	202.9	2.03	-	43	57
Riviera (FL)	-	-	-	-	1,132.0	204.1	12.91	.96	17,397.0	196.4	1.96	-	29	71
Sanford (FL)	-	-	-	-	1,254.0	209.6	13.34	.95	1,702.0	184.0	1.84	-	82	18
Turkey Point (FL)	-	-	-	-	3,261.0	224.7	14.23	.93	21,819.0	206.4	2.06	-	49	51
Manatee (FL)	-	-	-	-	10,678.0	218.5	13.89	.94	-	-	-	-	100	-
Martin (FL)	-	-	-	-	737.0	230.5	14.43	.67	3,828.6	214.9	2.15	-	55	45
Florida Power Corp	**5,660.2**	**188.5**	**47.59**	**.82**	**9,510.3**	**218.9**	**13.84**	**1.41**	**1,478.8**	**276.3**	**2.82**	**70**	**29**	**1**
Crystal River (FL)	5,660.2	188.5	47.59	.82	120.0	376.8	21.95	.15	-	-	-	100	*	-
Turner (FL)	-	-	-	-	346.8	212.2	13.33	1.89	53.7	278.9	2.85	-	98	2
Higgins (FL)	-	-	-	-	300.0	195.0	12.27	2.02	29.3	267.1	2.73	-	98	2
Bartow (FL)	-	-	-	-	79.4	205.4	12.99	2.09	1,388.0	275.8	2.82	-	26	74
Suwannee (FL)	-	-	-	-	178.4	230.1	14.48	1.48	7.8	377.6	3.87	-	99	1
Anclote (FL)	-	-	-	-	43.0	355.1	20.72	.16	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	8,442.7	217.2	13.76	1.39	-	-	-	-	100	-
Fort Pierre City of	-	-	-	-	**.6**	**389.3**	**22.64**	**.36**	**914.5**	**213.8**	**2.19**	-	*	**100**
H D King (FL)	-	-	-	-	.6	389.3	22.64	.36	914.5	213.8	2.19	-	*	100
Fremont City of	**121.0**	**180.0**	**42.44**	**.56**	**1.3**	**343.9**	**13.22**	**.00**	**154.1**	**235.7**	**2.35**	**95**	*	**5**
Wright (NE)	121.0	180.0	42.44	.56	1.3	343.9	13.22	.00	154.1	235.7	2.35	95	*	5
Gainesville City of	**509.7**	**172.4**	**45.65**	**.78**	**9.8**	**299.6**	**19.38**	**.36**	**3,504.8**	**[2] 221.2**	**2.26**	**79**	*	**21**
Deerhaven (FL)	509.7	172.4	45.65	.78	1.5	478.2	28.30	.43	2,673.0	220.7	2.25	83	*	17
Jr Kelly (FL)	-	-	-	-	8.3	270.5	17.77	.35	831.8	[2] 223.1	2.28	-	6	94
Garland City of	-	-	-	-	**9.7**	**450.0**	**28.34**	**.00**	**7,281.3**	**170.9**	**1.78**	-	**1**	**99**
Newman (TX)	-	-	-	-	-	-	-	-	215.0	179.0	1.90	-	-	100
Olinger (TX)	-	-	-	-	9.7	450.0	28.34	.00	7,066.3	170.7	1.78	-	1	99
Georgia Power Co	**26,470.7**	**181.3**	**43.96**	**1.81**	**343.8**	**254.0**	**15.33**	**.37**	**5,106.0**	**172.3**	**1.77**	**99**	*	**1**
Arkwright (GA)	359.4	189.8	48.04	1.95	-	-	-	-	4,431.6	153.1	1.57	67	-	33
Atkinson-Mcdonough (GA)	1,398.3	174.7	41.19	2.44	-	-	-	-	674.4	298.8	3.06	98	-	2
Bowen (GA)	8,356.9	171.2	41.78	1.75	32.0	337.6	19.57	.50	-	-	-	100	*	-
Hammond (GA)	2,254.2	158.0	39.78	1.70	12.8	344.7	19.98	.19	-	-	-	100	*	-
Harllee Branch (GA)	3,888.0	174.4	43.67	1.29	12.0	350.6	20.32	.50	-	-	-	100	*	-
Mcmanus (GA)	-	-	-	-	177.4	174.8	10.94	.31	-	-	-	-	100	-
Mitchell (GA)	464.1	191.7	48.90	1.32	-	-	-	-	-	-	-	100	-	-
Yates (GA)	3,021.6	178.9	41.75	2.33	19.8	353.9	20.51	.24	-	-	-	100	*	-
Wansley (GA)	4,574.6	165.2	37.79	2.47	16.9	379.5	21.99	.41	-	-	-	100	*	-
Scherer (GA)	2,153.6	290.7	73.58	.68	72.9	337.7	19.57	.50	-	-	-	99	1	-
Glendale City of	-	-	-	-	**58.4**	**259.2**	**16.17**	**.20**	**1,682.0**	**249.8**	**2.65**	-	**17**	**83**
Glendale (CA)	-	-	-	-	58.4	259.2	16.17	.20	1,682.0	249.8	2.65	-	17	83
Grand Haven City of	**104.6**	**163.8**	**36.37**	**2.70**	-	-	-	-	-	-	-	**100**	-	-
J B Simms (MI)	104.6	163.8	36.37	2.70	-	-	-	-	-	-	-	100	-	-

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Grand Island City of	**208.1**	**183.1**	**29.72**	**0.35**	**1.2**	**375.7**	**22.16**	**0.50**	**10.5**	**347.6**	**3.27**	**100**	*	*
Platte (NE)	208.1	183.1	29.72	.35	1.2	375.7	22.16	.50	-	-	-	100	*	-
Burdick (NE)	-	-	-	-	-	-	-	-	10.5	347.6	3.27	-	-	100
Grand River Dam Authority	**2,583.3**	**137.6**	**23.12**	**.43**	**44.9**	**333.3**	**19.29**	**.46**	**29.8**	**[2] 561.7**	**5.76**	**99**	**1**	*
GRDA No 1 (OK)	2,583.3	137.6	23.12	.43	44.9	333.3	19.29	.46	29.8	[2] 561.7	5.76	99	1	*
Greenville City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**895.2**	**166.7**	**1.80**	**-**	**-**	**100**
Greenville (TX)	-	-	-	-	-	-	-	-	895.2	166.7	1.80	-	-	100
Gulf Power Co	**3,092.4**	**200.6**	**48.19**	**2.08**	**15.9**	**355.9**	**20.48**	**.45**	**943.8**	**270.6**	**2.71**	**99**	*	**1**
Crist (FL)	1,696.4	199.7	48.25	2.84	9.8	361.3	20.79	.45	943.8	270.6	2.71	98	*	2
Scholtz (FL)	352.1	160.3	39.79	2.95	.8	412.9	23.76	.45	-	-	-	100	*	-
Smith (FL)	1,043.9	216.4	50.91	.57	5.3	337.4	19.41	.45	-	-	-	100	*	-
Gulf States Utilities Co	**2,303.0**	**192.0**	**32.97**	**.47**	**139.4**	**152.1**	**9.54**	**.48**	**163,475.0**	**186.8**	**1.96**	**19**	*	**81**
Nelson (LA)	2,303.0	192.0	32.97	.47	-	-	-	-	16,753.0	171.6	1.81	69	-	31
Willow Glen (LA)	-	-	-	-	-	-	-	-	33,943.0	193.9	2.07	-	-	100
Lewis Creek (TX)	-	-	-	-	-	-	-	-	22,389.0	195.9	2.03	-	-	100
Sabine (TX)	-	-	-	-	139.4	152.1	9.54	.48	90,390.0	184.8	1.92	-	1	99
Hamilton City of	**112.7**	**149.5**	**37.19**	**.67**	**.7**	**349.7**	**20.12**	**.21**	**20.3**	**441.0**	**4.41**	**99**	*	**1**
Hamilton (OH)	112.7	149.5	37.19	.67	.7	349.7	20.12	.21	20.3	441.0	4.41	99	*	1
Hastings City of	**134.3**	**180.2**	**29.40**	**.37**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Hastings (NE)	134.3	180.2	29.40	.37	-	-	-	-	-	-	-	100	-	-
Hawaiian Electric Co Inc	**-**	**-**	**-**	**-**	**9,415.5**	**286.7**	**17.94**	**.39**	**-**	**-**	**-**	**-**	**100**	**-**
Honolulu (HI)	-	-	-	-	91.7	376.2	23.46	.47	-	-	-	-	100	-
Kahe (HI)	-	-	-	-	2,897.4	288.2	18.13	.37	-	-	-	-	100	-
Waiau (HI)	-	-	-	-	724.2	338.9	21.17	.43	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	5,702.2	277.9	17.35	.40	-	-	-	-	100	-
Henderson City of	**121.0**	**151.3**	**34.02**	**2.38**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Henderson (KY)	121.0	151.3	34.02	2.38	-	-	-	-	-	-	-	100	-	-
Holland City of	**183.4**	**177.0**	**46.59**	**.90**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
James De Young (MI)	183.4	177.0	46.59	.90	-	-	-	-	-	-	-	100	-	-
Holyoke Water Power Co	**373.7**	**193.6**	**50.66**	**1.35**	**3.9**	**310.8**	**17.98**	**.26**	**-**	**-**	**-**	**100**	*	**-**
Mount Tom (MA)	373.7	193.6	50.66	1.35	3.9	310.8	17.98	.26	-	-	-	100	*	-
Hoosier Energy R E C Inc	**2,357.4**	**161.5**	**35.19**	**3.24**	**28.1**	**337.3**	**19.59**	**.25**	**-**	**-**	**-**	**100**	*	**-**
Frank E Ratts (IN)	572.9	133.8	29.69	2.72	1.5	348.8	20.33	.17	-	-	-	100	*	-
Merom (IN)	1,784.5	170.7	36.96	3.40	26.6	336.7	19.55	.25	-	-	-	100	*	-
Houston Lighting & Power Co	**12,844.8**	**231.6**	**36.45**	**.69**	**165.3**	**155.5**	**9.74**	**.13**	**263,586.6**	**177.3**	**1.84**	**42**	*	**57**
Limestone (TX)	4,000.3	188.4	25.25	1.41	-	-	-	-	4,387.1	176.2	1.83	92	-	8
Cedar Bayou (TX)	-	-	-	-	-	-	-	-	90,858.8	174.8	1.83	-	-	100
Deepwater (TX)	-	-	-	-	-	-	-	-	1,253.3	195.7	2.03	-	-	100
Green Bayou (TX)	-	-	-	-	-	-	-	-	10,690.1	164.1	1.73	-	-	100
Clarke (TX)	-	-	-	-	-	-	-	-	61.6	201.0	2.08	-	-	100
Robinson (TX)	-	-	-	-	-	-	-	-	74,070.7	181.1	1.86	-	-	100
Bertron (TX)	-	-	-	-	-	-	-	-	10,114.2	160.7	1.68	-	-	100
Wharton (TX)	-	-	-	-	-	-	-	-	22,582.9	182.3	1.86	-	-	100
Parish (TX)	8,844.5	247.2	41.51	.37	-	-	-	-	32,481.2	179.3	1.85	82	-	18
Webster (TX)	-	-	-	-	-	-	-	-	13,460.7	186.8	1.91	-	-	100
Storage Facility #1	-	-	-	-	165.3	155.5	9.74	.13	3,626.0	162.5	1.70	-	21	79
Illinois Power Co	**[1] 7,670.2**	**145.1**	**32.22**	**2.38**	**183.5**	**244.2**	**14.99**	**.69**	**417.1**	**316.7**	**3.29**	**99**	**1**	*
Baldwin (IL)	4,586.7	146.9	31.87	2.80	16.9	354.9	20.57	.30	-	-	-	100	*	-
Havana (IL)	687.2	142.2	35.26	.64	143.4	214.9	13.40	.80	-	-	-	95	5	-
Hennepin (IL)	1,010.3	143.0	30.92	2.83	-	-	-	-	54.5	276.5	2.84	100	-	*
Vermilion (IL)	[1] 629.2	123.2	26.54	2.28	1.6	331.6	19.22	.30	-	-	-	100	*	-
Wood River (IL)	756.8	156.1	38.06	.86	21.7	359.9	20.86	.30	362.7	322.7	3.36	97	1	2
Imperial Irrigation District	**-**	**-**	**-**	**-**	**115.5**	**244.1**	**15.32**	**1.20**	**3,884.8**	**236.2**	**2.43**	**-**	**15**	**85**
El Centro (CA)	-	-	-	-	115.5	244.1	15.32	1.20	3,884.8	236.2	2.43	-	15	85
Independence City of	**145.2**	**161.4**	**39.13**	**3.59**	**2.2**	**600.4**	**34.72**	**.00**	**116.5**	**262.9**	**2.53**	**97**	*	**3**
Blue Valley (MO)	145.2	161.4	39.13	3.59	2.2	600.4	34.72	.00	116.5	262.9	2.53	97	*	3
Indiana & Michigan Electric Co	**6,373.0**	**186.4**	**35.18**	**1.27**	**100.4**	**373.2**	**21.62**	**.00**	**-**	**-**	**-**	**100**	*	**-**
Breed (IN)	755.9	146.8	32.47	4.20	5.0	350.8	20.42	.00	-	-	-	100	*	-
Tanners Creek (IN)	1,749.9	166.3	38.93	2.12	33.9	339.2	19.77	.00	-	-	-	100	*	-
Rockport (IN)	3,867.2	210.1	34.01	.32	61.5	393.9	22.74	.00	-	-	-	99	1	-

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Indiana-Kentucky Electric Corp	**3,887.0**	**117.8**	**26.80**	**3.32**	**1.9**	**423.5**	**24.48**	**0.18**	**-**	**-**	**-**	**100**	*****	**-**
Clifty Creek (IN)	3,887.0	117.8	26.80	3.32	1.9	423.5	24.48	.18	-	-	-	100	*	-
Indianapolis Power & Light Co	**5,633.0**	**128.1**	**28.69**	**2.45**	**40.4**	**422.3**	**24.26**	**.31**	**-**	**-**	**-**	**100**	*****	**-**
Stout (IN)	1,138.0	138.8	30.74	2.00	-	-	-	-	-	-	-	100	-	-
Pritchard (IN)	338.0	134.0	30.09	2.53	5.2	450.3	25.93	.30	-	-	-	100	*	-
Petersburg (IN)	4,157.0	124.7	28.01	2.57	35.2	418.2	24.02	.31	-	-	-	100	*	-
Interstate Power Co	**1,399.9**	**186.1**	**36.46**	**1.68**	**10.1**	**398.9**	**23.46**	**.23**	**779.8**	**262.7**	**2.63**	**97**	*****	**3**
Dubuque (IA)	131.5	163.6	36.15	2.95	.9	321.4	18.90	.00	14.9	286.8	2.87	99	*	1
Lansing (IA)	690.4	222.0	38.16	.55	9.0	409.9	24.10	.26	-	-	-	100	*	-
Kapp (IA)	504.9	157.8	34.63	2.90	.2	253.3	14.89	.00	12.2	254.1	2.63	100	*	*
Fox Lake (MN)	73.1	156.6	33.62	1.53	-	-	-	-	752.7	262.4	2.62	68	-	32
Iowa Electric Light & Power Co	**704.0**	**141.2**	**31.94**	**2.24**	**14.0**	**338.2**	**19.68**	**.20**	**212.0**	**337.3**	**3.37**	**98**	**1**	**1**
6th St (IA)	67.0	141.0	33.05	2.20	1.0	459.7	26.84	.00	131.0	346.1	3.46	92	*	8
Praire Creek (IA)	418.0	140.7	32.92	2.21	2.0	434.5	25.27	.20	9.0	345.3	3.45	100	*	*
Sutherland (IA)	219.0	142.4	29.74	2.32	11.0	309.6	18.01	.22	72.0	320.2	3.20	97	1	2
Iowa Power & Light Co	**2,170.7**	**112.5**	**18.99**	**.35**	**-**	**-**	**-**	**-**	**91.8**	**334.5**	**3.36**	**100**	**-**	*****
Council Bluffs (IA)	2,170.7	112.5	18.99	.35	-	-	-	-	91.8	334.5	3.36	100	-	*
Iowa Public Service Co	**1,981.7**	**146.8**	**27.75**	**.52**	**22.0**	**331.7**	**19.23**	**.50**	**71.4**	**286.5**	**2.86**	**99**	*****	*****
George Neal 1-4 (IA)	1,981.7	146.8	27.75	.52	22.0	331.7	19.23	.50	60.5	273.1	2.73	99	*	*
Maynard (IA)	-	-	-	-	-	-	-	-	10.9	361.2	3.61	-	-	100
Iowa Southern Utilities Co	**2,311.3**	**118.7**	**20.44**	**.66**	**8.1**	**388.7**	**22.51**	**.04**	**-**	**-**	**-**	**100**	*****	**-**
Burlington (IA)	292.7	108.5	23.56	2.55	4.5	409.4	23.71	.04	-	-	-	100	*	-
Ottumwa (IA)	2,018.6	120.6	19.99	.39	3.6	362.9	21.01	.04	-	-	-	100	*	-
Iowa-Illinois Gas&Electric Co	**2,123.0**	**116.9**	**20.35**	**.68**	**-**	**-**	**-**	**-**	**1,089.0**	**351.9**	**3.61**	**97**	**-**	**3**
Moline (IL)	-	-	-	-	-	-	-	-	309.0	351.2	3.60	-	-	100
Riverside (IA)	303.0	116.6	25.55	2.42	-	-	-	-	553.0	375.0	3.85	92	-	8
Louisa (IA)	1,820.0	116.9	19.48	.38	-	-	-	-	227.0	296.4	3.04	99	-	1
Jacksonville Electric Auth	**204.0**	**142.6**	**33.45**	**3.83**	**6,833.0**	**208.0**	**13.24**	**1.37**	**1,697.0**	**246.6**	**2.56**	**10**	**87**	**4**
St Johns River (FL)	204.0	142.6	33.45	3.83	-	-	-	-	-	-	-	100	-	-
Kennedy (FL)	-	-	-	-	1,145.0	210.4	13.39	.89	-	-	-	-	100	-
Northside (FL)	-	-	-	-	4,146.0	208.8	13.29	1.56	-	-	-	-	100	-
Southside (FL)	-	-	-	-	1,542.0	204.2	12.99	1.24	1,697.0	246.6	2.56	-	85	15
Jamestown City of	**122.3**	**140.1**	**35.69**	**1.49**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Samuel A Carlson (NY)	122.3	140.1	35.69	1.49	-	-	-	-	-	-	-	100	-	-
Jersey Central Power&Light Co	**-**	**-**	**-**	**-**	**1,164.3**	**252.2**	**15.62**	**.42**	**4,590.0**	**246.1**	**2.55**	**-**	**60**	**40**
Werner (NJ)	-	-	-	-	179.0	245.5	15.14	.27	-	-	-	-	100	-
Sayreville (NJ)	-	-	-	-	708.3	254.9	15.70	.27	3,702.8	253.7	2.63	-	53	47
Gilbert (NJ)	-	-	-	-	277.0	249.6	15.73	.89	887.3	214.4	2.22	-	66	34
Kansas City City of	**1,238.6**	**134.4**	**24.51**	**.79**	**8.5**	**307.6**	**17.83**	**.05**	**388.4**	**298.0**	**2.89**	**98**	*****	**2**
Kaw (KS)	79.1	156.5	36.17	2.48	.7	385.9	22.37	.05	235.8	302.5	2.94	89	*	11
Quindaro (KS)	204.8	168.3	38.49	2.48	.7	373.7	21.66	.05	152.5	291.0	2.82	97	*	3
Nearman (KS)	954.7	122.0	20.54	.29	7.2	294.2	17.05	.05	-	-	-	100	*	-
Kansas City Power & Light Co	**7,259.6**	**108.2**	**19.25**	**1.75**	**124.0**	**334.4**	**19.49**	**.29**	**217.0**	**296.3**	**2.82**	**99**	**1**	*****
La Cygne (KS)	3,066.8	118.7	20.92	2.52	100.8	338.1	19.68	.29	-	-	-	99	1	-
Hawthorne (MO)	1,302.8	89.2	15.18	.34	-	-	-	-	217.0	296.3	2.82	99	-	1
Montrose (MO)	844.6	138.6	27.40	4.47	9.3	296.0	17.43	.27	-	-	-	100	*	-
Iatan (MO)	2,045.4	90.2	15.98	.35	13.9	334.0	19.48	.30	-	-	-	100	*	-
Kansas Gas & Electric Co	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**7,183.0**	**246.2**	**2.38**	**-**	**-**	**100**
Evans (KS)	-	-	-	-	-	-	-	-	2,336.0	249.2	2.40	-	-	100
Gill (KS)	-	-	-	-	-	-	-	-	4,847.0	244.8	2.37	-	-	100
Kansas Power & Light Co	**8,522.3**	**135.0**	**23.15**	**.37**	**-**	**-**	**-**	**-**	**1,180.2**	**245.1**	**2.43**	**99**	**-**	**1**
Hutchinson (KS)	-	-	-	-	-	-	-	-	631.5	238.0	2.39	-	-	100
Lawrence (KS)	693.5	172.6	37.02	.70	-	-	-	-	393.5	253.2	2.47	97	-	3
Tecumseh (KS)	173.9	172.5	37.02	.71	-	-	-	-	155.2	254.4	2.51	96	-	4
Jeffrey Energy Cnt (KS)	7,654.9	129.6	21.58	.34	-	-	-	-	-	-	-	100	-	-
Kentucky Power Co	**2,037.9**	**157.1**	**37.42**	**1.24**	**35.2**	**420.5**	**24.54**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Big Sandy (KY)	2,037.9	157.1	37.42	1.24	35.2	420.5	24.54	.00	-	-	-	100	*	-
Kentucky Utilities Co	**4,875.3**	**151.1**	**36.66**	**1.76**	**55.5**	**340.0**	**19.99**	**.40**	**-**	**-**	**-**	**100**	*****	**-**
Brown (KY)	1,419.2	111.1	26.39	2.22	12.8	317.3	18.66	.40	-	-	-	100	*	-
Ghent (KY)	2,931.8	177.2	43.60	1.47	42.6	346.6	20.38	.40	-	-	-	100	*	-
Green River (KY)	468.7	105.9	25.11	2.27	.1	504.1	29.64	.40	-	-	-	100	*	-
Tyrone (KY)	55.6	123.2	30.30	.96	-	-	-	-	-	-	-	100	-	-

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Lafayette City of	-	-	-	-	-	-	-	-	7,796.8	218.9	2.28	-	-	100
Bonin (LA)	-	-	-	-	-	-	-	-	7,796.8	218.9	2.28	-	-	100
Lake Worth City of	-	-	-	-	19.5	397.6	23.04	0.31	2,712.0	227.9	2.33	-	4	96
Tom G Smith (FL)	-	-	-	-	19.5	397.6	23.04	.31	2,712.0	227.9	2.33	-	4	96
Lakeland City of	261.4	213.8	52.33	1.50	769.3	224.9	14.10	1.59	4,283.2	223.8	2.28	41	31	28
Larsen Mem (FL)	-	-	-	-	312.5	200.5	12.63	2.06	409.1	238.4	2.43	-	82	18
Plant 3-Mcintosh (FL)	261.4	213.8	52.33	1.50	456.8	241.7	15.10	1.27	3,874.1	222.3	2.27	48	22	30
Lansing City of	1,089.0	199.7	51.76	.80	9.7	418.8	24.28	.25	-	-	-	100	*	-
Eckert (MI)	589.7	197.9	51.24	.80	7.1	409.8	23.75	.24	-	-	-	100	*	-
Erickson (MI)	466.5	201.0	52.09	.80	1.4	463.8	26.88	.27	-	-	-	100	*	-
Ottawa (MI)	32.8	211.2	56.45	.81	1.3	419.4	24.31	.24	-	-	-	99	1	-
Long Island Lighting Co	-	-	-	-	14,912.0	232.4	14.72	1.74	23,623.0	207.2	2.15	-	79	21
Barrett (NY)	-	-	-	-	979.0	318.8	19.77	.32	14,675.0	208.5	2.16	-	29	71
Far Rockaway (NY)	-	-	-	-	153.0	259.5	16.00	.26	2,221.0	199.2	2.07	-	29	71
Glenwood (NY)	-	-	-	-	350.0	297.0	18.47	.35	6,727.0	207.0	2.15	-	24	76
Northport (NY)	-	-	-	-	10,287.0	225.6	14.31	1.85	-	-	-	-	100	-
Port Jefferson (NY)	-	-	-	-	3,143.0	220.2	13.99	2.04	-	-	-	-	100	-
Los Angeles City of	1,427.5	131.1	30.80	.53	795.0	202.2	12.46	.18	46,820.0	251.9	2.65	38	6	56
Harbor (CA)	-	-	-	-	-	-	-	-	2,575.0	253.5	2.66	-	-	100
Haynes (CA)	-	-	-	-	565.0	202.8	12.45	.17	26,459.0	252.2	2.65	-	11	89
Scattergood (CA)	-	-	-	-	131.0	200.6	12.48	.24	15,705.0	251.3	2.63	-	5	95
Valley (CA)	-	-	-	-	99.0	201.3	12.52	.22	2,081.0	250.3	2.70	-	22	78
Intermountain (UT)	1,427.5	131.1	30.80	.53	-	-	-	-	-	-	-	100	-	-
Louisiana Power & Light Co	-	-	-	-	377.8	146.7	9.27	.94	131,697.0	159.8	1.66	-	2	98
Little Gypsy (LA)	-	-	-	-	1.0	485.9	29.24	.16	37,170.0	123.4	1.28	-	*	100
Nine Mile (LA)	-	-	-	-	1.7	413.2	25.34	.23	61,534.0	157.3	1.63	-	*	100
Sterlington (LA)	-	-	-	-	.1	321.2	20.12	.91	8,415.0	247.9	2.60	-	*	100
Monroe (LA)	-	-	-	-	-	-	-	-	2,714.0	237.5	2.55	-	-	100
Waterford (LA)	-	-	-	-	375.0	144.6	9.14	.95	21,864.0	184.4	1.92	-	9	91
Louisville Gas & Electric Co	3,781.1	135.1	30.30	3.28	31.2	280.3	16.48	.23	364.6	285.4	2.93	99	*	*
Cane Run (KY)	601.3	136.2	30.41	3.31	6.6	371.4	21.84	.25	185.7	293.0	3.00	98	*	1
Mill Creek (KY)	3,179.8	134.9	30.28	3.28	24.6	255.9	15.05	.22	178.9	277.6	2.85	100	*	*
Lower Colorado River Authority	3,186.0	177.7	31.46	.38	21.0	333.1	19.73	.00	33,643.0	172.1	1.77	62	*	38
Gideon (TX)	-	-	-	-	-	-	-	-	20,111.0	168.6	1.75	-	-	100
T C Ferguson (TX)	-	-	-	-	-	-	-	-	13,532.0	177.5	1.80	-	-	100
S Seymour-Fayette (TX)	3,186.0	177.7	31.46	.38	21.0	333.1	19.73	.00	-	-	-	100	*	-
Lubbock City of	-	-	-	-	-	-	-	-	6,316.8	284.4	2.96	-	-	100
Holly Ave (TX)	-	-	-	-	-	-	-	-	6,316.8	284.4	2.96	-	-	100
Madison Gas & Electric Co	36.0	176.5	39.58	1.41	-	-	-	-	949.0	374.6	3.76	46	-	54
Blount (WI)	36.0	176.5	39.58	1.41	-	-	-	-	949.0	374.6	3.76	46	-	54
Manitowoc City of	93.4	186.1	48.93	.93	-	-	-	-	-	-	-	100	-	-
Manitowoc (WI)	93.4	186.1	48.93	.93	-	-	-	-	-	-	-	100	-	-
Marquette City of	131.4	216.5	41.66	.59	1.2	304.3	17.64	.00	-	-	-	100	*	-
Shiras (MI)	131.4	216.5	41.66	.59	1.2	304.3	17.64	.00	-	-	-	100	*	-
Medina Electric Coop Inc	-	-	-	-	-	-	-	-	214.2	241.1	2.55	-	-	100
Pearsall (TX)	-	-	-	-	-	-	-	-	214.2	241.1	2.55	-	-	100
Metropolitan Edison Co	790.8	181.8	47.66	1.67	45.0	386.9	22.15	.22	-	-	-	99	1	-
Portland (PA)	415.5	191.3	49.17	1.93	27.0	364.7	20.84	.23	-	-	-	99	1	-
Titus (PA)	375.3	171.6	45.98	1.38	18.0	420.1	24.12	.21	-	-	-	99	1	-
Michigan South Central Pwr Agy	91.6	192.8	45.35	3.37	5.5	357.0	20.99	.30	-	-	-	99	1	-
Project I (MI)	91.6	192.8	45.35	3.37	5.5	357.0	20.99	.30	-	-	-	99	1	-
Minnesota Power & Light Co	[1] 2,766.1	143.0	24.78	.77	17.2	391.7	22.57	.00	-	-	-	100	*	-
Aurora-Syl Laskin (MN)	[1] 32.8	177.3	41.15	1.31	2.3	429.0	24.72	.00	-	-	-	98	2	-
Boswell (MN)	2,733.3	142.4	24.58	.76	14.9	385.9	22.23	.00	-	-	-	100	*	-
Minnkota Power Coop Inc	3,309.7	55.9	7.54	.82	8.9	363.9	21.40	.20	-	-	-	100	*	-
Young (ND)	3,309.7	55.9	7.54	.82	8.9	363.9	21.40	.20	-	-	-	100	*	-
Mississippi Power & Light Co	-	-	-	-	1,759.3	[2] 209.0	13.17	3.06	36,970.0	234.7	2.43	-	22	78
Wilson (MS)	-	-	-	-	18.3	[2] 742.9	46.59	.30	25,133.8	251.9	2.64	-	*	100
Delta (MS)	-	-	-	-	-	-	-	-	1,591.9	183.7	1.84	-	-	100

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Mississippi Power & Light Co														
Brown (MS)	-	-	-	-	*	581.5	33.97	0.02	7,851.5	204.3	2.09	-	*	100
Gerald Andrus (MS)	-	-	-	-	1,741.0	203.4	12.82	3.09	2,392.9	181.9	1.82	-	82	18
Mississippi Power Co	**3,377.4**	**233.3**	**56.70**	**1.65**	**153.3**	**252.7**	**15.66**	**2.43**	**3,058.7**	**234.9**	**2.46**	**95**	**1**	**4**
Eaton (MS)	-	-	-	-	83.6	189.7	12.02	3.26	129.3	189.5	1.94	-	80	20
Sweatt (MS)	-	-	-	-	30.6	214.4	13.61	2.83	395.4	219.2	2.37	-	31	69
Watson (MS)	1,998.5	180.4	44.50	2.41	15.0	545.4	31.61	.30	2,534.0	239.7	2.50	95	*	5
Jackson Ct-Daniel (MS)	1,378.9	312.6	74.39	.55	24.0	363.5	20.97	.37	-	-	-	100	*	-
Missouri Public Service Comm	**790.0**	**179.0**	**39.21**	**3.22**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Sibley (MO)	790.0	179.0	39.21	3.22	-	-	-	-	-	-	-	100	-	-
Monongahela Power Co	**10,735.2**	**135.5**	**34.52**	**2.45**	**92.3**	**423.3**	**25.07**	**.30**	**157.5**	**402.6**	**4.03**	**100**	*****	*****
Albright (WV)	476.3	101.4	24.95	1.50	8.0	383.9	22.73	.30	-	-	-	100	*	-
Ft Martin (WV)	2,626.4	147.5	37.26	1.73	21.3	474.7	28.11	.30	-	-	-	100	*	-
Harrison (WV)	4,128.0	141.8	37.14	3.04	1.9	401.2	23.76	.30	157.5	402.6	4.03	100	*	*
Rivesville (WV)	165.5	114.4	28.42	.90	3.1	419.5	24.84	.30	-	-	-	100	*	-
Willow Island (WV)	305.4	124.5	32.41	1.34	4.4	432.7	25.63	.30	-	-	-	100	*	-
Pleasants (WV)	3,033.7	123.7	30.62	2.62	53.6	409.0	24.22	.30	-	-	-	100	*	-
Montana Power Co	**7,308.0**	**[2] 66.3**	**11.40**	**.65**	**64.0**	**421.8**	**22.12**	**.00**	**399.0**	**79.4**	**.96**	**99**	*****	*****
Corette (MT)	392.0	98.8	17.05	.73	-	-	-	-	399.0	79.4	.96	93	-	7
Colstrip (MT)	6,916.0	[2] 64.4	11.08	.64	64.0	421.8	22.12	.00	-	-	-	100	*	-
Montana-Dakota Utilities Co	**2,311.4**	**90.1**	**12.37**	**.86**	**16.5**	**373.2**	**21.40**	**.30**	**7.6**	**462.6**	**4.81**	**100**	*****	*****
Heskett (ND)	247.1	111.2	15.46	.73	-	-	-	-	-	-	-	100	-	-
Lewis and Clark (MT)	190.1	124.0	16.63	.57	-	-	-	-	7.6	462.6	4.81	100	-	*
Coyote (ND)	1,874.2	83.9	11.53	.90	16.5	373.2	21.40	.30	-	-	-	100	*	-
Montaup Electric Co	**389.3**	**189.0**	**50.26**	**1.15**	**162.1**	**256.4**	**15.77**	**.65**	**-**	**-**	**-**	**91**	**9**	**-**
Somerset (MA)	389.3	189.0	50.26	1.15	162.1	256.4	15.77	.65	-	-	-	91	9	-
Muscatine City of	**484.3**	**191.0**	**43.10**	**3.12**	**2.3**	**558.7**	**32.50**	**.00**	**44.6**	**313.2**	**3.13**	**99**	*****	*****
Muscatine (IA)	484.3	191.0	43.10	3.12	2.3	558.7	32.50	.00	44.6	313.2	3.13	99	*	*
Narragansett Electric Co	**-**	**-**	**-**	**-**	**1,442.3**	**237.1**	**15.04**	**.91**	**-**	**-**	**-**	**-**	**100**	**-**
Manchester St (RI)	-	-	-	-	1,442.3	237.1	15.04	.91	-	-	-	-	100	-
Nebraska Public Power District	**3,053.3**	**101.4**	**18.15**	**.36**	**2.8**	**392.1**	**22.75**	**.28**	**432.4**	**335.3**	**3.19**	**99**	*****	**1**
Kramer (NE)	-	-	-	-	-	-	-	-	7.9	276.9	2.74	-	-	100
Sheldon (NE)	108.5	190.2	42.54	.62	-	-	-	-	2.3	457.3	4.57	100	-	*
Gerald Gentleman (NE)	2,944.9	97.2	17.25	.35	2.8	392.1	22.75	.28	422.2	335.7	3.19	99	*	1
Nevada Power Co	**1,786.6**	**203.5**	**48.25**	**.53**	**20.8**	**300.9**	**17.76**	**.36**	**2,875.3**	**252.2**	**2.67**	**93**	*****	**7**
Clark (NV)	-	-	-	-	9.3	187.8	11.64	.75	1,703.1	247.8	2.63	-	3	97
Gardner (NV)	1,786.6	203.5	48.25	.53	11.5	401.0	22.71	.05	-	-	-	100	*	-
Sunrise (NV)	-	-	-	-	-	-	-	-	1,172.2	258.7	2.74	-	-	100
New England Power Co	**3,185.3**	**174.6**	**46.17**	**1.18**	**8,488.3**	**208.5**	**13.23**	**1.96**	**-**	**-**	**-**	**61**	**39**	**-**
Brayton (MA)	2,273.9	174.4	46.14	1.17	3,923.9	205.3	13.06	1.93	-	-	-	71	29	-
Salem Harbor (MA)	911.4	175.0	46.25	1.20	4,564.4	211.2	13.38	1.99	-	-	-	45	55	-
New Orleans Public Service Inc	**-**	**-**	**-**	**-**	**.3**	**343.2**	**19.86**	**.15**	**24,932.3**	**177.2**	**1.82**	**-**	*****	**100**
Paterson (LA)	-	-	-	-	.3	345.3	19.96	.14	3.5	223.8	2.31	-	34	66
Michoud (LA)	-	-	-	-	*	135.1	8.64	1.49	24,928.7	177.2	1.82	-	*	100
New York State Elec & Gas Corp	**3,185.4**	**162.3**	**40.27**	**1.99**	**43.3**	**387.2**	**22.28**	**.14**	**-**	**-**	**-**	**100**	*****	**-**
Goudey (NY)	278.5	159.4	39.07	1.86	9.3	373.5	21.49	.14	-	-	-	99	1	-
Greenidge (NY)	344.8	159.3	38.96	1.83	13.5	382.6	22.01	.14	-	-	-	99	1	-
Hickling (NY)	229.3	147.3	32.74	.83	-	-	-	-	-	-	-	100	-	-
Jennison (NY)	163.5	174.3	39.82	.82	-	-	-	-	-	-	-	100	-	-
Milliken (NY)	633.0	171.3	41.03	1.79	4.4	392.9	22.61	.14	-	-	-	100	*	-
Somerset (NY)	1,536.3	160.8	41.63	2.44	16.1	397.5	22.87	.14	-	-	-	100	*	-
Niagara Mohawk Power Corp	**2,440.0**	**166.8**	**43.55**	**1.75**	**7,804.0**	**234.3**	**14.74**	**1.64**	**3,121.0**	**348.7**	**3.60**	**55**	**42**	**3**
Albany (NY)	-	-	-	-	3,118.0	192.2	12.15	1.90	3,121.0	348.7	3.60	-	86	14
Huntley (NY)	1,313.0	176.9	46.53	1.63	-	-	-	-	-	-	-	100	-	-
Dunkirk (NY)	1,127.0	154.8	40.09	1.89	-	-	-	-	-	-	-	100	-	-
Oswego (NY)	-	-	-	-	4,686.0	262.5	16.46	1.46	-	-	-	-	100	-
Northern Indiana Pub Serv Co	**[1] 3,663.1**	**194.8**	**43.49**	**2.70**	**19.9**	**585.2**	**34.08**	**.50**	**708.2**	**475.1**	**4.75**	**99**	*****	**1**
Bailly (IN)	[1] 874.6	163.4	37.61	3.03	-	-	-	-	300.0	508.6	5.09	99	-	1
Mitchell (IN)	-	-	-	-	-	-	-	-	183.6	443.4	4.43	-	-	100
Michigan City (IN)	918.9	190.4	42.19	2.85	-	-	-	-	213.2	463.8	4.64	99	-	1
Rollin Schahfer (IN)	1,869.6	212.2	46.88	2.46	19.9	585.2	34.08	.50	11.4	317.0	3.17	100	*	*

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Northern States Power Co	[1] 6,293.6	128.8	22.83	0.64	-	-	-	-	480.9	320.3	3.20	100	-	*
Black Dog (MN)	49.0	142.8	24.82	.28	-	-	-	-	238.9	331.8	3.31	78	-	22
High Bridge (MN)	214.2	133.6	26.25	.72	-	-	-	-	227.4	306.2	3.05	95	-	5
King (MN)	[1] 1,330.9	132.7	24.53	.70	-	-	-	-	-	-	-	100	-	-
Riverside (MN)	[1] 385.1	117.8	21.86	.82	-	-	-	-	14.6	352.3	3.53	100	-	*
Sherburne County (MN)	4,314.4	128.2	22.20	.61	-	-	-	-	-	-	-	100	-	-
Ohio Edison Co	8,076.3	132.6	32.22	2.02	13.2	346.7	19.93	0.41	-	-	-	100	*	-
Edgewater (OH)	232.1	145.2	34.63	1.66	2.3	351.7	20.20	.39	-	-	-	100	*	-
Gorge Steam (OH)	104.6	136.5	32.87	2.09	1.0	341.4	19.64	.34	-	-	-	100	*	-
Niles (OH)	557.5	109.4	25.84	2.97	.6	355.0	20.44	.28	-	-	-	100	*	-
Burger (OH)	1,185.3	131.9	31.93	2.88	2.0	354.5	20.36	.43	-	-	-	100	*	-
Sammis (OH)	5,682.6	135.7	33.13	1.69	6.9	343.2	19.73	.43	-	-	-	100	*	-
Toronto (OH)	314.2	109.5	26.21	3.40	.4	340.5	19.60	.47	-	-	-	100	*	-
Ohio Power Co	13,003.9	179.7	41.49	3.38	134.9	372.5	21.48	.00	-	-	-	100	*	-
Muskingum (OH)	3,330.1	165.6	37.90	4.40	47.5	402.4	22.88	.00	-	-	-	100	*	-
Kammer (WV)	1,820.7	132.8	31.86	4.16	3.9	436.7	25.46	.00	-	-	-	100	*	-
Mitchell (WV)	2,511.2	194.3	46.23	1.42	59.9	357.6	20.81	.00	-	-	-	99	1	-
Gavin (OH)	5,341.9	198.3	44.79	3.39	23.6	340.7	19.68	.00	-	-	-	100	*	-
Ohio Valley Electric Corp	3,142.0	149.1	35.73	3.62	5.7	469.3	27.21	.18	-	-	-	100	*	-
Kyger Creek (OH)	3,142.0	149.1	35.73	3.62	5.7	469.3	27.21	.18	-	-	-	100	*	-
Oklahoma Gas & Electric Co	5,806.1	159.7	28.68	.37	29.9	229.7	13.23	.30	104,343.6	267.9	2.78	49	*	51
Arbuckle (OK)	-	-	-	-	-	-	-	-	2,125.1	273.8	2.84	-	-	100
Horseshoe Lake (OK)	-	-	-	-	-	-	-	-	23,904.4	268.4	2.78	-	-	100
Muskogee (OK)	3,143.4	155.6	28.09	.38	-	-	-	-	5,438.7	265.6	2.75	91	-	9
Mustang (OK)	-	-	-	-	-	-	-	-	10,821.2	269.7	2.80	-	-	100
Seminole (OK)	-	-	-	-	-	-	-	-	62,054.3	267.4	2.77	-	-	100
Sooner (OK)	2,662.8	164.6	29.37	.35	29.9	229.7	13.23	.30	-	-	-	100	*	-
Omaha Public Power District	2,263.8	90.6	15.05	.29	-	-	-	-	405.5	326.9	3.29	99	-	1
North Omaha (NE)	1,035.0	92.2	15.24	.29	-	-	-	-	405.5	326.9	3.29	98	-	2
Nebraska City (NE)	1,228.8	89.2	14.90	.29	-	-	-	-	-	-	-	100	-	-
Orange & Rockland Utils Inc	-	-	-	-	4,933.5	267.1	16.51	.28	25,409.9	225.5	2.33	-	54	46
Bowline (NY)	-	-	-	-	4,305.1	269.3	16.62	.27	16,136.3	229.2	2.37	-	61	39
Lovett (NY)	-	-	-	-	628.4	252.2	15.72	.31	9,273.6	219.0	2.27	-	29	71
Orlando City of	-	-	-	-	1,130.5	201.0	12.77	1.24	15,052.7	216.3	2.21	-	32	68
Indian River (FL)	-	-	-	-	1,130.5	201.0	12.77	1.24	15,052.7	216.3	2.21	-	32	68
Otter Tail Power Co	2,094.0	130.3	16.09	.91	22.9	368.4	21.66	.31	-	-	-	99	1	-
Hoot Lake (MN)	228.0	175.7	24.22	.82	.9	380.5	22.38	.31	-	-	-	100	*	-
Big Stone (SD)	1,866.0	124.1	15.10	.93	22.1	368.0	21.64	.31	-	-	-	99	1	-
Owensboro City of	813.1	156.4	33.90	2.94	3.6	358.6	21.09	.30	-	-	-	100	*	-
Smith (KY)	813.1	156.4	33.90	2.94	3.6	358.6	21.09	.30	-	-	-	100	*	-
Pacific Gas & Electric Co	-	-	-	-	552.8	223.6	13.94	.47	152,530.6	322.3	3.35	-	2	98
Contra Costa (CA)	-	-	-	-	-	-	-	-	20,614.8	303.2	3.12	-	-	100
Humboldt Bay (CA)	-	-	-	-	70.7	140.7	8.85	1.50	1,597.6	349.3	3.57	-	21	79
Hunters Point (CA)	-	-	-	-	-	-	-	-	13,248.0	341.9	3.50	-	-	100
Kern (CA)	-	-	-	-	-	-	-	-	35.9	441.6	4.73	-	-	100
Morro Bay (CA)	-	-	-	-	-	-	-	-	18,337.8	360.0	3.81	-	-	100
Moss Landing (CA)	-	-	-	-	-	-	-	-	42,007.7	314.9	3.34	-	-	100
Oleum (CA)	-	-	-	-	101.1	393.3	25.26	.39	86.1	386.0	4.19	-	87	13
Pittsburg (CA)	-	-	-	-	381.0	192.4	11.88	.30	47,859.1	320.0	3.28	-	5	95
Potrero (CA)	-	-	-	-	-	-	-	-	8,743.6	299.6	3.07	-	-	100
Pacific Power & Light Co	15,851.0	116.9	20.05	.59	97.0	361.4	21.27	.30	-	-	-	100	*	-
Centralia (WA)	4,659.0	168.6	27.31	.69	22.0	276.1	16.35	.30	-	-	-	100	*	-
Johnston (WY)	3,091.0	85.2	12.87	.44	18.0	396.7	22.90	.30	-	-	-	100	*	-
Wyodak (WY)	1,470.0	49.6	8.02	.58	8.0	407.1	23.72	.30	-	-	-	100	*	-
Jim Bridger (WY)	6,631.0	110.4	20.96	.58	49.0	379.7	22.49	.30	-	-	-	100	*	-
Painesville City of	70.3	135.2	33.13	2.30	-	-	-	-	7.5	467.7	4.68	100	-	*
Painesville (OH)	70.3	135.2	33.13	2.30	-	-	-	-	7.5	467.7	4.68	100	-	*
Pasadena City of	-	-	-	-	26.5	540.2	32.75	.17	3,788.6	227.3	2.35	-	4	96
Broadway (CA)	-	-	-	-	26.5	540.2	32.75	.17	3,788.6	227.3	2.35	-	4	96
Pennsylvania Electric Co	15,705.0	134.9	32.71	1.88	248.0	370.0	21.57	.12	-	-	-	100	*	-
Conemaugh (PA)	4,250.0	145.8	36.18	2.30	42.0	356.7	20.79	.14	-	-	-	100	*	-
Front St (PA)	197.0	138.5	34.43	1.77	3.0	429.0	25.01	.20	-	-	-	100	*	-
Homer City (PA)	4,336.0	142.1	32.91	1.83	66.0	363.4	21.18	.11	-	-	-	100	*	-

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Pennsylvania Electric Co														
Seward (PA)	515.0	108.6	26.43	1.48	36.0	381.3	22.23	0.05	-	-	-	98	2	-
Shawville (PA)	1,617.0	120.4	29.48	1.95	49.0	356.4	20.78	.16	-	-	-	99	1	-
Warren (PA)	207.0	121.9	29.60	1.65	-	-	-	-	-	-	-	100	-	-
Keystone (PA)	4,583.0	126.7	31.22	1.56	52.0	390.7	22.78	.12	-	-	-	100	*	-
Pennsylvania Power & Light Co	[1] 9,193.0	166.6	41.08	1.72	9,583.0	243.4	15.28	.85	-	-	-	79	21	-
Brunner Island (PA)	3,521.0	174.5	43.70	1.86	58.0	410.5	23.87	.13	-	-	-	100	*	-
Holtwood (PA)	[1] 147.0	103.0	19.93	1.80	3.0	404.4	23.51	.14	-	-	-	99	1	-
Martins Creek (PA)	756.0	193.4	49.31	1.96	-	-	-	-	-	-	-	100	-	-
Montour (PA)	3,513.0	168.1	42.35	1.54	76.0	363.8	21.25	.14	-	-	-	100	*	-
Sunbury (PA)	[1] 1,256.0	124.8	27.74	1.69	3.0	364.5	21.25	.14	-	-	-	100	*	-
Storage Facility #1	-	-	-	-	9,443.0	241.4	15.17	.86	-	-	-	-	100	-
Pennsylvania Power Co	7,469.1	154.2	37.36	3.43	27.5	349.8	20.37	.24	-	-	-	100	*	-
New Castle (PA)	910.6	128.3	31.60	1.37	9.5	451.3	25.97	.23	-	-	-	100	*	-
Bruce Mansfield (PA)	6,558.5	157.9	38.16	3.72	18.0	297.2	17.42	.25	-	-	-	100	*	-
Philadelphia Electric Co	585.0	154.8	40.41	1.52	4,904.0	252.1	15.74	.45	-	-	-	33	67	-
Cromby (PA)	150.0	152.3	39.44	1.69	-	-	-	-	-	-	-	100	-	-
Delaware (PA)	-	-	-	-	378.0	254.5	15.97	.40	-	-	-	-	100	-
Eddystone (PA)	435.0	155.6	40.74	1.46	2,527.0	237.0	14.75	.39	-	-	-	42	58	-
Schuylkill (PA)	-	-	-	-	1,494.0	272.6	17.01	.39	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	505.0	265.0	16.74	.97	-	-	-	-	100	-
Plains Elec Gen&Trans Coop Inc	605.0	164.5	31.18	.77	-	-	-	-	59.9	465.0	4.28	100	-	*
Escalante (NM)	605.0	164.5	31.18	.77	-	-	-	-	51.6	466.1	4.23	100	-	*
Algodones (NM)	-	-	-	-	-	-	-	-	8.3	458.6	4.57	-	-	100
Platte River Power Authority	1,045.9	106.9	18.90	.26	-	-	-	-	-	-	-	100	-	-
Rawhide (CO)	1,045.9	106.9	18.90	.26	-	-	-	-	-	-	-	100	-	-
Portland General Electric Co	-	-	-	-	.2	324.2	18.90	.00	-	-	-	-	100	-
Boardman (OR)	-	-	-	-	.2	324.2	18.90	.00	-	-	-	-	100	-
Potomac Edison Co	163.8	126.2	31.63	.93	4.9	370.4	21.93	.30	-	-	-	99	1	-
Smith (MD)	163.8	126.2	31.63	.93	4.9	370.4	21.93	.30	-	-	-	99	1	-
Potomac Electric Power Co	5,764.4	166.2	41.99	1.49	3,635.6	250.7	15.46	1.19	799.0	274.0	2.90	86	13	1
Benning (DC)	-	-	-	-	431.2	273.4	16.46	.94	-	-	-	-	100	-
Chalk (MD)	1,146.9	166.7	41.98	1.56	2,828.6	242.9	15.11	1.30	799.0	274.0	2.90	61	37	2
Dickerson (MD)	1,200.5	153.1	38.76	1.39	44.8	345.8	20.14	.20	-	-	-	99	1	-
Morgantown (MD)	2,586.4	168.0	42.11	1.70	303.0	271.3	16.16	.76	-	-	-	97	3	-
Potomac River (VA)	830.6	178.2	46.34	.85	28.0	347.0	20.16	.20	-	-	-	99	1	-
Power Authority of State of NY	-	-	-	-	2,157.0	260.8	16.10	.25	9,029.0	214.2	2.22	-	59	41
Poletti (NY)	-	-	-	-	2,157.0	260.8	16.10	.25	9,029.0	214.2	2.22	-	59	41
Public Service Co of Colorado	6,170.8	126.8	23.59	.37	27.9	330.5	19.07	.37	1,657.4	[2] 286.9	2.83	98	*	1
Arapahoe (CO)	184.5	152.1	33.59	.45	-	-	-	-	153.8	273.6	2.69	96	-	4
Cameo (CO)	126.9	136.5	31.41	.44	-	-	-	-	90.7	361.3	3.69	97	-	3
Cherokee (CO)	1,441.4	136.0	29.72	.45	-	-	-	-	846.1	270.7	2.66	97	-	3
Comanche (CO)	2,027.7	123.2	20.88	.33	14.6	309.8	17.85	.41	15.4	279.3	2.83	100	*	*
Valmont (CO)	397.3	145.7	31.50	.40	-	-	-	-	76.1	[2] 375.5	3.75	99	-	1
Zuni (CO)	-	-	-	-	-	-	-	-	475.4	291.3	2.85	-	-	100
Pawnee (CO)	1,993.0	113.1	18.92	.33	13.3	353.2	20.42	.34	-	-	-	100	*	-
Public Service Co of IN Inc	11,150.2	147.5	31.63	2.45	129.2	368.6	21.21	.30	-	-	-	100	*	-
Cayuga (IN)	2,442.8	134.0	27.91	2.42	16.5	379.8	21.85	.30	-	-	-	100	*	-
Edwardsport (IN)	30.9	121.4	26.57	2.53	3.9	404.9	23.30	.30	-	-	-	97	3	-
Noblesville (IN)	4.9	130.5	28.55	4.09	2.6	405.0	23.31	.30	-	-	-	88	12	-
Gallagher (IN)	780.2	140.9	32.15	3.08	25.2	359.9	20.71	.30	-	-	-	99	1	-
Wabash River (IN)	884.8	138.4	30.27	2.13	26.6	371.0	21.35	.30	-	-	-	99	1	-
Gibson Station (IN)	7,006.6	154.1	33.07	2.42	54.4	363.7	20.93	.30	-	-	-	100	*	-
Public Service Co of NH	952.3	199.0	53.51	2.03	4,663.1	191.7	12.46	1.80	-	-	-	46	54	-
Merrimack (NH)	798.5	194.9	52.69	2.23	2.4	356.4	20.68	.31	-	-	-	100	*	-
Schiller (NH)	153.8	221.2	57.77	1.00	-	-	-	-	-	-	-	100	-	-
Newington Station (NH)	-	-	-	-	4,660.8	191.6	12.45	1.80	-	-	-	-	100	-
Public Service Co of NM	5,876.2	132.5	25.06	.79	86.4	286.1	16.90	.91	906.7	198.7	2.26	99	*	1
Person (NM)	-	-	-	-	-	-	-	-	64.8	196.5	2.24	-	-	100
Reeves (NM)	-	-	-	-	-	-	-	-	841.9	198.8	2.26	-	-	100
San Juan (NM)	5,876.2	132.5	25.06	.79	86.4	286.1	16.90	.91	-	-	-	100	*	-
Public Service Co of Oklahoma	2,921.0	194.1	32.42	.43	-	-	-	-	75,204.0	271.7	2.86	38	-	62
Northeastern (OK)	2,921.0	194.1	32.42	.43	-	-	-	-	22,051.0	274.0	2.87	68	-	32

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Public Service Co of Oklahoma														
Southwestern (OK)	-	-	-	-	-	-	-	-	7,853.0	271.5	2.93	-	-	100
Tulsa (OK)	-	-	-	-	-	-	-	-	5,325.0	274.0	2.84	-	-	100
Riverside (OK)	-	-	-	-	-	-	-	-	33,257.0	271.5	2.83	-	-	100
Comanche (CS) (OK)	-	-	-	-	-	-	-	-	6,718.0	264.3	2.89	-	-	100
Public Service Electric&Gas Co	**1,760.7**	**182.6**	**48.70**	**1.00**	**5,766.6**	**231.9**	**14.29**	**0.28**	**19,110.9**	**252.5**	**2.62**	**46**	**35**	**19**
Bergen (NJ)	-	-	-	-	1,430.7	229.3	14.12	.27	13,312.9	248.4	2.57	-	39	61
Burlington (NJ)	-	-	-	-	269.4	238.5	14.71	.33	-	-	-	-	100	-
Hudson (NJ)	972.6	172.6	45.65	.97	543.4	196.0	12.09	.29	2,561.0	256.1	2.67	81	11	8
Kearny (NJ)	-	-	-	-	406.7	223.3	13.73	.27	-	-	-	-	100	-
Linden (NJ)	-	-	-	-	2,370.0	244.1	15.05	.27	-	-	-	-	100	-
Mercer (NJ)	788.1	194.6	52.46	1.04	-	-	-	-	1,409.0	273.2	2.83	94	-	6
Sewaren (NJ)	-	-	-	-	746.4	226.5	13.93	.28	1,828.0	261.7	2.71	-	71	29
Richmond City of	**191.7**	**174.3**	**38.70**	**2.15**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Whitewater (IN)	191.7	174.3	38.70	2.15	-	-	-	-	-	-	-	100	-	-
Rochester City of	**112.7**	**210.8**	**51.64**	**1.62**	**-**	**-**	**-**	**-**	**75.1**	**467.9**	**4.66**	**97**	**-**	**3**
Silver Lake (MN)	112.7	210.8	51.64	1.62	-	-	-	-	75.1	467.9	4.66	97	-	3
Rochester Gas & Electric Corp	**547.8**	**176.2**	**46.11**	**2.29**	**-**	**-**	**-**	**-**	**111.9**	**410.2**	**4.21**	**99**	**-**	**1**
Rochester 3 (NY)	135.9	176.3	46.36	2.37	-	-	-	-	111.9	410.2	4.21	97	-	3
Rochester 7 (NY)	411.9	176.1	46.03	2.26	-	-	-	-	-	-	-	100	-	-
Ruston City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,489.1**	**251.1**	**2.60**	**-**	**-**	**100**
Steam Plant (LA)	-	-	-	-	-	-	-	-	1,489.1	251.1	2.60	-	-	100
S Mississippi Elec Pwr Assn	**823.2**	**214.1**	**53.69**	**.92**	**7.6**	**349.0**	**20.52**	**.20**	**4,530.6**	**203.6**	**2.12**	**81**	*****	**19**
Moselle (MS)	-	-	-	-	-	-	-	-	4,530.6	203.6	2.12	-	-	100
R D Morrow (MS)	823.2	214.1	53.69	.92	7.6	349.0	20.52	.20	-	-	-	100	*	-
Salt River Proj Ag I & P Dist	**8,620.3**	**117.7**	**25.59**	**.50**	**187.8**	**368.1**	**21.78**	**.27**	**5,305.1**	**240.1**	**2.55**	**97**	**1**	**3**
Agua Fria (AZ)	-	-	-	-	34.6	351.4	22.22	.78	5,009.2	240.9	2.56	-	4	96
Kyrene (AZ)	-	-	-	-	-	-	-	-	295.9	227.8	2.35	-	-	100
Navajo (AZ)	6,628.2	88.9	19.61	.50	80.8	380.5	22.03	.17	-	-	-	100	*	-
Coronado (AZ)	1,992.1	219.9	45.46	.53	72.4	363.0	21.29	.12	-	-	-	99	1	-
San Antonio City of	**2,812.5**	**172.6**	**28.56**	**.41**	**565.7**	**265.0**	**15.56**	**.40**	**63,554.0**	**215.9**	**2.22**	**40**	**3**	**57**
Leon Creek (TX)	-	-	-	-	-	-	-	-	219.8	184.6	1.94	-	-	100
Mission Rd (TX)	-	-	-	-	-	-	-	-	778.8	215.2	2.20	-	-	100
Sommers (TX)	-	-	-	-	50.6	262.2	15.40	.40	33,103.8	211.8	2.18	-	1	99
Braunig (TX)	-	-	-	-	140.1	228.3	13.41	.40	26,103.7	221.9	2.28	-	3	97
Tuttle (TX)	-	-	-	-	56.8	296.8	17.43	.40	3,347.8	211.3	2.17	-	9	91
J T Deely (TX)	2,812.5	172.6	28.56	.41	318.2	275.8	16.20	.40	-	-	-	96	4	-
San Diego Gas & Electric Co	**-**	**-**	**-**	**-**	**3,402.0**	**217.8**	**13.44**	**.35**	**25,983.0**	**271.0**	**2.81**	**-**	**44**	**56**
Encina (CA)	-	-	-	-	2,597.0	226.5	13.96	.35	11,138.0	273.7	2.85	-	58	42
South Bay (CA)	-	-	-	-	805.0	190.0	11.75	.35	14,845.0	269.0	2.77	-	25	75
San Miguel Electric Coop Inc	**2,364.9**	**119.2**	**12.78**	**1.80**	**51.0**	**308.8**	**18.61**	**.17**	**-**	**-**	**-**	**99**	**1**	**-**
San Miquel (TX)	2,364.9	119.2	12.78	1.80	51.0	308.8	18.61	.17	-	-	-	99	1	-
Savannah Electric & Power Co	**858.3**	**168.3**	**43.52**	**.86**	**195.2**	**193.6**	**12.00**	**2.35**	**680.6**	**411.3**	**4.21**	**92**	**5**	**3**
Port Wentworth (GA)	443.5	168.1	43.63	.83	192.8	191.1	11.85	2.38	636.8	411.7	4.21	86	9	5
Riverside (GA)	-	-	-	-	-	-	-	-	43.7	405.3	4.14	-	-	100
McIntosh (GA)	414.8	168.4	43.41	.89	2.4	411.1	23.46	.00	-	-	-	100	*	-
Seminole Electric Coop Inc	**2,952.0**	**205.4**	**49.61**	**2.74**	**42.0**	**359.9**	**20.99**	**.41**	**-**	**-**	**-**	**100**	*****	**-**
Seminole (FL)	2,952.0	205.4	49.61	2.74	42.0	359.9	20.99	.41	-	-	-	100	*	-
Sierra Pacific Power Co	**1,071.5**	**187.6**	**41.90**	**.35**	**298.3**	**204.9**	**12.78**	**.35**	**1,422.7**	**359.4**	**3.70**	**88**	**7**	**5**
Fort Churchill (NV)	-	-	-	-	201.3	194.6	12.17	.47	607.0	367.2	3.78	-	67	33
Tracy (NV)	-	-	-	-	84.7	204.9	12.80	.11	815.6	353.6	3.64	-	39	61
North Valmy (NV)	1,071.5	187.6	41.90	.35	12.3	386.9	22.50	.00	-	-	-	100	*	-
Sikeston City of	**303.6**	**127.8**	**28.63**	**2.59**	**6.4**	**599.0**	**35.48**	**.78**	**-**	**-**	**-**	**99**	**1**	**-**
Sikeston (MO)	303.6	127.8	28.63	2.59	6.4	599.0	35.48	.78	-	-	-	99	1	-
South Carolina Electric&Gas Co	**3,616.5**	**180.1**	**46.57**	**1.27**	**63.7**	**383.9**	**22.25**	**.20**	**950.9**	**196.1**	**2.00**	**99**	*****	**1**
Canadys (SC)	813.1	169.5	44.07	1.48	1.2	412.7	23.92	.20	76.0	356.7	3.63	100	*	*
Hagood (SC)	-	-	-	-	-	-	-	-	25.1	356.1	3.66	-	-	100
Mcmeekin (SC)	532.9	186.5	48.48	1.36	2.3	323.4	18.74	.20	806.4	166.9	1.71	94	*	6
Urguhart (SC)	521.0	170.8	44.21	1.23	1.1	362.2	21.00	.20	42.2	363.8	3.72	100	*	*
Wateree (SC)	876.7	185.0	47.60	1.29	44.7	384.3	22.27	.20	-	-	-	99	1	-
Williams (SC)	872.8	186.7	48.10	1.02	14.4	391.9	22.71	.20	1.2	481.0	4.92	100	*	*

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
South Carolina Pub Serv Auth	**3,454.0**	**186.9**	**46.42**	**1.20**	**22.3**	**348.0**	**20.46**	**0.14**	**-**	**-**	**-**	**100**	*****	**-**
Cross (SC)	1,079.4	192.2	47.86	1.09	5.0	324.7	19.09	.10	-	-	-	100	*	-
Grainger (SC)	304.0	160.6	41.05	1.70	1.1	380.6	22.38	.14	-	-	-	100	*	-
Jefferies (SC)	515.6	183.8	45.13	1.63	2.0	366.4	21.54	.18	-	-	-	100	*	-
Winyah (SC)	1,555.0	189.6	46.90	1.04	14.1	351.1	20.65	.15	-	-	-	100	*	-
Southern California Edison Co	**4,756.4**	**102.0**	**22.43**	**.55**	**2,542.9**	**508.3**	**31.25**	**.19**	**174,299.6**	**258.3**	**2.71**	**34**	**5**	**60**
Alamitos (CA)	-	-	-	-	354.9	576.6	35.63	.03	44,702.8	261.1	2.75	-	4	96
Cool Water (CA)	-	-	-	-	-	-	-	-	92.6	424.4	4.53	-	-	100
El Segundo (CA)	-	-	-	-	-	-	-	-	20,471.1	270.2	2.83	-	-	100
Etiwanda (CA)	-	-	-	-	90.2	681.8	41.83	.30	15,418.4	273.0	2.83	-	3	97
Highgrove (CA)	-	-	-	-	-	-	-	-	133.0	227.7	2.35	-	-	100
Huntington Beach (CA)	-	-	-	-	-	-	-	-	12,639.1	265.9	2.80	-	-	100
Mandalay (CA)	-	-	-	-	313.2	654.9	40.25	.21	10,127.3	236.7	2.50	-	15	85
Ormond Beach (CA)	-	-	-	-	457.8	666.7	40.88	.30	26,196.7	244.5	2.57	-	9	91
Redondo (CA)	-	-	-	-	-	-	-	-	40,663.5	252.6	2.66	-	-	100
San Bernardino (CA)	-	-	-	-	-	-	-	-	1,720.3	236.3	2.44	-	-	100
Mohave (NV)	4,756.4	102.0	22.43	.55	-	-	-	-	2,134.8	326.6	3.46	98	-	2
Storage Facility #1	-	-	-	-	1,326.8	389.0	23.92	.18	-	-	-	-	100	-
Southern Illinois Power Coop	**737.0**	**95.2**	**20.25**	**3.20**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Marion (IL)	737.0	95.2	20.25	3.20	-	-	-	-	-	-	-	100	-	-
Southern Indiana Gas & Elec Co	**2,299.7**	**150.0**	**33.65**	**3.37**	**15.0**	**412.0**	**24.05**	**.39**	**21.5**	**281.6**	**2.89**	**100**	*****	*****
Culley (IN)	684.9	140.6	31.09	2.96	.5	429.6	25.08	.39	11.7	281.7	2.89	100	*	*
A B Brown (IN)	1,198.5	161.3	36.98	3.65	14.5	411.4	24.02	.39	-	-	-	100	*	-
Warrick (IN)	416.3	131.2	28.29	3.22	-	-	-	-	9.9	281.6	2.89	100	-	*
Southwestern Electric Power Co	**9,244.0**	**165.8**	**26.33**	**.62**	**37.0**	**291.4**	**17.13**	**.60**	**23,283.0**	**275.3**	**2.79**	**86**	*****	**14**
Arsenal Hill (LA)	-	-	-	-	-	-	-	-	820.0	356.4	3.77	-	-	100
Lieberman (LA)	-	-	-	-	-	-	-	-	6,256.0	289.8	3.11	-	-	100
Knox Lee (TX)	-	-	-	-	-	-	-	-	5,148.0	203.6	2.19	-	-	100
Wilkes (TX)	-	-	-	-	-	-	-	-	10,928.0	295.8	2.79	-	-	100
Flint Creek (AR)	1,667.0	149.7	25.06	.34	5.0	315.7	18.56	.60	-	-	-	100	*	-
Welsh Station (TX)	5,057.0	193.9	32.42	.33	32.0	287.6	16.91	.60	-	-	-	100	*	-
Pirkey (TX)	2,520.0	109.6	14.93	1.39	-	-	-	-	131.0	412.1	4.36	100	-	*
Southwestern Public Service Co	**6,803.0**	**168.1**	**29.78**	**.37**	**-**	**-**	**-**	**-**	**27,929.0**	**336.8**	**3.45**	**81**	**-**	**19**
Maddox (NM)	-	-	-	-	-	-	-	-	4,247.0	315.2	3.25	-	-	100
Cunningham (NM)	-	-	-	-	-	-	-	-	10,118.0	353.0	3.65	-	-	100
Jones (TX)	-	-	-	-	-	-	-	-	4,395.0	345.5	3.58	-	-	100
Nichols (TX)	-	-	-	-	-	-	-	-	8,698.0	327.9	3.28	-	-	100
Harrington (TX)	3,556.0	155.4	27.60	.37	-	-	-	-	392.0	261.5	2.60	99	-	1
Tolk (TX)	3,247.0	182.2	32.17	.37	-	-	-	-	79.0	237.3	2.45	100	-	*
Springfield City of	**716.5**	**120.0**	**30.45**	**3.97**	**-**	**-**	**-**	**-**	**110.6**	**256.4**	**2.62**	**99**	**-**	**1**
James River (MO)	402.4	120.6	30.30	4.03	-	-	-	-	81.5	256.0	2.62	99	-	1
Southwest (MO)	314.1	119.1	30.65	3.89	-	-	-	-	29.1	257.5	2.62	100	-	*
Springfield City of	**787.6**	**164.4**	**34.00**	**2.89**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Dallman (IL)	710.2	164.9	34.12	2.89	-	-	-	-	-	-	-	100	-	-
Lakeside (IL)	77.4	159.1	32.92	2.89	-	-	-	-	-	-	-	100	-	-
St Joseph Light & Power Co	**107.1**	**143.7**	**34.97**	**3.70**	**-**	**-**	**-**	**-**	**174.7**	**269.3**	**2.61**	**94**	**-**	**6**
Lakeroad (MO)	107.1	143.7	34.97	3.70	-	-	-	-	174.7	269.3	2.61	94	-	6
Sunflower Electric Coop Inc	**794.8**	**145.4**	**24.18**	**.38**	**-**	**-**	**-**	**-**	**64.3**	**182.8**	**1.39**	**100**	**-**	*****
Holcomb (KS)	794.8	145.4	24.18	.38	-	-	-	-	64.3	182.8	1.39	100	-	*
Tallahassee City of	**-**	**-**	**-**	**-**	**429.6**	**182.9**	**11.62**	**2.14**	**12,381.2**	**220.8**	**2.29**	**-**	**18**	**82**
Hopkins (FL)	-	-	-	-	-	-	-	-	10,232.1	222.5	2.30	-	-	100
Purdom (FL)	-	-	-	-	429.6	182.9	11.62	2.14	2,149.1	213.2	2.21	-	55	45
Tampa Electric Co	**5,631.7**	**189.6**	**45.91**	**2.18**	**224.4**	**326.2**	**18.94**	**.32**	**-**	**-**	**-**	**99**	**1**	**-**
Big Bend (FL)	5,180.9	185.9	44.75	2.28	166.5	318.3	18.49	.32	-	-	-	99	1	-
Gannon (FL)	450.9	227.9	59.32	1.05	57.8	348.5	20.24	.33	-	-	-	97	3	-
Hookers Point (FL)	-	-	-	-	.1	441.8	25.75	.30	-	-	-	-	100	-
Taunton City of	**-**	**-**	**-**	**-**	**199.5**	**266.8**	**16.84**	**1.62**	**-**	**-**	**-**	**-**	**100**	**-**
Cleary (MA)	-	-	-	-	199.5	266.8	16.84	1.62	-	-	-	-	100	-
Tennessee Valley Authority	**36,606.2**	**140.6**	**33.21**	**2.25**	**233.1**	**348.3**	**20.18**	**.50**	**-**	**-**	**-**	**100**	*****	**-**
Colbert (AL)	3,542.5	183.6	42.72	2.25	-	-	-	-	-	-	-	100	-	-
Widows Creek (AL)	2,675.9	126.5	30.76	2.10	38.1	364.8	21.00	.50	-	-	-	100	*	-
Paradise (KY)	5,001.6	106.8	23.48	4.10	32.2	367.8	21.37	.50	-	-	-	100	*	-
Shawnee (KY)	2,851.3	146.5	36.17	1.04	26.1	361.4	20.71	.50	-	-	-	100	*	-
Allen (TN)	1,516.9	135.2	32.57	2.27	-	-	-	-	-	-	-	100	-	-

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Tennessee Valley Authority														
Bull Run (TN)	2,214.2	189.2	43.19	0.85	48.9	345.5	20.00	0.50	-	-	-	99	1	-
Cumberland (TN)	7,077.2	135.6	31.61	2.78	63.2	331.0	19.34	.50	-	-	-	100	*	-
Gallatin (TN)	2,667.9	149.8	37.15	2.71	-	-	-	-	-	-	-	100	-	-
Sevier (TN)	2,021.3	129.3	32.42	1.43	5.9	336.5	19.53	.50	-	-	-	100	*	-
Johnsonville (TN)	3,113.5	123.8	28.97	1.80	-	-	-	-	-	-	-	100	-	-
Kingston (TN)	3,923.9	145.3	35.16	1.15	18.8	333.7	19.25	.50	-	-	-	100	*	-
Texas Municipal Power Agency	**2,963.3**	**153.8**	**14.60**	**.95**	**4.7**	**297.2**	**17.60**	**.51**	**-**	**-**	**-**	**100**	*****	**-**
Gibbons Creek (TX)	2,963.3	153.8	14.60	.95	4.7	297.2	17.60	.51	-	-	-	100	*	-
Texas Utilities Electric Co	**30,408.0**	**97.2**	**12.59**	**.67**	**206.5**	**444.4**	**26.17**	**.48**	**365,251.0**	**276.5**	**2.88**	**51**	*****	**49**
Dallas (TX)	-	-	-	-	8.5	488.6	30.25	.50	1,236.8	274.4	2.81	-	4	96
Lake Hubbard (TX)	-	-	-	-	30.2	481.1	29.84	.50	26,731.0	277.5	2.91	-	1	99
Mountain Creek (TX)	-	-	-	-	8.5	488.0	30.21	.50	26,233.0	275.2	2.83	-	*	100
North Lake (TX)	-	-	-	-	*	369.0	21.39	.50	15,587.0	275.5	2.83	-	*	100
Parkdale (TX)	-	-	-	-	.5	548.1	31.77	.50	5,031.0	276.1	2.88	-	*	100
Eagle Mountain (TX)	-	-	-	-	-	-	-	-	9,419.0	277.3	2.83	-	-	100
Graham (TX)	-	-	-	-	-	-	-	-	23,525.0	276.1	2.98	-	-	100
Handley (TX)	-	-	-	-	-	-	-	-	23,526.0	276.9	2.86	-	-	100
Morgan Creek (TX)	-	-	-	-	-	-	-	-	32,609.0	277.9	2.93	-	-	100
North Main (TX)	-	-	-	-	*	548.1	31.77	.50	1,209.2	274.9	2.83	-	*	100
Permian Basin (TX)	-	-	-	-	-	-	-	-	29,321.0	276.6	2.85	-	-	100
Big Brown (TX)	5,175.0	86.8	12.09	.69	-	-	-	-	732.0	281.1	3.01	99	-	1
Collin (TX)	-	-	-	-	-	-	-	-	2,161.0	277.3	2.88	-	-	100
Lake Creek (TX)	-	-	-	-	.4	424.9	24.63	.50	6,313.0	278.6	2.93	-	*	100
River Crest (TX)	-	-	-	-	.1	516.7	30.88	.50	2,094.0	274.4	2.97	-	*	100
Stryker (TX)	-	-	-	-	1.0	489.6	28.38	.50	25,497.0	277.6	2.91	-	*	100
Tradinghouse (TX)	-	-	-	-	26.0	573.2	33.22	.50	61,652.0	276.5	2.85	-	*	100
Trinidad (TX)	-	-	-	-	.2	573.2	33.22	.50	5,771.0	275.4	2.90	-	*	100
Valley (TX)	-	-	-	-	-	-	-	-	30,350.0	276.8	2.91	-	-	100
Martin Lake (TX)	12,656.0	115.2	15.34	.77	41.9	396.3	22.97	.50	-	-	-	100	*	-
Monticello (TX)	11,988.0	82.2	10.02	.54	43.0	411.3	23.84	.42	-	-	-	100	*	-
Sandow No 4 (TX)	589.0	85.2	10.35	.97	34.0	339.7	19.69	.50	-	-	-	97	3	-
Decordova (TX)	-	-	-	-	12.0	573.2	33.22	.50	36,253.0	274.9	2.85	-	*	100
Toledo Edison Co	**1,683.4**	**198.2**	**52.40**	**1.14**	**6.2**	**392.1**	**15.33**	**.01**	**78.2**	**498.9**	**5.10**	**100**	*****	*****
Acme (OH)	255.9	158.0	41.39	.64	5.8	381.7	14.43	.00	78.2	498.9	5.10	99	*	1
Bay Shore (OH)	1,427.5	205.3	54.38	1.22	.4	490.7	28.35	.12	-	-	-	100	*	-
Tucson Electric Power Co	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,568.0**	**238.1**	**2.46**	**-**	**-**	**100**
Demoss Petrie (AZ)	-	-	-	-	-	-	-	-	18.0	217.5	2.24	-	-	100
Irvington (AZ)	-	-	-	-	-	-	-	-	2,550.0	238.3	2.46	-	-	100
Union Electric Co	**9,705.3**	**163.5**	**36.63**	**2.05**	**262.0**	**244.7**	**15.25**	**1.56**	**295.0**	**341.0**	**3.54**	**99**	**1**	*****
Venice No.2 (IL)	-	-	-	-	-	-	-	-	166.0	318.7	3.31	-	-	100
Ashley (MO)	-	-	-	-	227.0	231.8	14.66	1.75	-	-	-	-	100	-
Labadie (MO)	4,948.0	161.2	36.61	2.43	24.0	308.7	17.76	.30	-	-	-	100	*	-
Meramec (MO)	534.0	164.2	38.07	1.27	2.0	302.0	11.64	.00	129.0	369.8	3.84	99	*	1
Sioux (MO)	1,674.0	156.7	35.58	2.71	2.0	352.3	20.27	.30	-	-	-	100	*	-
Rush Island (MO)	2,549.3	173.0	37.05	1.03	7.0	445.5	25.64	.40	-	-	-	100	*	-
United Illuminating Co	**817.0**	**227.1**	**59.83**	**.51**	**5,872.2**	**247.4**	**15.57**	**.95**	**99.2**	**224.5**	**2.33**	**37**	**63**	*****
Bridgeport Harbor (CT)	817.0	227.1	59.83	.51	2,075.4	237.7	14.99	.93	-	-	-	62	38	-
English (CT)	-	-	-	-	85.1	289.3	18.22	.93	-	-	-	-	100	-
New Haven Hbr (CT)	-	-	-	-	3,711.7	251.8	15.84	.96	99.2	224.5	2.33	-	100	*
United Power Assn	**1,127.0**	**98.7**	**13.28**	**.60**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Stanton (ND)	1,127.0	98.7	13.28	.60	-	-	-	-	-	-	-	100	-	-
Upper Peninsula Generating Co	**761.0**	**161.0**	**40.78**	**.89**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Presque Isle (MI)	761.0	161.0	40.78	.89	-	-	-	-	-	-	-	100	-	-
Utah Power & Light Co	**7,064.0**	**133.0**	**29.39**	**.55**	**44.0**	**346.1**	**20.35**	**.30**	**147.0**	**389.8**	**4.00**	**100**	*****	*****
Carbon (UT)	492.0	169.5	39.88	.57	1.0	556.4	32.72	.30	-	-	-	100	*	-
Gadsby (UT)	106.0	197.2	46.42	.61	-	-	-	-	10.0	509.9	5.54	100	-	*
Naughton (WY)	1,768.0	119.1	22.88	.78	11.0	374.0	21.99	.30	137.0	380.4	3.89	99	*	*
Emery-Hunter (UT)	2,629.0	127.4	29.49	.49	21.0	316.3	18.60	.30	-	-	-	100	*	-
Huntington (UT)	2,069.0	138.1	31.45	.44	11.0	355.8	20.92	.30	-	-	-	100	*	-
Vero Beach City of	**-**	**-**	**-**	**-**	**1.8**	**529.0**	**30.66**	**.02**	**936.0**	**214.4**	**2.26**	**-**	**1**	**99**
Vero Beach (FL)	-	-	-	-	1.8	529.0	30.66	.02	936.0	214.4	2.26	-	1	99
Vineland City of	**46.3**	**190.8**	**49.30**	**.96**	**85.7**	**259.8**	**16.06**	**1.34**	**-**	**-**	**-**	**69**	**31**	**-**
H M Down (NJ)	46.3	190.8	49.30	.96	85.7	259.8	16.06	1.34	-	-	-	69	31	-
Virginia Electric & Power Co	**8,857.0**	**150.4**	**37.97**	**1.35**	**3,754.0**	**218.1**	**13.52**	**.76**	**839.0**	**201.3**	**2.12**	**90**	**9**	*****

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, by Company and Plant, 1986 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity 1,000 Short Tons	Cents per 10^6 Btu	$ per Short Ton	% Avg. Sulfur	Quantity 1,000 Bbls	Cents per 10^6 Btu	$ per Bbl	% Avg. Sulfur	Quantity 1,000 Mcf	Cents per 10^6 Btu	$ per Mcf	Coal	Petroleum	Gas
Virginia Electric & Power Co														
Bremo Bluff (VA)	502.0	160.5	40.43	0.88	6.0	354.8	20.86	0.40	-	-	-	100	*	-
Chesterfield (VA)	2,381.0	164.8	42.59	.97	63.0	335.3	19.71	.40	-	-	-	99	1	-
Portsmouth (VA)	808.0	166.2	43.72	1.00	15.0	426.2	25.06	.40	96.0	265.4	2.81	99	*	*
Possum Point (VA)	617.0	164.1	42.52	.99	54.0	313.3	18.42	.40	-	-	-	98	2	-
Yorktown (VA)	485.0	166.8	43.57	1.32	6.0	273.8	16.10	.60	743.0	192.9	2.03	94	*	6
Mount Storm (WV)	4,064.0	132.6	32.46	1.75	123.0	360.2	21.18	.40	-	-	-	99	1	-
Storage Facility #1	-	-	-	-	3,487.0	208.8	12.99	.79	-	-	-	-	100	-
West Penn Power Co	**5,038.6**	**137.6**	**35.10**	**2.20**	**30.9**	**402.9**	**23.86**	**.27**	**71.6**	**503.8**	**5.04**	**100**	*	*
Armstrong (PA)	969.5	127.9	32.24	1.77	4.1	344.9	20.42	.27	-	-	-	100	*	-
Hatfield (PA)	3,706.4	140.7	36.08	2.29	14.6	396.8	23.50	.27	-	-	-	100	*	-
Mitchell (PA)	362.7	131.6	32.63	2.40	3.6	402.8	23.85	.27	71.6	503.8	5.04	99	*	1
Springdale (PA)	-	-	-	-	8.6	441.5	26.14	.27	-	-	-	-	100	-
West Texas Utilities Co	**719.0**	**163.3**	**27.01**	**.31**	**51.0**	**301.9**	**16.99**	**.13**	**43,587.0**	**190.9**	**1.94**	**21**	**1**	**78**
Oklaunion (TX)	719.0	163.3	27.01	.31	51.0	301.9	16.99	.13	-	-	-	98	2	-
Concho (TX)	-	-	-	-	-	-	-	-	346.0	327.7	3.74	-	-	100
Oak Creek (TX)	-	-	-	-	-	-	-	-	4,504.0	216.3	2.31	-	-	100
Paint Creek (TX)	-	-	-	-	-	-	-	-	7,832.0	297.4	3.09	-	-	100
Rio Pecos (TX)	-	-	-	-	-	-	-	-	10,689.0	22.1	.21	-	-	100
San Angelo (TX)	-	-	-	-	-	-	-	-	8,353.0	197.1	2.06	-	-	100
Fort Phantom (TX)	-	-	-	-	-	-	-	-	11,863.0	239.8	2.47	-	-	100
Western Farmers Elec Coop Inc	**696.6**	**169.8**	**28.20**	**.45**	**5.3**	**256.3**	**15.07**	**.00**	**12,693.0**	**175.3**	**1.82**	**47**	*	**53**
Anadarko (OK)	-	-	-	-	-	-	-	-	9,978.0	175.9	1.83	-	-	100
Mooreland (OK)	-	-	-	-	-	-	-	-	2,715.0	173.1	1.81	-	-	100
Hugo (OK)	696.6	169.8	28.20	.45	5.3	256.3	15.07	.00	-	-	-	100	*	-
Western Massachusetts Elec Co	**-**	**-**	**-**	**-**	**941.4**	**261.2**	**16.47**	**1.67**	**829.6**	**198.0**	**2.03**	**-**	**87**	**13**
West Springfield (MA)	-	-	-	-	941.4	261.2	16.47	1.67	829.6	198.0	2.03	-	87	13
Wisconsin Electric Power Co	**6,492.3**	**150.8**	**29.60**	**.87**	**124.9**	**363.7**	**21.10**	**.25**	**-**	**-**	**-**	**99**	**1**	**-**
Oak Creek (WI)	1,770.2	166.4	39.77	1.92	-	-	-	-	-	-	-	100	-	-
Port Washington (WI)	236.4	160.5	42.50	1.53	-	-	-	-	-	-	-	100	-	-
Valley (WI)	482.6	182.8	46.80	1.43	-	-	-	-	-	-	-	100	-	-
Pleasant Prairie (WI)	4,003.1	134.1	22.27	.31	-	-	-	-	-	-	-	100	-	-
Storage Facility #1	-	-	-	-	124.9	363.7	21.10	.25	-	-	-	-	100	-
Wisconsin Power & Light Co	**6,024.0**	**158.9**	**29.58**	**.83**	**-**	**-**	**-**	**-**	**200.4**	**385.9**	**3.87**	**100**	**-**	*
Blackhawk (WI)	-	-	-	-	-	-	-	-	24.7	388.7	3.90	-	-	100
Edgewater (WI)	2,274.4	161.2	30.77	1.09	-	-	-	-	-	-	-	100	-	-
Nelson Dewey (WI)	431.6	158.5	34.51	1.19	-	-	-	-	-	-	-	100	-	-
Rock River (WI)	254.0	175.4	40.33	1.54	-	-	-	-	175.7	385.5	3.87	97	-	3
Columbia (WI)	3,064.1	155.3	27.11	.52	-	-	-	-	-	-	-	100	-	-
Wisconsin Public Service Corp	**1,937.0**	**193.8**	**38.52**	**.99**	**34.1**	**346.7**	**20.10**	**.22**	**53.5**	**347.1**	**3.48**	**99**	**1**	*
Pulliam (WI)	555.0	193.9	45.13	2.19	24.4	345.6	20.03	.22	-	-	-	99	1	-
Weston (WI)	1,382.0	193.7	35.86	.51	9.7	349.5	20.26	.22	53.5	347.1	3.48	100	*	*
Wyandotte Municipal Serv Comm	**90.7**	**192.4**	**51.55**	**.69**	**-**	**-**	**-**	**-**	**35.0**	**422.8**	**4.23**	**99**	**-**	**1**
Wyandotte (MI)	90.7	192.4	51.55	.69	-	-	-	-	35.0	422.8	4.23	99	-	1
Total	**[1] 687,323.4**	**157.9**	**33.29**	**1.39**	**228,551.6**	**[2] 243.8**	**15.30**	**1.03**	**2,437,787.8**	**[2] 234.4**	**2.42**	**79**	**8**	**14**

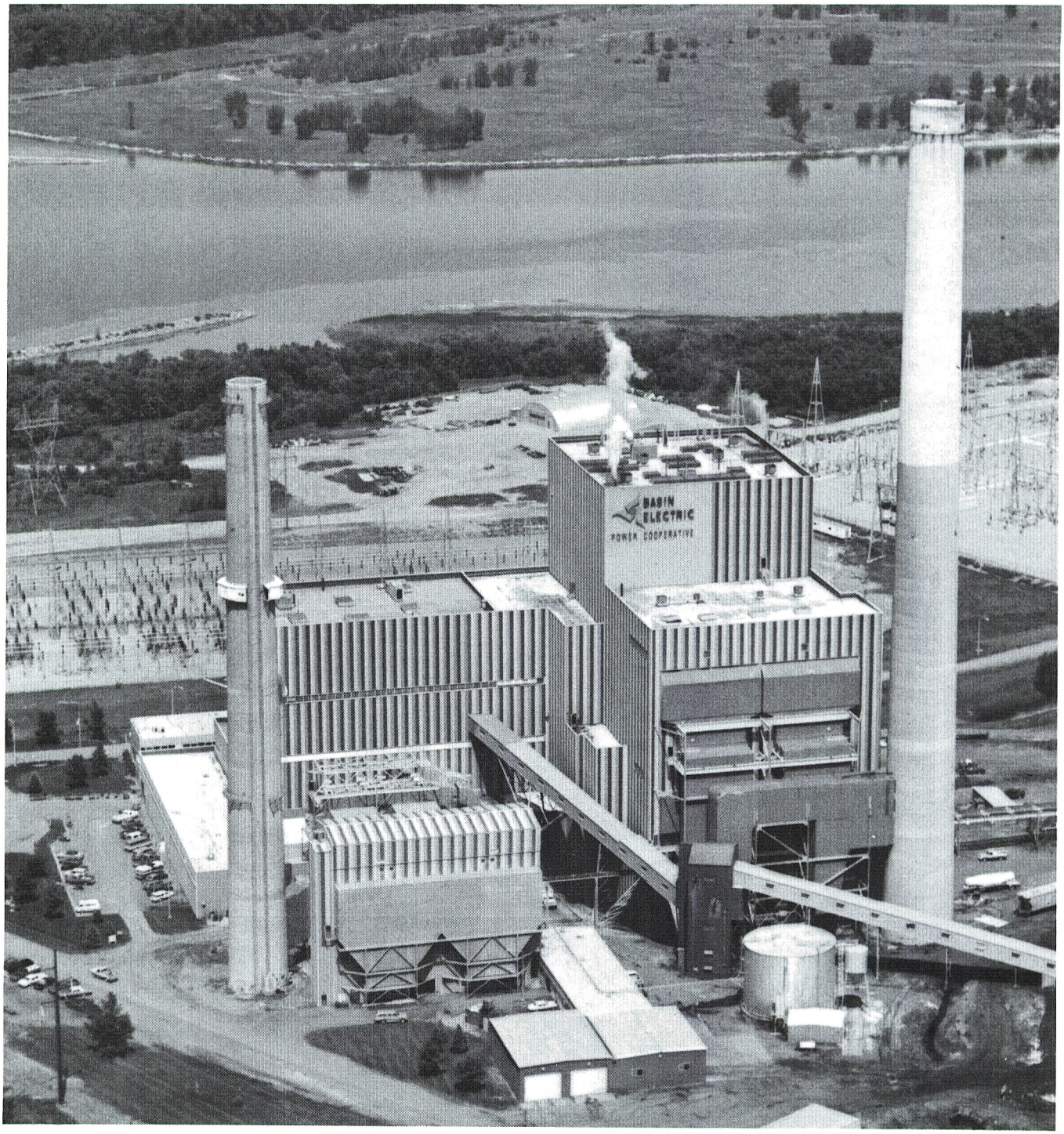
[1] Also includes Petroleum Coke, Refuse, Wood Waste, or Coke Breeze.
[2] The entry includes at least one delivery at a price of 1,000 cents per million Btu or greater. High price is frequently caused when fixed costs are averaged into a small quantity.
* = Number less than 0.5
Notes: Below are the specific fuels which are included in each of the 3 general fuel categories.
Coal: Bituminous, Subbituminous, Lignite, Anthracite, Wood Waste, Petroleum Coke, and Refuse.
Petroleum: No. 2, 4, 5, and 6 Fuel Oil, Re-refined Motor Oil, Liquified Petroleum Gas.
Gas: Natural, Coke Oven, Refinery, and Blast Furnace.
Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Company Fossil Fuel Data 1982-1986

Introduction

Included in this chapter are electric utilities now reporting on FERC Form 423 and those which at one time filed Form 423 data but ceased reporting as a result of either retirement or derating of units below the minimum 50-megawatt steam capacity. On January 1, 1984, Dallas Power & Light, Texas Electric Service, Texas Power & Light, and Texas Utilities Services, Inc., were merged and became divisions of Texas Utilities Electric Company. Therefore, 1984 through 1986 data for these four companies are shown under Texas Utilities Electric Company, a subsidiary of Texas Utilities Company.

Some utilities continue to file FERC Form 423 but show no fossil-fuel purchases for 1 or more years. When no activity is reported during a full year, the computer program makes no entry for that year.



Basin Electric Power Cooperative's coal-fired Leland Olds plant, units 1 and 2.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Alabama Electric Coop Inc																		
1982	839	100.0	11,705	8.6	1.4	46.09	-	46.09	-	-	-	-	-	-	-	-	-	-
1983	833	-	11,942	12.3	1.7	-	43.37	43.37	-	-	-	-	-	-	-	9	130,500	37.35
1984	1,005	-	12,007	12.1	1.6	-	42.65	42.65	-	-	-	-	-	-	-	6	130,256	36.56
1985	1,031	-	11,866	12.2	1.3	-	41.64	41.64	-	-	-	-	-	-	-	5	130,000	34.49
1986	1,204	-	11,968	12.0	1.3	-	40.66	40.66	-	-	-	-	-	-	-	6	130,000	20.61
Alabama Power Co																		
1982	11,337	99.0	12,168	11.9	1.2	51.83	42.84	51.74	-	-	-	-	-	-	-	138	138,349	41.26
1983	12,165	100.0	12,117	12.2	1.2	50.61	-	50.61	-	-	-	-	-	-	-	118	138,522	36.23
1984	11,939	100.0	12,122	12.3	1.2	52.00	-	52.00	-	-	-	-	-	-	-	138	139,449	35.99
1985	14,300	89.0	12,184	12.1	1.2	53.75	37.39	51.96	-	-	-	-	-	-	-	197	139,031	34.74
1986	14,758	90.8	12,324	11.7	1.3	52.29	35.60	50.75	-	-	-	-	-	-	-	175	138,792	20.09
Alamito Co																		
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	143,892	35.59
1985	1,203	100.0	9,544	14.3	.7	38.95	-	38.95	-	-	-	-	-	-	-	40	140,741	35.73
1986	925	100.0	9,522	14.2	.8	36.92	-	36.92	-	-	-	-	-	-	-	15	140,472	24.80
Alexandria City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ames City of																		
1982	130	100.0	8,477	6.6	.8	32.79	-	32.79	-	-	-	-	-	-	-	12	137,300	37.74
1983	139	100.0	8,174	7.0	.6	30.77	-	30.77	-	-	-	-	-	-	-	8	137,300	37.80
1984	193	100.0	8,327	6.4	.5	32.24	-	32.24	-	-	-	-	-	-	-	8	137,300	37.77
1985	138	100.0	8,208	5.9	.5	32.46	-	32.46	-	-	-	-	-	-	-	6	140,017	35.91
1986	143	100.0	8,282	6.4	.6	31.31	-	31.31	-	-	-	-	-	-	-	3	141,600	21.08
Appalachian Power Co																		
1982	11,295	96.3	12,015	13.5	.7	48.74	39.50	48.40	-	-	-	-	-	-	-	-	-	-
1983	9,281	96.1	12,321	12.1	.7	48.48	40.02	48.15	-	-	-	-	-	-	-	114	138,164	36.18
1984	12,001	88.5	12,450	11.3	.7	47.19	36.50	45.97	-	-	-	-	-	-	-	169	138,361	36.53
1985	9,816	93.6	12,489	10.8	.7	45.58	31.64	44.69	-	-	-	-	-	-	-	121	139,181	35.06
1986	11,742	82.4	12,451	11.0	.7	43.52	30.13	41.17	-	-	-	-	-	-	-	130	138,571	20.24
Arizona Electric Pwr Coop Inc																		
1982	973	100.0	9,707	16.0	.6	52.33	-	52.33	-	-	-	-	-	-	-	-	-	-
1983	418	100.0	9,973	15.3	.7	55.40	-	55.40	-	-	-	-	-	-	-	-	-	-
1984	759	100.0	10,034	15.3	.7	53.75	-	53.75	-	-	-	-	-	-	-	-	-	-
1985	794	100.0	10,137	15.7	.7	52.42	-	52.42	-	-	-	-	-	-	-	-	-	-
1986	505	84.6	10,205	15.1	.6	53.25	38.78	51.02	-	-	-	-	-	-	-	-	-	-
Arizona Public Service Co																		
1982	10,857	100.0	9,153	19.2	.7	15.37	-	15.37	117	-	147,706	0.6	-	32.32	32.32	-	-	-
1983	11,507	100.0	9,152	20.1	.7	16.21	-	16.21	-	-	-	-	-	-	-	6	139,485	33.18
1984	11,408	100.0	9,044	20.1	.7	16.93	-	16.93	-	-	-	-	-	-	-	-	-	-
1985	9,777	100.0	9,125	19.9	.7	20.38	-	20.38	-	-	-	-	-	-	-	27	138,095	34.16
1986	10,119	100.0	9,088	20.0	.7	20.50	-	20.50	-	-	-	-	-	-	-	67	140,340	19.64
Arkansas Electric Coop Corp																		
1982	-	-	-	-	-	-	-	-	6	-	150,000	2.8	-	26.16	26.16	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas Power & Light Co																		
1982	5,155	100.0	8,575	6.8	.4	31.91	-	31.91	101	100.0	150,378	1.3	25.08	-	25.08	67	140,329	37.93
1983	7,107	56.4	8,820	5.2	.4	32.48	30.28	31.52	46	100.0	150,170	1.2	23.64	-	23.64	125	137,036	38.56
1984	8,913	89.8	8,643	5.9	.4	32.60	30.73	32.41	3	100.0	150,751	.9	23.98	-	23.98	174	136,932	37.07
1985	10,071	100.0	8,660	5.8	.3	27.59	-	27.59	8	100.0	149,712	1.2	24.16	-	24.16	100	136,980	33.56
1986	10,189	100.0	8,718	5.5	.3	27.43	-	27.43	16	100.0	150,005	1.2	10.39	-	10.39	111	136,776	25.75
Associated Electric Coop Inc																		
1982	4,889	94.8	10,552	10.7	3.6	33.63	27.77	33.33	-	-	-	-	-	-	-	-	-	-
1983	5,432	-	10,433	11.8	3.8	-	31.98	31.98	-	-	-	-	-	-	-	-	-	-
1984	6,643	65.8	10,489	11.9	3.8	31.16	30.06	30.79	-	-	-	-	-	-	-	-	-	-
1985	4,796	100.0	10,600	10.7	3.7	33.10	-	33.10	-	-	-	-	-	-	-	-	-	-
1986	4,613	94.0	10,697	10.3	3.8	31.89	27.93	31.65	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Alabama Electric Coop Inc																
1982	-	-	-	-	-	-	19,650	-	-	100	-	-	38,688	38,688	-	-
1983	-	-	-	-	-	-	19,895	49	-	100	0	-	36,461	36,126	335	-
1984	-	-	-	-	-	-	24,136	34	-	100	0	-	43,095	42,865	230	-
1985	-	-	-	-	-	-	24,472	29	-	100	0	-	43,123	42,941	182	-
1986	-	-	-	-	-	-	28,829	34	-	100	0	-	49,106	48,976	130	-
Alabama Power Co																
1982	1,341	1,125	4.32	3.30	3.38	92.3	275,899	802	1,508	99	0	1	596,777	586,558	5,693	4,526
1983	444	1,103	4.47	3.41	3.45	96.0	294,818	686	489	100	0	0	621,533	615,728	4,274	1,531
1984	276	1,124	4.47	3.59	3.66	91.9	289,451	808	310	100	0	0	626,786	620,807	4,967	1,012
1985	976	1,099	3.78	3.43	3.48	83.2	348,462	1,151	1,073	99	0	0	753,234	742,985	6,847	3,402
1986	687	1,091	2.90	2.56	2.69	61.2	363,773	1,017	749	100	0	0	754,294	748,939	3,506	1,850
Alamito Co																
1984	-	-	-	-	-	-	-	191	-	-	100	-	1,124	-	1,124	-
1985	-	-	-	-	-	-	22,968	238	-	99	1	-	48,302	46,864	1,438	-
1986	-	-	-	-	-	-	17,611	87	-	100	0	-	34,504	34,140	365	-
Alexandria City of																
1982	3,578	1,040	4.07	-	4.07	-	-	-	3,722	-	-	100	14,567	-	-	14,567
1983	2,446	1,033	3.69	-	3.69	-	-	-	2,528	-	-	100	9,027	-	-	9,027
1984	1,203	1,025	4.33	-	4.33	-	-	-	1,233	-	-	100	5,202	-	-	5,202
1985	1,804	1,023	3.43	-	3.43	-	-	-	1,845	-	-	100	6,197	-	-	6,197
1986	1,627	1,027	2.13	-	2.13	-	-	-	1,671	-	-	100	3,474	-	-	3,474
Ames City of																
1982	2	1,000	3.94	-	3.94	-	2,209	70	2	97	3	0	4,739	4,272	457	9
1983	-	-	-	-	-	-	2,265	47	-	98	2	-	4,570	4,263	307	-
1984	-	-	-	-	-	-	3,219	46	-	99	1	-	6,537	6,233	304	-
1985	-	-	-	-	-	-	2,265	35	-	98	2	-	4,691	4,479	213	-
1986	-	-	-	-	-	-	2,364	17	-	99	1	-	4,530	4,468	62	-
Appalachian Power Co																
1982	-	-	-	-	-	-	271,404	-	-	100	-	-	546,712	546,712	-	-
1983	-	-	-	-	-	-	228,702	663	-	100	0	-	451,022	446,887	4,135	-
1984	-	-	-	-	-	-	298,830	983	-	100	0	-	557,802	551,621	6,181	-
1985	-	-	-	-	-	-	245,191	708	-	100	0	-	442,972	438,726	4,246	-
1986	-	-	-	-	-	-	292,417	760	-	100	0	-	486,048	483,407	2,641	-
Arizona Electric Pwr Coop Inc																
1982	817	1,044	3.82	-	3.82	-	18,898	-	853	96	-	4	54,055	50,937	-	3,119
1983	524	1,038	4.20	-	4.20	-	8,347	-	544	94	-	6	25,385	23,183	-	2,202
1984	745	1,042	4.19	-	4.19	-	15,237	-	776	95	-	5	43,931	40,810	-	3,121
1985	762	1,040	3.91	-	3.91	-	16,107	-	793	95	-	5	44,624	41,643	-	2,981
1986	1,518	1,030	1.98	-	1.98	-	10,300	-	1,564	87	-	13	28,749	25,746	-	3,002
Arizona Public Service Co																
1982	8,803	1,052	-	4.01	4.01	100.0	198,735	725	9,260	95	0	4	205,893	166,852	3,778	35,263
1983	5,831	1,041	-	4.36	4.36	100.0	210,627	33	6,073	97	0	3	212,119	186,527	186	25,407
1984	3,503	1,042	-	4.14	4.14	100.0	206,356	-	3,651	98	-	2	207,653	193,133	-	14,521
1985	7,060	1,053	-	3.94	3.94	100.0	178,427	158	7,434	96	0	4	228,034	199,267	929	27,838
1986	6,731	1,041	-	2.52	2.52	100.0	183,913	395	7,010	96	0	4	225,748	207,452	1,316	16,980
Arkansas Electric Coop Corp																
1982	3,161	1,021	3.48	3.82	3.48	.1	-	40	3,226	-	1	99	11,159	-	167	10,992
1983	149	1,039	-	4.52	4.52	100.0	-	-	155	-	-	100	675	-	-	675
1984	358	1,025	-	4.21	4.21	100.0	-	-	367	-	-	100	1,507	-	-	1,507
1985	873	1,024	-	4.22	4.22	100.0	-	-	894	-	-	100	3,685	-	-	3,685
Arkansas Power & Light Co																
1982	29,129	1,033	3.04	3.20	3.05	1.5	88,407	1,036	30,099	74	1	25	258,302	164,476	5,094	88,732
1983	33,533	1,034	3.65	1.63	3.32	16.3	125,375	1,004	34,690	78	1	22	341,109	224,011	5,877	111,222
1984	24,907	1,038	3.96	1.62	3.49	20.1	154,081	1,021	25,843	85	1	14	382,329	288,896	6,524	86,909
1985	11,228	1,057	3.85	1.65	2.88	43.9	174,434	628	11,868	93	0	6	313,715	277,813	3,557	32,345
1986	28,445	1,053	1.67	1.48	1.64	16.3	177,658	739	29,951	85	0	14	329,240	279,517	3,034	46,689
Associated Electric Coop Inc																
1982	-	-	-	-	-	-	103,177	-	-	100	-	-	162,966	162,966	-	-
1983	-	-	-	-	-	-	113,341	-	-	100	-	-	173,700	173,700	-	-
1984	-	-	-	-	-	-	139,344	-	-	100	-	-	204,504	204,504	-	-
1985	-	-	-	-	-	-	101,680	-	-	100	-	-	158,779	158,779	-	-
1986	-	-	-	-	-	-	98,698	-	-	100	-	-	146,010	146,010	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Atlantic City Electric Co																		
1982	613	96.4	12,888	10.4	3.0	47.19	41.99	47.00	1,244	100.0	149,492	1.8	28.21	-	28.21	-	-	-
1983	738	95.3	12,900	10.1	2.9	46.01	37.26	45.60	1,515	100.0	150,032	1.7	28.22	-	28.22	-	-	-
1984	795	91.1	12,990	9.9	2.8	44.98	49.81	45.41	1,604	100.0	150,787	.9	30.12	-	30.12	-	-	-
1985	702	92.9	13,003	9.8	2.6	44.84	50.34	45.23	714	100.0	149,840	.7	25.06	-	25.06	-	-	-
1986	588	88.6	12,982	9.9	2.6	45.17	46.92	45.37	899	100.0	150,949	.9	15.38	-	15.38	-	-	-
Austin City of																		
1982	-	-	-	-	-	-	-	-	[2] 27	-	147,500	.0	-	44.02	44.02	34	137,000	41.03
1983	-	-	-	-	-	-	-	-	[2] 6	-	147,500	1.0	-	27.51	27.51	78	130,000	20.27
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	130,000	34.43
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	137,000	33.60
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore Gas & Electric Co																		
1982	623	84.9	12,954	8.5	.9	55.04	46.49	53.75	3,484	100.0	149,723	1.0	29.46	-	29.46	15	138,356	39.68
1983	1,140	47.1	13,172	8.0	1.4	53.71	44.65	48.92	2,564	100.0	149,862	1.0	28.42	-	28.42	18	138,366	34.35
1984	2,231	55.4	12,990	8.5	1.2	51.97	46.34	49.46	2,364	100.0	150,248	1.0	29.88	-	29.88	16	138,828	34.77
1985	1,984	68.4	12,982	8.8	1.0	50.00	44.23	48.18	1,769	99.2	150,587	1.0	25.57	25.56	25.57	22	138,980	33.04
1986	2,709	67.0	12,903	8.9	1.0	45.98	42.35	44.78	1,062	95.3	150,805	1.0	14.26	12.87	14.20	16	139,174	19.11
Bangor Hydro-Electric Co																		
1982	-	-	-	-	-	-	-	-	99	-	149,583	2.2	-	28.72	28.72	-	-	-
1983	-	-	-	-	-	-	-	-	47	100.0	150,390	2.3	28.49	-	28.49	-	-	-
1984	-	-	-	-	-	-	-	-	56	100.0	150,683	2.4	31.77	-	31.77	-	-	-
1985	-	-	-	-	-	-	-	-	86	100.0	149,704	2.4	27.22	-	27.22	-	-	-
1986	-	-	-	-	-	-	-	-	116	100.0	150,392	2.3	16.87	-	16.87	-	-	-
Basin Electric Power Coop																		
1982	7,199	100.0	7,845	6.5	.4	13.89	-	13.89	-	-	-	-	-	-	-	-	-	-
1983	[1] 7,836	100.0	7,768	6.7	.5	13.94	-	13.94	-	-	-	-	-	-	-	73	137,883	30.57
1984	9,343	100.0	7,626	7.1	.5	13.74	-	13.74	-	-	-	-	-	-	-	96	137,883	33.13
1985	10,996	100.0	7,476	7.2	.5	12.38	-	12.38	-	-	-	-	-	-	-	101	137,883	32.95
1986	10,921	100.0	7,506	6.8	.5	11.69	-	11.69	-	-	-	-	-	-	-	62	137,883	22.32
Big Rivers Electric Corp																		
1982	3,505	89.5	10,997	12.3	2.7	31.28	23.84	30.50	-	-	-	-	-	-	-	16	136,000	41.32
1983	4,088	89.0	11,048	11.9	2.7	30.15	24.32	29.51	-	-	-	-	-	-	-	7	136,000	34.88
1984	4,851	88.2	11,011	12.1	2.9	29.33	26.04	28.94	-	-	-	-	-	-	-	73	136,000	34.95
1985	4,806	93.1	11,117	12.1	3.1	29.42	24.32	29.07	-	-	-	-	-	-	-	39	138,000	33.98
1986	4,443	98.9	11,010	12.1	3.0	27.06	22.02	27.01	-	-	-	-	-	-	-	29	138,000	18.10
Boston Edison Co																		
1982	-	-	-	-	-	-	-	-	10,496	94.1	148,965	1.3	27.71	26.56	27.65	22	138,002	41.54
1983	-	-	-	-	-	-	-	-	10,232	88.4	148,742	1.2	27.24	27.10	27.22	0	138,931	33.25
1984	-	-	-	-	-	-	-	-	9,161	79.8	148,989	1.1	29.29	29.19	29.27	-	-	-
1985	-	-	-	-	-	-	-	-	6,537	76.4	150,747	1.3	26.03	24.77	25.73	-	-	-
1986	-	-	-	-	-	-	-	-	12,657	61.2	149,582	1.1	15.35	12.78	14.35	-	-	-
Brazos Electric Power Coop Inc																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	139,000	31.93
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bryan City of																		
1982	-	-	-	-	-	-	-	-	[2] 28	-	143,435	.5	-	29.58	29.58	14	142,759	40.20
1983	-	-	-	-	-	-	-	-	[2] 9	-	143,398	.6	-	29.08	29.08	19	143,328	33.64
1984	-	-	-	-	-	-	-	-	[2] 40	-	121,674	.7	-	23.62	23.62	-	-	-
1985	-	-	-	-	-	-	-	-	16	-	143,706	.2	-	26.34	26.34	16	136,286	30.77
1986	-	-	-	-	-	-	-	-	1	-	143,599	.1	-	25.99	25.99	-	-	-
Burbank City of																		
1982	-	-	-	-	-	-	-	-	23	100.0	145,256	.2	37.68	-	37.68	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	27	-	148,157	.3	-	17.75	17.75	-	-	-
Cajun Electric Power Coop Inc																		
1982	1,171	100.0	8,076	6.0	.4	38.44	-	38.44	-	-	-	-	-	-	-	196	141,592	38.01

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," and predecessor forms.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Atlantic City Electric Co																
1982	-	-	-	-	-	-	15,794	7,812	-	67	33	-	63,897	28,801	35,095	-
1983	-	-	-	-	-	-	19,040	9,547	-	67	33	-	76,410	33,652	42,757	-
1984	-	-	-	-	-	-	20,662	10,158	-	67	33	-	84,422	36,117	48,305	-
1985	-	-	-	-	-	-	18,257	4,493	-	80	20	-	49,645	31,749	17,896	-
1986	-	-	-	-	-	-	15,267	5,700	-	73	27	-	40,509	26,680	13,830	-
Austin City of																
1982	24,100	1,004	-	4.13	4.13	100.0	-	362	24,187	-	1	99	102,210	-	2,578	99,631
1983	14,483	989	3.38	4.27	4.24	96.6	-	463	14,326	-	3	97	63,191	-	1,746	61,445
1984	21,726	1,005	-	4.26	4.26	100.0	-	7	21,842	-	0	100	92,668	-	46	92,623
1985	23,948	1,021	-	3.66	3.66	100.0	-	13	24,439	-	0	100	87,688	-	76	87,612
1986	24,481	1,015	-	2.37	2.37	100.0	-	-	24,853	-	-	100	58,098	-	-	58,098
Baltimore Gas & Electric Co																
1982	-	-	-	-	-	-	16,140	21,996	-	42	58	-	136,722	33,485	103,237	-
1983	-	-	-	-	-	-	30,031	16,243	-	65	35	-	129,261	55,765	73,497	-
1984	-	-	-	-	-	-	57,959	15,011	-	79	21	-	181,529	110,341	71,189	-
1985	-	-	-	-	-	-	51,514	11,317	-	82	18	-	141,549	95,590	45,958	-
1986	-	-	-	-	-	-	69,907	6,820	-	91	9	-	136,706	121,321	15,385	-
Bangor Hydro-Electric Co																
1982	-	-	-	-	-	-	-	621	-	-	100	-	2,837	-	2,837	-
1983	-	-	-	-	-	-	-	297	-	-	100	-	1,338	-	1,338	-
1984	-	-	-	-	-	-	-	355	-	-	100	-	1,782	-	1,782	-
1985	-	-	-	-	-	-	-	542	-	-	100	-	2,345	-	2,345	-
1986	-	-	-	-	-	-	-	732	-	-	100	-	1,956	-	1,956	-
Basin Electric Power Coop																
1982	-	-	-	-	-	-	112,948	-	-	100	-	-	99,974	99,974	-	-
1983	-	-	-	-	-	-	121,746	423	-	100	0	-	111,475	109,242	2,234	-
1984	-	-	-	-	-	-	142,490	555	-	100	0	-	131,532	128,358	3,174	-
1985	-	-	-	-	-	-	164,405	583	-	100	0	-	139,409	136,091	3,318	-
1986	-	-	-	-	-	-	163,950	361	-	100	0	-	129,095	127,702	1,393	-
Big Rivers Electric Corp																
1982	82	1,000	4.10	-	4.10	-	77,097	93	82	100	0	0	107,937	106,926	673	338
1983	67	1,000	4.55	-	4.55	-	90,337	42	67	100	0	0	121,220	120,660	255	305
1984	57	1,000	4.37	-	4.37	-	106,833	420	57	100	0	0	143,204	140,386	2,569	249
1985	28	1,000	4.40	4.31	4.34	70.5	106,850	227	28	100	0	0	141,158	139,702	1,332	124
1986	50	1,000	-	3.80	3.80	100.0	97,844	166	50	100	0	0	120,699	119,991	518	189
Boston Edison Co																
1982	7,879	1,095	4.22	-	4.22	-	-	65,796	8,631	-	88	12	324,315	-	291,086	33,229
1983	15,159	1,072	4.04	9.15	4.06	.3	-	63,923	16,245	-	80	20	340,033	-	278,554	61,479
1984	19,810	1,077	4.25	7.81	4.26	.3	-	57,325	21,332	-	73	27	352,458	-	268,146	84,312
1985	33,681	1,043	3.50	7.34	3.51	.2	-	41,389	35,130	-	54	46	286,372	-	168,201	118,171
1986	8,583	1,032	2.31	6.44	2.35	1.0	-	79,518	8,856	-	90	10	201,825	-	181,671	20,154
Brazos Electric Power Coop Inc																
1982	15,927	1,009	-	3.68	3.68	100.0	-	11	16,076	-	0	100	58,643	-	61	58,582
1983	11,665	1,003	-	3.91	3.91	100.0	-	-	11,702	-	-	100	45,654	-	-	45,654
1984	13,672	1,010	3.41	3.95	3.87	85.2	-	-	13,812	-	-	100	52,928	-	-	52,928
1985	17,939	1,025	-	3.38	3.38	100.0	-	-	18,392	-	-	100	60,661	-	-	60,661
1986	14,572	1,015	1.53	2.91	2.69	84.1	-	-	14,788	-	-	100	39,247	-	-	39,247
Bryan City of																
1982	4,121	1,143	4.51	-	4.51	-	-	251	4,709	-	5	95	19,949	-	1,382	18,567
1983	3,249	1,049	4.28	-	4.28	-	-	168	3,408	-	5	95	14,809	-	898	13,911
1984	2,634	1,037	4.15	-	4.15	-	-	202	2,731	-	7	93	11,872	-	933	10,939
1985	3,496	1,075	3.44	-	3.44	-	-	188	3,759	-	5	95	12,942	-	912	12,030
1986	4,116	1,046	1.70	-	1.70	-	-	7	4,306	-	0	100	7,023	-	28	6,995
Burbank City of																
1982	3,889	1,058	5.33	-	5.33	-	-	140	4,115	-	3	97	21,604	-	867	20,737
1983	3,405	1,051	5.21	-	5.21	-	-	-	3,579	-	-	100	17,743	-	-	17,743
1984	2,981	1,062	5.23	-	5.23	-	-	-	3,165	-	-	100	15,604	-	-	15,604
1985	2,074	1,083	4.81	-	4.81	-	-	-	2,245	-	-	100	9,981	-	-	9,981
1986	2,688	1,081	2.56	-	2.56	-	-	168	2,906	-	5	95	7,362	-	479	6,883
Cajun Electric Power Coop Inc																
1982	10,705	1,047	-	1.17	1.17	100.0	18,910	1,167	11,210	60	4	36	65,027	45,000	7,457	12,570

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Cajun Electric Power Coop Inc																		
1983	1,807	97.0	8,175	5.9	0.4	39.34	35.08	39.21	-	-	-	-	-	-	-	159	139,662	34.36
1984	4,217	100.0	8,382	6.0	.5	38.37	-	38.37	-	-	-	-	-	-	-	80	140,000	34.02
1985	4,235	100.0	8,386	6.4	.5	37.97	-	37.97	-	-	-	-	-	-	-	44	140,000	33.51
1986	4,124	100.0	8,407	6.0	.5	32.27	-	32.27	-	-	-	-	-	-	-	41	140,000	18.31
Cambridge Electric Light Co																		
1982	-	-	-	-	-	-	-	-	136	100.0	148,799	0.5	33.05	-	33.05	-	-	-
1983	-	-	-	-	-	-	-	-	144	100.0	149,334	.5	30.00	-	30.00	-	-	-
1984	-	-	-	-	-	-	-	-	101	100.0	149,022	.5	32.16	-	32.16	-	-	-
1985	-	-	-	-	-	-	-	-	150	97.3	148,885	.5	30.51	27.83	30.44	-	-	-
1986	-	-	-	-	-	-	-	-	428	100.0	149,075	.5	18.20	-	18.20	-	-	-
Canal Electric Co																		
1982	-	-	-	-	-	-	-	-	9,424	100.0	149,390	2.1	25.97	-	25.97	-	-	-
1983	-	-	-	-	-	-	-	-	7,587	100.0	149,877	2.2	26.19	-	26.19	-	-	-
1984	-	-	-	-	-	-	-	-	9,476	100.0	150,412	2.1	28.75	-	28.75	-	-	-
1985	-	-	-	-	-	-	-	-	8,732	95.6	151,174	2.2	24.90	23.20	24.82	-	-	-
1986	-	-	-	-	-	-	-	-	9,552	92.3	152,037	2.0	13.85	17.84	14.16	-	-	-
Cardinal Operating Co																		
1982	4,064	88.7	11,666	13.0	2.1	39.49	33.28	38.79	-	-	-	-	-	-	-	-	-	-
1983	4,128	89.8	11,641	13.4	2.1	39.58	33.84	38.99	-	-	-	-	-	-	-	31	140,356	35.27
1984	4,569	90.6	11,639	13.6	2.1	39.67	37.02	39.42	-	-	-	-	-	-	-	64	139,396	35.12
1985	3,855	100.0	11,593	13.5	2.2	39.13	-	39.13	-	-	-	-	-	-	-	77	139,377	33.50
1986	3,906	98.1	11,689	13.4	2.2	38.64	28.99	38.45	-	-	-	-	-	-	-	74	139,023	18.40
Carolina Power & Light Co																		
1982	10,035	93.7	12,318	11.1	.8	47.69	40.72	47.26	-	-	-	-	-	-	-	164	138,000	40.53
1983	10,006	90.3	12,440	10.5	.8	47.66	36.31	46.56	-	-	-	-	-	-	-	113	138,000	35.00
1984	11,448	89.1	12,516	10.2	.9	49.24	39.31	48.16	-	-	-	-	-	-	-	117	138,000	34.63
1985	9,362	98.3	12,511	9.9	.8	50.37	38.95	50.18	-	-	-	-	-	-	-	118	138,000	32.99
1986	9,915	88.2	12,563	9.6	.9	47.92	35.48	46.45	-	-	-	-	-	-	-	105	138,000	19.52
Cedar Falls City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	16	-	10,912	8.8	1.7	-	31.28	31.28	-	-	-	-	-	-	-	-	-	-
Centel Corp																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central Electric Pwr Coop-MO																		
1982	212	-	11,140	10.2	3.5	-	31.60	31.60	-	-	-	-	-	-	-	-	-	-
1983	8	-	10,341	12.1	3.6	-	24.04	24.04	-	-	-	-	-	-	-	-	-	-
1984	234	-	10,897	12.7	3.6	-	30.90	30.90	-	-	-	-	-	-	-	-	-	-
1985	125	-	11,503	9.7	3.1	-	27.34	27.34	-	-	-	-	-	-	-	-	-	-
1986	63	-	11,065	10.4	2.9	-	24.89	24.89	-	-	-	-	-	-	-	-	-	-
Central Hudson Gas & Elec Corp																		
1982	-	-	-	-	-	-	-	-	10,981	99.7	149,225	1.6	27.26	28.84	27.27	-	-	-
1983	-	-	-	-	-	-	-	-	12,692	99.9	150,396	1.6	27.33	28.87	27.33	38	139,500	37.32
1984	-	-	-	-	-	-	-	-	12,049	100.0	150,304	1.7	29.67	-	29.67	47	139,500	37.12
1985	-	-	-	-	-	-	-	-	10,209	93.7	150,675	1.4	26.15	25.92	26.14	52	139,500	35.07
1986	1	100.0	13,299	6.7	.6	52.13	-	52.13	11,455	97.2	150,406	1.3	15.72	17.08	15.76	44	139,500	21.97
Central Illinois Light Co																		
1982	2,428	83.4	11,337	8.0	2.0	45.85	63.48	48.79	-	-	-	-	-	-	-	16	137,384	39.15
1983	1,887	85.6	11,858	7.4	1.6	48.75	53.05	49.37	-	-	-	-	-	-	-	17	137,029	36.70
1984	2,214	100.0	12,106	6.9	1.9	50.05	-	50.05	-	-	-	-	-	-	-	20	137,526	37.38
1985	2,025	100.0	11,943	6.9	2.0	49.36	-	49.36	-	-	-	-	-	-	-	13	137,102	34.94
1986	2,153	100.0	12,028	6.8	2.0	46.23	-	46.23	-	-	-	-	-	-	-	21	137,888	21.89
Central Illinois Pub Serv Co																		
1982	5,141	93.4	10,702	11.8	3.2	34.21	30.28	33.96	-	-	-	-	-	-	-	18	137,685	43.23
1983	4,760	91.8	10,988	10.0	3.0	37.40	27.68	36.60	-	-	-	-	-	-	-	35	137,072	37.26

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Cajun Electric Power Coop Inc																
1983	5,761	1,046	-	0.71	0.71	100.0	29,544	932	6,028	81	3	17	80,413	70,863	5,459	4,092
1984	3,050	1,088	-	.35	.35	100.0	70,699	470	3,318	95	1	4	165,604	161,807	2,721	1,076
1985	1,962	1,068	-	.35	.35	100.0	71,026	261	2,096	97	0	3	162,974	160,808	1,487	679
1986	3,514	1,064	-	1.23	1.23	100.0	69,342	240	3,739	95	0	5	138,155	133,080	746	4,328
Cambridge Electric Light Co																
1982	1,535	1,000	4.44	-	4.44	-	-	850	1,535	-	36	64	11,316	-	4,494	6,822
1983	1,737	1,000	4.02	-	4.02	-	-	903	1,737	-	34	66	11,298	-	4,320	6,977
1984	2,159	1,000	4.45	-	4.45	-	-	630	2,159	-	23	77	12,835	-	3,235	9,600
1985	1,991	1,000	3.76	-	3.76	-	-	938	1,991	-	32	68	12,058	-	4,566	7,492
1986	612	1,000	2.49	-	2.49	-	-	2,680	612	-	81	19	9,312	-	7,790	1,522
Canal Electric Co																
1982	-	-	-	-	-	-	-	59,130	-	-	100	-	244,732	-	244,732	-
1983	-	-	-	-	-	-	-	47,759	-	-	100	-	198,735	-	198,735	-
1984	-	-	-	-	-	-	-	59,863	-	-	100	-	272,401	-	272,401	-
1985	-	-	-	-	-	-	-	55,442	-	-	100	-	216,738	-	216,738	-
1986	-	-	-	-	-	-	-	60,995	-	-	100	-	135,233	-	135,233	-
Cardinal Operating Co																
1982	-	-	-	-	-	-	94,818	-	-	100	-	-	157,644	157,644	-	-
1983	-	-	-	-	-	-	96,110	185	-	100	0	-	162,065	160,957	1,107	-
1984	-	-	-	-	-	-	106,357	376	-	100	0	-	182,377	180,119	2,258	-
1985	-	-	-	-	-	-	89,386	448	-	100	0	-	153,415	150,849	2,566	-
1986	-	-	-	-	-	-	91,312	434	-	100	0	-	151,561	150,194	1,367	-
Carolina Power & Light Co																
1982	-	-	-	-	-	-	247,213	951	-	100	0	-	480,838	474,190	6,647	-
1983	-	-	-	-	-	-	248,946	655	-	100	0	-	469,841	465,886	3,955	-
1984	-	-	-	-	-	-	286,566	679	-	100	0	-	555,354	551,295	4,059	-
1985	-	-	-	-	-	-	234,266	685	-	100	0	-	473,693	469,794	3,900	-
1986	-	-	-	-	-	-	249,136	606	-	100	0	-	462,646	460,604	2,042	-
Cedar Falls City of																
1982	5	991	-	4.15	4.15	100.0	-	-	5	-	-	100	19	-	-	19
1983	3	997	-	6.04	6.04	100.0	-	-	3	-	-	100	21	-	-	21
1984	9	987	-	3.79	3.79	100.0	-	-	8	-	-	100	33	-	-	33
1985	4	994	-	4.30	4.30	100.0	-	-	4	-	-	100	16	-	-	16
1986	4	998	-	4.00	4.00	100.0	338	-	4	99	-	1	503	485	-	18
Centel Corp																
1982	7,811	972	3.49	2.35	2.45	91.3	-	-	7,596	-	-	100	19,141	-	-	19,141
1983	5,628	978	3.47	2.89	2.92	94.0	-	-	5,503	-	-	100	16,450	-	-	16,450
1984	3,320	978	3.50	3.21	3.24	89.5	-	-	3,247	-	-	100	10,750	-	-	10,750
1985	2,238	957	2.78	3.23	2.90	25.6	-	-	2,141	-	-	100	6,480	-	-	6,480
1986	1,917	954	2.45	2.45	2.45	24.4	-	-	1,828	-	-	100	4,702	-	-	4,702
Central Electric Pwr Coop-MO																
1982	-	-	-	-	-	-	4,724	-	-	100	-	-	6,699	6,699	-	-
1983	-	-	-	-	-	-	165	-	-	100	-	-	192	192	-	-
1984	-	-	-	-	-	-	5,100	-	-	100	-	-	7,231	7,231	-	-
1985	-	-	-	-	-	-	2,876	-	-	100	-	-	3,417	3,417	-	-
1986	-	-	-	-	-	-	1,394	-	-	100	-	-	1,568	1,568	-	-
Central Hudson Gas & Elec Corp																
1982	3,448	1,028	4.03	-	4.03	-	-	68,823	3,545	-	95	5	313,355	-	299,452	13,902
1983	3,405	1,029	4.23	6.74	4.61	15.1	-	80,394	3,503	-	96	4	363,973	-	348,261	15,713
1984	5,089	1,030	4.33	5.97	4.36	1.7	-	76,338	5,243	-	94	6	381,402	-	359,226	22,175
1985	4,353	1,034	4.01	6.17	4.06	2.6	-	64,911	4,500	-	94	6	286,354	-	268,666	17,689
1986	555	1,037	2.98	5.83	4.50	53.5	27	72,620	575	0	99	1	183,993	52	181,442	2,499
Central Illinois Light Co																
1982	479	991	-	3.82	3.82	100.0	55,052	92	475	99	0	1	120,912	118,457	626	1,828
1983	284	992	-	5.32	5.32	100.0	44,751	98	282	99	0	1	95,288	93,153	624	1,511
1984	120	981	-	5.43	5.43	100.0	53,605	113	118	100	0	0	112,189	110,809	729	651
1985	94	978	-	4.65	4.65	100.0	48,369	73	92	100	0	0	100,832	99,951	444	437
1986	-	-	-	-	-	-	51,791	120	-	100	0	-	99,976	99,523	453	-
Central Illinois Pub Serv Co																
1982	-	-	-	-	-	-	110,027	106	-	100	0	-	175,342	174,551	791	-
1983	-	-	-	-	-	-	104,602	202	-	100	0	-	175,536	174,228	1,308	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Central Illinois Pub Serv Co																		
1984	5,349	78.0	11,098	9.3	2.8	39.06	35.24	38.22	-	-	-	-	-	-	-	55	137,156	38.23
1985	4,694	93.9	11,051	9.1	2.8	38.94	35.04	38.70	-	-	-	-	-	-	-	50	136,592	37.21
1986	4,923	93.5	11,086	8.9	2.8	38.55	26.01	37.74	67	100.0	157,149	0.4	11.51	-	11.51	42	137,435	21.44
Central Kansas Power Company																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central Louisiana Elec Co Inc																		
1982	515	100.0	8,581	6.5	.4	38.56	-	38.56	-	-	-	-	-	-	-	-	-	-
1983	606	100.0	8,898	5.3	.4	38.79	-	38.79	-	-	-	-	-	-	-	-	-	-
1984	1,854	100.0	8,625	5.9	.4	39.31	-	39.31	-	-	-	-	-	-	-	-	-	-
1985	1,981	100.0	8,411	6.8	.5	32.85	-	32.85	-	-	-	-	-	-	-	-	-	-
1986	3,666	100.0	7,506	10.2	.5	23.21	-	23.21	-	-	-	-	-	-	-	-	-	-
Central Maine Power Co																		
1982	-	-	-	-	-	-	-	-	2,933	83.1	149,519	1.2	30.17	31.27	30.36	43	138,552	43.82
1983	-	-	-	-	-	-	-	-	3,298	76.5	149,802	1.1	29.67	28.07	29.30	50	138,523	37.49
1984	-	-	-	-	-	-	-	-	3,486	70.5	149,901	.8	31.32	30.93	31.21	24	138,241	36.75
1985	-	-	-	-	-	-	-	-	2,893	89.5	150,693	.9	26.93	24.24	26.64	21	139,478	34.48
1986	-	-	-	-	-	-	-	-	4,460	80.4	149,877	.9	14.02	18.95	14.99	19	139,100	20.39
Central Nebraska Pub P&I Dist																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	17	-	150,000	1.2	-	14.60	14.60	-	-	-
Central Operating Co																		
1982	1,752	91.7	11,851	13.1	1.0	45.93	41.22	45.54	-	-	-	-	-	-	-	-	-	-
1983	1,744	98.1	12,084	12.3	1.0	50.61	40.01	50.40	-	-	-	-	-	-	-	29	138,136	36.19
1984	1,411	73.2	11,938	13.2	.9	50.24	34.44	46.01	-	-	-	-	-	-	-	29	137,030	37.05
1985	1,290	65.8	12,434	10.8	1.0	48.12	31.85	42.56	-	-	-	-	-	-	-	31	137,579	35.15
1986	1,831	66.3	12,352	11.4	1.0	45.69	29.06	40.09	-	-	-	-	-	-	-	32	137,440	20.29
Central Power & Light Co																		
1982	2,036	100.0	10,680	5.5	.3	52.69	-	52.69	-	-	-	-	-	-	-	-	-	-
1983	1,952	89.4	10,710	5.4	.3	53.79	42.68	52.61	-	-	-	-	-	-	-	-	-	-
1984	1,773	76.5	11,136	6.8	.4	56.69	46.25	54.24	[2] 31	-	152,800	.0	-	31.50	31.50	-	-	-
1985	1,629	83.3	11,044	6.0	.4	60.70	48.12	58.60	-	-	-	-	-	-	-	-	-	-
1986	1,792	84.3	10,764	5.2	.3	49.61	37.84	47.76	-	-	-	-	-	-	-	-	-	-
Cincinnati Gas & Electric Co																		
1982	6,089	89.5	11,205	13.2	2.2	37.43	29.19	36.56	-	-	-	-	-	-	-	144	138,933	39.32
1983	6,149	93.6	11,335	13.3	2.2	38.52	25.85	37.70	-	-	-	-	-	-	-	79	139,187	41.83
1984	6,472	90.2	11,362	13.4	2.2	39.29	33.14	38.69	-	-	-	-	-	-	-	72	139,406	38.24
1985	5,696	91.6	11,348	13.2	2.1	39.84	27.70	38.81	-	-	-	-	-	-	-	64	138,714	34.75
1986	5,761	90.5	11,481	13.1	2.0	40.31	29.64	39.30	-	-	-	-	-	-	-	70	138,001	21.75
Cleveland Electric Illum Co																		
1982	5,940	86.6	12,319	10.2	2.9	45.84	38.55	44.86	115	-	150,710	1.1	-	33.02	33.02	48	138,024	41.61
1983	5,350	82.5	12,382	9.9	2.9	46.23	39.04	44.97	48	-	151,811	.9	-	28.40	28.40	46	138,273	36.21
1984	5,733	72.5	12,316	10.0	2.9	45.02	37.95	43.07	129	-	150,432	1.1	-	29.79	29.79	38	138,071	36.69
1985	5,255	68.8	12,361	10.0	2.8	43.14	39.08	41.87	154	-	150,740	1.0	-	28.02	28.02	47	137,862	34.24
1986	5,545	65.4	12,510	9.3	2.7	41.39	36.60	39.73	72	-	149,979	1.2	-	17.18	17.18	70	137,504	23.16
Coffeyville City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado Springs City of																		
1982	1,452	100.0	10,602	8.2	.4	31.75	-	31.75	-	-	-	-	-	-	-	15	140,300	9.85
1983	1,236	100.0	10,657	7.7	.4	33.60	-	33.60	-	-	-	-	-	-	-	8	140,300	34.27
1984	1,225	100.0	10,693	7.5	.4	34.37	-	34.37	-	-	-	-	-	-	-	-	-	-
1985	1,459	100.0	10,650	7.2	.4	36.66	-	36.66	-	-	-	-	-	-	-	6	136,535	31.79
1986	1,494	100.0	10,655	7.2	.4	35.85	-	35.85	-	-	-	-	-	-	-	4	137,118	19.27

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Central Illinois Pub Serv Co																
1984	-	-	-	-	-	-	118,736	317	-	100	0	-	206,539	204,436	2,102	-
1985	-	-	-	-	-	-	103,737	285	-	100	0	-	183,480	181,634	1,846	-
1986	-	-	-	-	-	-	109,165	690	-	99	1	-	187,476	185,790	1,686	-
Central Kansas Power Company																
1983	10	937	2.62	-	2.62	-	-	-	9	-	-	100	25	-	-	25
Central Louisiana Elec Co Inc																
1982	42,996	1,044	4.02	3.62	4.00	4.1	8,838	-	44,869	16	-	84	191,869	19,860	-	172,008
1983	32,614	1,042	4.36	3.34	4.33	2.7	10,784	-	33,993	24	-	76	164,733	23,508	-	141,225
1984	28,932	1,042	4.44	3.28	4.43	1.0	31,982	-	30,157	51	-	49	200,956	72,881	-	128,075
1985	36,605	1,041	3.75	-	3.75	-	33,324	-	38,106	47	-	53	202,398	65,080	-	137,318
1986	32,891	1,041	2.75	-	2.75	-	55,033	-	34,245	62	-	38	175,399	85,075	-	90,324
Central Maine Power Co																
1982	-	-	-	-	-	-	-	18,669	-	-	100	-	90,917	-	90,917	-
1983	-	-	-	-	-	-	-	21,041	-	-	100	-	98,497	-	98,497	-
1984	-	-	-	-	-	-	-	22,087	-	-	100	-	109,663	-	109,663	-
1985	-	-	-	-	-	-	-	18,433	-	-	100	-	77,799	-	77,799	-
1986	-	-	-	-	-	-	-	28,189	-	-	100	-	67,263	-	67,263	-
Central Nebraska Pub P&I Dist																
1982	192	915	2.48	-	2.48	-	-	-	176	-	-	100	476	-	-	476
1983	278	923	2.65	-	2.65	-	-	-	256	-	-	100	737	-	-	737
1984	365	917	2.87	-	2.87	-	-	-	335	-	-	100	1,047	-	-	1,047
1985	268	927	3.19	-	3.19	-	-	-	249	-	-	100	857	-	-	857
1986	349	944	3.16	-	3.16	-	-	108	329	-	25	75	1,351	-	251	1,101
Central Operating Co																
1982	-	-	-	-	-	-	41,525	-	-	100	-	-	79,778	79,778	-	-
1983	-	-	-	-	-	-	42,153	170	-	100	0	-	88,965	87,904	1,060	-
1984	-	-	-	-	-	-	33,680	166	-	100	0	-	65,971	64,900	1,071	-
1985	-	-	-	-	-	-	32,080	179	-	99	1	-	55,986	54,896	1,090	-
1986	-	-	-	-	-	-	45,241	185	-	100	0	-	74,062	73,412	649	-
Central Power & Light Co																
1982	107,319	1,036	-	4.06	4.06	100.0	43,486	-	111,142	28	-	72	542,564	107,275	-	435,289
1983	116,184	1,037	3.36	3.94	3.92	97.0	41,816	-	120,438	26	-	74	558,701	102,718	-	455,983
1984	118,915	1,045	3.32	4.06	3.74	57.3	39,496	202	124,287	24	0	76	542,476	96,184	990	445,302
1985	123,901	1,036	2.76	3.50	3.06	41.0	35,989	-	128,315	22	-	78	474,779	95,487	-	379,292
1986	119,250	1,039	1.64	3.14	2.37	48.5	38,573	-	123,904	24	-	76	367,771	85,567	-	282,204
Cincinnati Gas & Electric Co																
1982	-	-	-	-	-	-	136,465	841	-	99	1	-	228,289	222,624	5,665	-
1983	-	-	-	-	-	-	139,409	462	-	100	0	-	235,162	231,853	3,309	-
1984	-	-	-	-	-	-	147,064	424	-	100	0	-	253,170	250,402	2,769	-
1985	-	-	-	-	-	-	129,268	373	-	100	0	-	223,297	221,069	2,228	-
1986	-	-	-	-	-	-	132,292	408	-	100	0	-	227,942	226,411	1,531	-
Cleveland Electric Illum Co																
1982	-	-	-	-	-	-	146,341	1,012	-	99	1	-	272,310	266,483	5,828	-
1983	-	-	-	-	-	-	132,483	573	-	100	0	-	243,632	240,603	3,029	-
1984	-	-	-	-	-	-	141,217	1,035	-	99	1	-	252,169	246,932	5,237	-
1985	-	-	-	-	-	-	129,909	1,247	-	99	1	-	225,971	220,046	5,925	-
1986	-	-	-	-	-	-	138,732	858	-	99	1	-	223,177	220,319	2,858	-
Coffeyville City of																
1982	387	1,000	2.70	-	2.70	-	-	-	387	-	-	100	1,043	-	-	1,043
1983	245	1,000	2.88	-	2.88	-	-	-	245	-	-	100	705	-	-	705
1984	612	1,000	2.45	-	2.45	-	-	-	612	-	-	100	1,498	-	-	1,498
1985	572	1,000	2.76	-	2.76	-	-	-	572	-	-	100	1,578	-	-	1,578
1986	440	1,000	2.63	-	2.63	-	-	-	440	-	-	100	1,155	-	-	1,155
Colorado Springs City of																
1982	218	990	4.61	4.51	4.53	78.9	30,787	88	216	99	0	1	47,235	46,100	148	987
1983	152	987	4.23	4.23	4.23	56.6	26,346	45	150	99	0	1	42,439	41,537	260	641
1984	185	988	4.02	3.99	4.00	58.5	26,209	-	183	99	-	1	42,863	42,123	-	740
1985	220	1,000	4.00	3.98	3.99	37.1	31,088	36	220	99	0	1	54,586	53,512	197	877
1986	85	986	4.26	4.27	4.27	58.1	31,838	23	84	100	0	0	54,004	53,564	78	362

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Colorado Ute Electric Assn Inc																		
1982	3,598	100.0	10,146	8.4	0.4	14.64	-	14.64	-	-	-	-	-	-	-	18	136,714	39.63
1983	3,498	100.0	10,112	8.6	.4	15.17	-	15.17	-	-	-	-	-	-	-	15	136,708	35.78
1984	4,255	100.0	10,175	8.1	.5	17.83	-	17.83	-	-	-	-	-	-	-	4	139,101	37.10
1985	4,748	99.6	10,218	7.9	.4	18.96	14.36	18.94	-	-	-	-	-	-	-	5	136,235	34.00
1986	4,711	99.7	10,309	7.9	.4	18.96	10.78	18.94	-	-	-	-	-	-	-	7	137,196	20.92
Columbia City of																		
1982	82	100.0	10,912	11.4	3.9	35.11	-	35.11	-	-	-	-	-	-	-	-	-	-
1983	67	100.0	10,622	12.8	4.1	34.93	-	34.93	-	-	-	-	-	-	-	-	-	-
1984	60	100.0	10,750	11.6	3.9	35.47	-	35.47	-	-	-	-	-	-	-	-	-	-
1985	37	100.0	10,813	11.1	3.4	35.37	-	35.37	-	-	-	-	-	-	-	-	-	-
1986	52	100.0	10,979	10.2	3.8	35.14	-	35.14	-	-	-	-	-	-	-	-	-	-
Columbus & Southern Ohio El Co																		
1982	3,764	85.1	11,474	11.8	4.0	30.53	36.80	31.46	-	-	-	-	-	-	-	-	-	-
1983	3,768	76.0	11,793	9.4	3.5	36.69	37.38	36.86	-	-	-	-	-	-	-	47	138,069	35.99
1984	4,407	84.9	11,799	8.9	3.4	38.03	28.52	36.60	-	-	-	-	-	-	-	58	139,188	35.87
1985	3,778	97.6	11,893	8.6	3.4	37.38	26.31	37.11	-	-	-	-	-	-	-	32	138,553	34.29
1986	3,489	100.0	11,984	8.1	3.3	38.15	-	38.15	-	-	-	-	-	-	-	43	139,212	22.43
Columbus City of																		
1982	4	100.0	13,280	4.6	.7	47.49	-	47.49	-	-	-	-	-	-	-	-	-	-
1983	58	-	12,758	7.5	.9	-	43.62	43.62	-	-	-	-	-	-	-	-	-	-
1984	157	-	12,746	7.5	1.0	-	48.46	48.46	-	-	-	-	-	-	-	-	-	-
1985	118	-	12,874	9.3	.8	-	47.41	47.41	-	-	-	-	-	-	-	-	-	-
1986	93	-	12,610	8.0	.7	-	43.36	43.36	-	-	-	-	-	-	-	-	-	-
Commonwealth Edison Co IN Inc																		
1982	1,504	100.0	9,605	4.2	.4	46.94	-	46.94	-	-	-	-	-	-	-	-	-	-
1983	1,063	100.0	9,524	4.1	.4	50.18	-	50.18	-	-	-	-	-	-	-	-	-	-
1984	1,318	100.0	9,554	4.2	.4	48.57	-	48.57	-	-	-	-	-	-	-	-	-	-
1985	1,285	100.0	9,473	4.6	.4	54.22	-	54.22	-	-	-	-	-	-	-	-	-	-
1986	1,384	100.0	9,481	4.6	.4	53.93	-	53.93	-	-	-	-	-	-	-	-	-	-
Commonwealth Edison Co																		
1982	12,950	100.0	9,688	7.2	1.2	48.03	-	48.03	7,570	100.0	151,277	0.7	45.39	-	45.39	256	138,552	43.06
1983	13,917	100.0	9,628	7.1	1.2	50.56	-	50.56	4,284	100.0	151,159	.7	39.33	-	39.33	223	138,529	36.58
1984	11,758	100.0	9,693	7.0	1.3	50.49	-	50.49	4,269	100.0	151,851	.7	39.54	-	39.54	209	139,022	37.32
1985	13,457	100.0	9,617	6.8	1.0	56.27	-	56.27	3,001	100.0	151,942	.7	38.70	-	38.70	260	138,218	34.71
1986	14,389	100.0	9,646	6.8	1.0	55.94	-	55.94	2,095	100.0	150,579	.7	35.08	-	35.08	211	139,593	21.18
Commonwealth Electric Co																		
1982	-	-	-	-	-	-	-	-	84	77.4	149,848	.9	29.65	28.77	29.45	-	-	-
1983	-	-	-	-	-	-	-	-	37	100.0	149,864	1.0	28.52	-	28.52	-	-	-
1984	-	-	-	-	-	-	-	-	51	100.0	150,802	1.0	31.23	-	31.23	-	-	-
1985	-	-	-	-	-	-	-	-	88	90.9	150,459	1.1	27.28	23.03	26.89	-	-	-
1986	-	-	-	-	-	-	-	-	370	100.0	150,547	.8	16.39	-	16.39	-	-	-
Community Public Service Co																		
1983	-	-	-	-	-	-	-	-	[2] 1	-	148,890	1.0	-	24.37	24.37	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut Light & Power Co																		
1982	-	-	-	-	-	-	-	-	7,404	100.0	149,334	.9	29.00	-	29.00	6	137,957	42.12
1983	-	-	-	-	-	-	-	-	7,271	100.0	149,461	.9	27.80	-	27.80	18	136,929	35.93
1984	-	-	-	-	-	-	-	-	7,900	97.7	149,684	1.0	29.79	29.37	29.78	25	138,092	35.73
1985	-	-	-	-	-	-	-	-	7,501	95.2	149,851	1.0	25.98	26.02	25.98	28	138,443	33.85
1986	-	-	-	-	-	-	-	-	12,170	99.0	149,304	.8	15.84	13.91	15.82	20	138,161	21.07
Consolidated Edison Co-NY Inc																		
1982	-	-	-	-	-	-	-	-	14,803	100.0	146,661	.5	31.45	-	31.45	-	-	-
1983	-	-	-	-	-	-	-	-	22,398	83.4	146,508	.3	29.79	29.57	29.75	-	-	-
1984	-	-	-	-	-	-	-	-	17,850	94.3	146,804	.3	30.69	29.34	30.61	-	-	-
1985	-	-	-	-	-	-	-	-	15,098	91.8	147,077	.3	28.06	25.21	27.83	-	-	-
1986	-	-	-	-	-	-	-	-	16,021	74.5	147,180	.3	16.53	13.64	15.79	-	-	-
Consumers Power Co																		
1982	6,254	81.4	12,163	9.5	1.4	51.49	44.55	50.20	65	100.0	138,000	.7	32.52	-	32.52	45	139,000	40.23
1983	6,062	82.6	12,194	9.6	1.3	49.99	35.77	47.51	-	-	-	-	-	-	-	32	139,000	35.63

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Colorado Ute Electric Assn Inc																
1982	-	-	-	-	-	-	73,019	103	-	100	0	-	53,384	52,672	712	-
1983	-	-	-	-	-	-	70,740	87	-	100	0	-	53,598	53,057	541	-
1984	353	1,000	3.76	-	3.76	-	86,588	22	353	100	0	0	77,315	75,848	138	1,329
1985	478	972	3.62	-	3.62	-	97,036	31	465	99	0	0	91,868	89,950	187	1,731
1986	352	1,036	3.41	-	3.41	-	97,120	40	365	100	0	0	90,565	89,217	146	1,201
Columbia City of																
1982	84	1,000	4.54	-	4.54	-	1,782	-	84	95	-	5	3,251	2,867	-	384
1983	25	1,000	5.45	-	5.45	-	1,427	-	25	98	-	2	2,482	2,345	-	137
1984	-	-	-	-	-	-	1,282	-	-	100	-	-	2,115	2,115	-	-
1985	1	1,000	2.49	-	2.49	-	795	-	1	100	-	0	1,302	1,300	-	2
1986	1	1,000	3.17	-	3.17	-	1,146	-	1	100	-	0	1,837	1,833	-	3
Columbus & Southern Ohio El Co																
1982	-	-	-	-	-	-	86,382	-	-	100	-	-	118,430	118,430	-	-
1983	-	-	-	-	-	-	88,873	273	-	100	0	-	140,562	138,870	1,692	-
1984	-	-	-	-	-	-	104,001	342	-	100	0	-	163,381	161,282	2,098	-
1985	-	-	-	-	-	-	89,857	185	-	100	0	-	141,282	140,192	1,090	-
1986	-	-	-	-	-	-	83,626	253	-	100	0	-	134,089	133,118	971	-
Columbus City of																
1982	-	-	-	-	-	-	106	-	-	100	-	-	190	190	-	-
1983	-	-	-	-	-	-	1,480	-	-	100	-	-	2,530	2,530	-	-
1984	-	-	-	-	-	-	4,002	-	-	100	-	-	7,609	7,609	-	-
1985	-	-	-	-	-	-	3,038	-	-	100	-	-	5,594	5,594	-	-
1986	-	-	-	-	-	-	2,353	-	-	100	-	-	4,046	4,046	-	-
Commonwealth Edison Co IN Inc																
1982	135	1,027	-	3.57	3.57	100.0	28,893	-	139	100	-	0	71,081	70,599	-	482
1983	138	1,028	-	4.40	4.40	100.0	20,249	-	142	99	-	1	53,953	53,346	-	607
1984	96	1,027	-	4.19	4.19	100.0	25,183	-	98	100	-	0	64,419	64,018	-	400
1985	148	1,027	-	4.27	4.27	100.0	24,346	-	152	99	-	1	70,302	69,670	-	631
1986	161	1,029	-	3.96	3.96	100.0	26,245	-	166	99	-	1	75,271	74,635	-	637
Commonwealth Edison Co																
1982	1,177	1,024	3.17	4.40	4.40	99.7	250,905	49,584	1,205	83	16	0	981,721	621,916	354,631	5,173
1983	6,109	1,029	4.38	5.59	5.58	98.8	267,982	28,497	6,286	89	9	2	914,338	703,585	176,663	34,090
1984	2,905	1,029	4.58	5.42	5.40	97.5	227,950	28,447	2,988	88	11	1	785,926	593,658	176,593	15,675
1985	3,971	1,027	4.41	5.60	5.57	97.8	258,820	20,660	4,078	91	7	1	904,530	757,253	125,155	22,122
1986	4,595	1,025	3.65	5.02	5.00	98.4	277,596	14,488	4,708	94	5	2	905,828	804,877	77,968	22,984
Commonwealth Electric Co																
1982	923	1,000	4.05	-	4.05	-	-	529	923	-	36	64	6,215	-	2,474	3,741
1983	1,190	1,000	3.96	-	3.96	-	-	233	1,190	-	16	84	5,768	-	1,055	4,712
1984	1,252	1,000	4.43	-	4.43	-	-	323	1,252	-	21	79	7,144	-	1,593	5,551
1985	873	1,000	3.59	-	3.59	-	-	556	873	-	39	61	5,501	-	2,366	3,135
1986	153	1,000	2.61	-	2.61	-	-	2,340	153	-	94	6	6,464	-	6,065	399
Community Public Service Co																
1983	28	1,041	-	4.13	4.13	100.0	-	4	29	-	11	89	128	-	14	114
1984	62	1,039	-	4.06	4.06	100.0	-	-	65	-	-	100	253	-	-	253
1985	6	1,039	3.85	4.05	4.02	84.4	-	-	7	-	-	100	26	-	-	26
1986	6	1,034	3.52	-	3.52	-	-	-	6	-	-	100	20	-	-	20
Connecticut Light & Power Co																
1982	-	-	-	-	-	-	-	46,473	-	-	100	-	214,953	-	214,953	-
1983	-	-	-	-	-	-	-	45,749	-	-	100	-	202,815	-	202,815	-
1984	2,228	1,028	3.81	-	3.81	-	-	49,811	2,292	-	96	4	244,628	-	236,137	8,491
1985	1,562	1,031	3.49	-	3.49	-	-	47,373	1,611	-	97	3	201,291	-	195,835	5,456
1986	641	1,036	2.14	-	2.14	-	-	76,428	664	-	99	1	194,343	-	192,973	1,370
Consolidated Edison Co-NY Inc																
1982	69,174	1,031	-	3.87	3.87	100.0	-	91,181	71,288	-	56	44	732,846	-	465,479	267,367
1983	63,167	1,033	-	4.02	4.02	100.0	-	137,823	65,236	-	68	32	920,007	-	666,368	253,639
1984	79,957	1,034	-	4.07	4.07	100.0	-	110,059	82,694	-	57	43	871,976	-	546,396	325,580
1985	71,598	1,036	-	3.46	3.46	100.0	-	93,265	74,185	-	56	44	667,613	-	420,206	247,407
1986	70,109	1,036	-	2.31	2.31	100.0	-	99,032	72,613	-	58	42	414,780	-	253,020	161,760
Consumers Power Co																
1982	-	-	-	-	-	-	152,141	638	-	100	0	-	317,879	313,961	3,918	-
1983	-	-	-	-	-	-	147,846	187	-	100	0	-	289,166	288,026	1,140	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Consumers Power Co																		
1984	6,932	69.5	12,280	9.6	1.1	51.14	41.28	48.13	-	-	-	-	-	-	-	11	138,313	34.63
1985	6,864	91.0	12,205	9.6	1.0	45.80	38.23	45.12	123	-	147,619	1.0	-	28.35	28.35	14	138,075	32.52
1986	7,204	85.4	12,246	9.6	1.0	46.91	36.12	45.33	705	-	147,619	1.0	-	15.85	15.85	2	138,017	14.48
Coop Power Assn																		
1982	5,219	100.0	6,485	8.8	.5	11.75	-	11.75	-	-	-	-	-	-	-	-	-	-
1983	5,153	100.0	6,296	8.9	.5	11.82	-	11.82	241	-	137,816	2.3	-	24.28	24.28	-	-	-
1984	5,969	100.0	6,143	10.0	.6	11.80	-	11.80	5	-	147,000	2.5	-	26.86	26.86	-	-	-
1985	5,874	100.0	6,214	10.9	.7	12.24	-	12.24	1	-	147,000	2.5	-	23.52	23.52	-	-	-
1986	5,766	94.5	6,275	10.3	.7	11.65	5.20	11.29	4	-	147,000	2.5	-	18.21	18.21	-	-	-
Dairyland Power Coop																		
1982	2,135	100.0	9,351	8.3	1.6	31.04	-	31.04	-	-	-	-	-	-	-	-	-	-
1983	2,069	100.0	9,236	7.9	1.5	32.07	-	32.07	-	-	-	-	-	-	-	13	140,000	38.02
1984	2,387	93.7	9,203	8.0	1.3	33.13	27.64	32.78	-	-	-	-	-	-	-	14	139,766	36.29
1985	1,800	100.0	8,909	6.9	1.0	32.96	-	32.96	-	-	-	-	-	-	-	10	140,000	34.38
1986	2,232	100.0	9,763	6.7	1.0	34.29	-	34.29	-	-	-	-	-	-	-	4	140,000	20.10
Dallas Power & Light Co																		
1982	-	-	-	-	-	-	-	-	[2] 183	55.6	148,142	.6	34.39	32.93	33.74	-	-	-
1983	-	-	-	-	-	-	-	-	[2] 151	87.2	148,142	.6	33.11	31.37	32.88	0	137,524	35.28
Dayton Power & Light Co																		
1982	6,903	67.6	11,489	14.2	1.1	44.39	31.21	40.12	-	-	-	-	-	-	-	134	136,768	40.63
1983	5,460	83.7	11,730	13.1	1.2	48.02	26.60	44.52	-	-	-	-	-	-	-	57	136,274	36.74
1984	7,053	76.8	11,586	13.5	1.3	46.62	28.93	42.52	-	-	-	-	-	-	-	83	138,537	34.83
1985	6,603	79.8	11,580	13.6	1.3	46.93	26.91	42.87	-	-	-	-	-	-	-	81	137,739	33.19
1986	8,118	63.8	11,826	13.0	1.3	45.71	28.22	39.38	-	-	-	-	-	-	-	16	136,463	22.01
Deepwater Operating Co																		
1982	82	86.8	13,265	6.5	.8	61.85	50.68	60.38	662	100.0	148,468	.9	29.47	-	29.47	-	-	-
1983	170	76.5	12,970	8.6	.8	50.00	47.40	49.39	663	100.0	150,220	.9	27.92	-	27.92	-	-	-
1984	247	97.0	13,030	8.9	.8	49.18	48.01	49.15	719	100.0	150,653	.9	29.80	-	29.80	-	-	-
1985	122	92.9	13,002	8.5	.8	49.70	46.24	49.45	425	100.0	150,838	.9	25.50	-	25.50	-	-	-
1986	184	96.2	13,066	8.1	.8	47.40	40.44	47.14	196	100.0	148,945	1.0	13.86	-	13.86	-	-	-
Delmarva Power & Light Co																		
1982	1,930	70.1	12,609	10.7	1.3	55.38	50.76	54.00	3,173	92.8	150,917	1.1	29.66	28.31	29.56	142	138,962	41.35
1983	2,765	76.0	12,796	9.8	1.1	53.24	43.76	50.96	2,970	73.0	151,318	1.1	28.14	27.98	28.09	132	139,185	35.35
1984	2,783	56.5	12,987	8.6	1.0	52.13	50.06	51.23	3,216	76.0	150,348	1.1	29.85	28.90	29.62	119	138,973	34.27
1985	2,249	72.4	12,962	9.0	1.0	51.19	45.15	49.52	2,362	45.5	150,484	.9	25.14	26.41	25.83	115	139,159	31.81
1986	2,296	84.7	13,000	8.8	1.0	50.53	45.44	49.75	3,312	84.7	149,765	1.1	14.08	13.90	14.05	152	139,981	20.32
Denton City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	139,680	34.50
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	139,680	34.44
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deseret Generation & Tran Coop																		
1986	655	100.0	10,645	8.8	.4	41.81	-	41.81	-	-	-	-	-	-	-	40	140,572	22.60
Detroit City of																		
1982	-	-	-	-	-	-	-	-	294	-	149,531	1.0	-	25.43	25.43	16	140,600	40.27
1983	-	-	-	-	-	-	-	-	321	-	148,511	.9	-	27.71	27.71	15	143,096	31.93
1984	-	-	-	-	-	-	-	-	175	-	147,146	1.0	-	27.20	27.20	1	139,784	10.94
1985	-	-	-	-	-	-	-	-	205	-	147,489	.6	-	29.09	29.09	4	139,784	11.28
1986	-	-	-	-	-	-	-	-	332	-	148,207	.6	-	19.29	19.29	15	140,750	23.94
Detroit Edison Co																		
1982	12,191	96.2	11,922	8.5	1.5	42.80	54.07	43.23	1,199	27.9	147,305	.8	30.97	31.92	31.65	300	137,839	40.94
1983	14,013	99.4	11,560	8.4	1.5	42.13	48.57	42.17	208	100.0	151,456	.9	31.89	-	31.89	433	138,535	35.19
1984	15,013	92.9	11,518	8.0	1.3	42.46	44.98	42.64	651	45.6	147,970	.7	28.54	30.40	29.55	447	138,477	34.76
1985	14,489	87.3	11,417	6.4	.7	42.97	42.35	42.89	17	-	141,036	.9	-	26.04	26.04	608	138,266	32.65
1986	17,493	80.4	11,382	6.1	.7	42.95	31.70	40.74	459	-	148,244	.7	-	14.04	14.04	422	137,813	19.71
Dover City of																		
1982	-	-	-	-	-	-	-	-	669	100.0	149,709	2.4	26.48	-	26.48	-	-	-
1983	-	-	-	-	-	-	-	-	864	100.0	150,884	2.8	26.88	-	26.88	-	-	-
1984	-	-	-	-	-	-	-	-	736	100.0	151,251	2.5	29.11	-	29.11	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Consumers Power Co																
1984	-	-	-	-	-	-	170,257	65	-	100	0	-	334,040	333,652	388	-
1985	-	-	-	-	-	-	167,555	849	-	99	1	-	313,687	309,717	3,970	-
1986	-	-	-	-	-	-	176,426	4,383	-	98	2	-	337,734	326,531	11,204	-
Coop Power Assn																
1982	-	-	-	-	-	-	67,689	-	-	100	-	-	61,313	61,313	-	-
1983	-	-	-	-	-	-	64,895	1,398	-	98	2	-	66,771	60,909	5,862	-
1984	-	-	-	-	-	-	73,336	34	-	100	0	-	70,578	70,431	147	-
1985	-	-	-	-	-	-	73,007	8	-	100	0	-	71,924	71,895	29	-
1986	-	-	-	-	-	-	72,363	23	-	100	0	-	65,172	65,104	68	-
Dairyland Power Coop																
1982	-	-	-	-	-	-	39,928	-	-	100	-	-	66,270	66,270	-	-
1983	-	-	-	-	-	-	38,225	77	-	100	0	-	66,865	66,367	497	-
1984	-	-	-	-	-	-	43,937	85	-	100	0	-	78,784	78,259	526	-
1985	-	-	-	-	-	-	32,065	60	-	100	0	-	59,671	59,319	352	-
1986	-	-	-	-	-	-	43,585	22	-	100	0	-	76,626	76,552	74	-
Dallas Power & Light Co																
1982	65,084	1,032	-	3.86	3.86	100.0	-	1,136	67,137	-	2	98	257,159	-	6,161	250,998
1983	66,889	1,022	-	3.94	3.94	100.0	-	945	68,390	-	1	99	268,249	-	4,994	263,255
Dayton Power & Light Co																
1982	185	1,010	4.67	-	4.67	-	158,626	769	186	99	0	0	283,240	276,938	5,440	861
1983	187	1,019	5.63	-	5.63	-	128,089	326	191	100	0	0	246,213	243,064	2,094	1,055
1984	163	1,020	5.42	-	5.42	-	163,423	486	167	100	0	0	303,669	299,875	2,908	885
1985	167	1,020	5.22	-	5.22	-	152,918	466	170	100	0	0	286,628	283,081	2,675	871
1986	170	1,020	4.64	-	4.64	-	192,019	92	174	100	0	0	320,866	319,720	354	791
Deepwater Operating Co																
1982	1,847	1,034	4.54	-	4.54	-	2,185	4,131	1,909	27	50	23	32,883	4,974	19,524	8,385
1983	397	1,035	4.42	-	4.42	-	4,406	4,183	411	49	46	5	28,652	8,388	18,510	1,754
1984	117	1,038	4.73	-	4.73	-	6,447	4,549	121	58	41	1	34,136	12,159	21,424	553
1985	75	1,041	4.11	-	4.11	-	3,170	2,692	79	53	45	1	17,176	6,028	10,838	310
1986	570	1,036	2.41	-	2.41	-	4,808	1,226	591	73	19	9	12,765	8,673	2,716	1,376
Delmarva Power & Light Co																
1982	[3] 4,078	1,033	4.20	-	4.20	-	48,673	20,939	4,213	66	28	6	221,024	104,233	99,653	17,138
1983	[3] 4,198	1,034	4.28	-	4.28	-	70,765	19,650	4,342	75	21	5	247,023	140,915	88,123	17,984
1984	[3] 5,765	1,040	4.63	-	4.63	-	72,280	21,000	5,994	73	21	6	268,550	142,558	99,326	26,666
1985	[3] 6,475	1,040	4.03	-	4.03	-	58,292	15,604	6,736	72	19	8	202,118	111,359	64,691	26,067
1986	[3] 1,384	1,048	2.55	-	2.55	-	59,701	21,722	1,451	72	26	2	167,382	114,241	49,615	3,526
Denton City of																
1982	1,713	1,055	4.18	-	4.18	-	-	-	1,808	-	-	100	7,154	-	-	7,154
1983	971	1,066	4.34	-	4.34	-	-	26	1,036	-	2	98	4,375	-	156	4,219
1984	583	1,116	4.52	-	4.52	-	-	111	651	-	15	85	3,286	-	651	2,636
1985	1,459	1,099	3.54	-	3.54	-	-	-	1,603	-	-	100	5,164	-	-	5,164
1986	933	1,084	1.89	-	1.89	-	-	-	1,012	-	-	100	1,760	-	-	1,760
Deseret Generation & Tran Coop																
1986	-	-	-	-	-	-	13,941	233	-	98	2	-	28,271	27,378	893	-
Detroit City of																
1982	-	-	-	-	-	-	-	1,939	-	-	100	-	8,115	-	8,115	-
1983	-	-	-	-	-	-	-	2,096	-	-	100	-	9,390	-	9,390	-
1984	1,648	1,016	4.36	-	4.36	-	-	1,087	1,674	-	39	61	11,956	-	4,774	7,181
1985	1,746	1,017	4.32	-	4.32	-	-	1,296	1,776	-	42	58	13,565	-	6,015	7,550
1986	1,800	1,012	4.08	-	4.08	-	-	2,153	1,822	-	54	46	14,094	-	6,754	7,340
Detroit Edison Co																
1982	[3] 3,109	367	.14	3.11	1.45	44.0	290,697	9,155	1,142	97	3	0	581,735	527,001	50,237	4,497
1983	[3] 6,443	213	.83	5.45	.93	2.2	323,985	3,844	1,373	98	1	0	618,912	591,015	21,874	6,023
1984	[3] 3,510	393	1.29	4.08	1.91	22.2	345,846	6,645	1,379	98	2	0	681,611	640,141	34,775	6,696
1985	[3] 5,059	267	.44	2.12	1.25	47.9	330,836	3,632	1,352	99	1	0	648,040	621,440	20,298	6,302
1986	[3] 8,185	196	.56	5.41	.62	1.2	398,227	5,303	1,605	98	1	0	732,582	712,707	14,770	5,105
Dover City of																
1982	540	1,032	4.60	4.33	4.34	95.6	-	4,205	558	-	88	12	20,056	-	17,709	2,347
1983	433	1,036	-	4.72	4.72	100.0	-	5,475	449	-	92	8	25,263	-	23,220	2,044
1984	1,402	1,036	4.62	4.56	4.56	91.9	-	4,674	1,452	-	76	24	27,820	-	21,420	6,400

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Dover City of																		
1985	-	-	-	-	-	-	-	-	436	100.0	150,473	2.4	26.21	-	26.21	-	-	-
1986	-	-	-	-	-	-	-	-	676	100.0	151,122	2.4	15.05	-	15.05	5	140,769	20.18
Duke Power Co																		
1982	15,957	87.9	12,226	11.3	1.0	46.21	37.18	45.12	-	-	-	-	-	-	-	64	138,172	40.79
1983	10,913	99.1	12,455	10.2	.9	47.41	35.80	47.30	-	-	-	-	-	-	-	60	138,172	34.15
1984	8,941	100.0	12,432	10.4	.9	49.17	-	49.17	-	-	-	-	-	-	-	112	137,321	33.77
1985	10,819	83.9	12,458	10.3	.9	50.59	36.71	48.36	-	-	-	-	-	-	-	95	138,703	33.05
1986	9,768	84.2	12,539	10.1	1.0	48.28	34.65	46.13	-	-	-	-	-	-	-	100	138,634	20.56
Duquesne Light Co																		
1982	3,046	100.0	12,122	12.8	1.9	37.54	-	37.54	-	-	-	-	-	-	-	62	136,563	41.63
1983	2,170	100.0	12,214	12.4	1.7	41.63	-	41.63	-	-	-	-	-	-	-	69	136,819	37.83
1984	2,393	96.9	12,263	12.0	1.7	40.77	42.53	40.82	-	-	-	-	-	-	-	59	136,128	37.02
1985	2,226	100.0	12,110	13.2	1.6	42.43	-	42.43	-	-	-	-	-	-	-	85	135,605	33.62
1986	2,217	97.4	12,180	12.9	1.6	42.21	29.86	41.90	-	-	-	-	-	-	-	67	136,311	26.38
East Kentucky Rural Elec Coop																		
1982	1,900	85.7	11,984	10.8	1.2	38.32	25.57	36.50	-	-	-	-	-	-	-	-	-	-
1983	1,681	81.4	12,072	10.5	1.2	40.60	24.65	37.63	-	-	-	-	-	-	-	34	138,600	34.83
1984	3,145	33.8	11,866	11.2	1.3	42.26	29.53	33.83	-	-	-	-	-	-	-	10	138,600	35.79
1985	2,442	45.4	11,728	11.4	1.5	29.81	29.17	29.46	-	-	-	-	-	-	-	11	138,600	33.63
1986	3,026	36.6	11,815	11.7	1.3	26.27	27.33	26.94	-	-	-	-	-	-	-	10	138,600	21.47
Eastern Iowa Light&Power Coop																		
1982	148	100.0	11,171	10.0	2.6	32.37	-	32.37	-	-	-	-	-	-	-	-	-	-
1983	108	56.3	11,141	9.9	2.9	35.98	27.01	32.06	-	-	-	-	-	-	-	-	-	-
1984	96	100.0	11,477	10.7	2.9	28.95	-	28.95	-	-	-	-	-	-	-	-	-	-
1985	130	58.1	11,370	11.6	2.9	30.07	23.86	27.47	-	-	-	-	-	-	-	-	-	-
1986	124	61.3	11,464	10.3	2.6	29.73	22.45	26.92	-	-	-	-	-	-	-	-	-	-
El Paso Electric Co																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Energy Inc																		
1982	2,241	94.6	11,866	8.8	1.9	39.61	38.24	39.54	-	-	-	-	-	-	-	16	137,888	42.70
1983	2,170	89.1	11,770	8.9	1.9	39.51	32.95	38.79	-	-	-	-	-	-	-	15	138,958	37.37
1984	3,268	88.7	11,623	9.1	2.0	39.43	35.13	38.94	-	-	-	-	-	-	-	12	138,402	37.06
1985	2,613	94.0	11,679	9.2	2.0	40.14	37.78	40.00	-	-	-	-	-	-	-	7	137,965	34.17
1986	2,306	100.0	11,682	9.1	2.0	41.18	43.13	41.18	-	-	-	-	-	-	-	7	138,612	23.23
Empire District Electric Co																		
1982	[1] 748	72.6	11,084	20.4	5.1	23.72	33.49	26.40	-	-	-	-	-	-	-	-	-	-
1983	833	61.5	11,048	19.8	4.8	21.85	31.74	25.66	-	-	-	-	-	-	-	22	144,146	35.55
1984	948	54.4	11,228	19.6	5.0	25.27	30.27	27.55	-	-	-	-	-	-	-	2	138,095	34.08
1985	822	60.2	11,033	20.4	4.8	23.50	31.80	26.80	-	-	-	-	-	-	-	8	142,365	33.85
1986	832	52.9	11,203	18.0	4.6	25.38	31.30	28.17	-	-	-	-	-	-	-	13	143,066	15.58
Florida Power & Light Co																		
1982	-	-	-	-	-	-	-	-	31,801	92.6	150,009	1.6	27.41	25.17	27.24	-	-	-
1983	-	-	-	-	-	-	-	-	33,565	87.2	150,464	1.3	27.23	28.00	27.33	-	-	-
1984	-	-	-	-	-	-	-	-	21,176	92.8	150,597	1.0	29.56	29.66	29.57	-	-	-
1985	-	-	-	-	-	-	-	-	11,449	78.0	151,233	.8	24.91	24.50	24.82	-	-	-
1986	-	-	-	-	-	-	-	-	25,378	67.3	151,078	.9	13.53	14.48	13.84	50	138,600	14.37
Florida Power Corp																		
1982	[1] 2,808	100.0	11,583	9.4	1.3	58.31	-	58.31	9,780	98.5	150,856	2.2	26.13	24.81	26.11	87	135,714	43.26
1983	3,447	100.0	12,365	9.6	1.0	64.28	-	64.28	7,440	100.0	150,806	2.1	25.62	-	25.62	123	138,510	37.96
1984	[1] 4,063	100.0	12,424	10.0	.9	62.06	17.99	62.05	4,396	100.0	150,632	2.0	28.09	-	28.09	162	137,961	35.05
1985	4,763	94.3	12,596	9.4	.8	57.98	46.01	57.30	5,595	100.0	150,807	1.2	24.62	-	24.62	171	138,085	33.66
1986	5,660	77.1	12,623	8.8	.8	48.84	43.37	47.59	9,334	100.0	150,764	1.4	13.70	-	13.70	176	138,755	21.57
Fort Pierre City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	138,300	35.57
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	138,441	22.64

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Dover City of																
1985	850	1,018	-	4.03	4.03	100.0	-	2,758	865	-	76	24	14,859	-	11,436	3,422
1986	283	1,036	3.61	3.07	3.14	86.8	-	4,321	294	-	94	6	11,164	-	10,274	890
Duke Power Co																
1982	-	-	-	-	-	-	390,202	373	-	100	0	-	722,542	719,919	2,623	-
1983	60	1,035	4.93	-	4.93	-	271,854	347	62	100	0	0	518,568	516,230	2,042	296
1984	68	1,035	4.80	-	4.80	-	222,307	646	70	100	0	0	443,709	439,600	3,782	326
1985	87	1,038	4.76	-	4.76	-	269,577	553	90	100	0	0	526,748	523,193	3,140	414
1986	43	1,036	3.67	-	3.67	-	244,973	582	45	100	0	0	452,854	450,639	2,056	158
Duquesne Light Co																
1982	-	-	-	-	-	-	73,849	354	-	100	0	-	116,909	114,340	2,569	-
1983	-	-	-	-	-	-	53,010	397	-	99	1	-	92,946	90,336	2,610	-
1984	-	-	-	-	-	-	58,689	337	-	99	1	-	99,869	97,685	2,184	-
1985	-	-	-	-	-	-	53,914	484	-	99	1	-	97,297	94,439	2,858	-
1986	159	1,036	3.09	-	3.09	-	54,000	384	165	99	1	0	95,131	92,872	1,767	491
East Kentucky Rural Elec Coop																
1982	-	-	-	-	-	-	45,539	-	-	100	-	-	69,342	69,342	-	-
1983	-	-	-	-	-	-	40,582	198	-	100	0	-	64,438	63,254	1,184	-
1984	-	-	-	-	-	-	74,638	58	-	100	0	-	106,743	106,389	354	-
1985	-	-	-	-	-	-	57,285	64	-	100	0	-	72,320	71,950	370	-
1986	-	-	-	-	-	-	71,509	56	-	100	0	-	81,744	81,539	205	-
Eastern Iowa Light&Power Coop																
1982	12	1,036	3.58	-	3.58	-	3,315	-	12	100	-	0	4,846	4,804	-	42
1983	7	1,036	4.08	4.49	4.10	3.0	2,398	-	7	100	-	0	3,479	3,450	-	30
1984	13	1,043	3.79	4.51	3.93	19.8	2,192	-	13	99	-	1	2,814	2,765	-	49
1985	9	1,030	3.92	4.47	4.00	14.3	2,947	-	9	100	-	0	3,594	3,560	-	34
1986	10	1,026	3.67	4.05	3.78	28.1	2,850	-	10	100	-	0	3,383	3,346	-	37
El Paso Electric Co																
1982	17,458	1,031	3.87	3.71	3.80	43.0	-	-	17,993	-	-	100	66,292	-	-	66,292
1983	10,121	1,028	4.35	3.77	3.91	77.0	-	-	10,409	-	-	100	39,548	-	-	39,548
1984	15,019	1,032	4.14	3.60	3.78	67.5	-	-	15,506	-	-	100	56,714	-	-	56,714
1985	13,066	1,038	3.81	3.37	3.42	88.7	-	-	13,564	-	-	100	44,670	-	-	44,670
1986	15,458	1,031	2.11	2.26	2.25	88.4	-	-	15,943	-	-	100	34,709	-	-	34,709
Electric Energy Inc																
1982	-	-	-	-	-	-	53,193	92	-	100	0	-	89,298	88,619	679	-
1983	-	-	-	-	-	-	51,090	90	-	100	0	-	84,769	84,193	576	-
1984	-	-	-	-	-	-	75,973	72	-	100	0	-	127,725	127,265	460	-
1985	-	-	-	-	-	-	61,026	40	-	100	0	-	104,752	104,516	236	-
1986	-	-	-	-	-	-	53,887	43	-	100	0	-	95,149	94,977	172	-
Empire District Electric Co																
1982	38	1,028	3.40	-	3.40	-	16,584	-	39	100	-	0	19,876	19,748	-	128
1983	399	1,021	3.41	-	3.41	-	18,396	134	408	97	1	2	23,509	21,361	785	1,363
1984	89	1,027	3.40	-	3.40	-	21,277	12	91	100	0	0	26,475	26,103	71	301
1985	202	1,017	2.79	-	2.79	-	18,134	48	206	99	0	1	22,862	22,028	270	564
1986	177	1,017	2.45	-	2.45	-	18,652	80	180	99	0	1	24,090	23,450	207	433
Florida Power & Light Co																
1982	108,666	1,000	-	1.61	1.61	100.0	-	200,359	108,666	-	65	35	1,041,452	-	866,293	175,159
1983	97,990	1,000	-	2.19	2.19	100.0	-	212,114	97,990	-	68	32	1,132,158	-	917,338	214,819
1984	107,040	1,000	-	3.32	3.32	100.0	-	133,940	107,040	-	56	44	981,904	-	626,105	355,799
1985	95,139	1,000	-	3.25	3.25	100.0	-	72,722	95,139	-	43	57	593,467	-	284,140	309,327
1986	98,520	1,000	-	2.01	2.01	100.0	-	161,321	98,520	-	62	38	549,631	-	351,946	197,685
Florida Power Corp																
1982	10,773	1,030	4.09	3.87	4.05	19.2	65,056	65,784	11,099	46	46	8	481,002	163,752	273,606	43,644
1983	6,588	1,024	3.94	3.87	3.88	84.4	85,250	52,056	6,749	59	36	5	460,237	221,571	213,113	25,553
1984	5,828	1,026	4.08	4.16	4.11	38.5	100,947	32,369	5,980	72	23	4	421,119	252,092	145,075	23,953
1985	7,950	1,027	3.65	-	3.65	-	119,997	39,606	8,162	72	24	5	457,511	272,954	155,577	28,980
1986	1,479	1,022	2.82	-	2.82	-	142,894	60,131	1,511	70	29	1	405,156	269,351	131,629	4,175
Fort Pierre City of																
1982	2,794	1,034	2.91	-	2.91	-	-	-	2,891	-	-	100	8,141	-	-	8,141
1983	3,119	1,025	3.03	-	3.03	-	-	-	3,196	-	-	100	9,455	-	-	9,455
1984	2,821	1,026	3.17	-	3.17	-	-	1	2,895	-	0	100	8,942	-	6	8,936
1985	1,582	1,028	3.18	-	3.18	-	-	-	1,626	-	-	100	5,024	-	-	5,024
1986	914	1,022	2.19	-	2.19	-	-	3	935	-	0	100	2,012	-	14	1,999

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Fremont City of																		
1982	172	36.6	10,349	10.2	0.5	42.31	41.85	42.02	-	-	-	-	-	-	-	-	-	-
1983	39	6.4	9,712	8.7	.5	43.94	32.20	32.96	-	-	-	-	-	-	-	-	-	-
1984	162	65.1	10,987	7.3	.4	45.20	28.23	39.27	-	-	-	-	-	-	-	-	-	-
1985	137	67.4	11,330	7.4	.5	46.40	28.87	40.69	-	-	-	-	-	-	-	-	-	-
1986	121	84.0	11,792	7.2	.6	44.51	31.61	42.44	-	-	-	-	-	-	-	-	-	-
Gainesville City of																		
1982	532	76.0	12,743	7.7	.7	64.59	48.46	60.72	41	100.0	155,871	1.5	25.86	-	25.86	6	138,954	40.51
1983	647	18.5	12,861	7.3	.7	63.00	48.61	51.28	2	100.0	154,133	1.0	30.47	-	30.47	10	140,229	36.21
1984	548	-	12,916	6.6	.7	-	49.99	49.99	-	-	-	-	-	-	-	7	139,777	35.21
1985	574	3.0	13,161	6.2	.7	55.78	50.01	50.18	-	-	-	-	-	-	-	10	140,444	34.59
1986	510	-	13,238	6.1	.8	-	45.65	45.65	8	-	156,393	.3	-	17.77	17.77	1	140,909	28.30
Garland City of																		
1982	-	-	-	-	-	-	-	-	[2] 74	100.0	146,226	.6	32.74	-	32.74	-	-	-
1983	-	-	-	-	-	-	-	-	[2] 75	100.0	143,653	.0	32.28	-	32.28	-	-	-
1984	-	-	-	-	-	-	-	-	[2] 19	100.0	145,600	.0	31.61	-	31.61	-	-	-
1985	-	-	-	-	-	-	-	-	[2] 83	100.0	147,106	.0	31.62	-	31.62	-	-	-
1986	-	-	-	-	-	-	-	-	[2] 10	100.0	149,953	.0	28.34	-	28.34	-	-	-
Georgia Power Co																		
1982	20,406	98.6	11,970	10.0	2.0	44.47	46.03	44.49	-	-	-	-	-	-	-	196	138,000	42.08
1983	21,062	95.0	12,025	9.9	2.0	46.02	40.52	45.74	20	-	147,000	2.8	-	27.10	27.10	-	-	-
1984	27,582	78.7	12,097	10.1	1.8	47.67	42.93	46.66	-	-	-	-	-	-	-	112	138,000	33.66
1985	25,485	94.6	12,096	10.0	1.8	45.84	39.87	45.52	30	-	147,000	2.8	-	21.28	21.28	478	138,000	32.69
1986	26,471	92.6	12,120	9.8	1.8	44.63	35.57	43.96	177	-	149,075	.3	-	10.94	10.94	166	138,000	20.01
Glendale City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	58	-	148,511	.2	-	16.17	16.17	-	-	-
Grand Haven City of																		
1983	120	75.2	11,013	10.8	2.9	39.45	37.37	38.94	-	-	-	-	-	-	-	-	-	-
1984	161	100.0	10,996	11.5	2.6	41.24	-	41.24	-	-	-	-	-	-	-	-	-	-
1985	177	55.5	11,176	10.3	2.4	41.81	37.01	39.67	-	-	-	-	-	-	-	-	-	-
1986	105	48.1	11,103	10.4	2.7	39.19	33.75	36.37	-	-	-	-	-	-	-	-	-	-
Grand Island City of																		
1982	51	100.0	8,034	7.1	.4	30.50	-	30.50	-	-	-	-	-	-	-	-	-	-
1983	198	100.0	8,106	6.3	.4	28.19	-	28.19	-	-	-	-	-	-	-	-	-	-
1984	195	100.0	8,120	5.8	.4	29.23	-	29.23	-	-	-	-	-	-	-	-	-	-
1985	216	100.0	8,105	5.9	.4	29.36	-	29.36	-	-	-	-	-	-	-	-	-	-
1986	208	100.0	8,116	5.7	.4	29.72	-	29.72	-	-	-	-	-	-	-	1	140,476	22.16
Grand River Dam Authority																		
1982	1,680	100.0	8,208	5.4	.4	28.20	-	28.20	-	-	-	-	-	-	-	48	137,406	38.40
1983	1,522	100.0	8,214	5.6	.4	28.83	-	28.83	-	-	-	-	-	-	-	34	137,861	33.46
1984	2,123	99.0	8,265	5.4	.6	25.15	31.41	25.22	-	-	-	-	-	-	-	28	136,926	33.82
1985	2,279	79.4	8,239	5.2	.3	23.54	21.27	23.07	-	-	-	-	-	-	-	40	136,341	32.47
1986	2,583	98.1	8,400	5.1	.4	22.98	30.19	23.12	-	-	-	-	-	-	-	45	137,828	19.29
Greenville City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	138,000	12.59
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gulf Power Co																		
1982	2,412	94.4	11,997	10.9	2.1	50.18	44.41	49.86	-	-	-	-	-	-	-	-	-	-
1983	2,470	100.0	12,092	10.5	2.0	52.02	-	52.02	-	-	-	-	-	-	-	23	137,000	34.04
1984	2,649	99.9	12,075	10.3	2.3	53.57	6.58	53.53	-	-	-	-	-	-	-	16	137,000	34.65
1985	2,977	99.0	12,027	10.6	2.2	54.36	37.38	54.18	-	-	-	-	-	-	-	22	137,000	32.42
1986	3,092	79.3	12,012	10.5	2.1	52.10	33.16	48.19	-	-	-	-	-	-	-	16	137,000	20.48
Gulf States Utilities Co																		
1982	862	100.0	8,605	6.3	.5	37.02	-	37.02	291	100.0	150,059	.7	28.63	-	28.63	-	-	-
1983	1,203	100.0	8,877	5.1	.4	38.44	-	38.44	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Fremont City of																
1982	54	1,000	3.62	3.97	3.96	97.2	3,558	-	54	99	-	1	7,434	7,222	-	212
1983	58	1,000	4.13	4.53	4.52	97.2	758	-	58	93	-	7	1,546	1,285	-	260
1984	60	998	4.16	4.65	4.64	97.8	3,562	-	60	98	-	2	6,645	6,366	-	279
1985	11	998	4.61	4.41	4.48	64.0	3,098	-	11	100	-	0	5,614	5,563	-	51
1986	154	998	-	2.35	2.35	100.0	2,854	-	154	95	-	5	5,498	5,135	-	362
Gainesville City of																
1982	7,401	1,032	2.95	-	2.95	-	13,548	302	7,641	63	1	36	55,411	32,277	1,298	21,837
1983	4,970	1,025	3.03	-	3.03	-	16,647	70	5,092	76	0	23	48,651	33,187	419	15,044
1984	2,357	1,027	3.19	-	3.19	-	14,158	40	2,419	85	0	15	35,147	27,397	237	7,513
1985	3,415	1,028	3.19	-	3.19	-	15,099	60	3,510	81	0	19	40,026	28,786	352	10,888
1986	3,505	1,022	2.26	-	2.26	-	13,494	63	3,580	79	0	21	31,376	23,265	190	7,921
Garland City of																
1982	11,777	1,038	4.14	-	4.14	-	-	452	12,228	-	4	96	51,209	-	2,410	48,799
1983	9,374	1,030	4.17	-	4.17	-	-	453	9,655	-	4	96	41,555	-	2,422	39,132
1984	6,235	1,032	3.73	-	3.73	-	-	117	6,433	-	2	98	23,837	-	603	23,234
1985	5,943	1,039	3.36	3.19	3.33	14.0	-	515	6,173	-	8	92	22,454	-	2,637	19,818
1986	7,281	1,041	1.78	-	1.78	-	-	61	7,583	-	1	99	13,237	-	275	12,962
Georgia Power Co																
1982	147	1,029	3.72	-	3.72	-	488,508	1,139	151	100	0	0	916,658	907,843	8,268	547
1983	641	1,026	3.94	-	3.94	-	506,537	122	657	100	0	0	966,504	963,445	537	2,522
1984	93	1,024	4.11	-	4.11	-	667,332	650	96	100	0	0	1,291,061	1,286,901	3,777	384
1985	397	1,026	4.51	4.22	4.24	93.1	616,527	2,957	408	99	0	0	1,177,942	1,159,982	16,276	1,685
1986	5,106	1,024	1.63	3.78	1.77	6.1	641,662	2,075	5,230	99	0	1	1,177,928	1,163,644	5,272	9,013
Glendale City of																
1982	1,651	1,074	5.43	-	5.43	-	-	-	1,772	-	-	100	8,963	-	-	8,963
1983	2,100	1,068	5.36	-	5.36	-	-	-	2,243	-	-	100	11,252	-	-	11,252
1984	1,825	1,075	5.29	-	5.29	-	-	-	1,961	-	-	100	9,660	-	-	9,660
1985	1,479	1,081	4.62	-	4.62	-	-	-	1,599	-	-	100	6,833	-	-	6,833
1986	1,682	1,060	2.65	-	2.65	-	-	364	1,784	-	17	83	5,399	-	944	4,455
Grand Haven City of																
1983	-	-	-	-	-	-	2,641	-	-	100	-	-	4,668	4,668	-	-
1984	-	-	-	-	-	-	3,552	-	-	100	-	-	6,660	6,660	-	-
1985	-	-	-	-	-	-	3,952	-	-	100	-	-	7,014	7,014	-	-
1986	-	-	-	-	-	-	2,323	-	-	100	-	-	3,804	3,804	-	-
Grand Island City of																
1982	212	941	2.65	-	2.65	-	823	-	199	81	-	19	2,123	1,562	-	561
1983	568	943	2.78	-	2.78	-	3,214	-	536	86	-	14	7,169	5,589	-	1,580
1984	206	940	2.90	-	2.90	-	3,165	-	194	94	-	6	6,296	5,698	-	598
1985	1	941	3.20	-	3.20	-	3,500	-	1	100	-	0	6,344	6,340	-	5
1986	10	940	3.27	-	3.27	-	3,378	7	10	100	0	0	6,244	6,184	26	34
Grand River Dam Authority																
1982	-	-	-	-	-	-	27,571	275	-	99	1	-	49,198	47,368	1,830	-
1983	-	-	-	-	-	-	25,011	198	-	99	1	-	45,042	43,896	1,147	-
1984	-	-	-	-	-	-	35,089	162	-	100	0	-	54,482	53,527	955	-
1985	51	1,027	3.64	-	3.64	-	37,551	232	52	99	1	0	54,075	52,576	1,314	185
1986	30	1,025	5.76	-	5.76	-	43,398	260	31	99	1	0	60,755	59,718	866	171
Greenville City of																
1982	825	1,073	4.27	-	4.27	-	-	70	886	-	7	93	3,671	-	151	3,520
1983	522	1,061	4.31	-	4.31	-	-	-	554	-	-	100	2,250	-	-	2,250
1984	742	1,015	4.01	-	4.01	-	-	-	753	-	-	100	2,978	-	-	2,978
1985	434	1,040	3.37	-	3.37	-	-	-	451	-	-	100	1,463	-	-	1,463
1986	895	1,078	1.80	-	1.80	-	-	-	965	-	-	100	1,608	-	-	1,608
Gulf Power Co																
1982	409	1,071	-	1.48	1.48	100.0	57,873	-	438	99	-	1	120,865	120,262	-	604
1983	1,073	1,000	4.60	.87	2.22	63.6	59,735	131	1,073	98	0	2	131,659	128,496	776	2,387
1984	338	1,000	3.81	1.14	2.13	62.9	63,967	93	338	99	0	1	143,059	141,781	558	720
1985	517	1,000	3.78	1.06	2.00	65.4	71,598	128	517	99	0	1	163,039	161,283	723	1,034
1986	944	1,000	3.37	.97	2.71	27.7	74,293	91	944	99	0	1	151,892	149,013	326	2,554
Gulf States Utilities Co																
1982	247,175	1,036	-	1.71	1.71	100.0	14,835	1,834	256,049	5	1	94	462,050	31,909	8,331	421,810
1983	233,617	1,039	-	1.58	1.58	100.0	21,359	-	242,794	8	-	92	415,724	46,245		369,479

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Gulf States Utilities Co																		
1984	1,952	100.0	8,668	5.9	0.4	37.94	-	37.94	-	-	-	-	-	-	-	11	140,602	36.57
1985	2,093	100.0	8,630	6.6	.5	38.96	-	38.96	-	-	-	-	-	-	-	11	141,591	31.24
1986	2,303	100.0	8,586	6.5	.5	32.97	-	32.97	139	-	149,290	0.5	-	9.49	9.49	1	141,446	21.92
Hamilton City of																		
1982	136	100.0	12,389	9.0	.7	45.05	-	45.05	-	-	-	-	-	-	-	29	137,000	42.95
1983	113	100.0	12,424	9.6	.7	37.77	-	37.77	-	-	-	-	-	-	-	0	137,000	35.91
1984	126	100.0	12,194	10.2	.7	43.94	-	43.94	-	-	-	-	-	-	-	-	-	-
1985	108	100.0	12,537	9.2	.7	41.13	-	41.13	-	-	-	-	-	-	-	1	137,000	26.88
1986	113	100.0	12,441	9.0	.7	37.19	-	37.19	-	-	-	-	-	-	-	1	137,000	20.12
Hartford Electric Light Co																		
1982	-	-	-	-	-	-	-	-	2,577	100.0	148,396	.5	32.63	-	32.63	2	138,544	41.77
1983	-	-	-	-	-	-	-	-	3,323	100.0	148,685	.5	30.35	-	30.35	2	138,629	35.53
1984	-	-	-	-	-	-	-	-	4,108	95.1	148,401	.5	31.05	30.15	31.01	3	137,936	36.58
1985	-	-	-	-	-	-	-	-	3,693	95.6	148,529	.5	27.76	26.86	27.72	3	137,803	34.64
Hastings City of																		
1982	117	100.0	7,964	6.4	.4	26.71	-	26.71	-	-	-	-	-	-	-	-	-	-
1983	132	100.0	8,011	5.6	.4	28.50	-	28.50	-	-	-	-	-	-	-	-	-	-
1984	127	100.0	8,165	5.7	.4	29.29	-	29.29	-	-	-	-	-	-	-	-	-	-
1985	132	100.0	8,104	5.9	.3	29.37	-	29.37	-	-	-	-	-	-	-	-	-	-
1986	134	100.0	8,159	5.8	.4	29.40	-	29.40	-	-	-	-	-	-	-	-	-	-
Hawaiian Electric Co Inc																		
1982	-	-	-	-	-	-	-	-	8,599	100.0	149,925	.5	42.71	-	42.71	-	-	-
1983	-	-	-	-	-	-	-	-	8,851	100.0	149,516	.5	34.73	-	34.73	16	138,845	40.81
1984	-	-	-	-	-	-	-	-	9,162	98.3	150,054	.4	34.19	30.15	34.12	39	137,421	36.85
1985	-	-	-	-	-	-	-	-	9,162	100.0	149,188	.4	30.42	-	30.42	27	137,725	37.03
1986	-	-	-	-	-	-	-	-	9,387	94.8	149,059	.4	18.08	15.00	17.92	28	136,817	26.94
Henderson City of																		
1983	152	100.0	11,001	10.3	2.5	31.62	-	31.62	-	-	-	-	-	-	-	-	-	-
1984	144	100.0	11,197	10.5	2.6	33.11	-	33.11	-	-	-	-	-	-	-	-	-	-
1985	132	100.0	11,152	10.9	2.5	33.37	-	33.37	-	-	-	-	-	-	-	-	-	-
1986	121	100.0	11,243	10.3	2.4	34.02	-	34.02	-	-	-	-	-	-	-	-	-	-
Holland City of																		
1982	95	100.0	12,758	7.6	1.4	51.64	-	51.64	-	-	-	-	-	-	-	-	-	-
1983	135	-	12,709	8.9	1.2	-	46.92	46.92	-	-	-	-	-	-	-	-	-	-
1984	124	-	13,087	7.3	.8	-	52.84	52.84	-	-	-	-	-	-	-	-	-	-
1985	166	-	13,256	6.8	.9	-	48.64	48.64	-	-	-	-	-	-	-	-	-	-
1986	183	-	13,161	6.9	.9	-	46.59	46.59	-	-	-	-	-	-	-	-	-	-
Holyoke Water Power Co																		
1982	387	100.0	13,189	7.8	1.3	62.90	-	62.90	-	-	-	-	-	-	-	5	140,109	41.10
1983	384	4.9	13,113	8.0	1.4	56.66	55.51	55.57	-	-	-	-	-	-	-	4	140,489	36.53
1984	440	-	13,077	7.6	1.3	-	56.40	56.40	-	-	-	-	-	-	-	4	136,666	36.05
1985	340	-	13,170	7.8	1.3	-	54.80	54.80	-	-	-	-	-	-	-	4	137,769	34.75
1986	374	-	13,085	7.5	1.3	-	50.66	50.66	-	-	-	-	-	-	-	4	137,731	17.98
Hoosier Energy R E C Inc																		
1982	1,185	100.0	10,989	10.7	3.3	30.81	-	30.81	-	-	-	-	-	-	-	-	-	-
1983	1,773	100.0	10,974	10.8	2.8	30.15	-	30.15	-	-	-	-	-	-	-	22	137,760	34.84
1984	3,150	77.5	10,855	11.5	2.8	30.81	26.82	29.91	-	-	-	-	-	-	-	17	133,419	35.25
1985	2,726	85.4	10,877	10.7	3.1	36.35	22.23	34.28	-	-	-	-	-	-	-	31	137,115	32.30
1986	2,357	90.4	10,893	9.8	3.2	36.65	21.51	35.19	-	-	-	-	-	-	-	28	138,253	19.59
Houston Lighting & Power Co																		
1982	6,287	100.0	8,471	4.8	.4	46.11	-	46.11	351	-	147,317	.7	-	19.32	19.32	159	138,857	13.10
1983	9,139	100.0	8,503	5.3	.4	46.85	-	46.85	90	-	147,245	.7	-	20.06	20.06	139	140,919	16.61
1984	9,476	100.0	8,447	5.4	.4	46.08	-	46.08	30	-	146,801	.7	-	20.05	20.05	0	138,551	16.61
1985	10,151	100.0	8,385	5.7	.4	41.15	-	41.15	[2] 81	-	140,838	.5	-	29.85	29.85	51	137,505	32.38
1986	12,845	100.0	7,868	9.4	.7	36.45	-	36.45	165	-	149,163	.1	-	9.74	9.74	-	-	-
Illinois Power Co																		
1982	6,837	90.2	10,854	10.5	2.5	34.84	31.19	34.48	56	100.0	150,096	.9	28.67	-	28.67	22	138,000	43.06
1983	[1] 7,090	85.5	10,727	10.6	2.6	31.24	33.37	31.55	51	100.0	151,515	.9	30.19	-	30.19	101	138,000	36.76
1984	[1] 8,094	82.3	10,795	10.6	2.5	34.03	34.49	34.11	108	100.0	153,166	1.0	37.60	-	37.60	45	138,000	36.69
1985	6,945	88.8	10,942	10.1	2.5	32.87	35.63	33.18	69	100.0	149,914	.9	27.71	-	27.71	37	138,000	34.63
1986	[1] 7,670	87.2	11,106	10.0	2.4	32.30	31.70	32.22	125	100.0	150,000	.9	12.28	-	12.28	59	138,000	20.70

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Gulf States Utilities Co																
1984	230,685	1,042	-	1.50	1.50	100.0	33,835	65	240,375	12	0	88	420,531	74,057	405	346,069
1985	145,958	1,049	2.53	3.14	3.11	95.4	36,126	68	153,181	19	0	81	535,944	81,552	355	454,037
1986	163,475	1,047	1.72	2.00	1.96	85.8	39,548	874	171,238	19	0	81	397,203	75,921	1,329	319,953
Hamilton City of																
1982	265	1,000	2.84	3.75	3.74	98.8	3,358	168	265	89	4	7	8,350	6,105	1,255	989
1983	107	1,000	-	4.15	4.15	100.0	2,819	2	107	96	0	4	4,742	4,285	13	443
1984	41	1,000	-	4.43	4.43	100.0	3,070	-	41	99	-	1	5,712	5,531	-	180
1985	34	1,000	-	4.78	4.78	100.0	2,702	3	34	99	0	1	4,608	4,432	14	161
1986	20	1,000	-	4.41	4.41	100.0	2,805	4	20	99	0	1	4,296	4,192	14	89
Hartford Electric Light Co																
1982	-	-	-	-	-	-	-	16,079	-	-	100	-	84,203	-	84,203	-
1983	-	-	-	-	-	-	-	20,762	-	-	100	-	100,914	-	100,914	-
1984	-	-	-	-	-	-	-	25,622	-	-	100	-	127,482	-	127,482	-
1985	-	-	-	-	-	-	-	23,058	-	-	100	-	102,472	-	102,472	-
Hastings City of																
1982	-	-	-	-	-	-	1,860	-	-	100	-	-	3,120	3,120	-	-
1983	-	-	-	-	-	-	2,108	-	-	100	-	-	3,751	3,751	-	-
1984	21	1,026	3.23	-	3.23	-	2,082	-	22	99	-	1	3,803	3,734	-	69
1985	-	-	-	-	-	-	2,139	-	-	100	-	-	3,877	3,877	-	-
1986	-	-	-	-	-	-	2,192	-	-	100	-	-	3,948	3,948	-	-
Hawaiian Electric Co Inc																
1982	-	-	-	-	-	-	-	54,149	-	-	100	-	367,321	-	367,321	-
1983	-	-	-	-	-	-	-	55,674	-	-	100	-	308,041	-	308,041	-
1984	-	-	-	-	-	-	-	57,968	-	-	100	-	314,053	-	314,053	-
1985	-	-	-	-	-	-	-	57,565	-	-	100	-	279,721	-	279,721	-
1986	-	-	-	-	-	-	-	58,931	-	-	100	-	168,957	-	168,957	-
Henderson City of																
1983	-	-	-	-	-	-	3,344	-	-	100	-	-	4,806	4,806	-	-
1984	-	-	-	-	-	-	3,225	-	-	100	-	-	4,768	4,768	-	-
1985	-	-	-	-	-	-	2,944	-	-	100	-	-	4,405	4,405	-	-
1986	-	-	-	-	-	-	2,721	-	-	100	-	-	4,117	4,117	-	-
Holland City of																
1982	-	-	-	-	-	-	2,435	-	-	100	-	-	4,929	4,929	-	-
1983	-	-	-	-	-	-	3,421	-	-	100	-	-	6,316	6,316	-	-
1984	-	-	-	-	-	-	3,244	-	-	100	-	-	6,549	6,549	-	-
1985	-	-	-	-	-	-	4,391	-	-	100	-	-	8,057	8,057	-	-
1986	-	-	-	-	-	-	4,828	-	-	100	-	-	8,546	8,546	-	-
Holyoke Water Power Co																
1982	-	-	-	-	-	-	10,222	30	-	100	0	-	24,583	24,374	210	-
1983	-	-	-	-	-	-	10,060	23	-	100	0	-	21,458	21,316	142	-
1984	-	-	-	-	-	-	11,513	24	-	100	0	-	24,977	24,829	148	-
1985	-	-	-	-	-	-	8,958	22	-	100	0	-	18,770	18,638	132	-
1986	-	-	-	-	-	-	9,780	23	-	100	0	-	19,000	18,930	70	-
Hoosier Energy R E C Inc																
1982	-	-	-	-	-	-	26,048	-	-	100	-	-	36,519	36,519	-	-
1983	-	-	-	-	-	-	38,926	128	-	100	0	-	54,235	53,466	769	-
1984	-	-	-	-	-	-	68,385	98	-	100	0	-	94,832	94,216	615	-
1985	-	-	-	-	-	-	59,304	177	-	100	0	-	94,443	93,453	990	-
1986	-	-	-	-	-	-	51,358	163	-	100	0	-	83,515	82,965	550	-
Houston Lighting & Power Co																
1982	378,460	1,044	4.40	3.86	3.86	99.9	106,519	3,103	395,127	21	1	78	1,759,980	289,911	8,874	1,461,195
1983	361,403	1,033	-	3.52	3.52	100.0	155,419	1,377	373,480	29	0	70	1,706,089	428,147	4,108	1,273,835
1984	362,006	1,035	3.55	3.34	3.34	99.2	160,089	184	374,536	30	0	70	1,646,182	436,670	597	1,208,916
1985	333,957	1,038	2.65	3.06	3.03	91.8	170,232	772	346,529	33	0	67	1,432,084	417,720	4,060	1,010,304
1986	263,587	1,035	1.70	1.87	1.84	80.7	202,135	1,036	272,935	42	0	57	953,711	468,144	1,611	483,956
Illinois Power Co																
1982	180	1,040	4.70	4.44	4.68	6.8	148,423	480	188	100	0	0	239,140	235,751	2,544	845
1983	613	1,036	5.33	4.74	5.26	11.0	152,105	913	636	99	1	0	232,176	223,682	5,267	3,227
1984	909	1,040	4.24	4.26	4.24	8.2	174,732	952	945	99	1	1	285,640	276,093	5,691	3,856
1985	352	1,037	4.53	3.75	4.41	14.9	151,976	648	365	99	0	0	235,177	230,436	3,191	1,550
1986	417	1,040	3.36	2.84	3.29	13.1	170,363	1,127	434	99	1	0	251,249	247,124	2,751	1,374

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Imperial Irrigation District																		
1982	-	-	-	-	-	-	-	-	439	70.8	149,500	1.1	32.07	31.90	32.02	-	-	-
1983	-	-	-	-	-	-	-	-	58	-	149,500	1.4	-	27.82	27.82	-	-	-
1984	-	-	-	-	-	-	-	-	5	-	149,500	1.4	-	27.26	27.26	-	-	-
1985	-	-	-	-	-	-	-	-	18	-	149,500	1.2	-	26.09	26.09	-	-	-
1986	-	-	-	-	-	-	-	-	115	-	149,500	1.2	-	15.32	15.32	-	-	-
Independence City of																		
1982	298	-	11,617	13.5	3.6	-	34.35	34.35	-	-	-	-	-	-	-	6	137,521	43.96
1983	177	-	11,946	11.2	3.5	-	36.26	36.26	-	-	-	-	-	-	-	-	-	-
1984	191	-	12,189	11.0	2.8	-	36.67	36.67	-	-	-	-	-	-	-	-	-	-
1985	211	-	12,007	11.6	2.7	-	38.69	38.69	-	-	-	-	-	-	-	6	137,674	38.48
1986	145	-	12,119	11.0	3.6	-	39.13	39.13	-	-	-	-	-	-	-	2	137,674	34.72
Indiana & Michigan Electric Co																		
1982	2,238	95.0	11,706	10.2	2.7	47.41	30.63	46.57	-	-	-	-	-	-	-	-	-	-
1983	2,420	99.9	11,440	10.8	3.5	36.23	28.62	36.22	-	-	-	-	-	-	-	42	138,992	35.42
1984	3,988	82.7	9,839	8.1	1.9	44.24	28.81	41.56	-	-	-	-	-	-	-	158	137,640	34.76
1985	5,568	61.1	9,247	7.5	1.5	42.60	28.09	36.95	-	-	-	-	-	-	-	138	137,695	32.42
1986	6,373	94.6	9,437	6.8	1.3	35.76	24.90	35.18	-	-	-	-	-	-	-	100	137,951	21.62
Indiana-Kentucky Electric Corp																		
1982	4,008	78.2	11,165	11.2	3.5	29.39	28.93	29.29	-	-	-	-	-	-	-	-	-	-
1983	3,940	99.2	11,459	10.3	3.2	29.39	31.07	29.41	-	-	-	-	-	-	-	6	137,621	37.28
1984	3,946	89.9	11,285	10.6	3.2	28.60	26.94	28.43	-	-	-	-	-	-	-	2	137,621	38.22
1985	4,352	72.8	11,262	10.6	3.3	28.03	25.33	27.30	-	-	-	-	-	-	-	3	137,621	36.13
1986	3,887	75.9	11,374	10.2	3.3	28.01	22.98	26.80	-	-	-	-	-	-	-	2	137,621	24.48
Indianapolis Power & Light Co																		
1982	5,029	97.4	11,028	9.0	2.1	27.38	24.72	27.31	-	-	-	-	-	-	-	57	136,710	40.35
1983	5,275	95.8	11,053	9.2	2.2	29.69	25.06	29.49	-	-	-	-	-	-	-	54	136,157	35.47
1984	5,537	95.5	11,052	8.9	2.0	29.68	25.04	29.47	-	-	-	-	-	-	-	56	136,100	35.08
1985	4,703	100.0	11,096	8.5	2.1	30.62	-	30.62	-	-	-	-	-	-	-	77	135,827	34.84
1986	5,633	96.1	11,200	8.1	2.5	28.82	25.36	28.69	-	-	-	-	-	-	-	40	136,793	24.26
Interstate Power Co																		
1982	1,594	100.0	9,297	7.6	1.3	32.53	-	32.53	16	100.0	150,640	1.8	29.42	-	29.42	7	140,000	39.50
1983	1,430	100.0	9,401	7.8	1.3	34.46	-	34.46	-	-	-	-	-	-	-	11	140,000	34.63
1984	1,502	100.0	9,741	7.2	1.6	36.29	-	36.29	-	-	-	-	-	-	-	11	140,000	34.85
1985	1,415	94.5	9,958	7.4	1.8	36.09	41.52	36.39	-	-	-	-	-	-	-	8	140,000	33.69
1986	1,400	89.3	9,796	7.3	1.7	37.41	28.60	36.46	-	-	-	-	-	-	-	10	140,000	23.46
Iowa Electric Light & Power Co																		
1982	590	100.0	10,531	9.6	2.8	53.24	-	53.24	-	-	-	-	-	-	-	-	-	-
1983	633	100.0	10,635	9.2	2.1	56.32	-	56.32	-	-	-	-	-	-	-	-	-	-
1984	507	100.0	10,446	9.5	2.3	59.10	-	59.10	-	-	-	-	-	-	-	-	-	-
1985	656	83.4	10,993	8.5	2.4	33.04	30.16	32.56	-	-	-	-	-	-	-	8	138,875	32.29
1986	704	97.7	11,308	8.1	2.2	32.01	28.99	31.94	-	-	-	-	-	-	-	14	138,536	19.68
Iowa Power & Light Co																		
1982	2,422	100.0	8,335	4.9	.3	17.97	-	17.97	-	-	-	-	-	-	-	-	-	-
1983	2,512	91.6	8,366	4.9	.4	20.93	18.58	20.74	-	-	-	-	-	-	-	5	136,000	34.63
1984	3,054	70.2	8,397	5.1	.4	19.40	17.76	18.91	-	-	-	-	-	-	-	21	136,000	34.43
1985	2,328	90.2	8,376	5.1	.4	19.78	20.82	19.88	-	-	-	-	-	-	-	5	136,000	33.68
1986	2,171	95.6	8,444	5.6	.3	19.25	13.52	18.99	-	-	-	-	-	-	-	-	-	-
Iowa Public Service Co																		
1982	3,247	98.9	9,115	7.1	.5	30.40	44.41	30.55	-	-	-	-	-	-	-	4	140,000	41.99
1983	2,891	96.2	9,157	7.4	.5	28.93	35.96	29.19	-	-	-	-	-	-	-	-	-	-
1984	3,562	94.4	9,087	7.2	.6	27.27	25.18	27.15	-	-	-	-	-	-	-	31	138,000	33.97
1985	3,643	87.6	8,950	6.7	.5	26.96	22.47	26.40	-	-	-	-	-	-	-	16	138,000	34.53
1986	1,982	100.0	9,449	6.5	.5	27.75	-	27.75	-	-	-	-	-	-	-	22	138,000	19.23
Iowa Southern Utilities Co																		
1982	1,859	99.7	8,899	5.5	.7	25.07	38.73	25.10	-	-	-	-	-	-	-	16	137,881	40.29
1983	2,143	100.0	8,874	5.7	.7	25.87	-	25.87	-	-	-	-	-	-	-	23	137,881	35.47
1984	2,744	82.5	8,763	6.9	.8	24.34	26.82	24.77	-	-	-	-	-	-	-	12	137,881	35.47
1985	2,334	84.0	8,765	6.5	.8	23.48	25.68	23.83	-	-	-	-	-	-	-	5	137,881	35.41
1986	2,311	97.5	8,613	6.3	.7	20.38	22.77	20.44	-	-	-	-	-	-	-	8	137,881	22.51
Iowa-Illinois Gas&Electric Co																		
1982	348	100.0	9,677	9.1	1.9	32.14	-	32.14	-	-	-	-	-	-	-	24	138,502	30.56

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," and predecessor forms.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Imperial Irrigation District																
1982	951	1,044	4.96	-	4.96	-	-	2,757	992	-	74	26	18,777	-	14,062	4,715
1983	3,379	1,032	4.89	-	4.89	-	-	365	3,485	-	9	91	18,149	-	1,619	16,530
1984	2,736	1,035	4.77	-	4.77	-	-	30	2,831	-	1	99	13,175	-	128	13,047
1985	3,913	1,039	4.11	-	4.11	-	-	111	4,064	-	3	97	16,539	-	462	16,077
1986	3,885	1,029	2.43	-	2.43	-	-	725	3,997	-	15	85	11,211	-	1,770	9,441
Independence City of																
1982	69	1,012	3.53	-	3.53	-	6,926	36	70	99	1	1	10,754	10,239	273	243
1983	81	992	3.78	-	3.78	-	4,241	-	80	98	-	2	6,743	6,437	-	306
1984	135	994	3.57	-	3.57	-	4,654	-	134	97	-	3	7,482	7,000	-	482
1985	202	986	2.99	-	2.99	-	5,077	32	199	96	1	4	8,998	8,178	216	604
1986	116	964	2.53	-	2.53	-	3,519	13	112	97	0	3	6,052	5,680	76	295
Indiana & Michigan Electric Co																
1982	-	-	-	-	-	-	52,391	-	-	100	-	-	104,224	104,224	-	-
1983	-	-	-	-	-	-	55,366	243	-	100	0	-	89,125	87,649	1,477	-
1984	-	-	-	-	-	-	78,481	913	-	99	1	-	171,243	165,751	5,492	-
1985	-	-	-	-	-	-	102,975	797	-	99	1	-	210,213	205,742	4,471	-
1986	-	-	-	-	-	-	120,288	582	-	100	0	-	226,359	224,189	2,171	-
Indiana-Kentucky Electric Corp																
1982	-	-	-	-	-	-	89,495	-	-	100	-	-	117,408	117,408	-	-
1983	-	-	-	-	-	-	90,300	35	-	100	0	-	116,090	115,862	228	-
1984	-	-	-	-	-	-	89,060	11	-	100	0	-	112,275	112,203	73	-
1985	-	-	-	-	-	-	98,022	15	-	100	0	-	118,893	118,801	93	-
1986	-	-	-	-	-	-	88,423	11	-	100	0	-	104,215	104,168	46	-
Indianapolis Power & Light Co																
1982	-	-	-	-	-	-	110,916	328	-	100	0	-	139,633	137,330	2,303	-
1983	-	-	-	-	-	-	116,610	311	-	100	0	-	157,515	155,586	1,929	-
1984	-	-	-	-	-	-	122,378	320	-	100	0	-	165,145	163,181	1,964	-
1985	-	-	-	-	-	-	104,372	440	-	100	0	-	146,706	144,020	2,686	-
1986	-	-	-	-	-	-	126,183	232	-	100	0	-	162,579	161,598	981	-
Interstate Power Co																
1982	863	994	3.18	-	3.18	-	29,645	144	858	97	0	3	55,363	51,863	753	2,747
1983	1,096	1,003	3.67	-	3.67	-	26,888	68	1,099	96	0	4	53,703	49,280	398	4,025
1984	927	1,000	3.58	-	3.58	-	29,254	62	927	97	0	3	58,173	54,491	369	3,313
1985	505	1,001	3.51	-	3.51	-	28,176	49	506	98	0	2	53,542	51,489	280	1,773
1986	780	1,001	2.63	-	2.63	-	27,427	59	780	97	0	3	53,333	51,046	237	2,050
Iowa Electric Light & Power Co																
1982	273	1,016	3.60	-	3.60	-	12,427	-	277	98	-	2	32,395	31,413	-	982
1983	265	1,000	3.82	-	3.82	-	13,464	-	265	98	-	2	36,664	35,653	-	1,011
1984	229	1,000	3.81	-	3.81	-	10,592	-	229	98	-	2	30,836	29,963	-	873
1985	138	1,000	3.71	-	3.71	-	14,423	47	138	99	0	1	22,131	21,360	258	512
1986	212	1,000	3.37	-	3.37	-	15,921	81	212	98	1	1	23,476	22,486	275	715
Iowa Power & Light Co																
1982	219	993	3.63	-	3.63	-	40,374	-	217	99	-	1	44,318	43,524	-	794
1983	151	987	4.12	-	4.12	-	42,033	26	149	100	0	0	52,873	52,092	159	622
1984	192	988	4.29	-	4.29	-	51,294	119	190	99	0	0	59,301	57,762	716	823
1985	142	1,000	3.95	-	3.95	-	39,004	29	142	100	0	0	47,033	46,299	172	562
1986	92	1,003	3.36	-	3.36	-	36,660	-	92	100	-	0	41,540	41,232	-	308
Iowa Public Service Co																
1982	256	998	-	3.49	3.49	100.0	59,182	25	255	100	0	0	100,237	99,167	176	893
1983	197	1,000	4.06	-	4.06	-	52,949	-	197	100	-	0	85,205	84,404	-	800
1984	231	1,000	3.95	-	3.95	-	64,739	179	231	99	0	0	98,687	96,727	1,046	913
1985	168	1,000	3.82	-	3.82	-	65,202	93	168	100	0	0	97,367	96,175	551	640
1986	71	1,000	2.82	3.61	2.86	5.2	37,453	128	71	99	0	0	55,626	54,997	424	204
Iowa Southern Utilities Co																
1982	-	-	-	-	-	-	33,094	95	-	100	0	-	47,340	46,679	661	-
1983	-	-	-	-	-	-	38,029	131	-	100	0	-	56,245	55,440	805	-
1984	-	-	-	-	-	-	48,100	69	-	100	0	-	68,405	67,984	421	-
1985	-	-	-	-	-	-	40,915	32	-	100	0	-	55,825	55,630	195	-
1986	-	-	-	-	-	-	39,814	47	-	100	0	-	47,432	47,249	182	-
Iowa-Illinois Gas&Electric Co																
1982	1,222	1,037	3.52	4.00	3.75	48.4	6,730	138	1,268	83	2	16	16,483	11,174	727	4,582

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Iowa-Illinois Gas&Electric Co																		
1983	850	100.0	9,035	6.8	1.0	30.77	-	30.77	-	-	-	-	-	-	-	-	-	-
1984	1,037	100.0	8,565	6.4	.6	27.72	-	27.72	-	-	-	-	-	-	-	-	-	-
1985	1,145	100.0	8,540	6.2	.6	26.54	-	26.54	-	-	-	-	-	-	-	-	-	-
1986	2,123	67.6	8,706	6.2	.7	22.74	15.34	20.35	-	-	-	-	-	-	-	-	-	-
Jacksonville Electric Auth																		
1982	-	-	-	-	-	-	-	-	6,078	96.5	152,491	1.5	27.56	27.57	27.56	-	-	-
1983	-	-	-	-	-	-	-	-	2,268	100.0	155,025	1.1	27.29	-	27.29	-	-	-
1984	-	-	-	-	-	-	-	-	2,074	100.0	152,453	1.2	28.81	-	28.81	-	-	-
1985	-	-	-	-	-	-	-	-	3,243	100.0	151,674	1.4	23.66	-	23.66	-	-	-
1986	204	100.0	11,728	12.8	3.8	33.45	-	33.45	6,833	100.0	151,512	1.4	13.24	-	13.24	-	-	-
Jamestown City of																		
1982	134	-	12,481	11.1	2.5	-	38.56	38.56	-	-	-	-	-	-	-	-	-	-
1983	124	-	12,807	9.2	2.0	-	37.36	37.36	-	-	-	-	-	-	-	-	-	-
1984	122	-	12,774	9.3	1.9	-	37.24	37.24	-	-	-	-	-	-	-	-	-	-
1985	101	-	12,643	10.2	1.4	-	36.74	36.74	-	-	-	-	-	-	-	-	-	-
1986	122	-	12,741	9.5	1.5	-	35.69	35.69	-	-	-	-	-	-	-	-	-	-
Jersey Central Power&Light Co																		
1982	-	-	-	-	-	-	-	-	493	100.0	146,671	.4	33.34	-	33.34	3	138,327	40.33
1983	-	-	-	-	-	-	-	-	506	100.0	147,946	.5	29.66	-	29.66	2	137,707	36.47
1984	-	-	-	-	-	-	-	-	629	100.0	147,296	.5	30.85	-	30.85	1	138,075	36.06
1985	-	-	-	-	-	-	-	-	395	100.0	147,464	.4	27.12	-	27.12	1	136,890	34.40
1986	-	-	-	-	-	-	-	-	1,163	100.0	147,505	.4	15.62	-	15.62	1	135,193	20.21
Kansas City City of																		
1982	1,227	94.8	9,561	8.7	1.5	34.46	36.93	34.58	-	-	-	-	-	-	-	12	138,000	38.26
1983	1,270	-	9,394	8.0	1.1	-	38.21	38.21	-	-	-	-	-	-	-	9	138,000	34.57
1984	1,306	51.6	9,736	8.7	1.4	42.15	43.16	42.64	-	-	-	-	-	-	-	9	138,000	34.83
1985	1,491	100.0	9,248	7.5	1.1	33.70	-	33.70	-	-	-	-	-	-	-	5	138,000	31.30
1986	1,239	86.3	9,116	5.8	.8	23.19	32.76	24.51	-	-	-	-	-	-	-	9	138,000	17.83
Kansas City Power & Light Co																		
1982	8,003	88.1	9,188	12.0	2.2	22.75	21.64	22.62	-	-	-	-	-	-	-	83	139,600	38.88
1983	7,150	89.9	9,192	9.8	1.7	25.53	20.42	25.01	-	-	-	-	-	-	-	185	137,848	34.72
1984	8,485	84.2	9,193	10.2	1.7	25.47	21.77	24.88	-	-	-	-	-	-	-	148	138,086	35.38
1985	7,480	81.7	9,119	10.8	1.8	23.06	23.00	23.05	-	-	-	-	-	-	-	126	138,853	32.03
1986	7,260	88.1	8,897	10.9	1.7	19.39	18.24	19.25	-	-	-	-	-	-	-	124	138,772	19.49
Kansas Gas & Electric Co																		
1982	-	-	-	-	-	-	-	-	94	-	150,658	1.3	-	22.56	22.56	-	-	-
1983	-	-	-	-	-	-	-	-	43	-	151,977	1.0	-	31.04	31.04	-	-	-
1984	-	-	-	-	-	-	-	-	48	-	152,575	1.1	-	31.33	31.33	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas Power & Light Co																		
1982	6,268	100.0	8,766	6.2	.4	23.76	-	23.76	191	-	152,081	1.2	-	23.90	23.90	12	137,774	39.06
1983	8,030	100.0	8,660	5.7	.4	23.99	-	23.99	38	-	155,252	1.1	-	26.46	26.46	8	141,429	36.91
1984	9,160	100.0	8,652	5.6	.4	25.87	-	25.87	30	-	156,721	1.0	-	31.40	31.40	8	141,339	36.93
1985	8,684	100.0	8,565	5.2	.4	23.22	-	23.22	-	-	-	-	-	-	-	-	-	-
1986	8,522	100.0	8,571	5.2	.4	23.15	-	23.15	-	-	-	-	-	-	-	-	-	-
Kentucky Power Co																		
1982	2,144	74.7	12,000	11.4	1.0	40.16	35.51	38.99	-	-	-	-	-	-	-	-	-	-
1983	2,336	87.0	12,095	11.2	1.1	38.54	35.07	38.09	-	-	-	-	-	-	-	-	-	-
1984	1,971	87.3	11,730	12.5	1.1	37.03	28.44	35.94	-	-	-	-	-	-	-	34	140,011	36.50
1985	2,296	66.4	11,681	12.8	1.2	38.32	30.57	35.72	-	-	-	-	-	-	-	34	138,650	35.11
1986	2,038	87.1	11,911	12.7	1.2	39.10	26.07	37.42	-	-	-	-	-	-	-	35	138,914	24.54
Kentucky Utilities Co																		
1982	4,263	61.5	11,869	9.6	1.9	45.72	33.51	41.02	-	-	-	-	-	-	-	-	-	-
1983	3,982	62.1	11,981	9.4	1.8	47.28	32.01	41.48	-	-	-	-	-	-	-	38	140,000	36.07
1984	4,151	52.7	12,156	9.5	1.7	49.40	33.21	41.74	-	-	-	-	-	-	-	60	140,000	36.11
1985	4,493	45.8	12,029	9.4	2.0	45.70	31.70	38.11	-	-	-	-	-	-	-	44	140,000	33.72
1986	4,875	43.9	12,134	9.7	1.8	47.12	28.47	36.66	-	-	-	-	-	-	-	56	140,000	19.99
Key West City of																		
1982	-	-	-	-	-	-	-	-	204	100.0	151,110	2.3	26.22	-	26.22	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Iowa-Illinois Gas&Electric Co																
1983	2,032	1,038	3.72	4.30	3.84	21.6	15,359	-	2,110	88	-	12	33,970	26,158	-	7,811
1984	1,469	1,055	3.58	4.23	3.78	31.2	17,758	-	1,550	92	-	8	34,293	28,736	-	5,557
1985	1,483	1,030	3.55	4.14	3.76	36.1	19,552	-	1,528	93	-	7	35,965	30,385	-	5,580
1986	1,089	1,026	3.39	4.01	3.61	34.8	36,967	-	1,117	97	-	3	47,130	43,200	-	3,930
Jacksonville Electric Auth																
1982	-	-	-	-	-	-	-	38,928	-	-	100	-	167,531	-	167,531	-
1983	2,536	1,042	3.82	3.70	3.80	18.7	-	14,378	2,642	-	84	16	69,899	-	60,255	9,643
1984	5,497	1,044	3.82	-	3.82	-	-	13,280	5,739	-	70	30	80,756	-	59,753	21,003
1985	4,553	1,044	3.95	-	3.95	-	-	20,659	4,753	-	81	19	94,737	-	76,744	17,993
1986	1,697	1,040	2.65	2.26	2.56	22.0	4,785	43,482	1,765	10	87	4	101,637	6,824	90,462	4,351
Jamestown City of																
1982	-	-	-	-	-	-	3,341	-	-	100	-	-	5,162	5,162	-	-
1983	-	-	-	-	-	-	3,169	-	-	100	-	-	4,622	4,622	-	-
1984	-	-	-	-	-	-	3,104	-	-	100	-	-	4,525	4,525	-	-
1985	-	-	-	-	-	-	2,543	-	-	100	-	-	3,694	3,694	-	-
1986	-	-	-	-	-	-	3,115	-	-	100	-	-	4,363	4,363	-	-
Jersey Central Power&Light Co																
1982	9,546	1,029	5.39	-	5.39	-	-	3,053	9,821	-	24	76	67,979	-	16,546	51,432
1983	13,984	1,031	4.14	-	4.14	-	-	3,155	14,417	-	18	82	72,967	-	15,078	57,889
1984	11,511	1,032	4.42	-	4.42	-	-	3,896	11,875	-	25	75	70,285	-	19,435	50,850
1985	11,724	1,033	3.84	-	3.84	-	-	2,456	12,112	-	17	83	55,760	-	10,767	44,993
1986	4,590	1,035	2.55	-	2.55	-	-	7,213	4,751	-	60	40	29,883	-	18,190	11,693
Kansas City City of																
1982	843	1,012	3.53	-	3.53	-	23,459	71	853	96	0	4	45,874	42,427	467	2,980
1983	318	996	4.12	-	4.12	-	23,857	51	317	98	0	1	50,132	48,518	304	1,309
1984	195	995	3.83	-	3.83	-	25,424	52	194	99	0	1	56,733	55,675	311	747
1985	353	982	3.28	-	3.28	-	27,571	28	347	99	0	1	51,536	50,226	151	1,158
1986	388	970	2.89	-	2.89	-	22,583	49	377	98	0	2	31,628	30,353	152	1,123
Kansas City Power & Light Co																
1982	2,621	1,024	3.66	-	3.66	-	147,048	486	2,685	98	0	2	193,824	181,015	3,223	9,585
1983	1,916	989	4.15	-	4.15	-	131,434	1,071	1,894	98	1	1	193,208	178,845	6,422	7,941
1984	874	985	3.92	-	3.92	-	156,013	859	861	99	1	1	219,787	211,124	5,240	3,423
1985	274	963	3.21	-	3.21	-	136,421	734	264	99	1	0	177,345	172,437	4,030	879
1986	217	952	2.82	-	2.82	-	129,177	723	207	99	1	0	142,802	139,772	2,417	612
Kansas Gas & Electric Co																
1982	27,573	970	2.43	-	2.43	-	-	595	26,755	-	2	98	68,986	-	2,120	66,866
1983	23,586	973	2.91	-	2.91	-	-	274	22,938	-	1	99	69,893	-	1,335	68,558
1984	19,927	970	3.16	-	3.16	-	-	308	19,334	-	2	98	64,420	-	1,504	62,916
1985	11,860	965	2.76	-	2.76	-	-	-	11,441	-	-	100	32,788	-	-	32,788
1986	7,183	967	2.38	-	2.38	-	-	-	6,949	-	-	100	17,109	-	-	17,109
Kansas Power & Light Co																
1982	7,395	1,024	2.31	-	2.31	-	109,896	1,287	7,574	93	1	6	171,006	148,916	5,022	17,068
1983	3,681	994	2.77	-	2.77	-	139,074	290	3,660	97	0	3	204,059	192,598	1,274	10,187
1984	2,207	1,007	3.00	-	3.00	-	158,514	242	2,223	98	0	1	244,807	236,966	1,219	6,622
1985	1,218	1,003	2.80	-	2.80	-	148,751	-	1,222	99	-	1	205,030	201,620	-	3,410
1986	1,180	992	2.43	-	2.43	-	146,094	-	1,171	99	-	1	200,158	197,287	-	2,871
Kentucky Power Co																
1982	-	-	-	-	-	-	51,457	-	-	100	-	-	83,584	83,584	-	-
1983	-	-	-	-	-	-	56,506	-	-	100	-	-	88,981	88,981	-	-
1984	-	-	-	-	-	-	46,250	200	-	100	0	-	72,087	70,847	1,241	-
1985	-	-	-	-	-	-	53,633	200	-	100	0	-	83,206	81,998	1,208	-
1986	-	-	-	-	-	-	48,547	205	-	100	0	-	77,114	76,251	864	-
Kentucky Utilities Co																
1982	-	-	-	-	-	-	101,190	-	-	100	-	-	174,848	174,848	-	-
1983	-	-	-	-	-	-	95,411	225	-	100	0	-	166,554	165,171	1,382	-
1984	-	-	-	-	-	-	100,907	351	-	100	0	-	175,396	173,243	2,153	-
1985	-	-	-	-	-	-	108,092	259	-	100	0	-	172,728	171,242	1,485	-
1986	-	-	-	-	-	-	118,317	326	-	100	0	-	179,843	178,733	1,110	-
Key West City of																
1982	-	-	-	-	-	-	-	1,293	-	-	100	-	5,340	-	5,340	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Lafayette City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake Superior Dist Power																		
1982	[1] 145	100.0	7,634	8.1	0.8	25.83	-	25.83	-	-	-	-	-	-	-	-	-	-
Lake Worth City of																		
1982	-	-	-	-	-	-	-	-	11	-	148,100	2.2	-	28.64	28.64	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	138,000	35.02
1985	-	-	-	-	-	-	-	-	1	-	148,100	2.2	-	27.68	27.68	2	138,000	30.72
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	138,000	23.04
Lakeland City of																		
1982	321	100.0	11,788	14.1	2.0	51.36	-	51.36	1,099	100.0	149,778	1.2	29.96	-	29.96	-	-	-
1983	912	100.0	11,730	14.1	2.0	50.29	-	50.29	176	100.0	150,225	1.6	28.84	-	28.84	20	138,716	35.69
1984	824	100.0	11,654	14.2	1.8	52.64	-	52.64	104	100.0	150,634	2.1	29.09	-	29.09	26	138,679	34.08
1985	894	100.0	12,029	11.8	1.5	51.20	-	51.20	78	68.4	148,906	1.2	28.27	26.68	27.77	22	138,216	33.92
1986	261	100.0	12,236	10.6	1.5	52.33	-	52.33	745	-	149,604	1.6	-	13.91	13.91	24	138,847	19.97
Lansing City of																		
1982	1,003	95.1	12,662	8.2	.7	58.70	59.62	58.74	-	-	-	-	-	-	-	-	-	-
1983	839	79.1	12,977	8.1	.7	62.48	47.09	59.27	-	-	-	-	-	-	-	11	138,035	37.23
1984	1,071	59.9	12,929	8.0	.7	61.29	49.31	56.49	-	-	-	-	-	-	-	10	138,000	35.71
1985	815	81.5	13,022	6.9	.8	58.12	48.23	56.29	-	-	-	-	-	-	-	11	138,000	34.10
1986	1,089	60.4	12,961	7.3	.8	56.75	44.15	51.76	-	-	-	-	-	-	-	10	138,000	24.28
Long Island Lighting Co																		
1982	-	-	-	-	-	-	-	-	15,235	100.0	150,589	2.0	26.51	-	26.51	-	-	-
1983	-	-	-	-	-	-	-	-	14,319	98.6	151,008	2.1	26.37	30.85	26.43	-	-	-
1984	-	-	-	-	-	-	-	-	15,595	96.8	151,195	2.2	28.07	30.52	28.15	-	-	-
1985	-	-	-	-	-	-	-	-	15,162	97.6	150,955	2.1	24.80	25.23	24.81	-	-	-
1986	-	-	-	-	-	-	-	-	14,912	91.1	150,756	1.7	14.87	13.14	14.72	-	-	-
Los Angeles City of																		
1982	-	-	-	-	-	-	-	-	1,248	100.0	145,638	.3	34.30	-	34.30	6	142,864	35.16
1983	-	-	-	-	-	-	-	-	1,643	100.0	146,800	.2	30.06	-	30.06	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	613	-	145,513	.2	-	25.00	25.00	-	-	-
1986	1,427	87.1	11,747	8.9	.5	31.74	24.46	30.80	795	86.5	146,734	.2	12.45	12.52	12.46	-	-	-
Louisiana Power & Light Co																		
1982	-	-	-	-	-	-	-	-	172	100.0	151,557	1.0	24.33	-	24.33	98	145,372	37.41
1983	-	-	-	-	-	-	-	-	149	100.0	149,919	.9	21.55	-	21.55	138	142,246	37.65
1984	-	-	-	-	-	-	-	-	101	100.0	150,832	1.0	22.27	-	22.27	25	144,733	37.54
1985	-	-	-	-	-	-	-	-	40	100.0	150,612	.9	22.28	-	22.28	64	144,516	36.62
1986	-	-	-	-	-	-	-	-	375	100.0	150,487	1.0	9.14	-	9.14	3	144,834	27.16
Louisville Gas & Electric Co																		
1982	3,392	85.9	11,052	13.0	3.4	29.41	30.76	29.60	-	-	-	-	-	-	-	70	140,000	40.18
1983	3,012	87.2	10,978	13.5	3.5	29.71	27.94	29.49	-	-	-	-	-	-	-	52	140,000	34.91
1984	4,166	74.6	11,233	12.4	3.4	30.54	28.34	29.98	-	-	-	-	-	-	-	57	140,000	35.34
1985	3,215	81.8	11,245	11.7	3.3	30.93	28.28	30.44	-	-	-	-	-	-	-	64	140,000	33.06
1986	3,781	79.5	11,209	11.6	3.3	31.44	25.85	30.30	-	-	-	-	-	-	-	31	140,000	16.48
Lower Colorado River Authority																		
1982	3,966	100.0	9,185	4.7	.4	46.83	-	46.83	-	-	-	-	-	-	-	16	141,000	39.14
1983	3,887	100.0	9,106	4.8	.4	46.26	-	46.26	-	-	-	-	-	-	-	18	141,000	35.30
1984	4,271	100.0	9,013	4.9	.4	46.44	-	46.44	-	-	-	-	-	-	-	10	141,000	33.84
1985	5,065	100.0	8,832	5.3	.4	35.67	-	35.67	-	-	-	-	-	-	-	14	141,000	32.76
1986	3,186	98.6	8,849	5.8	.4	31.57	23.55	31.46	-	-	-	-	-	-	-	21	141,000	19.73
Lubbock City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	138,000	29.58
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Lafayette City of																
1982	9,191	1,060	-	3.70	3.70	100.0	-	-	9,747	-	-	100	34,045	-	-	34,045
1983	3,873	1,041	-	3.62	3.62	100.0	-	-	4,033	-	-	100	14,030	-	-	14,030
1984	2,864	1,035	3.39	3.56	3.52	75.1	-	-	2,964	-	-	100	10,084	-	-	10,084
1985	3,574	1,040	3.10	-	3.10	-	-	-	3,717	-	-	100	11,092	-	-	11,092
1986	7,797	1,042	2.00	2.28	2.28	98.9	-	-	8,127	-	-	100	17,791	-	-	17,791
Lake Superior Dist Power																
1982	-	-	-	-	-	-	2,208	-	-	100	-	-	3,736	3,736	-	-
Lake Worth City of																
1982	1,930	1,033	3.41	-	3.41	-	-	70	1,994	-	3	97	6,913	-	324	6,589
1983	3,056	1,024	3.40	-	3.40	-	-	-	3,130	-	-	100	10,382	-	-	10,382
1984	2,890	1,026	3.28	-	3.28	-	-	31	2,967	-	1	99	9,680	-	187	9,494
1985	2,555	1,027	3.28	-	3.28	-	-	16	2,624	-	1	99	8,455	-	80	8,375
1986	2,712	1,022	2.33	-	2.33	-	-	113	2,771	-	4	96	6,765	-	450	6,315
Lakeland City of																
1982	7,443	1,034	2.88	-	2.88	-	7,569	6,914	7,693	34	31	35	70,889	16,489	32,927	21,473
1983	6,259	1,024	2.97	-	2.97	-	21,394	1,226	6,412	74	4	22	70,255	45,864	5,786	18,605
1984	4,307	1,026	3.20	-	3.20	-	19,199	813	4,421	79	3	18	61,074	43,360	3,931	13,783
1985	3,633	1,028	3.23	-	3.23	-	21,518	617	3,735	83	2	14	60,444	45,794	2,919	11,731
1986	4,283	1,019	2.28	-	2.28	-	6,397	4,823	4,365	41	31	28	34,294	13,678	10,845	9,771
Lansing City of																
1982	-	-	-	-	-	-	25,408	-	-	100	-	-	58,939	58,939	-	-
1983	-	-	-	-	-	-	21,780	61	-	100	0	-	50,129	49,736	393	-
1984	-	-	-	-	-	-	27,688	59	-	100	0	-	60,856	60,492	364	-
1985	-	-	-	-	-	-	21,223	62	-	100	0	-	46,241	45,875	366	-
1986	-	-	-	-	-	-	28,230	56	-	100	0	-	56,606	56,370	236	-
Long Island Lighting Co																
1982	20,949	1,032	4.19	-	4.19	-	-	96,358	21,624	-	82	18	491,643	-	403,816	87,827
1983	19,294	1,034	4.38	-	4.38	-	-	90,816	19,959	-	82	18	462,901	-	378,431	84,470
1984	26,719	1,036	4.58	-	4.58	-	-	99,031	27,691	-	78	22	561,325	-	439,011	122,314
1985	26,533	1,038	3.88	-	3.88	-	-	96,129	27,547	-	78	22	479,066	-	376,170	102,897
1986	23,623	1,037	2.15	-	2.15	-	-	94,419	24,501	-	79	21	270,217	-	219,453	50,764
Los Angeles City of																
1982	26,789	1,050	5.10	-	5.10	-	-	7,670	28,122	-	21	79	179,563	-	43,016	136,547
1983	28,379	1,047	5.14	-	5.14	-	-	10,130	29,714	-	25	75	195,333	-	49,392	145,941
1984	41,855	1,050	5.19	-	5.19	-	-	-	43,938	-	-	100	217,412	-	-	217,412
1985	59,252	1,055	4.31	-	4.31	-	-	3,746	62,503	-	6	94	270,550	-	15,326	255,224
1986	46,820	1,051	2.65	-	2.65	-	33,539	4,899	49,199	38	6	56	177,799	43,967	9,908	123,925
Louisiana Power & Light Co																
1982	147,607	1,048	-	2.48	2.48	100.0	-	1,691	154,709	-	1	99	374,099	-	7,842	366,258
1983	131,316	1,046	-	2.55	2.55	100.0	-	1,764	137,338	-	1	99	342,808	-	8,419	334,390
1984	143,131	1,044	-	2.58	2.58	100.0	-	788	149,400	-	1	99	372,494	-	3,172	369,322
1985	144,030	1,045	-	2.40	2.40	100.0	-	641	150,484	-	0	100	349,458	-	3,228	346,230
1986	131,697	1,039	-	1.66	1.66	100.0	-	2,387	136,847	-	2	98	222,226	-	3,503	218,723
Louisville Gas & Electric Co																
1982	1,572	1,025	3.44	-	3.44	-	74,986	413	1,611	97	1	2	108,637	100,414	2,820	5,403
1983	1,037	1,025	3.83	-	3.83	-	66,136	305	1,063	98	0	2	94,605	88,818	1,812	3,975
1984	1,694	1,025	3.66	-	3.66	-	93,596	333	1,737	98	0	2	133,094	124,890	2,000	6,204
1985	1,052	1,025	3.61	-	3.61	-	72,305	374	1,079	98	1	1	103,781	97,882	2,102	3,796
1986	365	1,025	2.93	-	2.93	-	84,763	183	374	99	0	0	116,134	114,553	514	1,067
Lower Colorado River Authority																
1982	14,033	990	-	4.15	4.15	100.0	72,857	94	13,890	84	0	16	244,528	185,709	623	58,195
1983	14,337	994	-	4.34	4.34	100.0	70,789	109	14,247	83	0	17	242,699	179,797	652	62,249
1984	21,115	1,002	-	4.32	4.32	100.0	76,985	61	21,148	78	0	22	289,854	198,356	349	91,150
1985	26,374	1,036	3.28	2.86	2.87	98.3	89,464	83	27,319	77	0	23	256,733	180,653	459	75,621
1986	33,643	1,029	2.10	1.77	1.77	98.7	56,385	124	34,615	62	0	38	160,216	100,217	414	59,584
Lubbock City of																
1982	6,664	1,031	3.49	-	3.49	-	-	98	6,870	-	1	99	23,736	-	498	23,239
1983	6,669	1,018	3.73	-	3.73	-	-	-	6,789	-	-	100	24,844	-	-	24,844
1984	6,486	1,034	3.66	-	3.66	-	-	-	6,708	-	-	100	23,744	-	-	23,744
1985	6,696	1,040	3.45	-	3.45	-	-	-	6,962	-	-	100	23,108	-	-	23,108
1986	6,317	1,039	2.96	-	2.96	-	-	-	6,565	-	-	100	18,671	-	-	18,671

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Madison Gas & Electric Co																		
1982	76	13.0	10,938	8.7	1.4	35.67	42.37	41.50	-	-	-	-	-	-	-	1	138,000	38.97
1983	75	9.5	11,338	7.4	1.2	43.39	41.36	41.55	-	-	-	-	-	-	-	-	-	-
1984	114	3.6	11,501	7.4	1.3	43.70	42.42	42.46	-	-	-	-	-	-	-	-	-	-
1985	54	-	11,187	7.9	1.4	-	44.70	44.70	-	-	-	-	-	-	-	-	-	-
1986	36	-	11,211	7.9	1.4	-	39.58	39.58	-	-	-	-	-	-	-	-	-	-
Manitowoc City of																		
1982	63	-	12,225	10.2	1.7	-	57.41	57.41	-	-	-	-	-	-	-	-	-	-
1983	92	-	12,243	10.8	.9	-	49.85	49.85	-	-	-	-	-	-	-	-	-	-
1984	83	-	12,221	10.4	.9	-	48.77	48.77	-	-	-	-	-	-	-	-	-	-
1985	82	-	12,298	9.3	1.0	-	46.38	46.38	-	-	-	-	-	-	-	-	-	-
1986	93	3.6	13,146	7.2	.9	56.09	48.66	48.93	-	-	-	-	-	-	-	-	-	-
Marquette City of																		
1983	158	100.0	9,809	7.1	.6	40.52	-	40.52	-	-	-	-	-	-	-	5	138,000	33.50
1984	148	100.0	9,606	6.8	.6	41.38	-	41.38	-	-	-	-	-	-	-	2	138,000	34.78
1985	156	100.0	9,335	6.7	.6	41.66	-	41.66	-	-	-	-	-	-	-	1	138,000	32.86
1986	131	100.0	9,620	6.2	.6	41.66	-	41.66	-	-	-	-	-	-	-	1	138,000	17.64
Medina Electric Coop Inc																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	144,000	38.64
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	136,955	33.66
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metropolitan Edison Co																		
1982	1,127	69.6	12,730	10.1	1.8	49.15	46.95	48.48	-	-	-	-	-	-	-	27	137,053	41.36
1983	1,132	57.9	12,880	10.0	1.8	50.64	39.43	45.92	-	-	-	-	-	-	-	76	137,347	35.95
1984	997	56.7	12,904	9.7	1.8	50.32	44.52	47.81	-	-	-	-	-	-	-	110	137,196	36.08
1985	899	65.8	12,932	9.0	1.8	50.15	46.29	48.83	-	-	-	-	-	-	-	53	136,691	33.73
1986	791	82.2	13,111	7.1	1.7	48.72	42.75	47.66	-	-	-	-	-	-	-	45	136,338	22.15
Michigan South Central Pwr Agy																		
1985	120	100.0	12,013	10.0	3.0	47.45	-	47.45	-	-	-	-	-	-	-	-	-	-
1986	92	100.0	11,763	10.6	3.4	45.35	-	45.35	-	-	-	-	-	-	-	5	140,000	20.99
Minnesota Power & Light Co																		
1982	2,932	100.0	8,593	9.1	.8	19.46	-	19.46	-	-	-	-	-	-	-	8	138,000	41.79
1983	2,546	100.0	8,645	8.7	.8	20.90	-	20.90	-	-	-	-	-	-	-	19	137,764	36.55
1984	[1] 3,630	100.0	8,610	8.8	.9	21.38	28.06	21.38	-	-	-	-	-	-	-	16	137,873	36.34
1985	[1] 3,524	95.0	8,644	8.8	.9	23.22	26.62	23.39	-	-	-	-	-	-	-	18	137,971	34.69
1986	[1] 2,766	93.8	8,666	8.3	.8	24.66	26.58	24.78	-	-	-	-	-	-	-	17	137,169	22.57
Minnkota Power Coop Inc																		
1982	2,984	100.0	6,614	7.7	.6	6.58	-	6.58	-	-	-	-	-	-	-	43	140,000	42.14
1983	3,266	100.0	6,620	8.1	.7	6.79	-	6.79	-	-	-	-	-	-	-	43	140,000	36.80
1984	2,984	100.0	6,646	8.2	.7	8.22	-	8.22	-	-	-	-	-	-	-	73	140,000	36.79
1985	3,378	100.0	6,814	7.3	.7	7.94	-	7.94	-	-	-	-	-	-	-	14	140,000	36.06
1986	3,310	100.0	6,750	7.5	.8	7.54	-	7.54	-	-	-	-	-	-	-	9	140,000	21.40
Mississippi Power & Light Co																		
1982	0	100.0	11,001	8.4	.6	59.35	-	59.35	284	100.0	151,354	2.8	24.25	-	24.25	26	134,594	36.80
1983	-	-	-	-	-	-	-	-	122	100.0	150,887	2.8	23.78	-	23.78	9	138,418	36.84
1984	-	-	-	-	-	-	-	-	103	100.0	150,562	2.0	23.77	-	23.77	17	137,897	35.92
1985	-	-	-	-	-	-	-	-	89	100.0	150,980	2.2	25.78	-	25.78	20	136,882	35.50
1986	-	-	-	-	-	-	-	-	1,743	100.0	150,178	3.1	13.02	-	13.02	16	136,890	30.03
Mississippi Power Co																		
1982	2,919	73.2	12,024	9.1	1.5	66.03	42.18	59.64	-	-	-	-	-	-	-	14	137,778	40.76
1983	2,625	83.7	12,057	9.0	1.4	66.02	45.46	62.67	-	-	-	-	-	-	-	10	139,197	36.01
1984	[1] 3,352	76.0	12,065	9.5	1.6	65.18	43.47	59.97	-	-	-	-	-	-	-	14	124,115	30.91
1985	3,087	75.5	12,058	9.5	1.5	68.74	46.06	63.18	33	-	150,000	2.5	-	27.88	27.88	37	138,000	33.72
1986	3,377	58.1	12,153	8.1	1.7	65.04	45.13	56.70	114	-	151,006	3.2	-	12.40	12.40	40	137,612	24.98
Missouri Public Service Comm																		
1982	860	100.0	10,834	11.2	3.3	37.85	-	37.85	-	-	-	-	-	-	-	-	-	-
1983	755	86.0	10,886	11.1	3.2	39.34	38.16	39.18	-	-	-	-	-	-	-	-	-	-
1984	893	76.9	10,831	11.1	3.2	38.61	38.17	38.51	-	-	-	-	-	-	-	-	-	-
1985	538	100.0	10,850	10.9	3.2	39.10	-	39.10	-	-	-	-	-	-	-	-	-	-
1986	790	100.0	10,952	10.6	3.2	39.21	-	39.21	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Madison Gas & Electric Co																
1982	893	999	4.11	-	4.11	-	1,667	3	893	65	0	35	6,855	3,162	23	3,670
1983	1,132	985	4.13	-	4.13	-	1,703	-	1,115	60	-	40	7,798	3,121	-	4,677
1984	1,009	992	4.00	-	4.00	-	2,625	-	1,001	72	-	28	8,885	4,845	-	4,040
1985	783	999	4.10	-	4.10	-	1,208	-	783	61	-	39	5,624	2,414	-	3,211
1986	949	1,003	3.76	-	3.76	-	807	-	952	46	-	54	4,991	1,425	-	3,566
Manitowoc City of																
1982	-	-	-	-	-	-	1,542	-	-	100	-	-	3,620	3,620	-	-
1983	-	-	-	-	-	-	2,262	-	-	100	-	-	4,605	4,605	-	-
1984	-	-	-	-	-	-	2,030	-	-	100	-	-	4,051	4,051	-	-
1985	-	-	-	-	-	-	2,029	-	-	100	-	-	3,826	3,826	-	-
1986	-	-	-	-	-	-	2,457	-	-	100	-	-	4,572	4,572	-	-
Marquette City of																
1983	-	-	-	-	-	-	3,092	30	-	99	1	-	6,559	6,385	174	-
1984	-	-	-	-	-	-	2,853	9	-	100	0	-	6,197	6,145	52	-
1985	-	-	-	-	-	-	2,916	7	-	100	0	-	6,546	6,507	39	-
1986	-	-	-	-	-	-	2,528	7	-	100	0	-	5,496	5,474	21	-
Medina Electric Coop Inc																
1982	2,157	1,065	-	4.40	4.40	100.0	-	-	2,298	-	-	100	9,491	-	-	9,491
1983	1,191	1,054	-	4.30	4.30	100.0	-	35	1,255	-	3	97	5,349	-	224	5,125
1984	1,210	1,074	-	3.86	3.86	100.0	-	34	1,300	-	3	97	4,863	-	197	4,667
1985	1,041	1,062	-	3.47	3.47	100.0	-	-	1,105	-	-	100	3,611	-	-	3,611
1986	214	1,059	-	2.55	2.55	100.0	-	-	227	-	-	100	547	-	-	547
Metropolitan Edison Co																
1982	-	-	-	-	-	-	28,692	158	-	99	1	-	55,767	54,633	1,134	-
1983	-	-	-	-	-	-	29,170	440	-	99	1	-	54,746	52,003	2,743	-
1984	-	-	-	-	-	-	25,733	636	-	98	2	-	51,650	47,670	3,980	-
1985	-	-	-	-	-	-	23,246	306	-	99	1	-	45,685	43,888	1,798	-
1986	-	-	-	-	-	-	20,736	258	-	99	1	-	38,684	37,688	997	-
Michigan South Central Pwr Agy																
1985	-	-	-	-	-	-	2,892	-	-	100	-	-	5,711	5,711	-	-
1986	-	-	-	-	-	-	2,156	32	-	99	1	-	4,270	4,155	115	-
Minnesota Power & Light Co																
1982	3	1,000	4.07	-	4.07	-	50,393	48	3	100	0	0	57,429	57,070	347	13
1983	-	-	-	-	-	-	44,016	111	-	100	0	-	53,892	53,194	698	-
1984	-	-	-	-	-	-	62,505	91	-	100	0	-	78,190	77,615	574	-
1985	-	-	-	-	-	-	60,929	102	-	100	0	-	83,030	82,420	611	-
1986	-	-	-	-	-	-	47,943	99	-	100	0	-	68,934	68,546	388	-
Minnkota Power Coop Inc																
1982	-	-	-	-	-	-	39,471	252	-	99	1	-	21,446	19,643	1,803	-
1983	-	-	-	-	-	-	43,238	255	-	99	1	-	23,766	22,168	1,597	-
1984	-	-	-	-	-	-	39,664	429	-	99	1	-	27,208	24,522	2,686	-
1985	-	-	-	-	-	-	46,033	85	-	100	0	-	27,335	26,816	520	-
1986	-	-	-	-	-	-	44,684	52	-	100	0	-	25,153	24,962	191	-
Mississippi Power & Light Co																
1982	74,671	1,022	-	3.18	3.18	100.0	11	1,948	76,300	0	2	97	245,362	30	7,819	237,513
1983	43,795	1,028	-	3.35	3.35	100.0	-	829	45,022	-	2	98	150,088	-	3,252	146,836
1984	58,012	1,027	-	2.94	2.94	100.0	-	752	59,580	-	1	99	173,682	-	3,065	170,616
1985	47,792	1,038	-	2.86	2.86	100.0	-	680	49,628	-	1	99	139,852	-	3,001	136,851
1986	36,970	1,037	-	2.43	2.43	100.0	-	11,088	38,337	-	22	78	113,155	-	23,176	89,979
Mississippi Power Co																
1982	1,328	1,036	-	4.36	4.36	100.0	70,208	82	1,376	98	0	2	180,481	174,124	575	5,782
1983	1,853	1,045	-	4.94	4.94	100.0	63,292	60	1,937	97	0	3	174,030	164,505	367	9,158
1984	476	1,046	-	3.88	3.88	100.0	80,876	71	498	99	0	1	203,279	201,012	420	1,847
1985	968	1,056	-	4.00	4.00	100.0	74,448	422	1,022	98	1	1	201,068	195,031	2,166	3,872
1986	3,059	1,048	4.23	2.42	2.46	97.5	82,094	950	3,206	95	1	4	201,432	191,501	2,401	7,531
Missouri Public Service Comm																
1982	-	-	-	-	-	-	18,630	-	-	100	-	-	32,540	32,540	-	-
1983	-	-	-	-	-	-	16,447	-	-	100	-	-	29,595	29,595	-	-
1984	-	-	-	-	-	-	19,345	-	-	100	-	-	34,389	34,389	-	-
1985	-	-	-	-	-	-	11,679	-	-	100	-	-	21,044	21,044	-	-
1986	-	-	-	-	-	-	17,304	-	-	100	-	-	30,978	30,978	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Monongahela Power Co																		
1982	[1] 11,105	94.7	12,679	10.3	2.5	39.54	40.72	39.60	-	-	-	-	-	-	-	116	141,000	42.42
1983	10,228	94.6	12,763	9.7	2.6	39.13	28.86	38.58	-	-	-	-	-	-	-	107	141,000	39.67
1984	12,194	83.9	12,595	10.7	2.5	37.54	29.69	36.27	-	-	-	-	-	-	-	70	141,000	37.71
1985	10,164	91.1	12,686	10.3	2.5	37.03	26.45	36.08	-	-	-	-	-	-	-	79	141,000	36.75
1986	10,735	84.5	12,732	10.0	2.4	36.12	25.80	34.52	-	-	-	-	-	-	-	92	141,000	25.07
Montana Power Co																		
1982	2,424	100.0	8,645	8.5	.7	9.25	-	9.25	-	-	-	-	-	-	-	-	-	-
1983	1,804	100.0	8,534	8.2	.7	12.50	-	12.50	-	-	-	-	-	-	-	-	-	-
1984	4,823	100.0	8,585	9.0	.7	12.35	-	12.35	-	-	-	-	-	-	-	40	141,000	34.34
1985	5,292	100.0	8,717	9.6	.7	12.05	-	12.05	-	-	-	-	-	-	-	86	141,000	36.16
1986	7,308	100.0	8,598	9.8	.6	11.40	-	11.40	-	-	-	-	-	-	-	43	141,000	25.37
Montana-Dakota Utilities Co																		
1982	2,325	100.0	6,899	7.9	.8	11.84	-	11.84	-	-	-	-	-	-	-	26	137,631	42.20
1983	2,617	-	6,993	9.3	.8	-	12.26	12.26	-	-	-	-	-	-	-	49	136,867	35.95
1984	2,559	-	6,953	8.8	.9	-	12.78	12.78	-	-	-	-	-	-	-	8	136,477	37.51
1985	2,564	80.9	6,804	8.5	.8	12.80	12.92	12.82	-	-	-	-	-	-	-	17	136,552	32.95
1986	2,311	100.0	6,868	8.0	.9	12.37	-	12.37	-	-	-	-	-	-	-	16	136,552	21.40
Montaup Electric Co																		
1982	-	-	-	-	-	-	-	-	1,504	100.0	150,174	2.1	25.99	-	25.99	-	-	-
1983	402	-	14,049	3.7	.8	-	58.37	58.37	507	-	150,739	1.0	-	27.00	27.00	-	-	-
1984	375	30.8	13,149	6.5	1.1	57.18	58.31	57.96	250	-	150,374	1.0	-	28.30	28.30	50	135,839	34.46
1985	501	100.0	13,364	7.1	1.2	53.86	-	53.86	-	-	-	-	-	-	-	54	138,830	33.67
1986	389	100.0	13,298	6.7	1.1	50.26	-	50.26	105	-	150,809	.9	-	13.02	13.02	57	138,435	20.79
Muscatine City of																		
1982	383	100.0	11,462	8.3	3.1	38.78	-	38.78	-	-	-	-	-	-	-	-	-	-
1983	487	-	11,567	5.3	3.2	-	41.63	41.63	-	-	-	-	-	-	-	15	138,500	36.67
1984	211	-	11,087	10.6	3.0	-	45.20	45.20	-	-	-	-	-	-	-	7	138,500	40.26
1985	488	-	11,383	5.8	2.9	-	43.10	43.10	-	-	-	-	-	-	-	60	138,500	34.73
1986	484	-	11,280	6.2	3.1	-	43.10	43.10	-	-	-	-	-	-	-	2	138,500	32.50
Narragansett Electric Co																		
1982	-	-	-	-	-	-	-	-	980	27.8	149,648	1.1	29.97	28.51	28.92	-	-	-
1983	-	-	-	-	-	-	-	-	503	19.3	150,197	1.3	27.65	27.37	27.42	-	-	-
1984	-	-	-	-	-	-	-	-	589	-	150,769	1.0	-	29.43	29.43	-	-	-
1985	-	-	-	-	-	-	-	-	554	32.3	150,908	1.0	26.57	25.08	25.56	-	-	-
1986	-	-	-	-	-	-	-	-	1,442	-	151,048	.9	-	15.04	15.04	-	-	-
Nebraska Public Power District																		
1982	3,392	96.5	9,041	5.3	.4	17.57	37.90	18.28	-	-	-	-	-	-	-	104	138,126	38.65
1983	2,703	97.7	8,923	5.1	.3	17.16	39.65	17.67	-	-	-	-	-	-	-	57	138,140	33.99
1984	3,667	91.9	9,057	5.2	.4	18.86	34.00	20.08	-	-	-	-	-	-	-	12	138,140	35.04
1985	3,482	76.6	8,865	5.1	.3	18.86	14.51	17.84	-	-	-	-	-	-	-	2	138,140	34.15
1986	3,053	99.9	8,955	4.9	.4	18.13	40.59	18.15	-	-	-	-	-	-	-	3	138,140	22.75
Nevada Power Co																		
1982	1,086		11,572	10.5	.5	-	43.19	43.19	-	-	-	-	-	-	-	-	-	-
1983	1,213	100.0	11,816	8.8	.5	39.69	-	39.69	-	-	-	-	-	-	-	30	136,365	34.82
1984	1,519	100.0	11,836	8.7	.5	45.86	-	45.86	-	-	-	-	-	-	-	11	136,365	34.03
1985	2,019	100.0	11,921	8.9	.5	46.90	-	46.90	-	-	-	-	-	-	-	9	136,365	34.37
1986	1,787	100.0	11,853	9.1	.5	48.25	-	48.25	9	-	147,588	.8	-	11.64	11.64	12	134,823	22.71
New England Power Co																		
1982	2,701	71.4	13,150	7.5	1.3	65.87	66.06	65.93	7,754	75.8	150,002	2.1	25.21	24.78	25.11	-	-	-
1983	2,451	75.1	13,201	7.5	1.2	59.22	65.69	60.83	6,631	85.7	149,692	2.1	25.51	27.22	25.76	-	-	-
1984	3,168	61.8	13,265	7.4	1.1	57.08	55.22	56.37	6,961	66.3	150,246	2.0	28.07	28.17	28.10	-	-	-
1985	3,004	72.9	13,279	7.6	1.1	53.02	48.70	51.85	6,795	52.9	151,154	1.8	23.42	23.50	23.46	-	-	-
1986	3,185	92.9	13,224	7.8	1.2	46.62	40.35	46.17	8,488	68.9	151,147	2.0	13.25	13.20	13.23	-	-	-
New Mexico Electric Service																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Orleans Public Service Inc																		
1982	-	-	-	-	-	-	-	-	695	-	151,410	1.5	-	23.30	23.30	-	-	-
1983	-	-	-	-	-	-	-	-	45	-	150,726	1.5	-	21.31	21.31	1	137,388	35.95
1984	-	-	-	-	-	-	-	-	2	-	150,602	1.5	-	23.24	23.24	1	138,079	34.85
1985	-	-	-	-	-	-	-	-	10	-	150,612	1.5	-	21.97	21.97	2	138,021	33.40
1986	-	-	-	-	-	-	-	-	0	-	152,300	1.5	-	8.64	8.64	0	137,612	19.96

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Monongahela Power Co																
1982	131	1,000	4.15	-	4.15	-	281,591	690	131	100	0	0	445,270	439,785	4,940	545
1983	115	1,000	4.55	-	4.55	-	261,073	633	115	100	0	0	399,352	394,586	4,242	524
1984	116	1,000	5.02	-	5.02	-	307,166	417	116	100	0	0	445,549	442,311	2,657	582
1985	141	1,000	4.77	-	4.77	-	257,865	467	141	100	0	0	370,268	366,692	2,901	675
1986	157	1,000	4.03	-	4.03	-	273,366	547	157	100	0	0	373,495	370,547	2,314	634
Montana Power Co																
1982	285	1,191	-	1.71	1.71	100.0	41,912	-	339	99	-	1	22,919	22,433	-	486
1983	302	1,202	-	.83	.83	100.0	30,791	-	363	99	-	1	22,804	22,552	-	252
1984	326	1,182	-	.64	.64	100.0	82,806	239	385	99	0	0	61,133	59,539	1,384	210
1985	440	1,206	-	.64	.64	100.0	92,257	509	531	99	1	1	67,183	63,789	3,110	283
1986	399	1,204	-	.96	.96	100.0	125,665	255	481	99	0	0	84,775	83,303	1,091	381
Montana-Dakota Utilities Co																
1982	34	1,040	4.36	-	4.36	-	32,081	151	35	99	0	0	28,787	27,538	1,101	147
1983	10	1,045	4.67	-	4.67	-	36,596	281	11	99	1	0	33,888	32,082	1,758	48
1984	9	1,071	5.66	-	5.66	-	35,594	48	10	100	0	0	33,064	32,701	312	52
1985	7	1,050	5.33	-	5.33	-	34,896	99	7	100	0	0	33,472	32,870	567	35
1986	8	1,040	4.81	-	4.81	-	31,748	95	8	100	0	0	28,982	28,593	353	37
Montaup Electric Co																
1982	-	-	-	-	-	-	-	9,485	-	-	100	-	39,077	-	39,077	-
1983	-	-	-	-	-	-	11,296	3,212	-	78	22	-	37,160	23,465	13,695	-
1984	-	-	-	-	-	-	9,873	1,862	-	84	16	-	30,546	21,758	8,788	-
1985	-	-	-	-	-	-	13,391	315	-	98	2	-	28,800	26,981	1,818	-
1986	-	-	-	-	-	-	10,354	997	-	91	9	-	22,123	19,567	2,556	-
Muscatine City of																
1982	-	-	-	-	-	-	8,771	-	-	100	-	-	14,836	14,836	-	-
1983	-	-	-	-	-	-	11,261	90	-	99	1	-	20,829	20,265	564	-
1984	53	1,000	-	3.49	3.49	100.0	4,679	43	53	98	1	1	10,019	9,538	298	183
1985	48	1,000	-	3.31	3.31	100.0	11,110	352	48	97	3	0	23,291	21,032	2,101	159
1986	45	1,000	-	3.13	3.13	100.0	10,926	14	45	99	0	0	21,089	20,873	76	140
Narragansett Electric Co																
1982	807	1,020	4.04	-	4.04	-	-	6,156	824	-	88	12	31,587	-	28,324	3,263
1983	3,078	1,039	3.90	-	3.90	-	-	3,173	3,198	-	50	50	25,794	-	13,793	12,002
1984	3,685	1,030	4.03	-	4.03	-	-	3,733	3,796	-	50	50	32,192	-	17,347	14,845
1985	2,599	1,034	3.48	-	3.48	-	-	3,514	2,687	-	57	43	23,221	-	14,173	9,048
1986	-	-	-	-	-	-	-	9,150	-	-	100	-	21,691	-	21,691	-
Nebraska Public Power District																
1982	8	996	4.06	-	4.06	-	61,340	605	8	99	1	0	66,074	62,009	4,031	33
1983	18	991	4.33	-	4.33	-	48,236	332	18	99	1	0	49,795	47,768	1,948	79
1984	301	953	3.04	-	3.04	-	66,419	69	287	99	0	0	74,971	73,636	419	915
1985	430	951	3.23	-	3.23	-	61,730	14	409	99	0	1	63,604	62,128	85	1,391
1986	432	951	3.19	-	3.19	-	54,683	16	411	99	0	1	56,869	55,426	64	1,379
Nevada Power Co																
1982	5,590	1,066	-	3.94	3.94	100.0	25,130	-	5,960	81	-	19	68,909	46,893	-	22,015
1983	1,458	1,069	6.56	-	6.56	-	28,659	169	1,558	94	1	5	58,733	48,137	1,028	9,568
1984	2,643	1,067	4.55	-	4.55	-	35,954	65	2,819	93	0	7	82,067	69,657	388	12,022
1985	3,160	1,070	4.31	4.61	4.34	9.1	48,135	54	3,381	93	0	7	108,733	94,695	327	13,712
1986	2,875	1,060	2.67	-	2.67	-	42,354	123	3,047	93	0	7	94,257	86,201	369	7,686
New England Power Co																
1982	-	-	-	-	-	-	71,049	48,851	-	59	41	-	372,781	178,097	194,684	-
1983	-	-	-	-	-	-	64,710	41,690	-	61	39	-	319,881	149,087	170,793	-
1984	-	-	-	-	-	-	84,049	43,924	-	66	34	-	374,204	178,601	195,602	-
1985	-	-	-	-	-	-	79,788	43,141	-	65	35	-	315,186	155,784	159,403	-
1986	-	-	-	-	-	-	84,248	53,885	-	61	39	-	259,415	147,076	112,339	-
New Mexico Electric Service																
1982	7,130	1,037	3.61	-	3.61	-	-	-	7,393	-	-	100	25,768	-	-	25,768
1983	2,394	1,013	-	3.71	3.71	100.0	-	-	2,426	-	-	100	8,876	-	-	8,876
New Orleans Public Service Inc																
1982	36,568	1,053	3.94	4.23	4.09	51.7	-	4,418	38,523	-	10	90	165,785	-	16,186	149,599
1983	23,726	1,033	3.76	4.18	3.76	.8	-	286	24,500	-	1	99	90,207	-	975	89,232
1984	30,369	1,040	3.45	4.29	3.45	.5	-	16	31,588	-	0	100	104,976	-	69	104,907
1985	28,551	1,041	3.03	-	3.03	-	-	76	29,725	-	0	100	86,925	-	291	86,634
1986	24,932	1,029	1.82	-	1.82	-	-	2	25,659	-	0	100	45,479	-	6	45,473

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price In Dollars per Ton			Quantity Delivered		Average Quality		Average Price In Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
New York State Elec & Gas Corp																		
1982	2,528	50.1	11,812	16.2	1.6	39.02	42.22	40.62	-	-	-	-	-	-	-	-	-	-
1983	2,524	55.3	11,868	15.5	1.6	40.59	37.99	39.43	-	-	-	-	-	-	-	15	137,000	37.98
1984	3,458	58.7	12,179	13.5	2.0	42.07	39.98	41.21	-	-	-	-	-	-	-	90	137,000	37.36
1985	3,802	67.4	12,298	12.7	2.0	41.87	38.18	40.67	-	-	-	-	-	-	-	48	137,000	35.98
1986	3,185	72.0	12,404	12.0	2.0	41.55	36.97	40.27	-	-	-	-	-	-	-	43	137,000	22.28
Niagara Mohawk Power Corp																		
1982	3,130	67.9	12,824	9.7	1.9	50.93	45.75	49.27	6,233	100.0	148,051	1.8	30.27	-	30.27	-	-	-
1983	2,946	68.3	12,892	9.3	1.8	50.80	45.04	48.97	4,309	93.5	147,871	1.7	31.29	35.79	31.58	-	-	-
1984	3,389	59.8	12,832	9.2	1.8	52.58	44.24	49.23	4,732	100.0	148,367	1.7	32.33	-	32.33	-	-	-
1985	2,798	51.8	12,883	9.1	1.8	50.64	41.69	46.32	3,164	100.0	148,165	1.2	30.89	-	30.89	-	-	-
1986	2,440	56.2	13,054	8.2	1.7	47.58	38.38	43.55	7,804	51.1	149,774	1.6	16.97	12.41	14.74	-	-	-
Northern Indiana Pub Serv Co																		
1982	4,170	98.0	10,891	9.1	1.6	54.56	37.77	54.23	-	-	-	-	-	-	-	-	-	-
1983	4,039	100.0	10,961	8.7	1.7	55.47	-	55.47	-	-	-	-	-	-	-	-	-	-
1984	[1] 5,814	80.0	11,053	9.1	2.2	55.73	41.76	52.94	-	-	-	-	-	-	-	-	-	-
1985	3,729	90.5	11,056	9.2	2.0	55.46	37.38	53.75	-	-	-	-	-	-	-	48	138,747	37.99
1986	[1] 3,663	73.1	11,163	9.7	2.7	44.71	40.19	43.49	-	-	-	-	-	-	-	20	138,676	34.08
Northern States Power Co																		
1982	[1] 7,359	100.0	9,014	8.9	.9	22.94	33.82	22.95	-	-	-	-	-	-	-	-	-	-
1983	[1] 6,718	99.7	8,943	8.9	.8	25.06	30.51	25.08	-	-	-	-	-	-	-	-	-	-
1984	[1] 7,497	100.0	8,789	9.4	.8	24.62	-	24.62	-	-	-	-	-	-	-	-	-	-
1985	[1] 7,067	96.2	8,829	9.3	.9	24.77	34.15	25.12	-	-	-	-	-	-	-	-	-	-
1986	[1] 6,294	98.0	8,861	7.2	.6	22.76	26.10	22.83	-	-	-	-	-	-	-	-	-	-
Ohio Edison Co																		
1982	6,302	19.5	12,213	10.4	2.3	44.43	37.40	38.77	-	-	-	-	-	-	-	49	138,344	43.53
1983	6,339	19.9	12,139	11.0	2.2	33.83	32.83	33.03	-	-	-	-	-	-	-	65	137,903	49.61
1984	7,163	19.2	12,026	11.2	2.2	35.07	33.02	33.41	-	-	-	-	-	-	-	49	137,711	61.08
1985	7,319	48.4	12,126	11.3	2.1	35.81	30.29	32.96	-	-	-	-	-	-	-	42	137,647	45.91
1986	8,076	52.1	12,148	11.3	2.0	35.74	28.40	32.22	-	-	-	-	-	-	-	13	136,847	19.93
Ohio Power Co																		
1982	13,314	99.1	10,859	13.6	3.2	38.97	27.77	38.87	-	-	-	-	-	-	-	-	-	-
1983	11,490	99.7	11,395	12.5	3.3	42.63	37.11	42.61	-	-	-	-	-	-	-	100	138,500	36.19
1984	14,764	90.3	11,514	12.7	3.2	43.75	28.89	42.31	-	-	-	-	-	-	-	123	138,553	36.21
1985	13,695	95.5	11,552	12.9	3.3	42.06	38.60	41.90	-	-	-	-	-	-	-	140	137,496	34.35
1986	13,004	99.3	11,547	12.7	3.4	41.51	38.77	41.49	-	-	-	-	-	-	-	135	137,269	21.48
Ohio Valley Electric Corp																		
1982	3,065	82.3	12,016	9.6	3.7	36.92	25.89	34.97	-	-	-	-	-	-	-	-	-	-
1983	2,318	79.2	12,005	9.6	3.6	34.86	25.89	32.99	-	-	-	-	-	-	-	14	138,071	35.45
1984	2,968	78.9	12,056	9.6	3.6	37.49	24.84	34.83	-	-	-	-	-	-	-	6	138,071	36.40
1985	3,031	77.7	12,035	9.6	3.6	40.43	24.80	36.94	-	-	-	-	-	-	-	5	138,071	34.98
1986	3,142	73.7	11,985	9.7	3.6	39.73	24.51	35.73	-	-	-	-	-	-	-	6	138,071	27.21
Oklahoma Gas & Electric Co																		
1982	5,278	100.0	8,845	5.0	.4	25.88	-	25.88	-	-	-	-	-	-	-	-	-	-
1983	4,837	100.0	8,862	4.9	.3	27.30	-	27.30	-	-	-	-	-	-	-	5	138,000	34.22
1984	6,253	92.1	8,824	5.0	.3	28.73	24.22	28.37	-	-	-	-	-	-	-	10	140,000	33.43
1985	6,509	86.7	8,867	4.9	.3	29.11	24.85	28.54	-	-	-	-	-	-	-	15	137,758	29.96
1986	5,806	96.2	8,980	4.9	.4	28.58	31.21	28.68	-	-	-	-	-	-	-	30	137,138	13.23
Omaha Public Power District																		
1982	2,119	85.5	8,700	5.7	.5	20.91	33.72	22.76	-	-	-	-	-	-	-	2	138,000	38.32
1983	2,261	100.0	8,712	5.9	.4	24.62	-	24.62	-	-	-	-	-	-	-	5	137,500	34.18
1984	2,126	100.0	8,580	5.8	.4	25.29	-	25.29	-	-	-	-	-	-	-	-	-	-
1985	2,421	75.8	8,266	5.5	.5	20.13	14.03	18.65	-	-	-	-	-	-	-	-	-	-
1986	2,264	76.8	8,311	4.7	.3	16.39	10.64	15.05	-	-	-	-	-	-	-	-	-	-
Orange & Rockland Utils Inc																		
1982	-	-	-	-	-	-	-	-	5,340	100.0	147,374	.5	31.67	-	31.67	-	-	-
1983	-	-	-	-	-	-	-	-	5,364	94.1	146,959	.4	29.34	29.28	29.33	-	-	-
1984	-	-	-	-	-	-	-	-	4,910	95.4	146,859	.3	31.11	31.39	31.12	-	-	-
1985	-	-	-	-	-	-	-	-	2,776	55.1	146,814	.3	30.40	28.11	29.37	-	-	-
1986	-	-	-	-	-	-	-	-	4,933	-	147,136	.3	-	16.51	16.51	-	-	-
Orlando City of																		
1982	-	-	-	-	-	-	-	-	1,007	100.0	149,481	1.6	27.86	-	27.86	1	138,351	49.70

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
New York State Elec & Gas Corp																
1982	-	-	-	-	-	-	59,724	-	-	100	-	-	102,680	102,680	-	-
1983	-	-	-	-	-	-	59,907	84	-	100	0	-	100,066	99,512	554	-
1984	-	-	-	-	-	-	84,232	519	-	99	1	-	145,883	142,513	3,370	-
1985	-	-	-	-	-	-	93,518	274	-	100	0	-	156,342	154,626	1,716	-
1986	-	-	-	-	-	-	79,024	249	-	100	0	-	129,235	128,270	965	-
Niagara Mohawk Power Corp																
1982	20,236	1,030	3.91	-	3.91	-	80,276	38,758	20,835	57	28	15	422,045	154,200	188,645	79,199
1983	19,179	1,022	4.00	-	4.00	-	75,961	26,761	19,610	62	22	16	357,137	144,280	136,081	76,776
1984	21,702	1,027	3.86	-	3.86	-	86,974	29,487	22,280	63	21	16	403,648	166,849	152,999	83,799
1985	17,275	1,032	3.79	-	3.79	-	72,093	19,689	17,825	66	18	16	292,811	129,616	97,745	65,451
1986	3,121	1,032	3.60	-	3.60	-	63,704	49,091	3,221	55	42	3	232,511	106,269	115,011	11,231
Northern Indiana Pub Serv Co																
1982	2,290	1,000	-	3.57	3.57	100.0	90,834	-	2,290	98	-	2	234,327	226,151	-	8,177
1983	2,282	1,000	-	4.24	4.24	100.0	88,539	-	2,282	97	-	3	233,686	224,020	-	9,666
1984	807	1,000	-	4.14	4.14	100.0	128,526	-	807	99	-	1	311,123	307,783	-	3,340
1985	724	1,000	-	4.16	4.16	100.0	82,455	281	724	99	0	1	205,281	200,436	1,831	3,014
1986	708	1,000	-	4.75	4.75	100.0	81,781	116	708	99	0	1	163,352	159,309	678	3,365
Northern States Power Co																
1982	308	1,013	3.62	-	3.62	-	132,674	-	313	100	-	0	169,996	168,880	-	1,116
1983	309	1,037	4.04	-	4.04	-	120,154	-	321	100	-	0	169,711	168,460	-	1,251
1984	251	1,005	3.84	-	3.84	-	131,774	-	253	100	-	0	185,564	184,599	-	966
1985	317	1,004	3.69	-	3.69	-	124,794	-	318	100	-	0	178,684	177,516	-	1,168
1986	481	998	3.20	-	3.20	-	111,539	-	480	100	-	0	145,209	143,672	-	1,537
Ohio Edison Co																
1982	-	-	-	-	-	-	153,946	287	-	100	0	-	246,465	244,315	2,150	-
1983	-	-	-	-	-	-	153,910	375	-	100	0	-	212,580	209,370	3,210	-
1984	-	-	-	-	-	-	172,284	283	-	100	0	-	242,309	239,323	2,987	-
1985	-	-	-	-	-	-	177,499	241	-	100	0	-	243,165	241,251	1,914	-
1986	-	-	-	-	-	-	196,222	76	-	100	0	-	260,513	260,250	263	-
Ohio Power Co																
1982	-	-	-	-	-	-	289,173	-	-	100	-	-	517,490	517,490	-	-
1983	-	-	-	-	-	-	261,857	585	-	100	0	-	493,249	489,613	3,637	-
1984	-	-	-	-	-	-	339,980	715	-	100	0	-	629,051	624,601	4,450	-
1985	-	-	-	-	-	-	316,425	810	-	100	0	-	578,653	573,833	4,819	-
1986	-	-	-	-	-	-	300,303	778	-	100	0	-	542,478	539,581	2,897	-
Ohio Valley Electric Corp																
1982	-	-	-	-	-	-	73,657	-	-	100	-	-	107,173	107,173	-	-
1983	-	-	-	-	-	-	55,653	83	-	100	0	-	76,973	76,465	508	-
1984	-	-	-	-	-	-	71,566	36	-	100	0	-	103,602	103,373	229	-
1985	-	-	-	-	-	-	72,959	28	-	100	0	-	112,137	111,967	170	-
1986	-	-	-	-	-	-	75,314	33	-	100	0	-	112,424	112,269	155	-
Oklahoma Gas & Electric Co																
1982	129,751	1,037	-	2.12	2.12	100.0	93,364	-	134,552	41	-	59	411,281	136,590	-	274,691
1983	136,790	1,037	-	2.43	2.43	100.0	85,731	30	141,852	38	0	62	464,342	132,062	174	332,106
1984	117,125	1,037	-	2.78	2.78	100.0	110,353	58	121,459	48	0	52	503,486	177,402	331	325,753
1985	106,469	1,037	-	3.22	3.22	100.0	115,428	88	110,408	51	0	49	529,160	185,790	454	342,916
1986	104,344	1,037	-	2.78	2.78	100.0	104,276	172	108,204	49	0	51	456,769	166,514	396	289,860
Omaha Public Power District																
1982	143	994	3.69	-	3.69	-	36,865	14	142	100	0	0	48,842	48,221	94	527
1983	172	990	4.21	-	4.21	-	39,402	31	170	99	0	0	56,580	55,671	185	724
1984	199	984	4.06	-	4.06	-	36,474	-	196	99	-	1	54,558	53,750	-	808
1985	276	992	3.92	-	3.92	-	40,028	-	274	99	-	1	46,246	45,165	-	1,081
1986	405	1,005	3.29	-	3.29	-	37,629	-	408	99	-	1	35,407	34,074	-	1,332
Orange & Rockland Utils Inc																
1982	16,972	1,028	3.88	-	3.88	-	-	33,056	17,445	-	65	35	234,984	-	169,154	65,829
1983	17,624	1,027	3.78	-	3.78	-	-	33,110	18,105	-	65	35	224,046	-	157,357	66,690
1984	23,540	1,029	3.79	-	3.79	-	-	30,286	24,220	-	56	44	242,050	-	152,816	89,235
1985	32,107	1,033	3.36	-	3.36	-	-	17,115	33,166	-	34	66	189,465	-	81,531	107,934
1986	25,410	1,034	2.33	-	2.33	-	-	30,488	26,275	-	54	46	140,683	-	81,432	59,251
Orlando City of																
1982	17,940	1,033	3.11	-	3.11	-	-	6,325	18,535	-	25	75	83,853	-	28,091	55,762

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Orlando City of																		
1983	-	-	-	-	-	-	-	-	116	100.0	150,378	1.5	25.65	-	25.65	-	-	-
1984	-	-	-	-	-	-	-	-	171	-	153,878	1.6	-	26.69	26.69	-	-	-
1985	-	-	-	-	-	-	-	-	210	-	153,695	1.0	-	24.06	24.06	-	-	-
1986	-	-	-	-	-	-	-	-	1,130	-	151,276	1.2	-	12.77	12.77	-	-	-
Orrville City of																		
1982	92	100.0	12,420	9.6	3.5	36.31	-	36.31	-	-	-	-	-	-	-	-	-	-
Otter Tail Power Co																		
1982	2,453	100.0	6,290	7.9	.9	15.20	-	15.20	-	-	-	-	-	-	-	12	138,000	37.64
1983	2,235	100.0	6,225	7.5	.9	15.31	-	15.31	-	-	-	-	-	-	-	30	138,000	32.96
1984	2,525	100.0	6,172	7.9	.8	15.45	-	15.45	-	-	-	-	-	-	-	13	138,000	35.02
1985	2,485	92.3	6,210	7.8	.9	15.84	14.04	15.70	-	-	-	-	-	-	-	18	140,000	34.14
1986	2,094	100.0	6,173	8.0	.9	16.09	-	16.09	-	-	-	-	-	-	-	23	140,000	21.66
Owensboro City of																		
1982	1,058	100.0	10,704	11.6	2.6	34.14	-	34.14	-	-	-	-	-	-	-	-	-	-
1983	880	100.0	10,773	11.6	2.9	34.67	-	34.67	-	-	-	-	-	-	-	2	140,000	34.82
1984	928	100.0	10,763	12.4	2.8	37.27	-	37.27	-	-	-	-	-	-	-	4	140,000	35.50
1985	674	100.0	10,805	11.8	2.9	36.94	-	36.94	-	-	-	-	-	-	-	3	140,000	33.40
1986	813	100.0	10,839	11.7	2.9	33.90	-	33.90	-	-	-	-	-	-	-	4	140,000	21.09
Pacific Gas & Electric Co																		
1982	-	-	-	-	-	-	-	-	1,870	97.3	147,942	.4	36.54	39.80	36.63	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	37	100.0	153,239	.0	39.16	-	39.16	-	-	-
1985	-	-	-	-	-	-	-	-	409	100.0	153,007	.2	26.15	-	26.15	-	-	-
1986	-	-	-	-	-	-	-	-	553	100.0	148,394	.5	13.94	-	13.94	-	-	-
Pacific Power & Light Co																		
1982	15,589	100.0	8,463	11.6	.6	15.17	-	15.17	-	-	-	-	-	-	-	-	-	-
1983	12,016	100.0	8,472	11.2	.6	18.56	-	18.56	-	-	-	-	-	-	-	110	140,325	37.56
1984	13,216	96.8	8,478	10.8	.6	19.64	16.16	19.52	-	-	-	-	-	-	-	85	139,774	37.19
1985	17,200	100.0	8,617	10.8	.6	19.07	-	19.07	-	-	-	-	-	-	-	99	139,949	34.68
1986	15,851	98.5	8,574	11.3	.6	20.06	19.33	20.05	-	-	-	-	-	-	-	97	140,155	21.27
Painesville City of																		
1982	70	100.0	12,314	8.0	2.3	39.43	-	39.43	-	-	-	-	-	-	-	-	-	-
1983	81	-	12,388	7.7	2.5	-	35.18	35.18	-	-	-	-	-	-	-	-	-	-
1984	68	-	12,157	8.7	2.0	-	36.26	36.26	-	-	-	-	-	-	-	-	-	-
1985	64	-	12,339	7.3	2.4	-	33.56	33.56	-	-	-	-	-	-	-	-	-	-
1986	70	-	12,253	7.8	2.3	-	33.13	33.13	-	-	-	-	-	-	-	-	-	-
Pasadena City of																		
1982	-	-	-	-	-	-	-	-	16	100.0	147,380	.3	38.81	-	38.81	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	12	100.0	145,238	.2	35.06	-	35.06	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	18	100.0	147,140	.2	35.00	-	35.00	8	138,214	27.80
Pennsylvania Electric Co																		
1982	13,812	80.0	11,871	17.4	1.9	33.49	33.04	33.40	-	-	-	-	-	-	-	387	138,658	41.97
1983	15,120	80.9	12,029	17.0	1.9	30.75	28.24	30.27	-	-	-	-	-	-	-	343	138,800	36.85
1984	16,553	84.9	12,038	16.1	1.9	33.36	35.09	33.62	-	-	-	-	-	-	-	329	138,800	36.38
1985	15,100	89.4	12,101	15.6	1.8	33.36	31.56	33.17	-	-	-	-	-	-	-	269	138,800	34.02
1986	15,705	90.7	12,126	15.6	1.9	33.27	27.27	32.71	-	-	-	-	-	-	-	248	138,800	21.57
Pennsylvania Power & Light Co																		
1982	[1] 9,438	87.6	12,177	15.2	1.8	44.69	33.71	43.33	5,515	100.0	147,906	.9	30.94	-	30.94	356	138,819	41.22
1983	[1] 9,929	86.4	12,211	14.5	1.7	42.47	27.91	40.48	8,416	94.8	150,172	.9	28.17	26.14	28.06	449	140,329	35.06
1984	[1] 10,622	79.3	12,368	13.4	1.7	46.38	34.56	43.93	7,413	96.3	150,057	.9	30.07	29.97	30.07	334	137,946	35.17
1985	[1] 8,944	85.0	12,292	13.7	1.6	45.84	25.50	42.78	7,547	96.2	149,361	.9	26.95	24.84	26.87	370	139,370	34.05
1986	[1] 9,193	72.9	12,331	13.7	1.7	44.73	31.28	41.08	9,087	52.3	150,009	.9	15.69	14.08	14.92	496	139,776	21.79
Pennsylvania Power Co																		
1982	6,106	54.0	12,027	12.7	3.1	57.20	31.42	45.33	-	-	-	-	-	-	-	130	138,522	40.27
1983	4,835	74.9	12,243	11.7	3.2	54.29	30.13	48.24	-	-	-	-	-	-	-	99	137,964	35.55
1984	6,554	70.0	12,094	12.2	3.3	48.38	29.22	42.63	-	-	-	-	-	-	-	92	138,160	35.63
1985	6,359	57.3	12,081	11.9	3.4	51.48	27.15	41.10	-	-	-	-	-	-	-	9	136,794	35.28
1986	7,469	42.7	12,114	11.6	3.4	47.58	29.74	37.36	-	-	-	-	-	-	-	27	138,677	20.37

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Orlando City of																
1983	16,476	1,025	3.12	-	3.12	-	-	730	16,880	-	4	96	54,368	-	2,964	51,404
1984	13,166	1,027	3.25	-	3.25	-	-	1,102	13,516	-	8	92	47,401	-	4,552	42,849
1985	12,166	1,027	3.22	-	3.22	-	-	1,353	12,497	-	10	90	44,192	-	5,044	39,148
1986	15,053	1,022	2.21	-	2.21	-	-	7,182	15,383	-	32	68	47,702	-	14,435	33,267
Orrville City of																
1982	-	-	-	-	-	-	2,278	-	-	100	-	-	3,330	3,330	-	-
Otter Tail Power Co																
1982	-	-	-	-	-	-	30,858	67	-	100	0	-	37,729	37,294	436	-
1983	-	-	-	-	-	-	27,827	172	-	99	1	-	35,198	34,220	978	-
1984	-	-	-	-	-	-	31,172	75	-	100	0	-	39,464	39,010	454	-
1985	-	-	-	-	-	-	30,860	103	-	100	0	-	39,611	39,012	599	-
1986	-	-	-	-	-	-	25,851	135	-	99	1	-	34,190	33,693	497	-
Owensboro City of																
1982	-	-	-	-	-	-	22,650	-	-	100	-	-	36,117	36,117	-	-
1983	-	-	-	-	-	-	18,962	14	-	100	0	-	30,591	30,511	80	-
1984	-	-	-	-	-	-	19,973	22	-	100	0	-	34,716	34,585	131	-
1985	-	-	-	-	-	-	14,558	15	-	100	0	-	24,975	24,889	86	-
1986	-	-	-	-	-	-	17,627	21	-	100	0	-	27,642	27,566	77	-
Pacific Gas & Electric Co																
1982	201,711	1,054	5.35	-	5.35	-	-	12,850	212,533	-	6	94	1,154,927	-	76,119	1,078,808
1983	169,831	1,047	5.63	-	5.63	-	-	3,344	177,826	-	2	98	976,017	-	20,389	955,628
1984	242,594	1,051	5.68	-	5.68	-	-	3,353	255,064	-	1	99	1,398,489	-	20,433	1,378,056
1985	262,499	1,048	5.14	5.78	5.14	0.0	-	2,958	275,056	-	1	99	1,361,993	-	12,117	1,349,876
1986	152,531	1,039	3.35	-	3.35	-	-	3,445	158,488	-	2	98	518,527	-	7,704	510,823
Pacific Power & Light Co																
1982	-	-	-	-	-	-	263,870	-	-	100	-	-	236,500	236,500	-	-
1983	-	-	-	-	-	-	203,593	648	-	100	0	-	227,175	223,044	4,132	-
1984	-	-	-	-	-	-	224,078	499	-	100	0	-	261,204	258,042	3,161	-
1985	-	-	-	-	-	-	296,427	582	-	100	0	-	331,427	327,994	3,433	-
1986	-	-	-	-	-	-	271,812	571	-	100	0	-	319,821	317,757	2,064	-
Painesville City of																
1982	-	-	-	-	-	-	1,720	-	-	100	-	-	2,754	2,754	-	-
1983	-	-	-	-	-	-	2,006	-	-	100	-	-	2,849	2,849	-	-
1984	43	1,000	-	4.71	4.71	100.0	1,661	-	43	97	-	3	2,680	2,477	-	203
1985	17	1,000	-	4.69	4.69	100.0	1,578	-	17	99	-	1	2,227	2,146	-	81
1986	8	1,000	-	4.68	4.68	100.0	1,723	-	8	100	-	0	2,365	2,330	-	35
Pasadena City of																
1982	3,717	1,046	5.25	-	5.25	-	-	98	3,887	-	2	98	20,112	-	613	19,499
1983	3,543	1,033	4.69	-	4.69	-	-	-	3,661	-	-	100	16,610	-	-	16,610
1984	3,772	1,040	5.07	-	5.07	-	-	71	3,925	-	2	98	19,544	-	407	19,137
1985	3,422	1,045	4.66	-	4.66	-	-	-	3,576	-	-	100	15,948	-	-	15,948
1986	3,789	1,036	2.35	-	2.35	-	-	161	3,925	-	4	96	9,788	-	869	8,919
Pennsylvania Electric Co																
1982	-	-	-	-	-	-	327,918	2,255	-	99	1	-	477,575	461,326	16,249	-
1983	-	-	-	-	-	-	363,754	2,000	-	99	1	-	470,358	457,719	12,639	-
1984	-	-	-	-	-	-	398,524	1,918	-	100	0	-	568,436	556,466	11,970	-
1985	-	-	-	-	-	-	365,458	1,568	-	100	0	-	509,951	500,800	9,151	-
1986	-	-	-	-	-	-	380,874	1,446	-	100	0	-	519,099	513,750	5,349	-
Pennsylvania Power & Light Co																
1982	-	-	-	-	-	-	229,862	36,335	-	86	14	-	594,204	408,920	185,283	-
1983	-	-	-	-	-	-	242,482	55,728	-	81	19	-	653,847	401,932	251,915	-
1984	-	-	-	-	-	-	262,743	48,655	-	84	16	-	701,287	466,652	234,635	-
1985	-	-	-	-	-	-	219,888	49,509	-	82	18	-	598,030	382,647	215,383	-
1986	-	-	-	-	-	-	226,723	60,163	-	79	21	-	524,098	377,686	146,412	-
Pennsylvania Power Co																
1982	-	-	-	-	-	-	146,863	755	-	99	1	-	282,010	276,786	5,225	-
1983	-	-	-	-	-	-	118,380	572	-	100	0	-	236,715	233,206	3,508	-
1984	-	-	-	-	-	-	158,525	536	-	100	0	-	282,705	279,414	3,292	-
1985	-	-	-	-	-	-	153,658	54	-	100	0	-	261,726	261,394	332	-
1986	-	-	-	-	-	-	180,969	160	-	100	0	-	279,607	279,047	560	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Philadelphia Electric Co																		
1982	1,217	31.2	12,943	8.5	1.7	50.07	49.49	49.67	3,034	91.3	148,804	0.5	31.90	30.58	31.79	4	139,054	41.12
1983	896	18.9	13,080	8.3	1.7	43.80	42.03	42.37	5,081	95.8	149,681	.5	29.50	29.80	29.52	-	-	-
1984	1,280	39.6	13,064	8.3	1.8	44.48	47.85	46.52	6,954	97.7	149,067	.4	30.48	30.31	30.48	-	-	-
1985	1,233	5.9	13,068	8.1	1.5	47.59	44.81	44.97	4,944	97.9	149,297	.5	27.43	28.26	27.45	-	-	-
1986	585	-	13,055	7.6	1.5	-	40.41	40.41	4,904	96.5	148,615	.5	15.77	14.71	15.74	-	-	-
Plains Elec Gen&Trans Coop Inc																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	265	100.0	9,977	8.8	.5	38.03	-	38.03	-	-	-	-	-	-	-	-	-	-
1985	967	100.0	9,523	14.2	.7	32.30	-	32.30	-	-	-	-	-	-	-	-	-	-
1986	605	100.0	9,478	13.9	.8	31.18	-	31.18	-	-	-	-	-	-	-	-	-	-
Platte River Power Authority																		
1983	149	100.0	8,831	4.9	.3	15.66	-	15.66	-	-	-	-	-	-	-	8	129,109	35.64
1984	907	100.0	8,839	5.0	.3	15.69	-	15.69	-	-	-	-	-	-	-	20	137,590	35.44
1985	1,160	100.0	8,917	4.8	.3	15.59	-	15.59	-	-	-	-	-	-	-	-	-	-
1986	1,046	100.0	8,845	4.8	.3	18.90	-	18.90	-	-	-	-	-	-	-	-	-	-
Portland General Electric Co																		
1982	1,135	100.0	8,306	5.1	.4	28.50	-	28.50	-	-	-	-	-	-	-	16	137,000	41.56
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	137,000	34.94
1984	352	100.0	8,327	4.8	.3	33.24	-	33.24	-	-	-	-	-	-	-	10	138,247	33.37
1985	53	100.0	8,292	4.3	.3	33.12	-	33.12	-	-	-	-	-	-	-	15	138,800	33.03
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	138,800	18.90
Potomac Edison Co																		
1982	233	100.0	12,726	13.3	1.0	43.78	-	43.78	-	-	-	-	-	-	-	3	141,000	42.08
1983	192	100.0	12,685	13.2	.9	43.96	-	43.96	-	-	-	-	-	-	-	0	141,000	35.35
1984	218	100.0	12,610	13.5	.9	41.30	-	41.30	-	-	-	-	-	-	-	4	141,000	35.93
1985	178	61.9	12,452	12.9	1.0	39.85	30.28	36.21	-	-	-	-	-	-	-	6	141,000	34.21
1986	164	36.6	12,536	11.5	.9	35.49	29.40	31.63	-	-	-	-	-	-	-	5	141,000	21.93
Potomac Electric Power Co																		
1982	5,885	62.2	12,442	12.2	1.6	48.08	48.29	48.16	[2] 1,823	100.0	148,159	1.5	28.69	-	28.69	568	137,757	40.47
1983	5,670	72.0	12,632	11.6	1.5	44.51	41.71	43.72	[2] 1,357	84.3	148,229	1.1	30.78	31.32	30.87	666	138,061	34.18
1984	6,993	64.8	12,539	11.7	1.6	44.72	44.46	44.63	[2] 3,014	92.9	149,322	1.4	30.52	30.42	30.51	478	138,041	33.92
1985	[1] 5,443	81.2	12,613	11.1	1.5	44.05	42.45	43.75	[2] 2,804	100.0	150,115	1.3	25.87	-	25.87	609	138,107	32.14
1986	5,764	81.4	12,637	11.1	1.5	42.65	39.12	41.99	[2] 3,066	100.0	148,417	1.4	14.67	-	14.67	570	138,337	19.69
Power Authority of State of NY																		
1982	-	-	-	-	-	-	-	-	2,843	80.1	146,938	.3	33.83	29.81	33.03	-	-	-
1983	-	-	-	-	-	-	-	-	3,175	40.8	146,209	.3	30.90	29.75	30.22	-	-	-
1984	-	-	-	-	-	-	-	-	1,158	-	145,951	.3	-	32.02	32.02	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	2,157	-	147,002	.3	-	16.10	16.10	-	-	-
Public Service Co of Colorado																		
1982	6,779	97.0	9,431	6.7	.4	22.30	30.96	22.56	-	-	-	-	-	-	-	35	137,036	41.34
1983	6,888	96.5	9,395	6.5	.4	22.61	28.65	22.82	72	-	146,797	.8	-	28.48	28.48	4	136,606	35.78
1984	7,297	94.9	9,279	6.1	.4	22.66	28.47	22.96	26	-	145,411	.8	-	28.34	28.34	7	134,419	31.50
1985	6,804	91.8	9,369	6.4	.4	22.83	26.06	23.10	0	-	147,212	.7	-	24.76	24.76	22	136,805	34.62
1986	6,171	97.3	9,302	6.1	.4	23.52	26.07	23.59	-	-	-	-	-	-	-	28	137,394	19.07
Public Service Co of IN Inc																		
1982	11,394	95.2	10,682	11.0	2.4	30.77	27.23	30.60	-	-	-	-	-	-	-	157	137,000	40.03
1983	10,712	96.9	10,702	10.8	2.4	29.30	27.12	29.23	-	-	-	-	-	-	-	160	137,000	34.56
1984	15,315	81.6	10,760	10.9	2.5	30.00	27.63	29.57	-	-	-	-	-	-	-	110	137,000	34.56
1985	12,401	96.5	10,785	10.7	2.4	30.87	29.51	30.83	-	-	-	-	-	-	-	121	137,000	33.24
1986	11,150	97.7	10,723	10.7	2.4	31.63	31.73	31.63	-	-	-	-	-	-	-	129	137,000	21.21
Public Service Co of NH																		
1982	862	98.0	13,520	7.9	2.4	50.92	51.94	50.94	2,833	72.7	149,935	1.9	26.26	25.17	25.96	16	137,704	40.45
1983	1,016	100.0	13,547	7.8	2.5	52.50	-	52.50	2,647	55.8	151,007	1.9	26.11	27.07	26.53	21	138,014	35.39
1984	1,207	100.0	13,541	7.7	2.5	54.20	-	54.20	3,310	76.2	154,653	1.9	27.90	27.86	27.89	25	137,378	35.64
1985	1,433	100.0	13,452	7.7	2.1	54.05	-	54.05	2,238	78.1	156,170	1.9	24.48	21.02	23.72	23	137,154	33.38
1986	952	90.5	13,443	7.4	2.0	52.85	59.84	53.51	4,646	68.2	154,806	1.8	12.90	11.41	12.43	17	137,561	20.87
Public Service Co of NM																		
1982	5,071	100.0	9,600	20.0	.8	18.67	-	18.67	[2] 118	100.0	142,248	.1	34.68	-	34.68	108	136,790	40.13
1983	6,124	100.0	9,404	20.0	.8	18.14	-	18.14	[2] 34	100.0	149,413	.1	25.21	-	25.21	38	136,454	35.22
1984	6,054	100.0	9,382	20.5	.8	20.15	-	20.15	[2] 30	100.0	148,646	.5	29.33	-	29.33	29	137,095	35.80

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," and predecessor forms.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Philadelphia Electric Co																
1982	-	-	-	-	-	-	31,503	18,985	-	62	38	-	157,050	60,446	96,604	-
1983	-	-	-	-	-	-	23,440	31,942	-	42	58	-	187,933	37,960	149,972	-
1984	-	-	-	-	-	-	33,445	43,538	-	43	57	-	271,493	59,541	211,952	-
1985	-	-	-	-	-	-	32,225	31,001	-	51	49	-	191,176	55,453	135,722	-
1986	-	-	-	-	-	-	15,274	30,610	-	33	67	-	100,812	23,638	77,174	-
Plains Elec Gen&Trans Coop Inc																
1982	58	888	3.19	-	3.19	-	-	-	51	-	-	100	185	-	-	185
1984	405	1,070	3.17	-	3.17	-	5,283	-	433	92	-	8	11,351	10,069	-	1,282
1985	45	1,052	3.83	-	3.83	-	18,419	-	47	100	-	0	31,410	31,237	-	173
1986	60	920	4.28	-	4.28	-	11,468	-	55	100	-	0	19,121	18,864	-	257
Platte River Power Authority																
1983	-	-	-	-	-	-	2,639	42	-	98	2	-	2,614	2,340	274	-
1984	-	-	-	-	-	-	16,033	116	-	99	1	-	14,946	14,233	712	-
1985	-	-	-	-	-	-	20,690	-	-	100	-	-	18,084	18,084	-	-
1986	-	-	-	-	-	-	18,501	-	-	100	-	-	19,771	19,771	-	-
Portland General Electric Co																
1982	-	-	-	-	-	-	18,848	90	-	100	0	-	32,983	32,332	651	-
1983	-	-	-	-	-	-	-	23	-	-	100	-	140	-	140	-
1984	-	-	-	-	-	-	5,860	57	-	99	1	-	12,027	11,696	330	-
1985	-	-	-	-	-	-	874	90	-	91	9	-	2,254	1,745	509	-
1986	-	-	-	-	-	-	-	1	-	-	100	-	3	-	3	-
Potomac Edison Co																
1982	-	-	-	-	-	-	5,919	16	-	100	0	-	10,293	10,180	114	-
1983	-	-	-	-	-	-	4,873	2	-	100	0	-	8,452	8,442	9	-
1984	-	-	-	-	-	-	5,499	21	-	100	0	-	9,133	9,003	130	-
1985	-	-	-	-	-	-	4,427	33	-	99	1	-	6,628	6,436	192	-
1986	-	-	-	-	-	-	4,107	29	-	99	1	-	5,289	5,182	108	-
Potomac Electric Power Co																
1982	-	-	-	-	-	-	146,442	14,630	-	91	9	-	358,686	283,408	75,277	-
1983	-	-	-	-	-	-	143,248	12,310	-	92	8	-	312,557	247,908	64,649	-
1984	-	-	-	-	-	-	175,368	21,677	-	89	11	-	420,294	312,097	108,197	-
1985	-	-	-	-	-	-	137,311	21,212	-	87	13	-	330,238	238,133	92,105	-
1986	799	1,058	2.90	-	2.90	-	145,692	22,421	845	86	13	1	300,595	242,071	56,208	2,316
Power Authority of State of NY																
1982	18,492	1,031	4.72	5.10	4.72	0.0	-	17,542	19,059	-	48	52	181,222	-	93,885	87,336
1983	11,130	1,035	4.58	6.43	4.58	.1	-	19,497	11,521	-	63	37	146,935	-	95,948	50,987
1984	9,714	1,034	4.51	6.83	4.51	.0	-	7,098	10,046	-	41	59	80,874	-	37,076	43,798
1985	18,025	1,037	3.92	-	3.92	-	-	-	18,688	-	-	100	70,702	-	-	70,702
1986	9,029	1,036	2.22	5.68	2.22	.1	-	13,317	9,354	-	59	41	54,770	-	34,730	20,040
Public Service Co of Colorado																
1982	2,118	984	3.98	-	3.98	-	127,852	199	2,085	98	0	2	162,786	152,933	1,429	8,424
1983	968	990	4.16	-	4.16	-	129,415	464	957	99	0	1	163,411	157,208	2,178	4,025
1984	1,334	984	3.64	-	3.64	-	135,419	198	1,313	99	0	1	173,352	167,536	959	4,857
1985	1,008	994	3.32	-	3.32	-	127,487	125	1,002	99	0	1	161,248	157,150	753	3,345
1986	1,657	985	2.85	2.19	2.83	3.9	114,797	161	1,633	98	0	1	150,805	145,588	533	4,684
Public Service Co of IN Inc																
1982	-	-	-	-	-	-	243,408	904	-	100	0	-	354,930	348,641	6,289	-
1983	-	-	-	-	-	-	229,287	921	-	100	0	-	318,647	313,117	5,530	-
1984	-	-	-	-	-	-	329,580	633	-	100	0	-	456,650	452,848	3,802	-
1985	-	-	-	-	-	-	267,471	695	-	100	0	-	386,273	382,261	4,012	-
1986	-	-	-	-	-	-	239,138	743	-	100	0	-	355,416	352,676	2,740	-
Public Service Co of NH																
1982	-	-	-	-	-	-	23,309	17,933	-	57	43	-	118,104	43,913	74,191	-
1983	-	-	-	-	-	-	27,528	16,907	-	62	38	-	124,305	53,340	70,966	-
1984	66	1,027	4.02	-	4.02	-	32,698	21,639	67	60	40	0	158,885	65,445	93,177	263
1985	-	-	-	-	-	-	38,546	14,816	-	72	28	-	131,308	77,431	53,877	-
1986	-	-	-	-	-	-	25,605	30,307	-	46	54	-	109,050	50,962	58,088	-
Public Service Co of NM																
1982	3,503	1,055	3.71	-	3.71	-	97,373	1,326	3,695	95	1	4	116,092	94,685	8,424	12,983
1983	560	1,056	4.09	-	4.09	-	115,179	431	592	99	0	1	115,573	111,089	2,196	2,289
1984	101	1,068	5.40	-	5.40	-	113,594	359	108	100	0	0	124,496	122,004	1,945	547

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Public Service Co of NM																		
1985	6,804	100.0	9,528	20.0	0.7	21.13	-	21.13	[2] 33	100.0	146,628	0.6	23.64	-	23.64	36	136,244	36.17
1986	5,876	100.0	9,456	20.7	.8	25.06	-	25.06	36	84.9	147,165	1.0	10.71	7.25	10.19	51	136,007	21.64
Public Service Co of Oklahoma																		
1982	2,593	100.0	8,239	6.0	.4	29.84	-	29.84	-	-	-	-	-	-	-	-	-	-
1983	2,816	100.0	8,469	5.3	.4	32.22	-	32.22	-	-	-	-	-	-	-	2	132,346	32.47
1984	3,291	100.0	8,494	5.8	.4	34.14	-	34.14	-	-	-	-	-	-	-	1	138,690	39.11
1985	3,044	100.0	8,324	6.0	.4	33.77	-	33.77	-	-	-	-	-	-	-	-	-	-
1986	2,921	100.0	8,352	6.0	.4	32.42	-	32.42	-	-	-	-	-	-	-	-	-	-
Public Service Electric&Gas Co																		
1982	2,099	69.7	13,301	7.6	1.1	60.29	56.47	59.13	[2] 5,393	95.9	146,601	.3	33.14	31.20	33.06	-	-	-
1983	2,058	66.8	13,357	7.4	1.0	57.52	48.97	54.68	[2] 4,643	95.1	147,010	.3	30.27	29.02	30.21	-	-	-
1984	1,915	66.8	13,347	7.3	1.0	56.61	51.96	55.06	[2] 5,653	95.3	147,059	.3	30.86	29.40	30.80	-	-	-
1985	2,297	74.5	13,336	7.5	1.0	53.86	48.95	52.61	[2] 3,221	82.5	146,823	.3	28.90	26.51	28.49	-	-	-
1986	1,761	66.0	13,336	7.3	1.0	50.67	44.86	48.70	[2] 5,751	66.8	146,720	.3	14.45	13.93	14.28	15	138,259	18.67
Richmond City of																		
1982	208	91.7	11,371	10.7	2.4	41.53	32.47	40.78	-	-	-	-	-	-	-	-	-	-
1983	162	75.5	11,168	11.1	2.1	43.16	55.55	46.20	-	-	-	-	-	-	-	-	-	-
1984	209	71.1	11,044	10.9	1.8	41.65	33.74	39.37	-	-	-	-	-	-	-	-	-	-
1985	200	84.9	11,080	9.8	2.1	40.89	30.86	39.37	-	-	-	-	-	-	-	-	-	-
1986	192	89.2	11,099	10.7	2.2	39.69	30.60	38.70	-	-	-	-	-	-	-	-	-	-
Rochester City of																		
1982	208	99.3	12,330	8.0	2.0	49.41	47.59	49.40	-	-	-	-	-	-	-	-	-	-
1983	202	87.7	12,304	7.4	1.9	50.08	45.91	49.57	-	-	-	-	-	-	-	-	-	-
1984	116	73.1	12,297	7.6	1.7	50.88	49.59	50.53	-	-	-	-	-	-	-	-	-	-
1985	175	75.9	12,196	6.7	1.5	52.52	50.60	52.06	-	-	-	-	-	-	-	-	-	-
1986	113	100.0	12,250	7.1	1.6	51.64	-	51.64	-	-	-	-	-	-	-	-	-	-
Rochester Gas & Electric Corp																		
1982	790	44.2	12,770	10.5	2.3	47.92	45.67	46.66	254	-	150,825	1.6	-	26.91	26.91	-	-	-
1983	831	44.6	12,898	8.9	2.2	48.31	44.15	46.00	229	-	150,415	1.7	-	24.91	24.91	-	-	-
1984	836	58.4	12,939	8.1	2.3	48.66	43.67	46.59	132	-	149,928	1.7	-	28.52	28.52	-	-	-
1985	779	60.0	13,055	7.9	2.2	48.30	44.07	46.61	43	46.2	150,834	1.9	26.78	27.64	27.24	-	-	-
1986	548	94.3	13,087	7.9	2.3	46.28	43.25	46.11	-	-	-	-	-	-	-	-	-	-
Ruston City of																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S Mississippi Elec Pwr Assn																		
1982	854	100.0	12,263	9.7	1.0	56.12	-	56.12	-	-	-	-	-	-	-	4	138,250	40.42
1983	970	100.0	12,349	9.0	1.0	54.43	-	54.43	-	-	-	-	-	-	-	-	-	-
1984	863	100.0	12,327	8.5	.9	54.48	-	54.48	-	-	-	-	-	-	-	16	138,523	35.44
1985	922	100.0	12,355	8.2	.9	55.96	-	55.96	-	-	-	-	-	-	-	3	141,600	38.30
1986	823	38.0	12,536	8.2	.9	56.00	52.27	53.69	-	-	-	-	-	-	-	8	140,009	20.52
Salt River Proj Ag I & P Dist																		
1982	9,013	99.4	10,916	10.0	.5	22.48	26.04	22.51	-	-	-	-	-	-	-	75	140,174	43.02
1983	8,962	70.2	10,970	9.8	.5	24.72	26.24	25.18	-	-	-	-	-	-	-	90	139,733	36.80
1984	9,280	100.0	10,940	9.8	.5	23.73	-	23.73	-	-	-	-	-	-	-	149	140,538	36.13
1985	8,880	100.0	10,928	9.7	.5	23.94	-	23.94	-	-	-	-	-	-	-	128	140,247	37.15
1986	8,620	100.0	10,873	10.0	.5	25.59	-	25.59	35	-	150,554	.8	-	22.22	22.22	153	138,693	21.68
San Antonio City of																		
1982	3,050	100.0	8,443	5.7	.3	36.51	-	36.51	-	-	-	-	-	-	-	-	-	-
1983	3,519	100.0	8,410	5.7	.3	35.53	-	35.53	-	-	-	-	-	-	-	-	-	-
1984	3,449	100.0	8,347	6.1	.3	35.53	-	35.53	-	-	-	-	-	-	-	-	-	-
1985	3,540	100.0	8,297	5.9	.4	35.35	-	35.35	-	-	-	-	-	-	-	-	-	-
1986	2,813	92.9	8,273	5.9	.4	28.71	26.54	28.56	-	-	-	-	-	-	-	566	139,807	15.56
San Diego Gas & Electric Co																		
1982	-	-	-	-	-	-	-	-	6,331	100.0	149,400	.5	45.54	-	45.54	1	140,378	44.16
1983	-	-	-	-	-	-	-	-	4,182	97.0	148,953	.5	41.31	27.60	40.90	-	-	-
1984	-	-	-	-	-	-	-	-	1,071	39.1	147,148	.4	39.11	29.31	33.14	-	-	-
1985	-	-	-	-	-	-	-	-	772	-	148,642	.3	-	24.75	24.75	-	-	-
1986	-	-	-	-	-	-	-	-	3,402	-	146,909	.3	-	13.44	13.44	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Public Service Co of NM																
1985	1,377	1,097	4.05	-	4.05	-	129,651	407	1,510	99	0	1	151,402	143,755	2,073	5,574
1986	907	1,138	2.26	-	2.26	-	111,133	510	1,032	99	0	1	150,770	147,261	1,460	2,050
Public Service Co of Oklahoma																
1982	95,584	1,058	-	2.15	2.15	100.0	42,727	-	101,087	30	-	70	282,465	77,376	-	205,089
1983	88,823	1,053	-	2.56	2.56	100.0	47,697	11	91,436	34	0	66	313,382	90,737	65	222,580
1984	88,328	1,047	-	2.71	2.71	100.0	55,905	4	92,487	38	0	62	351,768	112,369	27	239,371
1985	81,297	1,054	-	2.87	2.87	100.0	50,676	-	85,717	37	-	63	336,136	102,799	-	233,337
1986	75,204	1,053	-	2.86	2.86	100.0	48,790	-	79,165	38	-	62	309,830	94,701	-	215,129
Public Service Electric&Gas Co																
1982	38,701	1,034	4.13	-	4.13	-	55,845	33,209	40,024	43	26	31	462,151	124,142	178,314	159,695
1983	60,372	1,039	4.21	-	4.21	-	54,975	28,668	62,728	38	20	43	506,955	112,538	140,242	254,175
1984	61,028	1,037	4.51	-	4.51	-	51,129	34,918	63,306	34	23	42	554,939	105,461	174,098	275,379
1985	34,109	1,051	4.25	-	4.25	-	61,259	19,865	35,838	52	17	31	357,710	120,834	91,764	145,112
1986	19,111	1,036	2.62	-	2.62	-	46,963	35,530	19,800	46	35	19	218,128	85,741	82,387	50,000
Richmond City of																
1982	-	-	-	-	-	-	4,726	-	-	100	-	-	8,473	8,473	-	-
1983	-	-	-	-	-	-	3,625	-	-	100	-	-	7,498	7,498	-	-
1984	-	-	-	-	-	-	4,626	-	-	100	-	-	8,245	8,245	-	-
1985	-	-	-	-	-	-	4,438	-	-	100	-	-	7,884	7,884	-	-
1986	-	-	-	-	-	-	4,256	-	-	100	-	-	7,420	7,420	-	-
Rochester City of																
1982	69	1,005	-	4.27	4.27	100.0	5,139	-	70	99	-	1	10,591	10,295	-	296
1983	59	1,029	-	5.50	5.50	100.0	4,961	-	61	99	-	1	10,319	9,993	-	326
1984	67	1,001	-	5.35	5.35	100.0	2,865	-	67	98	-	2	6,244	5,887	-	357
1985	67	1,003	-	5.14	5.14	100.0	4,271	-	67	98	-	2	9,458	9,115	-	343
1986	75	995	-	4.66	4.66	100.0	2,761	-	75	97	-	3	6,170	5,820	-	350
Rochester Gas & Electric Corp																
1982	-	-	-	-	-	-	20,177	1,608	-	93	7	-	43,695	36,862	6,833	-
1983	-	-	-	-	-	-	21,442	1,449	-	94	6	-	43,948	38,236	5,712	-
1984	1,100	1,029	-	4.27	4.27	100.0	21,644	829	1,132	92	4	5	47,424	38,965	3,756	4,704
1985	823	1,021	-	4.17	4.17	100.0	20,353	274	841	95	1	4	40,944	36,329	1,179	3,435
1986	112	1,027	-	4.21	4.21	100.0	14,338	-	115	99	-	1	25,732	25,261	-	471
Ruston City of																
1982	1,843	1,057	3.68	-	3.68	-	-	-	1,947	-	-	100	6,787	-	-	6,787
1983	1,091	1,083	3.97	3.63	3.91	17.2	-	-	1,181	-	-	100	4,265	-	-	4,265
1984	1,217	1,062	-	3.59	3.59	100.0	-	-	1,293	-	-	100	4,371	-	-	4,371
1985	632	1,033	-	3.46	3.46	100.0	-	-	653	-	-	100	2,187	-	-	2,187
1986	1,489	1,035	-	2.60	2.60	100.0	-	-	1,541	-	-	100	3,871	-	-	3,871
S Mississippi Elec Pwr Assn																
1982	1,876	1,007	-	4.10	4.10	100.0	20,943	26	1,890	92	0	8	55,791	47,918	178	7,695
1983	113	1,029	-	4.81	4.81	100.0	23,959	-	116	100	-	0	53,350	52,806	-	544
1984	263	1,030	-	3.97	3.97	100.0	21,282	94	271	98	0	1	48,639	47,023	571	1,045
1985	1,195	1,042	-	3.63	3.63	100.0	22,782	20	1,246	95	0	5	56,063	51,593	130	4,340
1986	4,531	1,042	1.87	2.27	2.12	62.9	20,640	45	4,721	81	0	19	53,963	44,197	156	9,610
Salt River Proj Ag I & P Dist																
1982	8,013	1,060	3.51	-	3.51	-	196,771	439	8,490	96	0	4	234,167	202,848	3,210	28,109
1983	4,135	1,051	4.06	-	4.06	-	196,625	531	4,344	98	0	2	245,745	225,616	3,331	16,798
1984	6,168	1,063	4.04	-	4.04	-	203,059	881	6,558	96	0	3	250,561	220,260	5,394	24,907
1985	9,439	1,074	3.85	-	3.85	-	194,076	755	10,136	95	0	5	253,669	212,611	4,758	36,299
1986	5,305	1,061	2.55	-	2.55	-	187,450	1,111	5,630	97	1	3	238,164	220,555	4,090	13,520
San Antonio City of																
1982	34,886	1,022	-	4.17	4.17	100.0	51,499	-	35,650	59	-	41	256,672	111,364	-	145,308
1983	33,252	1,028	-	4.25	4.25	100.0	59,187	-	34,188	63	-	37	266,298	125,045	-	141,254
1984	42,211	1,033	-	4.12	4.12	100.0	57,576	-	43,605	57	-	43	296,599	122,547	-	174,052
1985	51,171	1,042	4.01	3.67	3.68	97.9	58,737	-	53,333	52	-	48	313,260	125,131	-	188,128
1986	63,554	1,029	1.75	3.61	2.22	25.2	46,536	3,322	65,404	40	3	57	230,314	80,319	8,801	141,194
San Diego Gas & Electric Co																
1982	28,868	1,044	5.09	-	5.09	-	-	39,732	30,133	-	57	43	435,188	-	288,332	146,856
1983	29,495	1,037	5.40	-	5.40	-	-	26,163	30,600	-	46	54	330,439	-	171,027	159,412
1984	40,900	1,038	5.19	-	5.19	-	-	6,619	42,466	-	13	87	247,952	-	35,495	212,457
1985	35,611	1,043	4.78	-	4.78	-	-	4,820	37,148	-	11	89	189,280	-	19,106	170,174
1986	25,983	1,035	2.81	-	2.81	-	-	20,991	26,902	-	44	56	118,633	-	45,723	72,910

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price In Dollars per Ton			Quantity Delivered		Average Quality		Average Price In Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
San Miguel Electric Coop Inc																		
1982	2,427	-	5,525	27.5	1.9	-	12.95	12.95	-	-	-	-	-	-	-	-	-	-
1983	2,465	65.8	5,594	24.5	1.8	12.34	11.17	11.94	-	-	-	-	-	-	-	40	139,905	32.44
1984	2,810	100.0	5,511	24.5	1.7	11.97	-	11.97	-	-	-	-	-	-	-	24	141,048	30.04
1985	2,529	100.0	5,404	23.9	1.9	13.51	-	13.51	-	-	-	-	-	-	-	37	141,140	29.18
1986	2,365	100.0	5,362	24.8	1.8	12.78	-	12.78	-	-	-	-	-	-	-	51	143,507	18.61
Savannah Electric & Power Co																		
1982	763	-	12,701	10.0	.9	-	48.65	48.65	40	-	149,332	2.5	-	23.48	23.48	19	137,034	42.49
1983	794	-	13,111	8.7	1.0	-	47.28	47.28	4	-	147,619	1.5	-	31.58	31.58	1	136,498	35.71
1984	969	-	12,925	9.0	.9	-	48.73	48.73	7	-	151,528	1.5	-	34.60	34.60	2	135,879	33.51
1985	771	-	12,935	8.5	1.0	-	46.12	46.12	10	-	146,838	2.2	-	24.69	24.69	5	135,883	35.74
1986	858	-	12,933	8.8	.9	-	43.52	43.52	190	-	147,867	2.4	-	11.73	11.73	5	135,952	21.58
Seminole Electric Coop Inc																		
1983	545	46.2	12,603	8.5	2.8	52.73	49.09	50.77	-	-	-	-	-	-	-	200	138,360	36.78
1984	1,729	81.1	12,351	8.8	2.9	55.24	48.19	53.91	-	-	-	-	-	-	-	205	137,770	35.24
1985	2,420	71.1	12,292	8.9	2.9	56.37	45.84	53.33	-	-	-	-	-	-	-	112	140,979	34.07
1986	2,952	84.8	12,076	8.7	2.7	51.25	40.48	49.61	-	-	-	-	-	-	-	42	138,853	20.99
Sierra Pacific Power Co																		
1982	716	100.0	11,299	8.2	.4	43.39	-	43.39	85	-	150,840	.9	-	26.41	26.41	16	135,704	41.48
1983	821	100.0	11,297	8.2	.4	44.09	-	44.09	-	-	-	-	-	-	-	10	136,300	37.54
1984	635	100.0	11,358	7.8	.4	46.77	-	46.77	2	-	149,292	.5	-	25.24	25.24	9	136,300	36.63
1985	1,301	100.0	11,296	8.2	.4	46.29	-	46.29	-	-	-	-	-	-	-	34	138,500	35.80
1986	1,071	100.0	11,166	8.2	.3	41.90	-	41.90	286	-	148,863	.4	-	12.36	12.36	12	138,500	22.50
Sikeston City of																		
1982	262	100.0	11,334	13.1	2.7	43.75	-	43.75	-	-	-	-	-	-	-	3	141,000	42.05
1983	667	1.8	11,368	12.6	2.6	43.75	41.46	41.51	-	-	-	-	-	-	-	5	141,000	42.05
1984	659	43.6	11,367	12.5	2.6	43.45	44.20	43.88	-	-	-	-	-	-	-	5	141,000	42.05
1985	277	100.0	11,176	12.8	2.5	43.14	-	43.14	-	-	-	-	-	-	-	8	141,000	42.05
1986	304	100.0	11,198	11.5	2.6	28.63	-	28.63	-	-	-	-	-	-	-	6	141,000	35.48
South Carolina Electric&Gas Co																		
1982	3,861	96.3	12,742	9.4	1.5	50.84	45.68	50.65	8	100.0	149,500	2.1	26.05	-	26.05	57	137,306	41.08
1983	3,409	100.0	12,858	8.8	1.4	53.06	-	53.06	-	-	-	-	-	-	-	18	138,906	35.54
1984	3,565	100.0	12,811	9.2	1.3	51.83	-	51.83	-	-	-	-	-	-	-	47	139,602	34.28
1985	4,216	87.2	12,852	8.9	1.3	50.60	43.01	49.63	-	-	-	-	-	-	-	72	138,000	33.05
1986	3,616	89.1	12,929	8.9	1.3	47.40	39.79	46.57	-	-	-	-	-	-	-	64	138,000	22.25
South Carolina Pub Serv Auth																		
1982	3,609	70.8	12,081	11.1	1.3	45.43	44.07	45.03	-	-	-	-	-	-	-	40	140,000	40.79
1983	3,151	75.9	12,163	10.9	1.2	46.29	43.27	45.56	-	-	-	-	-	-	-	74	140,000	35.05
1984	3,328	80.1	12,218	10.7	1.2	47.36	44.29	46.75	-	-	-	-	-	-	-	57	140,000	35.32
1985	3,535	84.7	12,263	10.5	1.3	47.35	42.32	46.58	-	-	-	-	-	-	-	40	140,000	34.00
1986	3,454	85.2	12,416	9.9	1.2	47.38	40.92	46.42	-	-	-	-	-	-	-	22	140,000	20.46
Southern California Edison Co																		
1982	4,788	100.0	10,893	10.4	.6	19.44	-	19.44	2,926	100.0	145,240	.2	42.90	-	42.90	1	138,874	37.30
1983	4,389	100.0	10,923	10.2	.6	22.24	-	22.24	-	-	-	-	-	-	-	-	-	-
1984	4,574	100.0	10,959	10.1	.6	22.70	-	22.70	938	100.0	145,918	.1	40.92	-	40.92	-	-	-
1985	2,285	100.0	10,961	10.2	.5	22.56	-	22.56	1,683	100.0	145,974	.0	41.17	-	41.17	-	-	-
1986	4,756	100.0	10,998	9.8	.6	22.43	-	22.43	2,543	100.0	146,405	.2	31.25	-	31.25	-	-	-
Southern Illinois Power Coop																		
1982	499	-	10,025	17.7	3.1	-	21.60	21.60	-	-	-	-	-	-	-	-	-	-
1983	523	39.4	10,336	17.2	2.8	29.62	16.17	21.47	-	-	-	-	-	-	-	-	-	-
1984	902	30.3	10,314	18.3	3.1	36.50	16.50	22.55	-	-	-	-	-	-	-	-	-	-
1985	657	38.2	10,274	18.7	2.9	36.54	14.52	22.93	-	-	-	-	-	-	-	-	-	-
1986	737	54.8	10,633	18.5	3.2	26.61	12.53	20.25	-	-	-	-	-	-	-	-	-	-
Southern Indiana Gas & Elec Co																		
1982	1,848	99.0	11,028	9.8	3.4	29.85	29.53	29.85	-	-	-	-	-	-	-	-	-	-
1983	1,897	100.0	11,095	9.4	3.3	32.57	-	32.57	-	-	-	-	-	-	-	-	-	-
1984	2,214	99.5	11,068	9.3	3.2	33.03	34.10	33.04	-	-	-	-	-	-	-	2	139,000	37.12
1985	1,878	98.9	11,143	9.1	3.3	35.82	25.35	35.71	-	-	-	-	-	-	-	10	139,000	37.10
1986	2,300	97.5	11,219	9.1	3.4	33.87	25.35	33.65	-	-	-	-	-	-	-	15	139,000	24.05
Southwestern Electric Power Co																		
1982	6,054	100.0	8,352	4.9	.3	26.17	-	26.17	-	-	-	-	-	-	-	53	140,000	40.05
1983	6,327	100.0	8,360	4.8	.4	27.71	-	27.71	-	-	-	-	-	-	-	27	140,000	37.01

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," and predecessor forms.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
San Miguel Electric Coop Inc																
1982	-	-	-	-	-	-	26,817	-	-	100	-	-	31,440	31,440	-	-
1983	-	-	-	-	-	-	27,584	237	-	99	1	-	30,747	29,439	1,308	-
1984	-	-	-	-	-	-	30,973	143	-	100	0	-	34,369	33,641	727	-
1985	-	-	-	-	-	-	27,328	218	-	99	1	-	35,228	34,156	1,072	-
1986	-	-	-	-	-	-	25,360	308	-	99	1	-	31,176	30,226	950	-
Savannah Electric & Power Co																
1982	1,354	1,028	4.23	-	4.23	-	19,378	357	1,392	92	2	7	44,579	37,117	1,732	5,730
1983	1,030	1,025	4.50	-	4.50	-	20,825	32	1,056	95	0	5	42,353	37,550	170	4,633
1984	489	1,022	4.62	-	4.62	-	25,041	56	500	98	0	2	49,773	47,205	311	2,258
1985	394	1,023	4.58	4.50	4.58	3.5	19,944	92	403	98	0	2	37,800	35,555	438	1,807
1986	681	1,023	4.21	-	4.21	-	22,201	1,209	696	92	5	3	42,560	37,356	2,341	2,862
Seminole Electric Coop Inc																
1983	-	-	-	-	-	-	13,737	1,161	-	92	8	-	35,022	27,672	7,350	-
1984	-	-	-	-	-	-	42,708	1,186	-	97	3	-	100,435	93,210	7,225	-
1985	-	-	-	-	-	-	59,494	663	-	99	1	-	132,871	129,055	3,816	-
1986	-	-	-	-	-	-	71,296	245	-	100	0	-	147,341	146,459	882	-
Sierra Pacific Power Co																
1982	5,437	1,071	4.66	-	4.66	-	16,170	633	5,825	71	3	26	59,297	31,050	2,930	25,317
1983	4,352	1,057	4.42	-	4.42	-	18,560	59	4,598	80	0	20	55,830	36,217	385	19,227
1984	3,278	1,048	4.51	-	4.51	-	14,415	62	3,435	80	0	19	44,843	29,678	370	14,795
1985	3,241	1,056	4.25	-	4.25	-	29,383	199	3,422	89	1	10	75,202	60,206	1,227	13,769
1986	1,423	1,029	3.70	-	3.70	-	23,928	1,860	1,463	88	7	5	53,967	44,897	3,811	5,259
Sikeston City of																
1982	-	-	-	-	-	-	5,945	19	-	100	0	-	11,610	11,475	135	-
1983	-	-	-	-	-	-	15,165	27	-	100	0	-	27,873	27,684	189	-
1984	-	-	-	-	-	-	14,981	27	-	100	0	-	29,104	28,914	190	-
1985	-	-	-	-	-	-	6,190	50	-	99	1	-	12,300	11,946	354	-
1986	-	-	-	-	-	-	6,799	38	-	99	1	-	8,919	8,691	228	-
South Carolina Electric&Gas Co																
1982	318	1,028	3.91	-	3.91	-	98,392	379	327	99	0	0	199,333	195,535	2,557	1,241
1983	244	1,024	4.26	-	4.26	-	87,668	104	249	100	0	0	182,551	180,880	633	1,039
1984	103	1,022	4.43	-	4.43	-	91,349	273	105	100	0	0	186,856	184,803	1,598	456
1985	203	1,026	4.64	-	4.64	-	108,355	417	208	99	0	0	212,552	209,228	2,380	943
1986	951	1,022	2.00	-	2.00	-	93,515	369	972	99	0	1	171,740	168,416	1,418	1,906
South Carolina Pub Serv Auth																
1982	-	-	-	-	-	-	87,203	233	-	100	0	-	164,144	162,531	1,613	-
1983	-	-	-	-	-	-	76,647	433	-	99	1	-	146,147	143,566	2,581	-
1984	-	-	-	-	-	-	81,331	337	-	100	0	-	157,615	155,589	2,026	-
1985	-	-	-	-	-	-	86,700	235	-	100	0	-	166,036	164,678	1,358	-
1986	-	-	-	-	-	-	85,766	131	-	100	0	-	160,792	160,336	455	-
Southern California Edison Co																
1982	256,771	1,053	5.25	-	5.25	-	104,316	17,855	270,406	27	5	69	1,566,121	93,085	125,553	1,347,483
1983	200,756	1,051	5.08	-	5.08	-	95,883	-	211,015	31	-	69	1,117,161	97,593	-	1,019,568
1984	213,412	1,052	5.02	-	5.02	-	100,255	5,749	224,542	30	2	68	1,213,853	103,838	38,386	1,071,629
1985	257,171	1,054	4.33	-	4.33	-	50,081	10,318	271,052	15	3	82	1,233,995	51,549	69,289	1,113,157
1986	174,300	1,050	2.71	-	2.71	-	104,619	15,636	183,099	34	5	60	659,047	106,696	79,474	472,878
Southern Illinois Power Coop																
1982	-	-	-	-	-	-	10,003	-	-	100	-	-	10,779	10,779	-	-
1983	-	-	-	-	-	-	10,811	-	-	100	-	-	11,227	11,227	-	-
1984	-	-	-	-	-	-	18,606	-	-	100	-	-	20,341	20,341	-	-
1985	-	-	-	-	-	-	13,501	-	-	100	-	-	15,066	15,066	-	-
1986	-	-	-	-	-	-	15,673	-	-	100	-	-	14,922	14,922	-	-
Southern Indiana Gas & Elec Co																
1982	-	-	-	-	-	-	40,756	-	-	100	-	-	55,155	55,155	-	-
1983	-	-	-	-	-	-	42,103	-	-	100	-	-	61,792	61,792	-	-
1984	7	1,009	3.77	-	3.77	-	49,003	10	7	100	0	0	73,230	73,140	62	28
1985	29	1,015	3.91	-	3.91	-	41,845	58	29	100	0	0	67,520	67,042	367	111
1986	22	1,026	2.89	-	2.89	-	51,598	88	22	100	0	0	77,817	77,393	362	62
Southwestern Electric Power Co																
1982	56,953	1,025	-	2.34	2.34	100.0	101,121	312	58,371	63	0	37	293,618	158,462	2,123	133,033
1983	41,205	1,018	4.10	3.60	3.60	99.9	105,788	159	41,928	72	0	28	324,537	175,310	999	148,228

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Southwestern Electric Power Co																		
1984	7,257	100.0	8,256	5.0	0.4	29.23	-	29.23	-	-	-	-	-	-	-	80	140,000	35.86
1985	10,069	100.0	7,900	6.3	.6	25.55	-	25.55	-	-	-	-	-	-	-	74	140,000	33.77
1986	9,244	100.0	7,939	6.2	.6	26.33	-	26.33	-	-	-	-	-	-	-	37	140,000	17.13
Southwestern Public Service Co																		
1982	3,831	100.0	8,934	4.9	.4	34.55	-	34.55	-	-	-	-	-	-	-	17	138,065	27.69
1983	4,285	100.0	8,915	4.7	.3	35.84	-	35.84	-	-	-	-	-	-	-	2	138,901	39.72
1984	5,106	100.0	8,838	4.9	.3	34.80	-	34.80	-	-	-	-	-	-	-	-	-	-
1985	6,992	100.0	8,821	5.0	.3	27.94	-	27.94	-	-	-	-	-	-	-	-	-	-
1986	6,803	100.0	8,857	4.9	.4	29.78	-	29.78	-	-	-	-	-	-	-	-	-	-
Springfield City of (MO)																		
1982	745	100.0	12,106	12.2	3.9	42.73	-	42.73	-	-	-	-	-	-	-	-	-	-
1983	529	100.0	12,179	12.3	3.9	38.31	-	38.31	-	-	-	-	-	-	-	-	-	-
1984	682	100.0	11,985	12.9	3.5	33.27	-	33.27	-	-	-	-	-	-	-	-	-	-
1985	456	100.0	12,337	11.2	3.8	32.10	-	32.10	-	-	-	-	-	-	-	-	-	-
1986	716	100.0	12,694	11.0	4.0	30.45	-	30.45	-	-	-	-	-	-	-	-	-	-
Springfield City of (IL)																		
1982	[1] 730	99.7	10,470	9.7	3.2	35.56	15.00	35.51	-	-	-	-	-	-	-	-	-	-
1983	779	100.0	10,529	8.7	2.8	38.39	-	38.39	-	-	-	-	-	-	-	-	-	-
1984	779	97.4	10,355	9.0	2.8	38.97	36.09	38.89	-	-	-	-	-	-	-	-	-	-
1985	701	100.0	10,354	9.1	2.9	41.37	-	41.37	-	-	-	-	-	-	-	-	-	-
1986	788	100.0	10,344	9.2	2.9	34.00	-	34.00	-	-	-	-	-	-	-	-	-	-
St Joseph Light & Power Co																		
1982	122	97.5	12,627	13.7	4.6	41.93	30.49	41.65	7	100.0	149,804	1.4	26.25	-	26.25	-	-	-
1983	101	100.0	12,594	14.3	4.7	36.53	-	36.53	-	-	-	-	-	-	-	-	-	-
1984	84	-	12,528	11.2	3.7	-	36.78	36.78	-	-	-	-	-	-	-	3	138,366	36.21
1985	116	-	11,645	13.0	3.1	-	33.86	33.86	5	-	144,545	1.1	-	25.18	25.18	2	139,029	33.20
1986	107	-	12,163	16.1	3.7	-	34.97	34.97	-	-	-	-	-	-	-	-	-	-
Sunflower Electric Coop Inc																		
1983	415	100.0	8,220	5.8	.4	25.57	-	25.57	-	-	-	-	-	-	-	-	-	-
1984	918	100.0	8,244	5.9	.4	24.82	-	24.82	-	-	-	-	-	-	-	-	-	-
1985	895	100.0	8,258	5.8	.5	24.54	-	24.54	-	-	-	-	-	-	-	-	-	-
1986	795	100.0	8,319	5.5	.4	24.18	-	24.18	-	-	-	-	-	-	-	-	-	-
Tallahassee City of																		
1982	-	-	-	-	-	-	-	-	356	100.0	152,267	2.4	27.20	-	27.20	5	138,500	42.21
1983	-	-	-	-	-	-	-	-	124	34.5	151,696	2.4	26.98	26.60	26.73	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	28	-	151,350	2.4	-	22.95	22.95	-	-	-
1986	-	-	-	-	-	-	-	-	430	100.0	151,282	2.1	11.62	-	11.62	-	-	-
Tampa Electric Co																		
1982	3,960	91.3	11,883	10.0	2.3	44.73	53.13	45.46	2,473	100.0	151,476	1.0	28.33	-	28.33	76	138,328	39.23
1983	4,433	93.1	12,039	9.5	2.4	46.27	47.31	46.34	1,990	45.5	151,656	1.0	28.50	26.96	27.66	148	138,761	35.86
1984	5,776	72.5	12,139	8.7	2.1	47.70	43.11	46.43	1,392	92.8	151,441	1.0	29.02	29.38	29.05	188	138,402	34.36
1985	5,864	85.8	11,936	8.5	2.2	47.53	35.73	45.86	418	94.8	151,348	.9	25.25	24.51	25.22	213	138,725	32.66
1986	5,632	82.1	12,111	8.1	2.2	47.74	37.56	45.91	-	-	-	-	-	-	-	224	138,278	18.94
Taunton City of																		
1983	-	-	-	-	-	-	-	-	208	100.0	150,372	2.0	28.57	-	28.57	0	139,485	36.70
1984	-	-	-	-	-	-	-	-	435	100.0	150,488	2.0	30.07	-	30.07	-	-	-
1985	-	-	-	-	-	-	-	-	307	100.0	149,551	1.8	26.69	-	26.69	-	-	-
1986	-	-	-	-	-	-	-	-	199	100.0	150,313	1.6	16.84	-	16.84	-	-	-
Tennessee Valley Authority																		
1982	31,972	96.0	11,681	11.5	2.3	40.88	28.16	40.37	-	-	-	-	-	-	-	334	138,074	46.94
1983	27,086	92.9	11,678	11.3	2.4	40.99	25.64	39.91	-	-	-	-	-	-	-	265	137,735	37.65
1984	30,605	78.0	11,689	11.5	2.3	39.10	32.48	37.65	-	-	-	-	-	-	-	278	138,103	35.52
1985	28,655	80.8	11,667	11.4	2.3	37.00	30.93	35.84	-	-	-	-	-	-	-	232	137,795	34.34
1986	36,606	74.0	11,810	10.8	2.2	34.79	28.73	33.21	-	-	-	-	-	-	-	233	137,946	20.18
Texas Electric Service Co																		
1982	-	-	-	-	-	-	-	-	[2] 221	100.0	142,857	.7	37.24	-	37.24	82	139,524	40.16
1983	-	-	-	-	-	-	-	-	[2] 136	100.0	142,481	.5	34.56	-	34.56	159	139,524	37.34
Texas Municipal Power Agency																		
1983	1,947	-	4,578	27.0	1.1	-	14.50	14.50	-	-	-	-	-	-	-	43	141,000	38.51

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," and predecessor forms.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Southwestern Electric Power Co																
1984	36,556	1,038	-	3.89	3.89	100.0	119,834	470	37,956	76	0	24	357,231	212,089	2,869	142,272
1985	32,597	1,026	-	3.53	3.53	100.0	159,089	435	33,429	82	0	17	374,830	257,308	2,499	115,023
1986	23,283	1,013	-	2.79	2.79	100.0	146,785	218	23,577	86	0	14	308,905	243,356	634	64,916
Southwestern Public Service Co																
1982	73,518	993	3.37	2.58	3.01	45.8	68,452	99	72,990	48	0	52	353,943	132,347	471	221,124
1983	75,279	980	3.64	3.09	3.37	48.4	76,399	12	73,770	51	0	49	407,558	153,576	81	253,901
1984	72,224	987	3.78	3.22	3.50	49.0	90,258	-	71,271	56	-	44	430,809	177,698	-	253,111
1985	44,466	998	3.51	3.42	3.45	65.9	123,350	-	44,393	74	-	26	348,723	195,361	-	153,362
1986	27,929	1,024	3.26	3.49	3.45	82.8	120,508	-	28,587	81	-	19	298,887	202,607	-	96,280
Springfield City of (MO)																
1982	185	1,017	4.03	-	4.03	-	18,045	-	188	99	-	1	32,586	31,842	-	744
1983	161	1,024	3.45	-	3.45	-	12,890	-	165	99	-	1	20,829	20,273	-	556
1984	150	1,019	3.65	-	3.65	-	16,345	-	153	99	-	1	23,233	22,686	-	547
1985	137	1,016	3.00	-	3.00	-	11,244	-	139	99	-	1	15,039	14,628	-	411
1986	111	1,021	2.62	-	2.62	-	18,191	-	113	99	-	1	22,110	21,821	-	290
Springfield City of (IL)																
1982	-	-	-	-	-	-	15,279	-	-	100	-	-	25,907	25,907	-	-
1983	-	-	-	-	-	-	16,415	-	-	100	-	-	29,924	29,924	-	-
1984	-	-	-	-	-	-	16,144	-	-	100	-	-	30,318	30,318	-	-
1985	-	-	-	-	-	-	14,521	-	-	100	-	-	29,007	29,007	-	-
1986	-	-	-	-	-	-	16,294	-	-	100	-	-	26,782	26,782	-	-
St Joseph Light & Power Co																
1982	277	1,042	3.46	-	3.46	-	3,091	47	289	90	1	8	6,251	5,098	194	958
1983	173	999	3.63	-	3.63	-	2,537	-	173	94	-	6	4,306	3,679	-	628
1984	239	1,009	3.72	-	3.72	-	2,102	18	241	89	1	10	4,088	3,085	112	891
1985	191	985	2.95	-	2.95	-	2,702	41	188	92	1	6	4,679	3,927	187	564
1986	175	969	2.61	-	2.61	-	2,606	-	169	94	-	6	4,201	3,745	-	456
Sunflower Electric Coop Inc																
1983	5,475	803	3.56	2.16	2.21	96.0	6,819	-	4,395	61	-	39	22,725	10,606	-	12,119
1984	141	830	3.94	2.08	2.35	85.4	15,131	-	117	99	-	1	23,109	22,779	-	330
1985	95	813	-	1.93	1.93	100.0	14,787	-	77	99	-	1	22,160	21,977	-	183
1986	64	760	-	1.39	1.39	100.0	13,223	-	49	100	-	0	19,309	19,220	-	89
Tallahassee City of																
1982	12,028	1,051	3.08	-	3.08	-	-	2,308	12,640	-	15	85	46,907	-	9,900	37,007
1983	10,671	1,042	2.98	-	2.98	-	-	788	11,114	-	7	93	35,151	-	3,305	31,845
1984	9,347	1,047	3.25	-	3.25	-	-	-	9,784	-	-	100	30,338	-	-	30,338
1985	10,853	1,046	3.24	-	3.24	-	-	180	11,353	-	2	98	35,865	-	651	35,213
1986	12,381	1,035	2.29	-	2.29	-	-	2,730	12,819	-	18	82	33,303	-	4,993	28,311
Tampa Electric Co																
1982	-	-	-	-	-	-	94,119	16,173	-	85	15	-	253,071	180,037	73,034	-
1983	-	-	-	-	-	-	106,747	13,541	-	89	11	-	265,800	205,439	60,361	-
1984	-	-	-	-	-	-	140,239	9,946	-	93	7	-	315,087	268,199	46,888	-
1985	-	-	-	-	-	-	139,991	3,900	-	97	3	-	286,419	268,914	17,504	-
1986	-	-	-	-	-	-	136,411	1,303	-	99	1	-	262,829	258,577	4,251	-
Taunton City of																
1983	-	-	-	-	-	-	-	1,315	-	-	100	-	5,954	-	5,954	-
1984	-	-	-	-	-	-	-	2,752	-	-	100	-	13,093	-	13,093	-
1985	-	-	-	-	-	-	-	1,928	-	-	100	-	8,192	-	8,192	-
1986	-	-	-	-	-	-	-	1,259	-	-	100	-	3,360	-	3,360	-
Tennessee Valley Authority																
1982	-	-	-	-	-	-	746,897	1,938	-	100	0	-	1,306,515	1,290,830	15,685	-
1983	-	-	-	-	-	-	632,635	1,532	-	100	0	-	1,090,939	1,080,970	9,969	-
1984	-	-	-	-	-	-	715,507	1,615	-	100	0	-	1,162,083	1,152,195	9,888	-
1985	-	-	-	-	-	-	668,639	1,340	-	100	0	-	1,034,907	1,026,957	7,949	-
1986	-	-	-	-	-	-	864,610	1,351	-	100	0	-	1,220,442	1,215,737	4,705	-
Texas Electric Service Co																
1982	119,389	1,035	-	3.76	3.76	100.0	-	1,807	123,541	-	1	99	460,834	-	11,522	449,311
1983	118,412	1,020	-	3.83	3.83	100.0	-	1,746	120,775	-	1	99	464,470	-	10,636	453,834
Texas Municipal Power Agency																
1983	-	-	-	-	-	-	17,826	255	-	99	1	-	29,880	28,224	1,656	-

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Texas Municipal Power Agency																		
1984	2,927	70.7	4,549	27.2	1.0	14.96	14.90	14.94	-	-	-	-	-	-	-	20	141,000	38.11
1985	2,955	100.0	4,633	26.3	1.0	13.92	-	13.92	-	-	-	-	-	-	-	19	141,000	30.75
1986	2,963	90.6	4,746	24.9	.9	14.62	14.38	14.60	-	-	-	-	-	-	-	5	141,000	17.60
Texas Power & Light Co																		
1982	457	100.0	6,644	14.5	1.2	13.00	-	13.00	[2] 30	-	144,881	0.7	-	14.94	14.94	175	136,607	37.95
1983	515	100.0	6,610	14.7	1.1	12.53	-	12.53	-	-	-	-	-	-	-	26	136,790	35.13
Texas Utilities Electric Co																		
1984	32,010	100.0	6,479	15.1	.6	11.74	-	11.74	[2] 581	100.0	150,000	.3	35.38	-	35.38	931	138,503	34.78
1985	29,878	100.0	6,522	14.5	.6	12.47	-	12.47	[2] 251	88.8	148,000	.5	29.77	30.83	29.88	446	138,000	32.60
1986	30,408	100.0	6,476	14.6	.7	12.59	-	12.59	[2] 45	-	148,000	.5	-	29.88	29.88	161	138,000	25.12
Texas Utilities Service Inc																		
1982	27,173	100.0	6,519	14.4	.7	10.95	-	10.95	-	-	-	-	-	-	-	-	-	-
1983	28,690	100.0	6,507	14.9	.7	11.74	-	11.74	-	-	-	-	-	-	-	95	137,000	37.16
Toledo Edison Co																		
1982	1,679	83.4	13,120	7.1	1.0	56.33	52.84	55.75	-	-	-	-	-	-	-	1	136,769	32.05
1983	1,261	87.4	13,182	6.7	1.2	58.64	45.45	56.98	-	-	-	-	-	-	-	35	137,699	32.93
1984	1,471	82.2	13,071	7.0	1.1	60.44	49.39	58.47	-	-	-	-	-	-	-	4	136,488	35.41
1985	1,673	75.2	13,039	6.6	1.2	57.15	43.23	53.70	-	-	-	-	-	-	-	4	137,207	34.35
1986	1,683	73.4	13,223	6.8	1.1	56.94	39.90	52.40	-	-	-	-	-	-	-	0	137,584	28.35
Tucson Electric Power Co																		
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	21	100.0	145,985	.9	32.38	-	32.38	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Union Electric Co																		
1982	11,262	97.4	11,020	9.4	1.9	30.29	22.56	30.09	322	100.0	148,863	1.8	27.27	-	27.27	198	137,032	40.28
1983	10,787	99.6	11,110	9.4	2.0	32.43	31.80	32.43	285	100.0	150,738	1.8	26.54	-	26.54	109	137,000	35.59
1984	12,350	87.4	11,118	9.1	1.9	33.53	35.39	33.76	264	100.0	152,750	1.8	28.24	-	28.24	104	137,000	34.80
1985	10,495	93.7	11,148	9.3	2.0	35.16	33.37	35.05	259	100.0	151,548	1.8	25.40	-	25.40	20	137,000	32.71
1986	9,705	98.0	11,199	9.3	2.0	36.75	30.81	36.63	227	100.0	150,558	1.8	14.66	-	14.66	33	137,000	19.59
United Illuminating Co																		
1982	-	-	-	-	-	-	-	-	7,526	100.0	148,865	.8	29.37	-	29.37	7	137,314	42.45
1983	-	-	-	-	-	-	-	-	8,987	95.8	149,946	.9	28.46	26.94	28.39	5	138,359	37.40
1984	110	100.0	13,136	6.7	.5	59.26	-	59.26	8,447	99.6	149,580	.9	30.65	30.87	30.65	6	137,590	36.74
1985	774	100.0	13,158	6.8	.5	61.81	-	61.81	5,386	87.2	150,496	.9	27.13	25.27	26.89	7	137,607	35.24
1986	817	100.0	13,172	6.8	.5	59.83	-	59.83	5,864	84.0	149,862	1.0	15.96	13.48	15.56	8	139,132	20.31
United Power Assn																		
1982	895	100.0	6,872	7.9	.7	13.52	-	13.52	-	-	-	-	-	-	-	9	137,550	39.71
1983	979	100.0	6,738	8.8	.7	13.00	-	13.00	-	-	-	-	-	-	-	8	137,505	36.35
1984	953	100.0	6,841	9.5	.7	13.54	-	13.54	-	-	-	-	-	-	-	8	137,500	38.09
1985	1,112	100.0	6,826	9.6	.7	13.63	-	13.63	-	-	-	-	-	-	-	-	-	-
1986	1,127	100.0	6,726	9.1	.6	13.28	-	13.28	-	-	-	-	-	-	-	-	-	-
Upper Peninsula Generating Co																		
1982	920	100.0	9,908	7.8	.6	43.05	-	43.05	-	-	-	-	-	-	-	-	-	-
1983	1,086	-	9,526	6.8	.6	-	41.01	41.01	-	-	-	-	-	-	-	-	-	-
1984	1,652	-	9,816	7.8	.6	-	40.86	40.86	-	-	-	-	-	-	-	-	-	-
1985	1,270	-	11,417	7.9	.7	-	41.88	41.88	-	-	-	-	-	-	-	-	-	-
1986	761	-	12,669	9.2	.9	-	40.78	40.78	-	-	-	-	-	-	-	-	-	-
Utah Power & Light Co																		
1982	8,034	95.9	11,072	10.0	.5	28.81	36.65	29.13	-	-	-	-	-	-	-	35	140,000	40.98
1983	7,219	99.7	10,990	10.0	.5	28.55	37.02	28.57	-	-	-	-	-	-	-	98	140,000	36.22
1984	6,715	99.2	10,870	9.8	.6	28.07	35.06	28.13	-	-	-	-	-	-	-	61	140,000	35.88
1985	8,846	64.9	11,269	9.0	.6	29.70	31.02	30.16	-	-	-	-	-	-	-	68	140,000	33.82
1986	7,064	91.1	11,043	10.4	.6	28.99	33.48	29.39	-	-	-	-	-	-	-	44	140,000	20.35
UGI Corp																		
1982	242	100.0	9,052	20.4	.8	22.49	-	22.49	-	-	-	-	-	-	-	-	-	-
Vero Beach City of																		
1982	-	-	-	-	-	-	-	-	7	100.0	150,000	2.5	29.79	-	29.79	-	-	-

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," and predecessor forms.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Texas Municipal Power Agency																
1984	-	-	-	-	-	-	26,631	119	-	100	0	-	44,494	43,730	764	-
1985	-	-	-	-	-	-	27,387	115	-	100	0	-	41,740	41,143	598	-
1986	-	-	-	-	-	-	28,126	28	-	100	0	-	43,337	43,254	83	-
Texas Power & Light Co																
1982	120,382	1,035	4.00	3.04	3.35	67.9	6,072	1,185	124,627	5	1	94	416,258	5,940	7,081	403,237
1983	125,781	1,028	4.08	3.55	3.73	66.2	6,808	151	129,350	5	0	95	476,714	6,452	923	469,340
Texas Utilities Electric Co																
1984	364,707	1,033	4.04	3.87	3.87	99.9	414,780	9,077	376,573	52	1	47	1,839,387	375,718	52,940	1,410,729
1985	402,540	1,040	3.64	3.54	3.54	100.0	389,726	4,144	418,569	48	1	52	1,819,896	372,678	22,032	1,425,187
1986	365,251	1,041	2.96	2.88	2.88	99.4	393,842	1,216	380,286	51	0	49	1,439,989	382,916	5,402	1,051,671
Texas Utilities Service Inc																
1982	-	-	-	-	-	-	354,296	-	-	100	-	-	297,446	297,446	-	-
1983	324	1,041	-	3.95	3.95	100.0	373,361	544	337	100	0	0	341,538	336,745	3,514	1,279
Toledo Edison Co																
1982	71	1,017	4.83	-	4.83	-	44,048	7	72	100	0	0	93,969	93,590	38	341
1983	115	1,009	-	5.57	5.57	100.0	33,243	201	116	99	1	0	73,624	71,842	1,142	639
1984	91	1,015	-	5.52	5.52	100.0	38,467	26	92	100	0	0	86,706	86,046	159	501
1985	94	1,010	-	5.26	5.26	100.0	43,619	23	95	100	0	0	90,457	89,826	137	493
1986	78	1,021	-	5.10	5.10	100.0	44,519	2	80	100	0	0	88,625	88,216	11	398
Tucson Electric Power Co																
1982	6,732	1,044	-	3.89	3.89	100.0	-	-	7,031	-	-	100	26,216	-	-	26,216
1983	2,137	1,038	-	4.66	4.66	100.0	-	130	2,218	-	6	94	10,649	-	689	9,960
1984	2,259	1,040	-	4.51	4.51	100.0	-	-	2,349	-	-	100	10,199	-	-	10,199
1985	4,383	1,042	-	4.24	4.24	100.0	-	-	4,566	-	-	100	18,590	-	-	18,590
1986	2,568	1,032	-	2.46	2.46	100.0	-	-	2,649	-	-	100	6,308	-	-	6,308
Union Electric Co																
1982	646	1,036	4.59	-	4.59	-	248,221	3,153	669	98	1	0	358,599	338,877	16,756	2,966
1983	676	1,036	5.19	-	5.19	-	239,683	2,432	701	99	1	0	364,761	349,810	11,443	3,508
1984	497	1,036	4.87	-	4.87	-	274,608	2,292	515	99	1	0	430,466	416,969	11,075	2,422
1985	341	1,040	4.56	-	4.56	-	234,002	1,764	355	99	1	0	376,630	367,843	7,233	1,554
1986	295	1,039	3.54	-	3.54	-	217,382	1,625	306	99	1	0	360,503	355,485	3,973	1,045
United Illuminating Co																
1982	-	-	-	-	-	-	-	47,098	-	-	100	-	221,362	-	221,362	-
1983	-	-	-	-	-	-	-	56,629	-	-	100	-	255,360	-	255,360	-
1984	-	-	-	-	-	-	2,890	53,104	-	5	95	-	265,644	6,519	259,125	-
1985	-	-	-	-	-	-	20,369	34,082	-	37	63	-	192,913	47,843	145,070	-
1986	99	1,039	2.33	-	2.33	-	21,523	36,957	103	37	63	0	140,542	48,882	91,429	231
United Power Assn																
1982	-	-	-	-	-	-	12,303	50	-	100	0	-	12,452	12,106	345	-
1983	-	-	-	-	-	-	13,198	46	-	100	0	-	13,016	12,729	287	-
1984	-	-	-	-	-	-	13,035	47	-	100	0	-	13,209	12,901	308	-
1985	-	-	-	-	-	-	15,176	-	-	100	-	-	15,149	15,149	-	-
1986	-	-	-	-	-	-	15,161	-	-	100	-	-	14,966	14,966	-	-
Upper Peninsula Generating Co																
1982	-	-	-	-	-	-	18,228	-	-	100	-	-	39,605	39,605	-	-
1983	-	-	-	-	-	-	20,683	-	-	100	-	-	44,518	44,518	-	-
1984	-	-	-	-	-	-	32,435	-	-	100	-	-	67,510	67,510	-	-
1985	-	-	-	-	-	-	28,999	-	-	100	-	-	53,191	53,191	-	-
1986	-	-	-	-	-	-	19,282	-	-	100	-	-	31,037	31,037	-	-
Utah Power & Light Co																
1982	2,198	935	2.41	-	2.41	-	177,903	206	2,054	99	0	1	240,780	234,042	1,434	5,304
1983	447	971	3.57	-	3.57	-	158,679	576	434	99	0	0	211,410	206,266	3,549	1,595
1984	272	1,035	4.31	-	4.31	-	145,990	359	282	100	0	0	192,239	188,878	2,189	1,173
1985	254	1,058	4.50	-	4.50	-	199,372	400	269	100	0	0	270,252	266,810	2,300	1,142
1986	147	1,027	4.00	-	4.00	-	156,021	259	151	100	0	0	209,070	207,586	895	588
UGI Corp																
1982	-	-	-	-	-	-	4,381	-	-	100	-	-	5,443	5,443	-	-
Vero Beach City of																
1982	3,299	1,056	3.00	-	3.00	-	-	44	3,484	-	1	99	10,093	-	209	9,885

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

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
Vero Beach City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	[2] 3	100.0	146,000	0.7	34.27	-	34.27	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	138,000	30.66
Vineland City of																		
1982	84	100.0	12,930	9.4	1.4	55.81	-	55.81	75	100.0	149,646	2.0	27.80	-	27.80	6	138,681	43.18
1983	74	76.5	13,255	5.4	1.4	51.13	51.24	51.15	43	100.0	147,661	1.9	28.10	-	28.10	11	137,802	36.67
1984	108	100.0	12,870	9.3	1.1	53.28	-	53.28	103	100.0	150,013	1.8	29.90	-	29.90	16	137,847	38.78
1985	87	100.0	12,848	9.6	.9	52.43	-	52.43	51	100.0	150,080	1.6	27.40	-	27.40	7	139,451	36.81
1986	46	100.0	12,919	10.0	1.0	49.30	-	49.30	74	100.0	148,833	1.5	15.72	-	15.72	12	137,233	18.17
Virginia Electric & Power Co																		
1982	6,869	47.1	12,275	12.5	1.4	39.15	46.72	43.15	2,841	100.0	147,502	1.2	28.92	-	28.92	365	140,000	40.87
1983	7,705	42.8	12,358	12.0	1.4	40.88	37.69	39.05	1,710	100.0	150,124	1.2	28.22	-	28.22	264	139,982	33.90
1984	9,715	45.7	12,303	12.2	1.4	42.26	39.84	40.94	2,548	100.0	150,194	1.1	29.14	-	29.14	293	140,000	35.04
1985	7,501	71.7	12,506	11.4	1.4	42.05	42.55	42.19	1,586	100.0	148,973	.8	27.32	-	27.32	292	140,000	33.27
1986	8,857	67.0	12,623	11.0	1.3	40.34	33.18	37.97	3,487	81.0	148,102	.8	12.98	13.05	12.99	267	140,000	20.37
West Penn Power Co																		
1982	4,939	51.6	12,792	9.7	2.0	39.30	42.81	41.00	-	-	-	-	-	-	-	26	141,000	41.83
1983	4,892	91.2	12,891	8.8	2.2	39.91	27.17	38.79	-	-	-	-	-	-	-	24	141,000	36.79
1984	5,089	89.6	12,709	9.9	2.1	38.08	30.51	37.29	-	-	-	-	-	-	-	37	140,987	37.47
1985	4,741	92.3	12,609	10.8	2.2	37.11	27.58	36.37	-	-	-	-	-	-	-	33	141,000	35.88
1986	5,039	91.6	12,752	10.0	2.2	35.98	25.38	35.10	-	-	-	-	-	-	-	31	141,000	23.86
West Texas Utilities Co																		
1982	-	-	-	-	-	-	-	-	[2] 111	-	144,830	.5	-	34.81	34.81	14	137,910	41.92
1983	-	-	-	-	-	-	-	-	[2] 19	47.4	145,871	.4	32.73	34.69	33.76	2	140,328	35.73
1984	-	-	-	-	-	-	-	-	[2] 270	95.6	145,032	.5	34.77	35.53	34.81	17	141,000	38.84
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	719	100.0	8,269	4.9	.3	27.01	-	27.01	-	-	-	-	-	-	-	51	133,990	16.99
Western Farmers Elec Coop Inc																		
1982	1,173	100.0	8,216	5.5	.4	33.86	-	33.86	-	-	-	-	-	-	-	36	138,819	39.51
1983	1,496	100.0	8,239	6.1	.5	33.81	-	33.81	-	-	-	-	-	-	-	5	140,000	34.59
1984	938	100.0	8,282	6.0	.5	34.42	-	34.42	-	-	-	-	-	-	-	-	-	-
1985	1,063	100.0	8,332	5.6	.4	28.70	-	28.70	-	-	-	-	-	-	-	-	-	-
1986	697	100.0	8,304	5.8	.5	28.20	-	28.20	-	-	-	-	-	-	-	5	140,000	15.07
Western Massachusetts Elec Co																		
1982	-	-	-	-	-	-	-	-	705	100.0	148,552	2.1	26.97	-	26.97	11	138,369	42.67
1983	-	-	-	-	-	-	-	-	591	100.0	150,681	1.3	28.45	-	28.45	13	138,364	36.71
1984	-	-	-	-	-	-	-	-	659	100.0	150,369	1.4	30.41	-	30.41	15	137,342	35.97
1985	-	-	-	-	-	-	-	-	542	83.5	150,222	1.6	27.28	25.62	27.00	14	137,611	33.75
1986	-	-	-	-	-	-	-	-	926	100.0	150,371	1.7	16.41	-	16.41	16	137,960	20.24
Wisconsin Electric Power Co																		
1982	5,381	96.0	10,811	7.6	1.9	37.23	37.99	37.26	-	-	-	-	-	-	-	124	138,804	39.53
1983	5,262	72.4	10,702	7.7	2.0	36.67	32.48	35.52	-	-	-	-	-	-	-	102	137,000	34.29
1984	5,455	91.0	10,692	7.7	1.8	33.85	32.95	33.77	-	-	-	-	-	-	-	100	138,091	34.49
1985	5,733	90.2	10,402	6.8	1.4	34.32	25.94	33.50	-	-	-	-	-	-	-	171	138,520	31.83
1986	6,492	63.6	9,812	6.0	.9	32.46	24.60	29.60	-	-	-	-	-	-	-	125	138,123	21.10
Wisconsin Power & Light Co																		
1982	[1] 4,460	91.2	9,280	7.5	1.3	29.55	29.40	29.53	-	-	-	-	-	-	-	-	-	-
1983	[1] 5,126	91.9	9,374	7.5	1.4	31.28	31.33	31.29	-	-	-	-	-	-	-	-	-	-
1984	[1] 5,551	84.6	9,449	8.2	1.5	32.07	32.90	32.20	-	-	-	-	-	-	-	-	-	-
1985	5,964	77.7	9,327	7.6	1.0	31.52	30.41	31.27	-	-	-	-	-	-	-	-	-	-
1986	6,024	66.0	9,309	6.9	.8	30.86	27.09	29.58	-	-	-	-	-	-	-	-	-	-
Wisconsin Public Service Corp																		
1982	1,366	100.0	10,348	7.2	1.4	42.36	-	42.36	-	-	-	-	-	-	-	29	138,000	39.56
1983	1,510	100.0	10,075	7.0	1.2	41.05	-	41.05	-	-	-	-	-	-	-	31	138,000	33.59
1984	1,925	98.7	10,093	6.3	1.0	41.41	54.13	41.57	-	-	-	-	-	-	-	30	138,000	33.74
1985	1,691	100.0	9,968	5.9	.9	39.61	-	39.61	-	-	-	-	-	-	-	31	138,000	31.38
1986	1,937	93.6	9,939	6.4	1.0	39.28	27.24	38.52	-	-	-	-	-	-	-	34	138,000	20.10
Wyandotte Municipal Serv Comm																		
1986	91	100.0	13,398	6.1	.7	51.55	-	51.55	-	-	-	-	-	-	-	-	-	-

[1] May contain Petroleum Coke, Wood Chips, Refuse or Coke Breeze
[2] May contain No. 4 Fuel Oil, No. 5 Fuel Oil, Crude Oil or Topped Crude
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Vero Beach City of																
1983	2,635	1,056	3.07	-	3.07	-	-	-	2,783	-	-	100	8,094	-	-	8,094
1984	2,394	1,056	3.26	-	3.26	-	-	19	2,528	-	1	99	7,908	-	105	7,803
1985	1,138	1,056	3.31	-	3.31	-	-	-	1,202	-	-	100	3,763	-	-	3,763
1986	936	1,056	2.26	-	2.26	-	-	10	988	-	1	99	2,174	-	55	2,119
Vineland City of																
1982	-	-	-	-	-	-	2,176	507	-	81	19	-	7,048	4,696	2,352	-
1983	-	-	-	-	-	-	1,964	334	-	85	15	-	5,421	3,790	1,630	-
1984	-	-	-	-	-	-	2,770	741	-	79	21	-	9,430	5,734	3,696	-
1985	-	-	-	-	-	-	2,230	365	-	86	14	-	6,219	4,550	1,668	-
1986	-	-	-	-	-	-	1,196	530	-	69	31	-	3,659	2,283	1,376	-
Virginia Electric & Power Co																
1982	[3] 3,104	1,082	4.26	-	4.26	-	168,636	19,746	3,358	88	10	2	406,706	296,385	97,082	13,238
1983	[3] 3,275	1,046	4.39	-	4.39	-	190,441	12,334	3,425	92	6	2	372,500	300,912	57,199	14,390
1984	[3] 3,093	1,041	4.39	-	4.39	-	239,044	17,796	3,219	92	7	1	495,863	397,767	84,515	13,581
1985	[3] 1,478	1,040	3.58	-	3.58	-	187,613	11,640	1,537	93	6	1	374,802	316,459	53,052	5,291
1986	[3] 839	1,053	2.12	-	2.12	-	223,603	23,260	883	90	9	0	388,857	336,341	50,738	1,778
West Penn Power Co																
1982	84	1,000	-	3.75	3.75	100.0	126,355	154	84	100	0	0	203,898	202,495	1,088	316
1983	62	1,000	5.10	-	5.10	-	126,120	144	62	100	0	0	190,951	189,736	895	319
1984	54	1,000	4.53	-	4.53	-	129,346	221	54	100	0	0	191,421	189,776	1,401	244
1985	49	1,000	5.08	-	5.08	-	119,565	196	49	100	0	0	173,900	172,459	1,189	251
1986	72	1,000	5.04	-	5.04	-	128,499	183	72	100	0	0	177,930	176,831	738	361
West Texas Utilities Co																
1982	43,515	1,022	4.18	.21	3.22	24.1	-	756	44,465	-	2	98	144,490	-	4,450	140,040
1983	45,062	999	4.29	.39	3.17	28.7	-	128	45,020	-	0	100	143,382	-	713	142,669
1984	46,352	1,001	4.19	1.43	2.93	45.7	-	1,745	46,382	-	4	96	145,708	-	10,058	135,650
1985	40,431	1,006	3.65	1.35	2.54	48.6	-	-	40,658	-	-	100	102,523	-	-	102,523
1986	43,587	1,018	2.54	.78	1.94	33.9	11,891	287	44,350	21	1	78	104,967	19,418	866	84,683
Western Farmers Elec Coop Inc																
1982	17,010	1,038	3.10	2.37	2.77	45.1	19,280	208	17,657	52	1	48	88,280	39,728	1,412	47,140
1983	9,017	1,232	3.23	3.38	3.37	96.2	24,648	28	11,112	69	0	31	81,143	50,576	167	30,400
1984	15,886	1,021	2.92	2.81	2.85	61.0	15,545	-	16,225	49	-	51	77,599	32,301	-	45,298
1985	9,926	1,036	2.51	2.69	2.60	50.0	17,721	-	10,280	63	-	37	56,340	30,517	-	25,823
1986	12,693	1,040	1.55	2.13	1.82	46.7	11,569	31	13,197	47	0	53	42,858	19,640	80	23,138
Western Massachusetts Elec Co																
1982	3,396	1,000	4.09	-	4.09	-	-	4,463	3,396	-	57	43	33,382	-	19,485	13,896
1983	2,364	1,012	4.50	-	4.50	-	-	3,813	2,391	-	61	39	27,916	-	17,276	10,640
1984	3,490	1,027	4.31	-	4.31	-	-	4,252	3,583	-	54	46	35,627	-	20,601	15,026
1985	3,111	1,028	3.77	-	3.77	-	-	3,499	3,199	-	52	48	26,837	-	15,103	11,734
1986	830	1,027	2.03	-	2.03	-	-	5,937	852	-	87	13	17,192	-	15,506	1,687
Wisconsin Electric Power Co																
1982	2,454	1,016	4.26	-	4.26	-	116,348	726	2,494	97	1	2	215,880	200,511	4,921	10,448
1983	923	998	4.37	-	4.37	-	112,627	587	921	99	1	1	194,410	186,882	3,497	4,031
1984	-	-	-	-	-	-	116,658	581	-	100	0	-	187,689	184,236	3,452	-
1985	-	-	-	-	-	-	119,283	997	-	99	1	-	197,514	192,062	5,452	-
1986	-	-	-	-	-	-	127,410	725	-	99	1	-	194,824	192,189	2,635	-
Wisconsin Power & Light Co																
1982	19	1,015	4.40	-	4.40	-	82,774	-	19	100	-	0	131,797	131,713	-	84
1983	189	988	4.32	-	4.32	-	96,094	-	187	100	-	0	161,184	160,367	-	816
1984	88	980	4.12	-	4.12	-	104,902	-	86	100	-	0	179,116	178,752	-	363
1985	48	1,003	4.31	-	4.31	-	111,266	-	48	100	-	0	186,726	186,518	-	208
1986	200	1,003	3.87	-	3.87	-	112,157	-	201	100	-	0	178,964	178,188	-	776
Wisconsin Public Service Corp																
1982	1	1,009	-	4.12	4.12	100.0	28,272	168	1	99	1	0	59,016	57,867	1,143	6
1983	-	-	-	-	-	-	30,433	183	-	99	1	-	63,054	61,997	1,058	-
1984	68	1,010	4.06	-	4.06	-	38,863	174	69	99	0	0	81,326	80,033	1,015	278
1985	26	1,008	4.03	4.12	4.04	15.2	33,706	180	26	99	1	0	68,050	66,970	976	104
1986	53	1,003	3.48	-	3.48	-	38,504	198	54	99	1	0	75,476	74,605	685	186
Wyandotte Municipal Serv Comm																
1986	35	1,000	-	4.23	4.23	100.0	2,431	-	35	99	-	1	4,825	4,677	-	148

[3] May Contain Coke Oven Gas, Blast Furnace Gas or Refinery Gas
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Quantity Delivered		Average Quality			Average Price in Dollars per Ton			Quantity Delivered		Average Quality		Average Price in Dollars per Bbl			Quantity Delivered	Btu per Gal	Av. Price $/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		
1982	[1] 598,144	90.5	10600	10.6	1.5	34.62	37.60	34.91	[2] 225,731	94.6	149272	1.3	30.50	26.86	30.30	7,049	138505	40.15
1983	[1] 593,150	88.3	10570	10.4	1.5	35.21	33.33	34.99	[2] 211,705	90.3	149488	1.1	28.79	28.25	28.74	7,946	138602	35.45
1984	[1] 684,446	85.5	10554	10.4	1.5	35.06	35.49	35.12	[2] 193,832	92.0	149677	1.1	30.32	29.45	30.25	8,540	138427	35.51
1985	[1] 667,044	88.8	10482	10.0	1.4	34.63	33.74	34.53	[2] 156,410	88.3	149948	1.1	26.94	25.07	26.73	8,537	138540	33.65
1986	[1] 687,323	87.5	10545	10.0	1.4	33.51	31.80	33.29	[2] 220,585	75.2	149821	1.1	15.43	14.14	15.11	7,936	138664	20.62

[1] May contain Petroleum Coke, Wood Chips, Refuse or Coke Breeze
[2] May contain No. 4 Fuel Oil, No. 5 Fuel Oil, Crude Oil or Topped Crude
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and predecessor forms.

Table 52. Profile of Fossil-Fuel Receipts at Electric Utilities for Steam Plants of 50-Megawatt Installed Nameplate Capacity or Larger, 1982-1986 (Continued)

Utility Year	Natural Gas						Total Quantity Delivered						Total Delivered Fuel Cost			
	Amount in 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Percent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			Interupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
1982	[3] 2,988,105	1036	4.49	2.99	3.52	64.1	12,680,266	1,460,765	3,095,972	74	8	18	38,555,865	20,878,695	7,144,754	10,532,416
1983	[3] 2,732,248	1030	4.54	3.06	3.58	65.0	12,539,127	1,383,012	2,814,944	75	8	17	36,938,471	20,754,618	6,404,403	9,779,450
1984	[3] 2,937,766	1035	4.64	3.17	3.71	63.3	14,446,920	1,274,904	3,039,441	77	7	16	41,131,895	24,041,081	6,201,696	10,889,118
1985	[3] 2,860,593	1038	4.10	3.19	3.56	59.4	13,983,349	1,038,221	2,969,712	78	6	17	37,706,760	23,035,496	4,480,800	10,190,464
1986	[3] 2,437,788	1034	2.46	2.40	2.42	61.5	14,495,750	1,434,246	2,520,940	79	8	14	32,288,431	22,884,360	3,495,877	5,908,194

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

Note: Totals may not equal sum of components because of independent rounding.

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

Glossary

Anthracite: A hard, highly lustrous, jet black coal of the highest rank, it is mined in northeast Pennsylvania. (See Coal.)

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

Bcf: The abbreviation for one billion cubic feet.

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

Bituminous Coal: Soft, dense, black coal with well-defined bands of bright and dull material. Ranking between anthracite and subbituminous coal, bituminous coal is mined chiefly in Kentucky, Pennsylvania, and West Virginia. It is the most common solid fossil fuel. (See 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.

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

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

Census Divisions: The nine geographic divisions of the United States established by the U.S. Bureau of the Census for statistical analysis. The boundaries of the Census divisions are congruent with State boundaries. For purposes of this publication, 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, or coalification, 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. (See Anthracite, Bituminous Coal, Subbituminous Coal, Lignite.)

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.

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

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

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

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

Cost: The amount paid to acquire resources such as plant and equipment, fuel, or labor services. Fixed costs in the electric utility industry are associated with resources that cannot be changed easily during a short time span (such as plant and equipment) and are independent of the level of generation. Variable costs

are associated with resources that can vary during a given time period (such as fuel or labor services) and are directly related to the level of generation.

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

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

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

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

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

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

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

EIA: The Energy Information Administration. An independent agency within the U.S. Department of Energy that develops surveys, collects energy data, and does analytical and modeling analysis of energy issues. The Agency must meet the requests of Congress, other elements within the Department of Energy, FERC, the executive branch, its own independent needs, and assist the general public, or other interest groups without taking a policy position.

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

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

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

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

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

Federal Power Commission: The predecessor agency of the Federal Energy Regulatory Commission. The Federal Power Commission was created by an Act of Congress under the Federal Water Power Act on June 10, 1920. It was charged originally with regulating the electric power and natural gas industries. It was abolished on September 30, 1977, when the Department of Energy was created. Its functions were divided between the Department of Energy and the Federal Energy Regulatory Commission, an independent regulatory agency. (See FERC.)

FERC Form 423: The "Monthly Report of Cost and Quality of Fuels for Electric Plants," which collects data on the cost, quality, and sources of fuel. Approximately 230 electric utilities report for each fossil-fueled plant having a total steam generating capacity of 50 or more megawatts.

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

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

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

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

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

Gas: Includes natural gas, coke-oven gas, blast-furnace gas, and refinery gas. Manufactured gas is reported as natural gas on FERC Form 423. (See Natural Gas.)

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

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

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

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

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

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

Internal Combustion Plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion take place, con-

verting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

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

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

Lignite: A brownish-black coal of the lowest rank having approximately 13.4 million Btu per ton; it is mined in North Dakota, Montana, and Texas. (See Coal.)

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

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts. (See Watt.)

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

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

Net Summer Capability: The steady hourly output which generating equipment is expected to supply to system load exclusive of auxiliary power as demonstrated by test 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 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

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

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

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

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

Petroleum: A mixture of hydrocarbons existing in the liquid state found in natural underground reservoirs, often associated with gas. Petroleum includes Fuel Oil Nos. 2, 4, 5, 6, topped crude, kerosene, and jet

fuel. (See Petroleum (Crude Oil.))

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

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

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

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

Prime Mover: The engine, turbine, water wheel, or similar machine that drives an electric generator.

Receipts: Purchases of fuel.

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

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

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

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

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

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

Subbituminous Coal: A dull, black solid fossil fuel ranking between lignite and bituminous coal; it is mined chiefly in Montana and Wyoming. (See Coal.)

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

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

Watt: The electrical unit of power. The rate of energy transfer equivalent to 1 ampere flowing under a pressure of 1 volt at unity power factor. (See Ampere, Current, Power, Volt.)

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.

Technical Notes

1. Sources of Data

Statistics published in the *Cost and Quality of Fuels for Electric Utility Plants - Annual*are based on data collected on the FERC Form 423 - *Monthly Report of Cost and Quality of Fuels for Electric Plants.* A brief summary, which includes the history of this form and information collected, is presented below.

1.1. Summary Statement of the FERC Form 423 Primary Purpose

The Federal Energy Regulatory Commission Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," is a monthly record of each fuel purchase delivered to electric power generation plants with a fossil-fuel steam-electric installed nameplate capacity of 50 megawatts or larger.

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 installed nameplate capacity threshold changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. All historical FPC Form 423 data in this publication have been revised to reflect the new steam installed nameplate capacity threshold of 50 megawatts or larger reported on the FERC Form 423.

1.2. 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, and legally creating the Form 423. Originally, the form included data from steam units only, but was amended in 1974 to include data from internal combustion and combustion turbine units. In November of 1982, the form was amended to exclude internal combustion and combustion turbine units from reporting and to raise the reporting threshold for steam plants from 25 megawatts to 50 megawatts of steam installed nameplate capacity.

The FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants, is submitted by approximately 225 electric utilities for each fossil-fueled plant having a steam generating capacity of 50 megawatts or larger. A 6-month supply of forms is mailed to respondents semi-annually. Completed forms are due on or before the 45th day following the end of the reporting month.

1.3. Data Processing

The Office of Coal, Nuclear, Electric and Alternate Fuels 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 Office of Coal, Nuclear, Electric and Alternate Fuels 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 spot checked against the forms by hand to certify accuracy of the tapes. To insure 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 Office of Coal, Nuclear, Electric and Alternate Fuels 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.

Forms are mailed to respondents using a computerized mailing address file. 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*(2) 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.

1.4. Presentation

Data from the FERC Form 423 are summarized in this publication, as well as the *Electric Power Monthly(2)*, the *Electric Power Quarterly(3)*, the *Electric Power Annual(1)*, the *Monthly Energy Review(5)*.

1.5. Information Collected

The data items supplied each month by all electric utilities for each plant are:

Plant type: fossil-fired steam turbine.

Purchase type (Spot): shipments under purchase orders or contracts of less than one year duration.

Purchase type (Contract): shipments under purchase orders or contracts of more than one year duration.

Fuel type (Coal): anthracite, bituminous coal, subbituminous coal, lignite, petroleum coke.

Fuel type (Petroleum): fuel oil Nos. 2, 4, 5, 6, crude, topped crude, kerosene, jet fuel, liquefied petroleum gas.

Fuel type (Gas): natural gas, synthetic natural gas, liquefied natural gas, refinery gas, blast-furnace gas, coke-oven gas.

Fuel type (Other Fuels): methanol, or as specified by footnote.

Coal mines (Type): surface mined or underground mined.

Coal mines (Location): County, State, and Bureau of Mines (BOM) coal producing district.

Source (Coal): name of mine or broker from which coal originated or was purchased.

Source (Petroleum): supplier, refinery or port of entry.

Source (Gas): pipeline (supplier) or distributor, and if applicable, port of entry.

Receipts: fossil-fuel deliveries.

Receipts (Heat Content): average heat content.

Receipts (Sulfur Content): percentage by weight.

Receipts (Ash Content): percentage by weight.

Receipts (Cost): cents per million Btu.

1.6. Confidentiality of the Data

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

2. Data Editing System

The edit systems are automated to edit data from the form surveys 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.

2.1. Formulae

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

For these formulae, 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" are reported in tons, and "Average Heat Content" units are Btu per pound; U = 2,000 pounds per ton;
- For petroleum, "Receipts" are reported in barrels, and "Average Heat Content" units are Btu per gallon; U = 42 gallons per barrel;

- For gas, "Receipts" are reported in Mcf, and "Average Heat Content" units are Btu per cf; U = 1,000 cf/Mcf.

Total Btu

$$TotalBtu = \sum_i (R_i \times A_i \times U)$$

Where:

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

Weighted Average Btu

$$WeightedAverageBtu = \frac{\sum_i (R_i \times A_i)}{\sum_i R_i}$$

Where:

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

Weighted Average Costs (Cents per Million Btu)

$$WeightedAverageCost = \frac{\sum_i (R_i \times A_i \times C_i)}{\sum_{i=1}^{k} (R_i \times A_i)}$$

Where:

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

Weighted Average Cost (Dollars per Unit)*

$$WeightedAverageCost = \frac{\sum_i (R_i \times A_i \times U \times C_i)}{\sum_i (R_i \times \frac{100¢}{\$})}$$

Where:

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

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

2.2. 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 *.

2.3. Data Correction Procedure

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

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

3. 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.

4. Obtaining Copies of Data

Upon EIA approval of the *Electric Power Monthly*(2), the data become available for public use in computer listings on a cost-recovery basis. Computer listings are obtained by submitting a written request to the following address:

Energy Information Administration
Electric Power Division, EI-541
Forrestal Building, Room 1F-048
Washington, DC 20585

These data are also available monthly on machine-readable tapes. Tapes may be purchased by using Visa, Master Card, or American Express cards as well as money orders or checks payable to the National Technical Information Service (NTIS). Purchasers may also use NTIS and GPO depository accounts. Single issues on tape sell for $175 each. The data are also available on floppy disk.

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

5. Coal Producing Districts

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 following counties: Armstrong County (part), all mines east of the Allegheny River, and those mines served by the Pittsburgh & 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 & 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 & Shawmut Railroad; Fayette County (part), all mines except those on and east of the line of Indian Creek Valley branch of the Baltimore & 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 Torrance, 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 the following county: Nicholas County (part), all mines served by or north of the Baltimore & 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 in eastern 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.

West Virginia--All mines in the following counties: Boone, Cabell, Clay, Kanawha, Lincoln, Logan, Mason, Mingo, Putnam, and Wayne. Selected mines in the following counties: Fayette County (part), all mines west of the Gauley River except mines served by the Gauley River branch of the Chesapeake & Ohio Railroad; McDowell County (part), all mines west of and not served by the Dry Fork branch of the Norfolk & Western Railroad; Nicholas County (part), all mines in that part of the county south of and not served by the Baltimore & Ohio Railroad; Raleigh County (part), all mines on the Coal River branch of the Chesapeake & Ohio Railroad and north thereof; and Wyoming County (part), all mines in that portion served by the Guyandot branch of the Norfolk & Western Railroad and lying west of the mouth of Skin Fork of Guyandot River.

District 9

Kentucky--All mines in the following counties in western Kentucky: Butler, Caldwell, Christian, Crittenden, Daviess, Grayson, Hancock, Henderson, Hopkins, Logan, McLean, Muhlenberg, Ohio, Simpson, Todd, Union, Warren, and Webster.

District 10

Illinois--All mines in the State.

District 11

Indiana--All mines in the State.

District 12

Iowa--All mines in the State.

District 13

Alabama--All mines in the State.

Georgia--All mines in the State.

Tennessee--All mines in the following counties: Bledsoe, Grundy, Hamilton, Marion, McMinn, Rhea, Sequatchie, Van Buren, Warren, and White.

District 14

Arkansas--All mines in the State.

Oklahoma--All mines in the following counties: Haskell, Le Flore, and Sequoyah.

District 15

Kansas--All mines in the State.

Missouri--All mines in the State.

Oklahoma--All mines in the following counties: Coal, Craig, Latimer, McIntosh, Muskogee, Okmulgee, Pittsburg, Rogers, Tulsa, and Wagoner.

Texas--All mines in the State.

District 16

Colorado--All mines in the following counties: Adams, Arapahoe, Boulder, Douglas, Elbert, El Paso, Jackson, Jefferson, Larimer, and Weld.

District 17

Colorado--All mines except those included in District 16. New Mexico--All mines except those included in District 18.

District 18

Arizona--All mines in the State.

California--All mines in the State.

New Mexico--All mines in the following counties: Grant, Lincoln, McKinley, Rio Arriba, Sandoval, San Juan, San Miguel, Santa Fe, and Socorro.

District 19

Idaho--All mines in the State.

Wyoming--All mines in the State.

District 20

Utah--All mines in the State.

District 21

North Dakota--All mines in the State.

South Dakota--All mines in the State.

District 22

Montana--All mines in the State.

District 23

Alaska--All mines in the State.

Oregon--All mines in the State.

Washington--All mines in the State.

District 24. (Pennsylvania Anthracite)

Pennsylvania--All mines in the following counties: Carbon, Columbia, Dauphin, Lackawanna, Lebanon, Luzerne, Northumberland, Schuylkill, Sullivan, and Susquehanna. All anthracite mines in Bradford County.

6. State-by-State listing of Electric Utilities Reporting on FERC Form 423

STATE
Utility (Holding Company)
ALABAMA
Alabama Electric Coop Inc
Alabama Power Co
Tennessee Valley Authority
ARIZONA
Alamito Co
Arizona Electric Pwr Coop Inc
Arizona Public Service Co
Salt River Proj Ag I & P Dist
Tucson Electric Power Co
ARKANSAS
Arkansas Electric Coop Corp
Arkansas Power & Light Co (MSU)
Southwestern Electric Power Co (CSW)
CALIFORNIA
Burbank City of
Glendale City of
Imperial Irrigation District
Pacific Gas & Electric Company
Pasadena City of
San Diego Gas & Electric Co
Southern California Edison Co
Los Angeles City of
COLORADO
Colorado Springs City of
Colorado-Ute Electric Assn Inc.
Platte River Power Authority
Public Service Co of Colorado
CONNECTICUT
Connecticut Light & Power Co
Hartford Electric Light 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 City of
Gulf Power Co
Jacksonville Electric Auth
Lake Worth City of
Lakeland City of
Orlando City of
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 Coy
Commonwealth Edison Co
Electric Energy Inc.
Illinois Power Co
Iowa-Illinois Gas&Electric Co
Southern Illinois Power Coop
Southern Indiana Gas & Elec Co
Springfield City of
Union Electric Co
INDIANA
Commonwealth Edison Co IN Inc.
Hoosier Energy R E C Inc.
Indiana & Michigan Electric Co (AEP)
Indiana-Kentucky Electric Corp
Indianapolis Power & Light Co
Northern Indiana Pub Serv Co
Public Service Co IN Inc
Richmond City of
Southern Indiana Gas & Electric Co
IOWA
Ames City of
Cedar Falls City of
Eastern Iowa Light&Power Coop
Interstate Power Co
Iowa Electric Light & Power Co
Iowa Power & Light Co
Iowa Public Service Co
Iowa Southern Utilities Co
Iowa-Illinois Gas & Electric Co
Muscatine City of
KANSAS
Central Kansas Power Co
Centel Corp
Coffeyville City of
Empire District Electric Co
Kansas City City of
Kansas City Power & Light Co
Kansas Gas & Electric Co
Kansas Power & Light Co
Sunflower Electric Coop Inc.
KENTUCKY
Big Rivers Electric Corp
Cincinnati Gas & Electric Co
East Kentucky Rural Elec Coop
Henderson City of
Kentucky Power Co (AEP)
Kentucky Utilities Co
Louisville Gas & Electric Co
Owensboro City of
Tennessee Valley Authority

LOUISIANA
Alexandria City of
Cajun Electric Power Coop Inc
Central Louisiana Elec Co Inc
Gulf States Utilities Co
Lafayette City of
Louisiana Power & Light Co (MSU)
New Orleans Public Service Inc (MSU)
Ruston City of
Southwestern Electric Power Co (CSW)
MAINE
Bangor Hydro-Electric Co
Central Maine Power Co
MARYLAND
Baltimore Gas & Electric Co
Delmarva Power & Light Co Inc
Potomac Edison Co (APS)
Potomac Electric Power Co
MASSACHUSETTS
Boston Edison Co
Cambridge Electric Light Co (NEGA)
Canal Electric Co
Commonwealth Electric Co (NEGA)
Holyoke Water Power Co (NU)
Montaup Electric Co
New England Power Co (NEES)
Taunton City of
Western Massachusetts Elec Co (NU)
MICHIGAN
Consumers Power Co
Detroit Edison Co
Detroit City of
Grand Haven City of
Holland City of
Lansing City of
Marquette City of
Michigan South Central Pwr Agy
Upper Peninsula Generating Co
Wyandotte Municipal Serv Comm
MINNESOTA
Interstate Power Co
Minnesota Power & Light Co
Northern States Power Co
Otter Tail Power Co
Rochester City of
Rochester Gas & Electric Corp
MISSISSIPPI
Mississippi Power Co (SC)
Mississippi Power & Light Co (MSU)
South Mississippi Electric Power Association
MISSOURI
Associated Electric Coop Inc
Central Electric Pwr Coop-MO
Columbia City of
Empire District Electric Co
Independence City of
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 ElectricCo
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
Community Public Service Co
New Mexico Electric Service
Plains Elec Gen&Trans Coop Inc
Public Service Co of NM
Southwestern Public Service Co
NEW YORK
Central Hudson Gas & Elec Corp
Consolidated Edison Co-NY
Jamestown City of
Long Island Lighting Co
New York State Elec & Gas Corp
Niagara Mohawk Power Corp
Orange and Rockland Utils Inc
Power Authority of State of NY
Rochester City of
NORTH CAROLINA
Carolina Power & Light Co
Duke Power Co
NORTH DAKOTA
Basin Electric Power Coop
Coop Power Assn
Minnkota Power Coop Inc
Montana-Dakota Utilities Co
United Power Assn
OHIO
Cardinal Operating Co (AEP)
Cincinnati Gas & Electric Co
Cleveland Electric Illum Co
Columbus and Southern Ohio El Co

Columbus City of
Dayton Power & Light Co
Hamilton City of
Ohio Edison Co
Ohio Power Co (AEP)
Ohio Valley Electric Corp
Painesville City of
Toledo Edison Co

OKLAHOMA

Grand River Dam Authority
Oklahoma Gas & Electric Co
Public Service Co of Oklahoma (CSW)
Western Farmers Elec Coop Inc
West Texas Utilities Co

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

Narragansett Electric Co (NEES)

SOUTH CAROLINA

Carolina Power & Light Co
Duke Power Co
South Carolina Electric&Gas Co
South Carolina Pub Serv Auth

SOUTH DAKOTA

Otter Tail Power Co

TENNESSEE

Tennessee Valley Authority

TEXAS

Austin City of
Brazos Electric Power Coop Inc
Bryan City of
Central Power & Light Co (CSW)
Denton City of
El Paso Electric Co
Garland City of
Greenville City of
Gulf States Utilities Co
Houston Lighting & Power Co
Lower Colorado River Authority
Lubbock City of
Medina Electric Coop Inc
San Antonio City of
San Miguel Electric Coop Inc
Southwestern Electric Power Company (CSW)
Southwestern Public Service Co
Texas Municipal Power Agency
Texas Utilities Electric Co
West Texas Utilities Co (CSW)

UTAH

Utah Power & Light Co
Los Angeles City of
Deseret Generation and Tran Coop

VIRGINIA

Appalachian Power Co (AEP)
Potomac Electric Power Co
Virginia Electric & Power Co

WASHINGTON

Pacific Power & Light Co

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
Pacific Power & Light Co
Utah Power & Light Co

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