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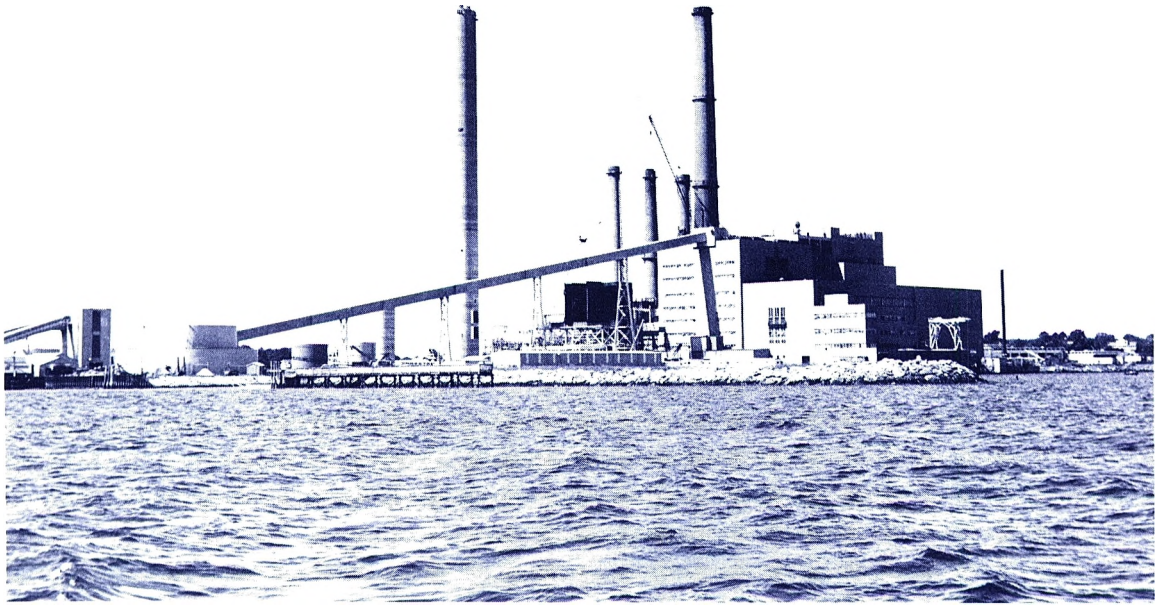
Cost and Quality of Fuels for Electric Utility Plants 1987



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Cost and Quality of Fuels for Electric Utility Plants 1987

Energy Information Administration
Office of Coal, Nuclear,
Electric and Alternate Fuels
U. S. Department of Energy
Washington DC 20585

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Executive Summary

Highlights

In 1987, electric utilities received 721.3 million short tons of coal, 34.3 million short tons more than in 1986. Higher coal consumption levels, new coal-fired units entering commercial operation, and a buildup of coal stocks contributed to this record demand for coal by electric utilities. Petroleum receipts at electric utilities in 1987 totaled 194.6 million barrels, 15 percent less than the 228.5 million barrels received in 1986. Part of the decrease in petroleum receipts in 1987 can be attributed to the higher price charged for No.6 fuel oil. The 1987 gas receipts at electric utilities totaled 2,666.9 billion cubic feet (Bcf), 229.1 Bcf (9 percent) more than the 1986 receipts. Unlike petroleum, the average price of gas receipts at electric utilities declined in 1987. The resulting price differential of 74 cents per million Btu (No. 6 oil, 297.4; gas, 223.5) made gas a likely alternative to higher priced petroleum at electric utilities capable of burning either fuel.

Coal

Increased demand for coal at electric utilities in 1987 can be attributed to three factors: (1) increased sales of electricity (caused by higher growth in industrial output and a warmer than normal summer), (2) deliveries of coal to several new coal-fired units that began commercial operation in late 1986 and 1987, and (3) the possibility of a United Mine Workers(UMW) strike (electric utilities that are dependent upon UMW operated mines for coal supplies increased their stocks as a precaution against a strike).

All Census divisions reported higher coal receipts in 1987 with the largest increase (10 percent) occurring in the West North Central Census Division. The Middle Atlantic and the South Atlantic Census Divisions each increased 8 percent while coal receipts to the Mountain and the West South Central Census Divisions increased 6 percent and 5 percent, respectively.

The possible UMW strike required many electric utilities throughout the eastern United States to build coal stockpiles in case of a supply disruption. Nationwide, year ending stocks were up 9.0 million short tons or 6 percent more than 1986 levels. Some electric utilities reporting higher year ending stocks primarily because of a possible strike include: Dayton Power & Light Company, 1.4 million short tons of coal stocks on December 31, 1987 versus 1.0 million short tons on December 31, 1986; Virginia Electric & Power Company, 2.7 million short tons versus 2.0 million short tons; West Penn Power Company, 1.2 million short tons versus 0.7 million short tons; Hoosier Energy Rural Electric Cooperative, 0.6 million short tons versus 0.4 million; and East Kentucky Power Cooperative, 0.7 million short tons versus 0.5 million short tons.

Coal purchased for the purpose of building stockpiles is often acquired in the spot market as was the case in 1987. Spot market purchases of coal were a record 111.1 million short tons, an increase of 25.2 million short tons or 29 percent. Coal received under contract totaled 610.2 million short tons, an increase of 9.2 million short tons or 2 percent.

Four electric utilities reported significant increases in coal receipts. The Houston Lighting & Power Company reported receipts of 15.9 million short tons, up 24 percent due to higher lignite receipts at the Limestone plant. Additional coal was required to fuel Unit No. 2 which became operational in September 1986. The Los Angeles Department of Water & Power (Intermountain plant) reported receipts of 4.6 million short tons, an increase of 222 percent from 1986 receipts. Additional coal was required to fuel Unit No. 2 which began commercial operation in February 1987. Coal receipts at the Northern States Power Company (located in Minnesota) increased 48 percent. More than one-half of the increase occurred at the Sherburne County plant where Unit No. 3 began commercial operation in July 1987. Coal-fired generation increased 42 percent due to much higher sales of electricity to neighboring utilities. Coal receipts at the Philadelphia Electric Company were up 119 percent. Generation from this company's two coal-fired plants, Cromby and Eddystone, more than doubled, because of the utility's attempt to compensate for an outage at its Peach Bottom nuclear facility.

The Stanton Energy Center (Orlando Utilities Commission) reported its first coal receipts in 1987. Unit No.1 began commercial operation in May 1987. Coal receipts totaled 0.5 million short tons. Another Florida-based electric utility to report significantly higher coal receipts was the Jacksonville Electric Authority which reported receipts of 1.8 million short tons at the St. Johns River coal-fired plant. The first full year of commercial operation for the facility was 1987.

Two electric plants in the State of New York reported significant coal receipts for the first time during 1987. The Central Hudson Gas and Electric Corporation reported receipts of 0.5 million short tons of coal at its Danskammer generating plant. Conversion of Units 3 and 4 at the plant from petroleum-fired units to coal-fired units was completed in 1987. More than one-half of the Danskammer's total generation resulted from these new coal-fired units. The Orange & Rockland Utilities reported coal receipts of 0.2 million short tons at its Lovett generating plant. Units at this plant are being converted to burn coal. Over 28 percent of that plant's generation in 1987 was from coal.

Other electric utilities that reported significantly higher coal receipts in 1987 were the Detroit Edison Company, Central Louisiana Electric Company, Indiana-Kentucky Electric Corporation, Iowa Public Service Company, Lower Colorado River Authority, Northern Indiana Public Service Company, South Carolina

Electric & Gas Company, Tampa Electric Company, and West Texas Utilities Company.

The average delivered price of coal to electric utilities in 1987 was $31.83 per short ton, down 4 percent from the $33.30 reported in 1986. The average delivered price of bituminous coal was $37.88 per short ton, a decrease of 4 percent from the 1986 price of $39.39 per short ton. Subbituminous coal was purchased for an average price of $25.19 per short ton, a decrease of 8 percent from the $27.24 per short ton reported in 1986. The average delivered price of lignite was $13.54 per short ton, an increase of 1 percent more than the $13.34 per short ton reported in 1986.

The average price of coal purchased under contract was $32.01 per short ton, a decrease of $1.50 or 4 percent from the $33.51 per short ton reported in 1986. Coal purchased in the spot market averaged $30.86 per short ton, down $0.95 or 3 percent from 1986 levels.

Some factors responsible for the lower delivered price of coal in 1987 include buy-outs and renegotiations of high-priced coal contracts, renegotiations of rail contracts for hauling coal, increased purchases of lower cost coal on the spot market, and excess production capacity within the coal industry.

One of the largest decreases in the cost of coal delivered to an electric plant occurred at the Mississippi Power Company's Daniel generating station. The delivered cost decreased from $74.39 per short ton to $53.11 per short ton because the company ended the expensive haul of coal from Utah to Mississippi.

Among the electric utilities that reported much lower coal costs in 1987 in comparison to 1986 were Cajun Electric Power Cooperative (Louisiana) $28.70 per short ton versus $32.27 per short ton; Central Operating Company, $33.76 versus $40.09; Dairyland Power Cooperative, $26.30 (includes petroleum coke) versus $34.29; Indiana & Michigan Electric Company, $29.35 versus $35.18; Iowa Public Service Company, $22.34 versus $27.75; Niagara Mohawk Power Company, $38.25 versus $43.55; Omaha Public Power District, $11.70 versus $15.05; San Miguel Electric Cooperative, $9.22 versus $12.78; Utah Power & Light Company, $24.65 versus $29.39; Wisconsin Electric Power Company, $24.92 versus $29.60.

Coal Imports

In 1987, electric utilities imported 0.8 million short tons of coal, a decrease of 48 percent from the 1.5 million short tons imported in 1986. The decrease can be attributed to the Gulf Power Company's decision to stop receiving coal from South Africa. The company received its final shipment in January 1987.

During 1987, coal was imported from Australia, Canada, Colombia, South Africa, and Venezuela. Colombia was the largest supplier of imported coal, delivering 0.6 million short tons to U. S. electric utilities. The Florida Power Corporation was the largest importer of coal with a total of 0.4 million short tons imported from Australia, Colombia, and Venezuela.

Other electric utilities receiving imported coal include Central Power & Light Company, Gulf Power Company, Mississippi Power Company, Public Service Company of New Hampshire, New England Power Company, and Jacksonville Electric Authority (JEA). Imports to JEA should increase substantially in 1988 as a result of Colombia being selected as a primary supplier to the St. Johns River plant.

Petroleum

Petroleum receipts to electric utilities were 194.6 million barrels, down 33.9 million barrels from 1986 receipts of 228.5 million barrels. Petroleum receipts to the Pacific Census Division were 3.2 million barrels, a decrease of 57 percent from 1986 receipts. San Diego Gas & Electric Company (SDG&E) was a major factor in this decline, reporting no receipts in 1987 compared with 3.4 million barrels in 1986. SDG&E, which has the option of burning either petroleum or gas in its dual-fired units, switched from No. 6 fuel oil to less expensive gas as its primary fuel in 1987.

The New England Census Division reported receipts of 50.7 million barrels, a decrease of 10.9 million barrels or 18 percent. All petroleum reporting States within the Census division showed significant decreases in receipts. Receipts to the South Atlantic Census Division decreased 9.8 million barrels or 17 percent. The decline can be traced to Florida, where petroleum receipts decreased 10.9 million barrels.

As in previous years, petroleum receipts were highest in the Middle Atlantic, New England, and South Atlantic Census Divisions. Combined, these Census divisions accounted for 88 percent of all petroleum receipts. At the State level, New York ranked highest with 52.1 million barrels, followed by Florida and Massachusetts with 33.5 million barrels and 27.3 million barrels, respectively.

The average delivered price of petroleum in 1987 ranged from a low of $17.33 per barrel in December to a high of $20.38 per barrel in July. For the year, the average delivered price of petroleum to electric utilities was $19.06 per barrel, up $3.76 per barrel or 25 percent more than the $15.30 per barrel reported in 1986. On a cents-per-million-Btu basis, petroleum averaged 301.1 versus 243.7 reported in 1986.

Petroleum receipts declined at several electric utilities. The Florida Power & Light Company (FP&L) reported receipts of 20.9 million barrels, down 4.5 million barrels from 1986. The Jacksonville Electric Authority (JEA) reduced petroleum receipts by 4.1 million bar-

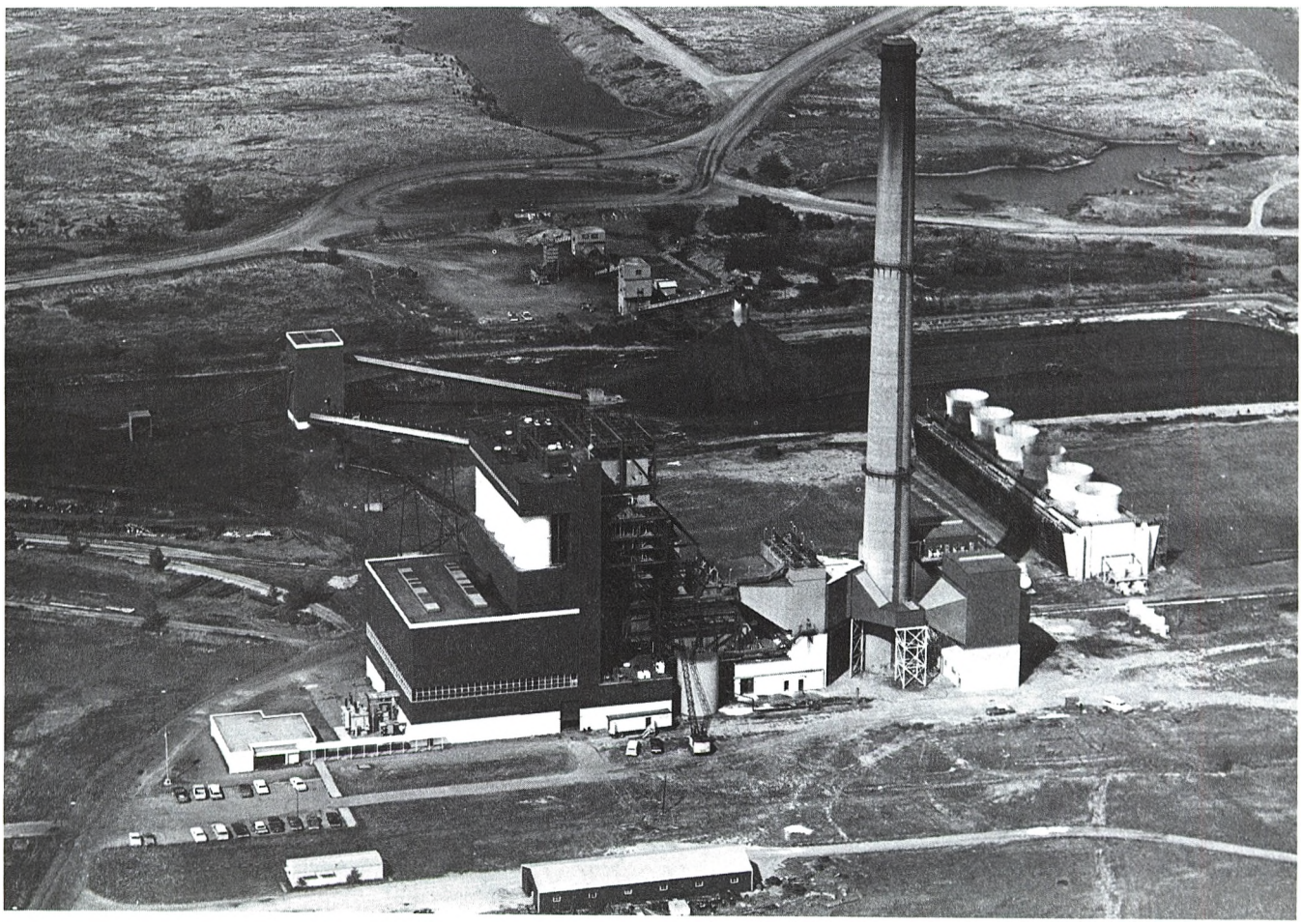
rels or 60 percent. Both the FP&L and the JEA are co-owners of the coal-fired St. Johns River generating plant which began commercial operation in 1987.

The Central Hudson Gas & Electric Corporation reported petroleum receipts of 8.4 million barrels, a decrease of 3.1 million barrels from 1986. The decrease occurred at the Danskammer plant where Units 3 and 4 were converted from petroleum-fired to coal-fired units. In addition, less expensive gas replaced petroleum at Danskammer's dual-fired Units 1 and 2. Other electric utilities reporting large decreases in petroleum receipts in 1987 in comparison to 1986 are the Boston Edison Company, Connecticut Light & Power Company, Niagara Mohawk Power Company, Pennsylvania Power & Light Company, and the Public Service Electric & Gas of New Jersey.

Gas

Gas receipts to electric utilities were 2,666.9 billion cubic feet (Bcf), up 229.1 Bcf from 1986 receipts of 2,437.8 Bcf. Gas receipts were highest in the West South Central and Pacific Census Divisions. These two Census divisions accounted for 2,117.8 Bcf or 79 percent of all gas receipts. Significant increases in gas receipts were reported in the New England, Middle Atlantic, and Pacific Census Divisions. In the New England Census Division, gas receipts were up 33.8 Bcf or 310 percent. Most of this increase occurred at the Boston Edison Company, Connecticut Light & Power, and the United Illuminating Company. Gas receipts to the Middle Atlantic Census Division increased 61.6 Bcf or 39 percent. The largest volume increases were reported by the Public Service Electric & Gas of New Jersey, Niagara Mohawk Power Company, and the Power Authority of State of New York. Gas receipts to the Pacific Census Division were up 194.3 Bcf or 47 percent. The Southern California Edison Company, and the Pacific Gas & Electric Company accounted for most of this increase. At the State level, Texas ranked highest with 1,058.6 Bcf, followed by California and Louisiana with 603.8 Bcf and 238.1 Bcf, respectively.

In 1987, the average delivered price of gas ranged from a low of $2.17 per thousand cubic feet (Mcf) in September 1987 to a high of $2.52 per Mcf in December 1987. For the year, the average delivered price of gas to electric utilities was $2.31 per Mcf, down $0.11 per Mcf or 5 percent from the $2.42 per Mcf reported in 1986. On a cents-per-million-Btu basis, the average price of gas was 223.5, down 5 percent from the 234.4 reported in 1986. When compared to petroleum, the average price of gas was significantly lower. This was a major factor that contributed to higher gas receipts and lower petroleum receipts at electric utilities in 1987.



The Asbury Plant (The Empire District Electric Company) received 638,000 tons of Kansas and Missouri coal in 1987.

Table ES1. Receipts of Fossil Fuels at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1986-1987

Fuel Type	1987	1986	Quantitative Difference	Percent Change
Total Coal (thousand short tons)	**721,298.0**	**686,964.1**	**34,333.9**	**5.0**
Bituminous	439,864.7	416,653.7	23,211.0	5.6
Subbituminous	213,643.1	205,368.5	8,274.6	4.0
Lignite	67,032.3	64,405.9	2,626.4	4.1
Anthracite	758.0	536.0	222.0	41.4
Total Petroleum (thousand barrels)	**194,577.5**	**228,521.5**	**-33,944.0**	**-14.9**
No. 6 Fuel Oil	186,765.0	220,112.6	-33,347.6	-15.2
No. 4 and No. 5 Fuel Oil	535.0	472.7	62.3	13.2
No. 2 Fuel Oil	7,277.6	7,936.2	-658.3	8.3
Total Gas (million cubic feet)	**2,666,866.3**	**2,437,787.8**	**229,078.5**	**9.4**
Natural	2,658,842.3	2,430,251.4	228,590.9	9.4
Other[1]	8,024.0	7,536.5	487.5	6.5

[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 ES2. Average Cost of Fossil Fuels at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1986-1987

Cost (dollars)	1987	1986	Price Difference	Percent Change
Total Coal (per short ton)	**31.83**	**33.30**	**-1.47**	**-4.4**
Contract	32.01	33.51	-1.50	-4.5
Spot	30.86	31.81	-.95	-3.0
Total Petroleum (per barrel)	**19.06**	**15.30**	**3.76**	**24.6**
No. 6 Fuel Oil	18.89	15.10	3.79	25.1
No. 4 and No. 5 Fuel Oil	21.36	17.95	3.41	19.0
No. 2 Fuel Oil	23.34	20.62	2.72	13.2
Total Gas (per Mcf)	**2.31**	**2.42**	**-.11**	**-4.5**
Firm	2.30	2.40	-.10	-4.2
Interruptible	2.32	2.47	-.15	-6.1

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 ES3. Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987

Census Division	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
New England	5,774.4	13,185	1.3	7.8	178.1	46.95
Middle Atlantic	53,854.8	12,401	2.0	12.6	147.6	36.61
East North Central	162,093.2	11,151	1.9	9.0	164.2	36.62
West North Central	89,341.8	8,810	1.1	7.8	120.5	21.23
South Atlantic	129,920.5	12,461	1.5	10.1	166.6	41.51
East South Central	78,047.1	11,886	2.1	11.2	151.2	35.95
West South Central	111,028.9	7,657	.6	10.2	156.2	23.92
Mountain	86,381.7	9,820	.5	10.9	112.1	22.01
Pacific	4,855.7	8,134	.7	13.7	164.9	26.82
Pacific Noncontiguous	-	-	-	-	-	-
Total	**721,298.0**	**10,569**	**1.38**	**10.00**	**150.6**	**31.83**

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 ES4. Petroleum Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987

Census Division	Quantity (thousand barrels)	Average Quality		Average Delivered Cost	
		Btu (per gallon)	Sulfur (percent by weight)	(cents per million Btu)	(dollars per barrel)
New England	50,712.4	151,268	1.3	278.9	17.72
Middle Atlantic	72,696.3	149,396	.8	306.7	19.25
East North Central	6,104.6	147,050	.6	361.2	22.31
West North Central	601.6	144,748	1.0	322.8	19.63
South Atlantic	48,332.7	153,467	1.1	298.1	19.22
East South Central	747.3	140,781	.9	359.5	21.26
West South Central	747.7	140,118	.4	366.3	21.56
Mountain	1,051.3	143,069	.5	334.5	20.10
Pacific	3,209.5	149,094	.3	282.6	17.70
Pacific Noncontiguous	10,374.1	149,252	.4	344.6	21.60
Total	**194,577.5**	**150,692**	**.97**	**301.1**	**19.06**

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 ES5. Gas Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987

Census Division	Quantity (thousand Mcf)	Btu (per cubic Ft.)	Average Delivered Cost	
			(cents per million Btu)	(dollars per Mcf)
New England	44,762.0	1,027	238.3	2.45
Middle Atlantic	218,017.8	1,031	246.8	2.54
East North Central	15,302.0	599	313.6	1.88
West North Central	19,343.0	992	221.7	2.20
South Atlantic	171,885.6	1,011	271.5	2.75
East South Central	37,608.7	1,028	186.5	1.92
West South Central	1,513,994.0	1,038	204.0	2.12
Mountain	42,140.9	1,028	231.2	2.38
Pacific	603,812.2	1,038	250.1	2.59
Pacific Noncontiguous	-	-	-	-
Total	**2,666,866.3**	**1,032**	**223.5**	**2.31**

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 ES6. Monthly Receipts and Average Costs of Fossil Fuels at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Fuel Type, 1987

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	56,653.2	31.33	150.4	19,580.0	19.25	306.8	171,279.6	2.41	233.8	173.3
February	53,169.0	32.33	152.7	16,451.3	18.13	289.0	147,315.3	2.43	236.3	172.1
March	57,621.5	32.60	152.6	14,240.5	18.02	286.6	179,300.8	2.37	229.3	170.0
April	55,218.3	33.27	155.2	14,276.1	18.81	298.8	199,568.5	2.36	228.8	174.2
May	56,425.8	32.88	154.4	12,684.0	19.24	304.1	227,404.6	2.29	221.2	172.7
June	61,046.5	32.14	151.6	15,472.6	19.76	313.9	265,307.4	2.27	219.8	172.3
July	57,881.6	31.18	150.0	20,608.7	20.38	323.9	298,385.6	2.29	221.9	177.3
August	66,256.2	31.57	149.3	20,489.3	19.75	313.6	318,724.8	2.24	216.6	172.6
September	64,605.4	31.63	149.6	12,742.7	20.26	295.7	248,639.6	2.17	209.9	166.1
October	65,413.5	31.81	149.6	12,214.9	18.78	297.9	225,071.0	2.24	217.5	165.6
November	62,844.9	31.07	147.4	15,971.1	18.90	300.1	203,266.3	2.27	220.6	166.1
December	64,162.2	30.55	145.8	19,846.3	17.33	275.9	182,602.8	2.52	244.2	166.8
1987	**721,298.0**	**31.83**	**150.6**	**194,577.5**	**19.06**	**301.1**	**2,666,866.3**	**2.31**	**223.5**	**170.7**

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 ES7. Monthly Receipts and Average Costs of Coal at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Coal Type, 1987

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	33,203.3	159.8	38.19	17,134.0	140.7	25.06	6,276.9	94.9	12.23	39.0	86.9	14.00
February	33,246.2	160.4	38.43	14,586.3	142.7	25.45	5,282.5	101.7	13.11	54.0	86.1	13.84
March	37,150.7	159.0	38.29	14,892.4	143.7	25.57	5,513.4	105.5	13.50	65.0	81.5	12.62
April	35,750.1	158.8	38.14	15,134.7	149.1	26.47	4,278.4	130.9	16.85	55.0	81.0	12.69
May	35,369.4	159.2	38.37	15,871.3	150.0	26.71	5,121.0	112.2	14.38	64.0	77.4	12.70
June	37,299.4	157.3	37.82	18,268.6	145.4	26.03	5,401.6	108.6	13.81	77.0	87.2	13.75
July	32,255.2	158.2	38.11	19,502.1	142.5	25.46	6,039.3	102.5	12.91	85.0	78.3	12.44
August	40,495.7	157.3	37.75	19,663.8	139.0	24.77	6,026.7	97.3	12.49	70.0	80.1	11.92
September	39,061.1	156.6	37.66	19,909.7	140.5	25.04	5,579.6	102.3	13.11	55.0	102.7	16.22
October	40,303.0	155.4	37.41	19,619.6	140.1	25.03	5,413.9	117.5	14.99	77.0	82.5	13.96
November	37,676.6	155.7	37.49	19,594.4	134.9	23.94	5,515.8	101.8	12.70	58.0	95.0	15.93
December	38,053.9	154.3	37.09	19,466.3	132.6	23.55	6,583.0	107.7	13.60	59.0	87.5	13.89
1987	**439,864.7**	**157.6**	**37.88**	**213,643.1**	**141.4**	**25.19**	**67,032.3**	**106.2**	**13.54**	**758.0**	**85.0**	**13.57**

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 ES8. Monthly Receipts and Average Costs of Coal at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Purchase Type and Mining Method, 1987

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	50,515.2	153.3	31.43	6,138.0	129.3	30.47	38,873.8	142.7	27.61	17,779.4	163.9	39.45
February	44,619.6	157.8	32.73	8,549.3	129.2	30.25	35,611.0	145.1	28.52	17,558.0	165.2	40.05
March	49,937.0	156.3	32.76	7,684.6	131.4	31.57	38,446.5	146.3	29.09	19,175.0	162.8	39.64
April	45,427.8	160.7	33.67	9,790.5	132.7	31.37	37,087.4	150.2	30.06	18,130.9	163.7	39.83
May	48,443.9	158.9	33.30	7,981.9	129.8	30.34	38,138.9	149.3	29.58	18,286.9	163.0	39.77
June	51,913.5	155.7	32.42	9,133.1	130.8	30.53	41,623.8	146.2	28.86	19,422.8	161.0	39.17
July	49,674.7	153.4	31.16	8,206.9	132.5	31.29	41,698.8	143.9	27.89	16,182.8	162.5	39.66
August	56,383.5	152.6	31.56	9,872.7	132.9	31.62	45,959.2	142.1	27.95	20,297.0	162.5	39.77
September	54,226.7	153.6	31.72	10,378.7	131.3	31.15	44,538.6	143.4	28.29	20,066.9	160.7	39.05
October	54,130.8	154.5	32.01	11,282.7	129.3	30.86	44,101.6	143.5	28.37	21,311.9	159.8	38.94
November	52,028.9	151.7	31.17	10,816.0	129.1	30.57	43,265.0	140.4	27.52	19,579.9	159.7	38.92
December	52,892.2	149.9	30.60	11,270.0	129.0	30.30	44,146.2	138.9	26.99	20,016.0	158.0	38.40
1987	**610,193.6**	**154.8**	**32.01**	**111,104.4**	**130.6**	**30.86**	**493,490.8**	**144.2**	**28.35**	**227,807.3**	**161.8**	**39.37**

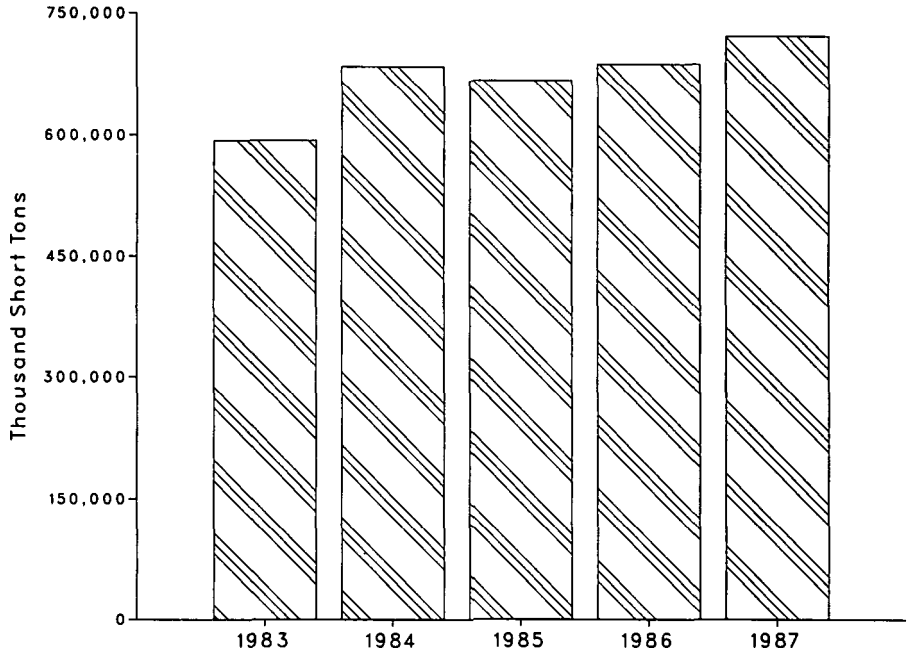
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES9. Monthly Receipts and Average Costs of Petroleum at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Petroleum Type, 1987

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	735.7	382.9	22.32	2.0	401.8	23.80	18,842.4	304.1	19.13
February	471.6	379.4	22.06	21.0	331.6	19.91	15,958.7	286.4	18.01
March	502.0	373.1	21.69	11.0	321.9	19.39	13,727.5	283.6	17.89
April	635.0	373.9	21.76	5.0	338.0	20.41	13,636.1	295.6	18.68
May	580.4	389.9	22.70	15.0	351.8	21.22	12,088.6	300.3	19.07
June	596.5	401.2	23.34	130.0	361.6	21.60	14,746.1	310.2	19.60
July	756.4	384.8	22.79	141.0	372.4	22.34	19,711.4	321.4	20.28
August	602.3	414.7	24.10	112.0	352.4	21.22	19,775.0	310.6	19.61
September	571.8	412.5	24.00	46.0	326.2	19.65	12,125.0	291.0	20.09
October	597.2	429.2	24.94	-	-	-	11,617.7	291.7	18.46
November	654.6	443.2	25.75	47.0	334.6	20.11	15,269.5	294.4	18.60
December	574.2	419.7	24.40	5.0	466.2	28.89	19,267.1	271.9	17.12
1987	**7,277.6**	**400.5**	**23.34**	**535.0**	**355.7**	**21.36**	**186,765.0**	**297.4**	**18.89**

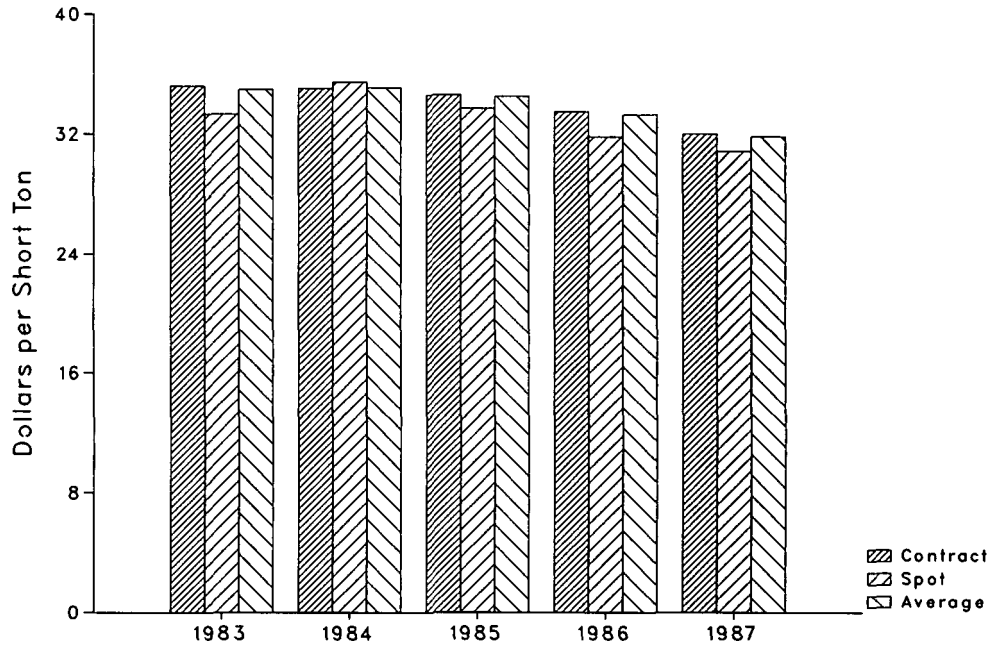
Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure ES1. Receipts of Coal at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987



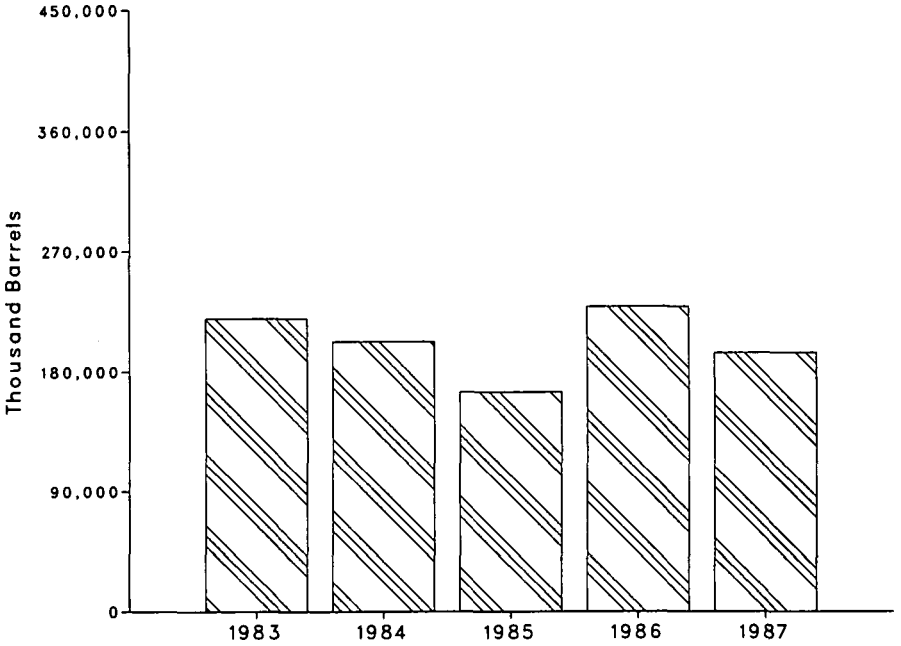
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure ES2. Average Cost of Coal at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987



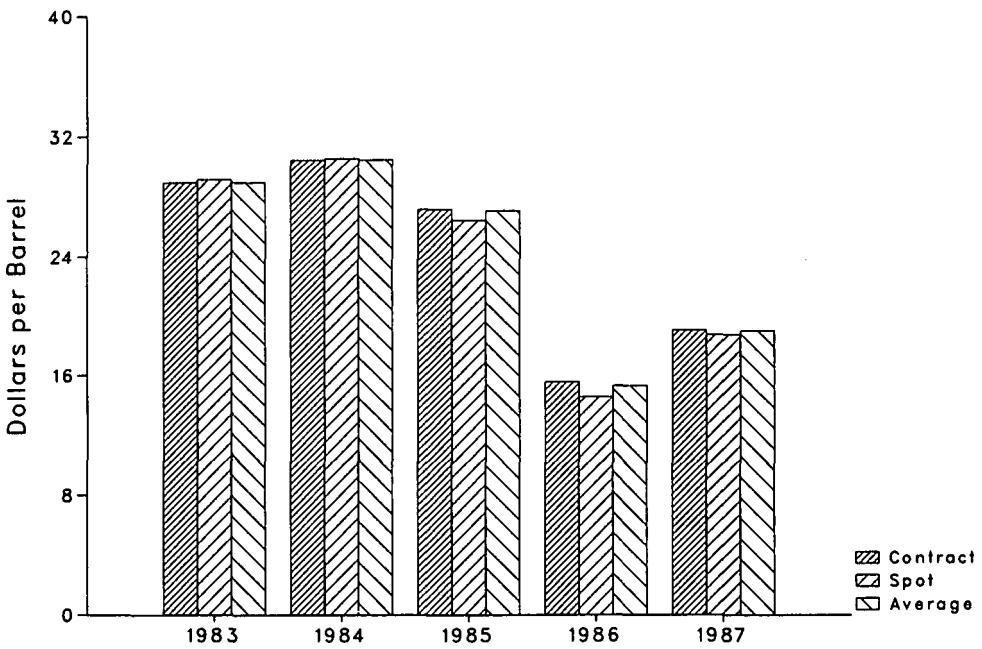
Note: Average costs are weighted by the quantity.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure ES3. Receipts of Petroleum at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987



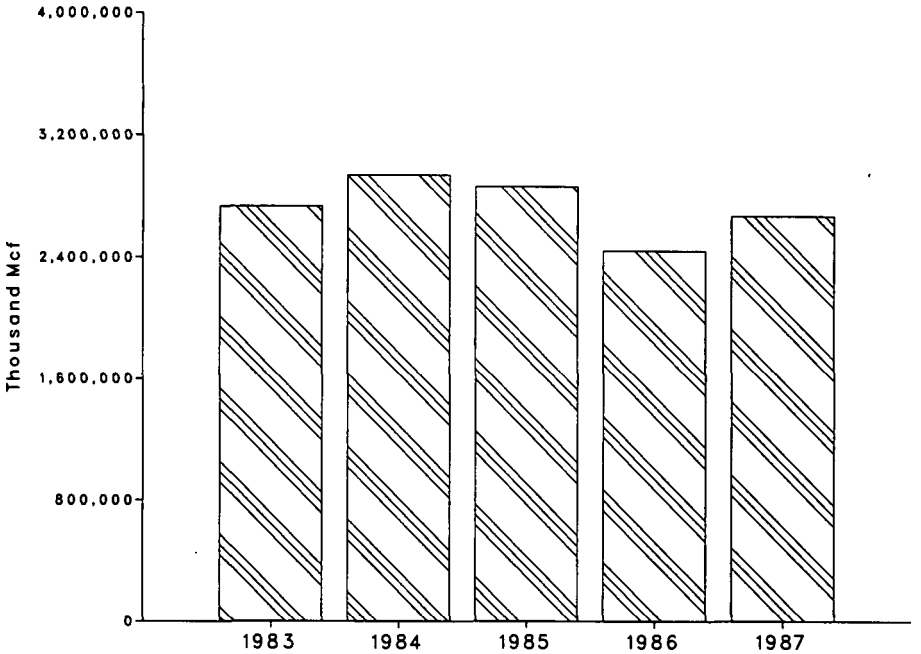
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure ES4. Average Cost of Petroleum at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987



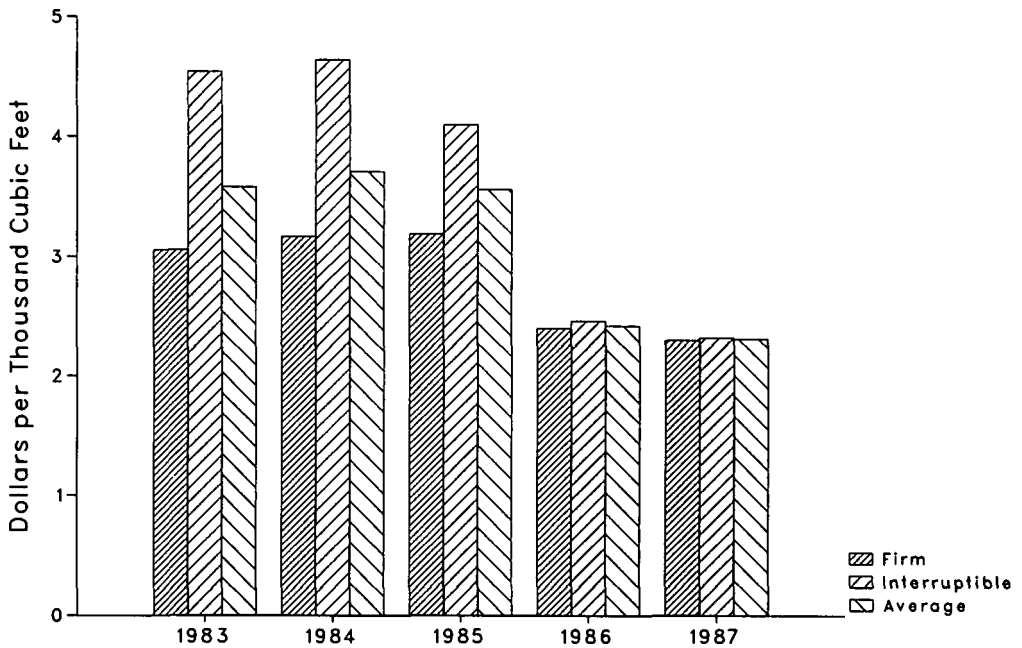
Note: Average costs are weighted by the quantity.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure ES5. Receipts of Gas at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987



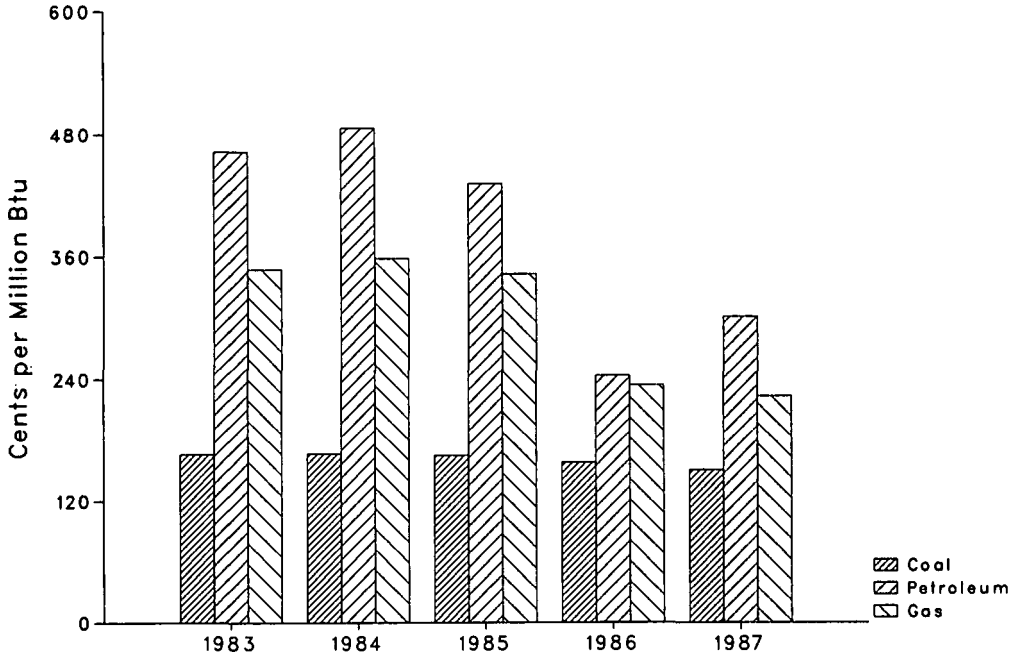
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure ES6. Average Cost of Gas at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987



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."

Figure ES7. Average Cost of Coal, Petroleum, and Gas at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987



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."

Introduction

Background

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. 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. 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).

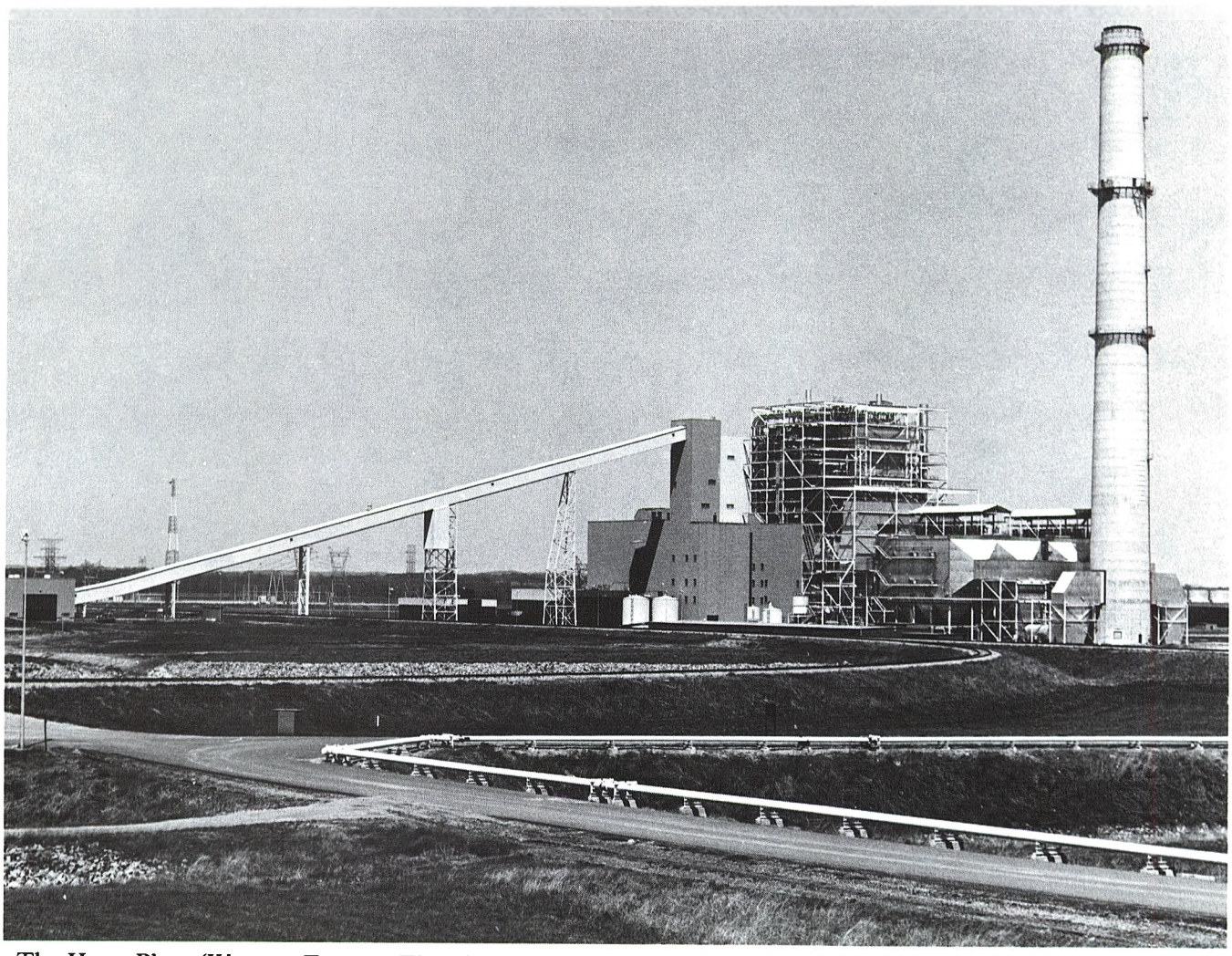
Coverage of Source

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.

The *C&QA* contains annual information on the cost and quality of fossil-fuel receipts to electric utility plants with a combined steam installed nameplate capacity of 50 megawatts or larger. The geographic coverage includes the contiguous United States, Alaska, Hawaii, and the District of Columbia. For a description of the data submitted on this form, see Section 1.5 of the "Technical Notes."

Adjustments to Collected Data

Since a 100 percent response rate was obtained, no adjustments have been made to the collected data to account for nonrespondents. The EPM and the EPQ contain preliminary monthly and quarterly data. Annual data are published in this report and are final.



The Hugo Plant (Western Farmers Electric Cooperative) burns a mixture of Wyoming and Oklahoma coal.

Receipt and Cost Data

Table 1. Contract and Spot Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987
(Thousand Short Tons)

Type of Purchase	1987	1986	1985	1984	1983
Contract	610,193.6	601,012.1	592,406.9	584,821.5	523,554.1
Spot	111,104.4	85,952.0	74,336.5	99,289.2	69,173.5
Total	**721,298.0**	**686,964.1**	**666,743.3**	**684,110.7**	**592,727.7**

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 2. Contract and Spot Coal Costs at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987
(Cents per Million Btu)

Type of Purchase	1987	1986	1985	1984	1983
Contract	32.01	33.51	34.63	35.06	35.21
Spot	30.86	31.81	33.73	35.49	33.34
Average	**31.83**	**33.30**	**34.53**	**35.12**	**34.99**

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

Table 3. Surface and Underground-Mined Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987
(Thousand Short Tons)

Mine Type	1987	1986	1985	1984	1983
Surface-Mined	493,490.8	477,083.5	468,511.6	486,011.8	416,085.5
Deep-Mined	227,807.3	209,880.6	198,231.7	198,098.8	176,642.2
Total	**721,298.0**	**686,964.1**	**666,743.3**	**684,110.7**	**592,727.7**

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 4. Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1983-1987
(Thousand Short Tons)

Census Division	1987	1986	1985	1984	1983
New England	5,774.4	5,717.6	6,052.1	5,301.2	4,252.5
Middle Atlantic	53,854.8	49,713.6	50,030.2	54,202.3	48,191.4
East North Central	162,093.2	161,292.9	151,825.7	162,400.6	139,520.8
West North Central	89,341.8	81,066.5	86,552.2	91,662.2	79,063.3
South Atlantic	129,920.5	120,825.9	115,193.8	124,208.4	104,713.0
East South Central	78,047.1	77,064.3	67,842.9	68,862.2	61,477.6
West South Central	111,028.9	105,426.1	104,082.6	98,620.7	84,121.5
Mountain	86,381.7	81,198.1	80,711.1	74,780.1	67,787.6
Pacific	4,855.7	4,659.0	4,452.7	4,073.0	3,600.0
Pacific Noncontiguous	-	-	-	-	-
Total	**721,298.0**	**686,964.1**	**666,743.3**	**684,110.7**	**592,727.7**

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 5. Coal Receipts and Cost at Steam -Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987

Census Division	Contract Purchases			Spot Purchases		
	Quantity (thousand short tons)	Average Delivered Cost		Quantity (thousand short tons)	Average Delivered Cost	
		(cents per million Btu)	(dollars per short ton)		(cents per million Btu)	(dollars per short ton)
New England	4,435.4	183.4	48.52	1,339.0	160.0	41.75
Middle Atlantic	41,372.0	152.8	37.99	12,482.8	130.3	32.03
East North Central	128,997.9	173.8	38.47	33,095.4	128.2	29.41
West North Central	83,728.4	121.5	21.28	5,613.4	106.9	20.54
South Atlantic	99,890.4	175.3	43.66	30,030.0	137.5	34.33
East South Central	54,255.0	160.1	37.82	23,792.1	131.3	31.68
West South Central	109,259.0	156.5	23.84	1,769.8	141.5	28.76
Mountain	83,474.8	113.0	22.20	2,906.9	85.2	16.46
Pacific	4,780.7	165.5	26.91	75.0	126.9	21.17
Pacific Noncontiguous	-	-	-	-	-	-
Total	**610,193.6**	**154.8**	**32.01**	**111,104.4**	**130.6**	**30.86**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987

Grades of Coal	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		(Btu per Pound)	Sulfur (Percent by Weight)	Ash (Percent by Weight)	(Cents per Million Btu)	(Dollars per Short Ton)
1987						
Bituminous	439,864.7	12,018	1.92	10.52	157.6	37.88
Subbituminous	213,643.1	8,909	.44	7.51	141.4	25.19
Lignite	67,032.3	6,377	.84	14.20	106.2	13.54
Anthracite	758.0	7,981	.58	34.01	85.0	13.57
Total	**721,298.0**	**10,569**	**1.38**	**10.00**	**150.6**	**31.83**
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**

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 7. The 20 Largest Companies Ranked by Total Coal Receipts for Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Company	Total Coal Receipts		Total Estimated Coal Bill (thousand dollars)
	(thousand short tons)	(dollars per short ton)	
1. Tennessee Valley Authority	35,639.0	31.82	1,133,933.7
2. Texas Utilities Electric Co	29,026.0	13.54	392,973.8
3. Georgia Power Co	25,574.3	43.58	1,114,643.2
4. Detroit Edison Co.	19,603.0	38.53	755,350.6
5. Pennsylvania Electric Co	16,651.0	32.19	536,048.2
6. Pacific Power & Light Co	15,992.0	18.99	303,652.3
7. Houston Lighting & Power Co	15,901.2	32.06	509,733.6
8. Ohio Power Co	14,096.3	38.97	549,340.2
9. Alabama Power Co	13,795.9	51.63	712,352.5
10. Basin Electric Power Coop	12,911.0	10.97	141,614.1
11. Monogahela Power Co	12,820.5	32.69	419,140.5
12. Appalachian Power Co	12,014.6	40.55	487,218.9
13. Public Service Co of IN Inc	11,377.1	33.02	375,659.4
14. Arizona Public Service Co	11,176.0	19.95	222,970.0
15. Virginia Elec and Power	10,655.0	36.50	388,936.1
16. Commonwealth Edison Co	10,378.5	55.83	579,449.1
17. Arkansas Power & Light Co	10,045.3	27.40	275,212.3
18. Carolina Power & Light Co	9,709.5	44.80	435,017.5
19. Union Electric Co	9,609.0	36.24	348,206.9
20. Pennsylvania Power and Lt	8,567.0	44.75	383,402.0

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 8. Petroleum Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987
(Thousand Barrels)

Grades of Petroleum	1987	1986	1985	1984	1983
Distillate (No. 2 Fuel Oil)	7,277.6	7,936.2	8,536.4	8,540.2	7,946.1
No. 4 and No. 5 Fuel Oil	535.0	472.7	684.4	1,526.1	866.0
Residual (No. 6 Fuel Oil)	186,765.0	220,112.6	155,725.5	192,305.7	210,839.4
Total	**194,577.5**	**228,521.5**	**164,946.5**	**202,372.0**	**219,651.5**

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 9. Petroleum Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1983-1987
(Thousand Barrels)

Census Division	1987	1986	1985	1984	1983
New England	50,712.4	61,565.0	45,657.6	55,142.2	52,126.6
Middle Atlantic	72,696.3	80,386.4	64,678.3	80,617.3	84,461.2
East North Central	6,104.6	5,495.0	5,633.1	7,042.2	6,631.9
West North Central	601.6	581.7	665.5	894.3	1,288.7
South Atlantic	48,332.7	58,179.8	32,716.5	43,506.9	57,277.6
East South Central	747.3	2,516.7	822.7	828.8	693.6
West South Central	747.7	1,878.6	1,426.0	2,514.6	1,832.1
Mountain	1,051.3	960.6	633.9	531.8	563.8
Pacific	3,209.5	7,542.3	3,523.8	2,092.7	5,909.2
Pacific Noncontiguous	10,374.1	9,415.5	9,189.1	9,201.2	8,866.8
Total	**194,577.5**	**228,521.5**	**164,946.5**	**202,372.0**	**219,651.5**

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 10. Average Cost of Petroleum Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987
(Cents per Million Btu)

Grades of Petroleum	1987	1986	1985	1984	1983
Distillate (No. 2 Fuel Oil)	400.5	354.0	578.2	610.7	608.9
No. 4 and No. 5 Fuel Oil	355.7	296.6	491.4	552.1	541.7
Residual (No. 6 Fuel Oil)	297.4	240.0	424.1	480.7	457.4
Average All Receipts	**301.1**	**243.7**	**431.7**	**486.3**	**462.8**

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

Table 11. Receipts of No. 6 Fuel Oil at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Company	Quantity (thousand barrels)	Average Quality		Average Delivered Cost	
		(Btu per gallon)	Sulfur (percent by weight)	(cents per million Btu)	(dollars per barrel)
Atlantic City Electric Co	1,140.0	151,359	0.9	295.5	18.78
Baltimore Gas & Electric Co	2,095.0	149,624	1.0	301.8	18.98
Bangor Hydro-Electric Co	87.8	150,352	2.1	296.5	18.72
Boston Edison Co	10,647.4	150,895	1.0	277.6	17.59
Bryan City of	1.1	144,870	.1	262.1	15.95
Cambridge Electric Light Co	123.0	150,251	.5	325.4	20.53
Canal Electric Co	8,724.0	151,387	2.1	274.9	17.48
Central Hudson Gas & Elec Corp	8,387.0	151,065	1.3	298.3	18.93
Central Maine Power Co	3,957.9	150,715	.9	293.2	18.56
Central Nebraska Pub P&I Dist	21.9	150,000	1.3	228.7	14.41
Cleveland Electric Illum Co	51.0	152,712	1.2	300.2	19.25
Commonwealth Edison Co	3,468.0	150,947	.7	356.9	22.62
Commonwealth Electric Co	99.0	150,856	.9	293.6	18.60
Connecticut Light & Power Co	9,102.4	149,744	.8	296.9	18.67
Consolidated Edison Co-NY Inc	17,842.1	147,476	.3	315.3	19.53
Consumers Power Co	243.8	147,540	1.0	301.3	18.67
Coop Power Assn	7.2	147,000	2.5	227.9	14.07
Deepwater Operating Co	141.0	149,362	.9	314.3	19.72
Delmarva Power & Light Co	3,051.1	150,698	1.2	278.0	17.59
Detroit City of	320.1	146,933	.7	288.9	17.83
Detroit Edison Co	403.0	145,982	.7	342.8	21.02
Dover City of	396.9	151,533	2.2	272.6	17.35
Florida Power & Light Co	20,945.0	159,417	.9	295.4	19.78
Florida Power Corp	8,610.2	151,053	1.4	277.7	17.62
Gainesville City of	6.6	150,458	1.4	317.3	20.05
Georgia Power Co	75.9	147,000	2.8	306.2	18.91
Gulf States Utilities Co	99.0	150,575	.6	276.6	17.49
Hawaiian Electric Co Inc	10,323.1	149,301	.4	344.1	21.57
Illinois Power Co	97.0	150,381	.7	310.9	19.64
Jacksonville Electric Auth	2,719.0	151,594	1.5	293.3	18.67
Jersey Central Power&Light Co	463.4	148,525	.5	313.9	19.58
Lakeland City of	237.2	149,809	1.8	287.2	18.07
Long Island Lighting Co	18,054.0	151,188	1.4	291.1	18.48
Los Angeles City of	502.0	145,401	.2	260.9	15.93
Louisiana Power & Light Co	21.2	151,104	1.0	271.3	17.22
Mississippi Power & Light Co	148.6	149,817	3.1	206.0	12.96
Mississippi Power Co	1.1	149,577	3.1	337.2	21.18
Montaup Electric Co	20.0	150,420	.8	309.8	19.58
Nevada Power Co	37.0	147,600	.8	187.2	11.61
New England Power Co	7,343.5	152,862	1.7	253.7	16.29
New Orleans Public Service Inc	.2	152,300	1.5	303.3	19.40
Niagara Mohawk Power Corp	5,738.0	150,164	1.2	325.5	20.53
Orange & Rockland Utils Inc	4,159.2	147,280	.3	316.2	19.56
Orlando Utilities Comm	378.3	150,085	.8	293.5	18.50
Pacific Gas & Electric Co	1,630.6	151,598	.3	291.7	18.57
Pennsylvania Power & Light Co	6,934.0	150,657	.9	291.3	18.43
Philadelphia Electric Co	4,275.0	149,531	.5	311.3	19.55
Potomac Electric Power Co	1,471.0	148,710	1.5	321.4	20.07
Power Authority of State of NY	1,932.0	147,751	.2	323.0	20.05
Public Service Co of NH	3,372.4	155,870	1.7	258.2	16.90
Public Service Co of NM	25.9	145,000	1.0	214.2	13.05
Public Service Electric&Gas Co	2,507.1	147,241	.3	322.8	19.96
Salt River Proj Ag I & P Dist	10.7	140,397	.8	224.0	13.21
Savannah Electric & Power Co	141.2	146,685	2.5	310.1	19.10
Sierra Pacific Power Co	408.2	148,800	.7	240.7	15.04
Southern California Edison Co	1,060.9	147,115	.3	276.4	17.08
St Joseph Light & Power Co	39.2	154,599	1.8	233.6	15.17
Tallahassee City of	67.2	151,787	1.6	289.0	18.42
Taunton City of	397.2	148,796	1.9	296.1	18.50
Union Electric Co	225.0	151,485	1.8	241.8	15.39
United Illuminating Co	5,966.8	150,471	.9	288.1	18.21
Vineland City of	155.3	150,530	1.0	298.8	18.89
Virginia Electric & Power Co	5,273.0	147,589	.8	306.3	18.99
Western Massachusetts Elec Co	582.0	150,384	1.6	279.0	17.62
Total	**186,765.0**	**151,179**	**.99**	**297.44**	**18.89**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Dairyland Power Coop	22.6	14,200	5.25	0.50	82.7	23.48
Northern Indiana Pub Serv Co	56.0	14,006	5.47	1.96	99.1	27.77
Northern States Power Co	1.5	14,132	5.64	.50	75.4	21.31
Pennsylvania Power & Light Co	219.0	14,127	4.92	.78	104.8	29.61
Total	299.1	14,110	5.06	.98	101.9	28.76

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-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Company	Total Petroleum Receipts		Total Estimated Petroleum Bill (thousand dollars)
	(thousand barrels)	(dollars per barrel)	
1. Florida Power & Light Co	20,945.0	19.78	414,288.2
2. Long Island Lighting Co	18,054.0	18.48	333,695.7
3. Consolidated Edison Co-NY Inc	17,842.1	19.53	348,438.9
4. Boston Edison Co	10,647.4	17.59	187,324.5
5. Hawaiian Electric Co Inc	10,374.1	21.60	224,099.5
6. Connecticut Light & Power Co	9,126.2	18.68	170,516.2
7. Florida Power Corp	8,829.5	17.76	156,855.8
8. Canal Electric Co	8,724.0	17.48	152,482.2
9. Central Hudson Gas & Elec Corp	8,438.0	18.96	159,952.0
10. New England Power Co	7,501.5	16.34	122,556.9
11. Pennsylvania Power & Light Co	7,269.0	18.62	135,349.6
12. United Illuminating Co	5,973.9	18.21	108,803.9
13. Niagara Mohowk Power Corp	5,738.0	20.53	117,802.1
14. Virginia Electric & Power Co	5,584.0	19.20	107,234.0
15. Philadelphia Electric Co	4,275.0	19.55	83,575.7
16. Orange and Rockland Utils Inc	4,159.2	19.56	81,356.7
17. Central Maine Power Co	3,973.4	18.58	73,827.0
18. Commonwealth Edison	3,708.4	22.77	84,431.0
19. Public Service Co of NH	3,384.6	16.93	57,293.5
20. Delmarva Power & Lt	3,156.7	17.77	56,105.3

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."

Table 14. Gas Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987
(Billion Cubic Feet)

Type of Purchase	1987	1986	1985	1984	1983
Firm	1,388.2	1,500.1	1,698.3	1,860.1	1,775.6
Interruptible	1,246.2	913.1	1,133.0	1,045.6	935.5
Off-Peak	32.4	24.6	29.3	32.1	21.1
Total	**2,666.9**	**2,437.8**	**2,860.6**	**2,937.8**	**2,732.2**

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 15. Gas Receipts at Steam-Electric Plants with an Installed Nameplate Capacity ot 50 Megawatts or Larger, by Census Division, 1983-1987
(Thousand Mcf)

Census Division	1987	1986	1985	1984	1983
New England	44,762.0	10,918.1	43,817.2	32,690.6	23,528.6
Middle Atlantic	218,017.8	156,460.3	216,673.1	240,530.7	208,614.5
East North Central	15,302.0	17,876.6	13,832.7	12,194.6	19,395.4
West North Central	19,343.0	15,999.0	21,009.3	32,288.5	46,714.4
South Atlantic	171,885.6	152,667.0	153,527.3	167,113.1	165,370.3
East South Central	37,608.7	45,660.2	52,012.8	60,779.1	47,309.8
West South Central	1,513,994.0	1,588,124.0	1,682,145.6	1,798,190.2	1,735,845.4
Mountain	42,140.9	40,540.7	53,907.2	47,330.3	48,300.2
Pacific	603,812.2	409,541.8	623,667.5	546,648.6	437,168.9
Pacific Noncontiguous	-	-	-	-	-
Total	**2,666,866.3**	**2,437,787.8**	**2,860,592.9**	**2,937,765.7**	**2,732,247.5**

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 16. Average Cost of Gas Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987
(Cents per Million Btu)

Type of Purchase	1987	1986	1985	1984	1983
Firm	222.4	231.8	308.3	306.8	297.6
Interruptible	224.8	239.3	394.4	447.1	440.2
Off-Peak	222.3	208.3	370.9	427.5	417.4
Average	**223.5**	**234.4**	**343.1**	**358.3**	**347.4**

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

Table 17. The 20 Largest Companies Ranked by Total Gas Receipts for Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Company	Total Gas Receipts		Total Estimated Gas Bill (thousand dollars)
	(thousand Mcf)	(dollars per Mcf)	
1. Texas Utilities Electric Co	359,910.1	2.67	961,097.6
2. Houston Lighting & Power Co	266,586.6	1.71	456,806.3
3. Southern California Edison Co	251,095.7	2.65	666,384.5
4. Pacific Gas & Electric Co	238,595.2	2.63	626,628.4
5. Gulf States Utilities Co	157,651.1	1.78	281,297.8
6. Florida Power & Light Co	111,593.0	2.70	301,728.5
7. Louisanna Power & Light Co	107,319.7	1.44	154,303.1
8. Central Power & Light Co	98,041.0	2.17	212,694.7
9. Oklahoma Gas & Electric Co	96,868.3	2.73	264,373.2
10. Public Service Co of Oklahoma	69,834.0	3.06	213,434.7
11. Consolidated Edison Co-NY Inc	68,457.8	2.69	183,902.3
12. San Antonio City Pub Secv	67,680.3	1.85	125,148.2
13. Los Angeles Dept of	56,026.0	2.60	145,634.8
14. San Diego Gas & Electric Co	45,397.0	2.11	95,940.9
15. West Texas Utilities Co	40,304.0	1.61	65,019.1
16. Pub Serv Elec and Gas-NJ	39,796.7	2.64	104,903.9
17. Arkansas Power & Light Co	32,066.5	1.57	50,325.5
18. New Orleans Pub Serv	31,530.6	1.69	53,208.8
19. Central Louisiana Elec Co Inc	29,116.0	2.10	61,019.7
20. Lower Colorado River Authority	27,887.0	1.66	46,158.1

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 18. Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by State of Origin, 1987

Coal Producing State	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama	15,179.1	12,341	1.27	11.77	204.2	50.39
Arizona	11,336.4	11,001	.50	9.29	95.4	21.00
Colorado	11,990.7	10,617	.40	7.80	143.1	30.39
Illinois	55,481.3	11,158	2.60	9.59	166.3	37.11
Indiana	26,168.1	11,127	2.51	9.15	133.3	29.67
Iowa	130.0	10,484	2.17	7.89	135.3	28.38
Kansas	1,871.3	9,970	4.61	22.05	130.2	25.96
Kentucky	123,959.6	12,132	1.81	10.21	158.7	38.50
Louisiana	2,689.0	6,878	.55	12.15	121.6	16.72
Maryland	2,824.4	12,442	1.62	13.13	134.5	33.46
Missouri	4,201.0	10,419	4.50	13.26	138.2	28.80
Montana	32,202.5	8,979	.52	6.77	151.9	27.28
New Mexico	19,594.5	9,318	.71	19.65	140.2	26.12
North Dakota	18,917.3	6,581	.72	8.81	81.1	10.68
Ohio	33,060.4	11,752	3.18	11.27	157.9	37.11
Oklahoma	1,966.7	12,570	2.29	9.33	149.8	37.66
Pennsylvania	48,546.6	12,380	1.75	12.91	147.1	36.41
Tennessee	4,895.3	12,542	1.27	10.46	143.6	36.01
Texas	45,206.4	6,260	.91	16.61	116.2	14.54
Utah	13,543.2	11,708	.51	9.74	132.1	30.94
Virginia	18,942.6	12,955	1.06	9.21	167.8	43.48
Washington	4,404.0	8,100	.69	14.57	167.8	27.18
West Virginia	80,958.6	12,574	1.60	10.54	156.7	39.40
Wyoming	142,463.7	8,637	.39	5.68	146.0	25.22
Imported	765.5	12,127	.58	7.26	173.5	42.08
Total	**721,298.0**	**10,569**	**1.38**	**10.00**	**150.6**	**31.83**

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

Table 19. Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Bureau of Mines District, 1987

Bureau of Mine District	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
District 1	40,062.8	12,375	1.76	13.71	146.5	36.26
District 2	13,773.4	12,676	1.77	9.48	146.4	37.13
District 3	31,639.9	12,748	2.09	10.35	146.7	37.40
District 4	33,060.4	11,752	3.18	11.27	157.9	37.11
District 6	6,856.4	12,117	3.79	11.32	147.6	35.77
District 7	1,735.8	12,956	.98	9.22	164.3	42.57
District 8	142,083.2	12,518	1.03	9.88	169.1	42.35
District 9	42,339.3	11,570	3.16	11.05	132.9	30.75
District 10	55,481.3	11,158	2.60	9.59	166.3	37.11
District 11	26,168.1	11,127	2.51	9.15	133.3	29.67
District 12	130.0	10,484	2.17	7.89	135.3	28.38
District 13	16,057.4	12,351	1.24	11.79	200.1	49.44
District 14	288.3	13,367	1.37	8.18	152.2	40.70
District 15	55,646.0	6,915	1.33	16.11	121.4	16.79
District 16	33.2	10,376	.30	6.57	118.5	24.60
District 17	12,624.0	10,691	.40	8.14	147.7	31.57
District 18	30,264.4	9,890	.64	15.69	119.4	23.62
District 19	142,463.7	8,637	.39	5.68	146.0	25.22
District 20	13,543.2	11,708	.51	9.74	132.1	30.94
District 21	18,917.3	6,581	.72	8.81	81.1	10.68
District 22	32,202.5	8,979	.52	6.77	151.9	27.28
District 23	4,404.0	8,100	.69	14.57	167.8	27.18
District 24	758.0	7,981	.58	34.01	85.0	13.57
Imported	765.5	12,127	.58	7.26	173.5	42.08
Total	**721,298.0**	**10,569**	**1.38**	**10.00**	**150.6**	**31.83**

Notes: Totals may not equal sum of components because of independent rounding.
Imported includes coal from Australia, Canada, Colombia S.A., South Africa, and Venezuela.
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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by State of Origin, 1987

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	6,958.6	217.3	53.32	5,050.3	194.9	48.59	3,128.9	191.2	47.06	41.3	124.8	30.35
Arizona	11,336.4	95.4	21.00	-	-	-	-	-	-	-	-	-
Colorado	11,955.6	143.3	30.44	11.7	108.3	22.26	23.4	47.4	9.85	-	-	-
Illinois	3,316.6	166.2	36.09	9,937.5	173.3	39.88	22,463.2	164.7	37.36	19,763.9	164.4	35.60
Indiana	1,120.8	161.9	36.66	4,205.0	130.8	29.73	15,195.2	134.0	29.56	5,647.1	127.8	28.55
Iowa	-	-	-	53.0	135.3	28.20	77.0	135.4	28.50	-	-	-
Kansas	-	-	-	-	-	-	156.0	135.8	32.34	1,715.3	129.6	25.38
Kentucky	39,650.0	179.1	45.07	41,149.1	164.8	40.41	23,904.0	141.2	33.56	19,256.5	120.3	27.05
Louisiana	2,689.0	121.6	16.72	-	-	-	-	-	-	-	-	-
Maryland	124.4	117.0	28.17	2,609.0	136.3	34.03	91.0	104.4	24.44	-	-	-
Missouri	-	-	-	48.0	129.9	27.58	85.0	130.2	27.65	4,068.0	138.5	28.84
Montana	32,187.1	151.9	27.28	15.4	172.1	30.00	-	-	-	-	-	-
New Mexico	19,594.5	140.2	26.12	-	-	-	-	-	-	-	-	-
North Dakota	18,306.2	80.7	10.61	611.1	91.8	12.58	-	-	-	-	-	-
Ohio	50.3	133.4	31.54	2,147.6	149.3	35.51	12,603.5	160.9	37.90	18,259.0	156.9	36.77
Oklahoma	916.5	179.7	45.74	78.3	157.9	41.25	59.4	120.1	29.92	912.5	120.1	29.73
Pennsylvania	2,771.6	141.0	32.42	32,835.5	147.2	36.78	12,158.5	149.2	36.70	781.0	127.1	30.63
Tennessee	1,900.4	162.6	40.69	2,591.0	130.1	32.68	403.8	140.8	35.40	-	-	-
Texas	29,637.8	108.5	13.74	15,568.6	131.2	16.07	-	-	-	-	-	-
Utah	13,543.2	132.1	30.94	-	-	-	-	-	-	-	-	-
Virginia	9,043.5	179.0	46.12	9,841.4	157.7	41.08	57.7	147.6	37.82	-	-	-
Washington	4,404.0	167.8	27.18	-	-	-	-	-	-	-	-	-
West Virginia	38,904.3	168.7	42.48	15,387.4	150.2	37.34	16,842.6	143.8	36.83	9,824.3	141.2	34.81
Wyoming	142,373.1	146.0	25.22	79.4	138.7	27.68	-	-	-	11.2	135.7	24.34
Imported	749.9	173.6	42.03	15.6	168.6	44.18	-	-	-	-	-	-
Total	**391,533.9**	**150.4**	**29.12**	**142,234.9**	**155.3**	**36.09**	**107,249.4**	**150.1**	**35.55**	**80,279.9**	**143.7**	**32.54**

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

Table 21. Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Coal Producing Region, 1983-1987
(Thousand Short Tons)

Coal Producing Region	1987	1986	1985	1984	1983
Appalachian Region[1]	286,027.3	269,805.2	255,360.7	273,993.1	236,159.5
Interior Region[2]	132,157.6	128,195.9	122,765.9	136,059.0	115,248.8
Western Region[3]	235,315.4	223,071.3	227,694.3	216,202.6	189,750.0
Other[4]	67,032.3	64,405.9	59,623.5	57,072.6	50,755.6
Total	**720,532.6**	**685,478.3**	**665,444.4**	**683,327.3**	**591,913.9**

[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."

Table 22. Receipts of Appalachian Region Coal at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Electric Coop Inc	1,151.0	11,990	1.37	12.02	157.0	37.65
Alabama Power Co	13,795.9	12,375	1.22	11.70	208.6	51.63
Appalachian Power Co	12,014.6	12,515	.74	10.73	162.0	40.55
Atlantic City Electric Co	616.0	13,045	2.67	9.79	168.3	43.90
Baltimore Gas & Electric Co	2,629.0	12,897	1.11	9.15	161.7	41.71
Cajun Electric Power Coop Inc	208.9	13,061	.65	7.77	181.4	47.38
Cardinal Operating Co	3,853.8	11,782	2.21	13.59	159.9	37.68
Carolina Power & Light Co	9,709.5	12,585	.92	9.51	178.0	44.80
Cedar Falls City of	.1	13,260	.73	8.30	229.1	60.76
Central Hudson Gas & Elec Corp	466.9	13,266	.57	7.68	187.9	49.85
Central Illinois Light Co	1,182.0	13,322	.69	5.83	170.3	45.38
Central Illinois Pub Serv Co	22.3	12,870	.70	6.71	170.4	43.86
Central Operating Co	1,699.5	12,477	1.07	10.65	135.3	33.76
Cincinnati Gas & Electric Co	5,272.1	11,648	1.56	12.93	159.7	37.20
Cleveland Electric Illum Co	5,879.0	12,484	2.71	9.53	151.9	37.92
Columbus & Southern Ohio El Co	3,410.7	11,976	3.04	8.22	156.8	37.56
Columbus City of	55.7	12,274	.78	8.65	163.1	40.03
Consumers Power Co	6,848.0	12,396	.92	9.65	181.2	44.91
Dairyland Power Coop	401.8	13,142	1.47	6.41	151.5	39.81
Dayton Power & Light Co	8,724.3	11,742	1.26	13.30	156.8	36.83
Deepwater Operating Co	187.0	13,121	.78	7.78	164.2	43.10
Delmarva Power & Light Co	2,422.4	13,065	1.01	8.72	181.1	47.33
Detroit Edison Co	9,983.0	13,001	.98	7.45	181.0	47.06
Duke Power Co	8,567.0	12,510	.95	9.99	178.9	44.75
Duquesne Light Co	2,374.0	12,211	1.61	13.09	155.9	38.08
East Kentucky Power Coop	3,198.4	11,904	1.33	11.39	110.4	26.28
Electric Energy Inc	6.2	12,194	.83	12.00	130.2	31.75
Florida Power Corp	5,451.5	12,656	.84	8.97	184.2	46.64
Gainesville City of	445.8	13,390	.79	6.81	168.2	45.05
Georgia Power Co	17,654.6	12,434	1.40	10.40	178.2	44.31
Gulf Power Co	187.3	12,129	2.87	11.59	119.4	28.97
Hamilton City of	98.7	12,441	.64	9.04	141.4	35.19
Holland City of	148.3	13,067	.84	7.41	159.4	41.66
Holyoke Water Power Co	392.1	13,250	1.42	7.47	173.1	45.86
Illinois Power Co	763.3	12,591	.65	9.05	137.4	34.61
Indiana & Michigan Electric Co	572.5	12,646	1.01	7.32	208.6	52.77
Jacksonville Electric Auth	1,325.7	12,633	.94	9.99	165.6	41.83
Jamestown City of	115.8	12,767	1.46	9.98	131.1	33.48
Kentucky Power Co	2,265.8	11,994	1.16	12.79	138.0	33.10
Kentucky Utilities Co	3,982.4	12,501	1.19	10.07	148.7	37.18
Lakeland City of	733.4	12,257	1.57	10.61	200.0	49.02
Lansing City of	1,261.9	13,053	.82	7.13	191.2	49.92
Louisville Gas & Electric Co	.8	11,623	1.24	11.40	64.5	14.99
Manitowoc City of	112.9	13,221	.82	6.64	164.0	43.36
Marquette City of	29.7	12,489	1.17	8.20	181.1	45.24
Metropolitan Edison Co	1,224.5	12,987	1.77	7.94	161.1	41.84
Michigan South Central Pwr Agy	160.9	11,886	3.12	11.09	194.9	46.34
Mississippi Power Co	2,277.7	12,960	.90	7.56	200.3	51.92
Monongahela Power Co	12,820.5	12,643	2.40	10.46	129.3	32.69
Montaup Electric Co	505.8	13,373	1.17	6.92	169.3	45.27
New England Power Co	2,962.0	13,082	1.16	8.35	158.7	41.52
New York State Elec & Gas Corp	3,967.1	12,489	2.00	11.78	152.1	37.99
Niagara Mohawk Power Corp	2,897.0	13,015	1.85	7.76	147.0	38.25
Northern Indiana Pub Serv Co	741.4	13,508	.82	6.35	167.1	45.14
Ohio Edison Co	7,547.5	12,192	2.10	11.20	127.8	31.15
Ohio Power Co	14,096.3	11,542	3.41	13.11	168.8	38.97
Ohio Valley Electric Corp	3,387.0	11,931	3.55	9.92	138.9	33.14
Orange & Rockland Utils Inc	151.2	13,216	.54	7.34	203.8	53.87
Orlando Utilities Comm	538.1	13,396	.97	6.30	189.2	50.68
Painesville City of	92.1	12,420	2.33	8.10	130.2	32.34
Pennsylvania Electric Co	16,651.0	12,168	1.79	15.44	132.3	32.19
Pennsylvania Power & Light Co	9,388.0	12,196	1.66	14.80	165.2	40.30
Pennsylvania Power Co	6,766.0	12,109	3.46	11.46	142.4	34.48
Philadelphia Electric Co	1,279.0	13,035	1.56	7.57	151.4	39.47
Potomac Edison Co	230.8	12,554	.99	11.28	124.2	31.19
Potomac Electric Power Co	6,157.2	12,625	1.55	11.30	159.1	40.16
Public Service Co of NH	1,090.7	13,434	2.22	7.42	192.4	51.70
Public Service Electric&Gas Co	1,811.2	13,339	.94	7.47	180.1	48.06
Richmond City of	22.6	11,524	2.82	12.32	129.7	29.88
Rochester Gas & Electric Corp	532.6	13,232	2.25	7.01	170.0	44.99
S Mississippi Elec Pwr Assn	795.3	12,561	.93	8.40	222.3	55.84
Savannah Electric & Power Co	777.0	13,026	.87	8.66	164.3	42.81
South Carolina Electric&Gas Co	4,778.8	12,878	1.25	8.91	170.7	43.98
South Carolina Pub Serv Auth	4,127.5	12,391	1.18	10.06	179.8	44.56
Tampa Electric Co	2,671.0	13,015	1.22	6.35	198.3	51.62
Tennessee Valley Authority	15,259.1	12,125	1.39	11.19	149.1	36.16
Toledo Edison Co	1,522.5	13,227	1.21	6.61	197.2	52.16

See footnotes at end of table.

Table 22. Receipts of Appalachian Region Coal at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987 (Continued)

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
United Illuminating Co	770.0	13,134	0.49	6.74	242.0	63.56
Upper Peninsula Generating Co	339.0	12,586	.85	9.27	152.8	38.46
Vineland City of	76.8	12,618	.78	8.39	195.7	49.40
Virginia Electric & Power Co	10,655.0	12,632	1.28	10.81	144.5	36.50
West Penn Power Co	5,411.9	12,646	2.29	10.52	136.5	34.51
Wisconsin Electric Power Co	1,189.9	13,076	1.61	7.41	158.4	41.42
Wisconsin Power & Light Co	23.8	13,953	.73	5.20	169.2	47.20
Wisconsin Public Service Corp	20.0	12,750	2.60	8.90	142.4	36.31
Wyandotte Municipal Serv Comm	90.1	13,270	.73	7.06	182.0	48.31
Total	**288,027.3**	**12,414**	**1.61**	**10.81**	**162.1**	**40.26**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Associated Electric Coop Inc	5,110.6	10,664	3.96	10.42	140.5	29.96
Big Rivers Electric Corp	5,055.8	11,169	3.12	12.06	121.8	27.20
Cedar Falls City of	25.8	11,215	2.58	9.92	123.8	27.77
Central Electric Pwr Coop-MO	91.0	11,159	2.94	9.74	114.9	25.65
Central Illinois Light Co	1,027.0	10,518	3.30	8.63	204.8	43.09
Central Illinois Pub Serv Co	4,692.3	11,125	2.85	9.47	169.1	37.62
Central Iowa Power Coop	167.2	11,588	2.79	10.60	112.5	26.08
Cincinnati Gas & Electric Co	1,098.3	11,246	2.60	9.24	127.4	28.64
Columbia City of	63.0	10,656	4.07	11.28	161.7	34.45
Commonwealth Edison Co	2,152.0	10,311	3.40	9.89	165.5	34.12
Dairyland Power Coop	272.6	10,985	2.70	9.14	130.6	28.70
Dayton Power & Light Co	4.3	10,579	2.78	13.34	85.5	18.09
Detroit Edison Co	10.0	11,657	1.43	8.30	136.4	31.80
Electric Energy Inc	2,015.8	11,758	1.93	8.04	161.7	38.02
Empire District Electric Co	849.0	11,187	4.48	18.64	125.5	28.08
Georgia Power Co	7,919.7	11,515	2.54	8.99	182.3	41.98
Grand Haven City of	182.7	10,965	2.57	10.51	156.9	34.41
Grand River Dam Authority	96.4	12,552	3.60	11.29	107.8	27.05
Gulf Power Co	2,973.1	12,271	2.89	9.48	169.6	41.63
Hoosier Energy R E C Inc	2,611.1	10,942	3.44	10.37	146.0	31.95
Illinois Power Co	6,848.2	11,000	2.57	9.84	144.6	31.81
Independence City of	162.9	11,964	3.38	12.15	164.1	39.25
Indiana & Michigan Electric Co	1,590.6	11,018	3.49	9.96	134.6	29.66
Indiana-Kentucky Electric Corp	4,812.0	11,539	3.30	10.31	106.4	24.55
Indianapolis Power & Light Co	5,908.0	11,257	2.04	7.84	120.6	27.15
Interstate Power Co	765.6	10,997	2.83	9.98	151.8	33.40
Iowa Electric Light & Power Co	810.0	11,358	2.27	7.95	132.0	29.98
Iowa Southern Utilities Co	418.1	11,026	2.27	9.37	104.0	22.93
Iowa-Illinois Gas&Electric Co	210.0	11,561	2.27	8.73	108.0	24.97
Jacksonville Electric Auth	347.1	11,738	3.83	12.95	140.6	33.02
Kansas City City of	422.3	11,229	2.42	12.55	215.7	48.45
Kansas City Power & Light Co	2,295.8	9,661	4.70	22.14	127.4	24.62
Kentucky Utilities Co	2,023.0	11,450	2.56	8.52	117.3	26.86
Louisville Gas & Electric Co	4,294.8	11,198	3.28	12.23	132.9	29.78
Madison Gas & Electric Co	93.0	11,409	1.59	8.17	163.4	37.29
Mississippi Power Co	1,291.0	12,262	2.46	7.83	170.9	41.91
Missouri Public Service Comm	671.2	10,958	3.11	10.40	161.3	35.36
Muscatine City of	486.3	11,313	3.06	6.16	202.0	45.70
Northern Indiana Pub Serv Co	3,885.4	11,152	2.90	9.63	164.7	36.73
Oklahoma Gas & Electric Co	369.9	13,161	1.23	7.52	150.4	39.58
Owensboro City of	695.9	10,823	2.96	11.40	135.2	29.26
Public Service Co of IN Inc	11,377.1	10,818	2.42	10.61	152.6	33.02
Public Service Co of Oklahoma	168.0	12,821	.58	6.44	170.9	43.83
Richmond City of	169.7	11,238	2.43	11.08	170.3	38.27
Rochester City of	122.1	12,257	1.72	7.11	192.6	47.21
Seminole Electric Coop Inc	3,052.0	12,132	2.86	8.65	201.1	48.80
Sikeston City of	576.1	11,449	2.22	10.51	149.7	34.27
Southern Illinois Power Coop	655.0	10,950	3.25	17.27	94.6	20.72
Southern Indiana Gas & Elec Co	2,296.4	11,247	3.34	8.92	146.4	32.93
Springfield City of (MO)	644.1	12,407	4.12	10.52	117.9	29.25
Springfield City of (IL)	840.4	10,404	2.92	9.38	158.5	32.99
St Joseph Light & Power Co	111.3	12,164	3.57	14.91	137.1	33.36
Tampa Electric Co	4,276.5	11,799	2.61	9.02	169.4	39.98
Tennessee Valley Authority	20,379.8	11,513	3.20	11.21	124.1	28.57
Union Electric Co	9,278.0	11,186	1.96	9.50	164.9	36.89
Western Farmers Elec Coop Inc	55.3	13,652	.73	6.53	184.6	50.40
Wisconsin Electric Power Co	1,111.6	11,781	1.59	7.40	186.6	43.97
Wisconsin Power & Light Co	1,524.5	11,348	1.94	8.50	160.2	36.36
Wisconsin Public Service Corp	701.0	11,092	2.13	9.66	186.2	41.30
Total	**132,157.6**	**11,264**	**2.84**	**10.26**	**147.3**	**33.18**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alamito Co	908.7	9,617	0.77	13.89	179.5	34.52
Ames City of	140.3	8,511	.27	5.11	141.5	24.08
Arizona Electric Pwr Coop Inc	222.8	11,205	.50	14.31	220.2	49.35
Arizona Public Service Co	11,176.0	9,081	.71	20.10	109.8	19.95
Arkansas Power & Light Co	10,045.3	8,727	.32	5.60	157.0	27.40
Basin Electric Power Coop	6,277.4	8,304	.37	5.48	70.2	11.66
Cajun Electric Power Coop Inc	3,587.5	8,363	.47	5.55	165.1	27.61
Cedar Falls City of	.7	8,527	.39	4.70	141.0	24.05
Central Illinois Pub Serv Co	78.3	11,860	.56	7.51	157.1	37.26
Central Louisiana Elec Co Inc	1,961.0	8,565	.44	6.20	177.3	30.38
Central Power & Light Co	1,864.1	10,726	.36	5.38	208.2	44.67
Colorado Springs City of	1,312.6	10,668	.36	6.84	161.9	34.55
Colorado Ute Electric Assn Inc	5,139.8	10,367	.40	8.05	90.5	18.75
Commonwealth Edison Co IN Inc	985.0	9,506	.36	4.39	294.7	56.03
Commonwealth Edison Co	8,226.5	9,508	.42	6.32	323.5	61.51
Dairyland Power Coop	1,339.1	8,447	.31	4.64	129.1	21.81
Deseret Generation & Tran Coop	1,050.0	10,698	.42	8.80	206.0	44.08
Detroit Edison Co	9,610.0	9,515	.36	4.36	156.0	29.68
Fremont City of	118.9	10,773	.50	7.48	152.3	32.82
Grand Island City of	224.7	8,088	.37	6.07	178.4	28.87
Grand River Dam Authority	2,054.1	8,272	.35	5.21	145.2	24.03
Gulf States Utilities Co	2,181.0	8,573	.46	6.55	191.8	32.88
Hastings City of	163.3	8,070	.39	6.25	178.1	28.75
Houston Lighting & Power Co	8,450.5	8,420	.37	5.54	251.9	42.41
Indiana & Michigan Electric Co	3,273.8	8,231	.35	5.46	152.5	25.10
Interstate Power Co	800.8	8,399	.32	4.60	212.4	35.68
Iowa Electric Light & Power Co	30.0	11,332	.60	4.40	128.8	29.19
Iowa Power & Light Co	2,670.7	8,334	.37	5.13	100.2	16.71
Iowa Public Service Co	3,007.2	9,346	.52	6.43	119.5	22.34
Iowa Southern Utilities Co	2,232.7	8,313	.37	5.74	110.3	18.35
Iowa-Illinois Gas&Electric Co	2,100.0	8,304	.38	5.54	112.7	18.72
Kansas City City of	915.8	8,297	.32	4.86	102.0	16.92
Kansas City Power & Light Co	6,293.6	8,683	.31	4.83	89.4	15.52
Kansas Power & Light Co	8,848.5	8,635	.38	4.99	131.6	22.72
Los Angeles City of	4,598.3	11,859	.56	8.74	130.4	30.94
Lower Colorado River Authority	4,224.0	8,517	.36	5.64	155.7	26.52
Marquette City of	139.8	9,244	.48	5.27	177.3	32.77
Minnesota Power & Light Co	3,223.8	8,636	.78	8.77	139.8	24.14
Montana Power Co	7,376.0	8,649	.62	8.85	63.6	11.00
Nebraska Public Power District	2,911.8	8,892	.37	5.01	103.8	18.45
Nevada Power Co	1,497.6	11,911	.53	8.79	202.5	48.24
Northern Indiana Pub Serv Co	436.0	10,770	.45	6.78	251.3	54.14
Northern States Power Co	9,319.8	8,725	.42	6.50	112.2	19.59
Oklahoma Gas & Electric Co	5,699.7	8,921	.36	4.93	152.7	27.25
Omaha Public Power District	2,908.3	8,290	.33	5.02	70.6	11.70
Pacific Power & Light Co	15,992.0	8,662	.62	10.60	109.6	18.99
Plains Elec Gen&Trans Coop Inc	611.8	9,598	.74	14.16	163.9	31.46
Platte River Power Authority	1,142.1	8,771	.27	5.09	75.8	13.30
Portland General Electric Co	376.7	8,484	.32	4.68	140.2	23.78
Public Service Co of Colorado	5,772.4	9,399	.36	6.33	126.5	23.78
Public Service Co of NM	5,037.0	9,426	.78	22.05	156.6	29.52
Public Service Co of Oklahoma	2,786.0	8,275	.42	6.03	164.7	27.25
Salt River Proj Ag I & P Dist	8,708.7	10,884	.49	10.05	113.6	24.74
San Antonio City of	2,657.0	8,308	.36	5.72	166.5	27.67
Sierra Pacific Power Co	1,102.7	10,964	.39	8.62	185.3	40.63
Southern California Edison Co	4,292.9	10,984	.53	9.99	104.5	22.96
Southwestern Electric Power Co	6,657.0	8,407	.33	4.64	181.4	30.51
Southwestern Public Service Co	7,200.5	8,837	.37	4.98	171.2	30.26
Sunflower Electric Coop Inc	902.1	8,282	.35	5.57	105.5	17.47
Texas Municipal Power Agency	22.5	8,451	.34	5.40	154.0	26.03
Tucson Electric Power Co	225.2	10,151	.41	11.38	256.3	52.03
Union Electric Co	331.0	8,460	.50	6.01	105.8	17.91
Upper Peninsula Generating Co	1,086.0	9,167	.54	6.63	215.1	39.44
Utah Power & Light Co	8,197.0	11,112	.51	9.71	110.9	24.65
West Texas Utilities Co	1,856.0	8,278	.35	5.13	167.9	27.79
Western Farmers Elec Coop Inc	894.6	8,315	.47	5.85	175.5	29.19
Wisconsin Electric Power Co	4,366.4	8,359	.36	5.50	93.2	15.58
Wisconsin Power & Light Co	4,236.0	8,546	.46	6.54	157.5	26.92
Wisconsin Public Service Corp	1,236.0	8,882	.34	4.93	198.2	35.22
Total	**235,315.4**	**9,124**	**.45**	**7.67**	**142.6**	**26.01**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Company	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Basin Electric Power Coop	6,633.6	6,662	0.64	8.47	77.4	10.32
Central Louisiana Elec Co Inc	2,689.0	6,878	.55	12.15	121.6	16.72
Coop Power Assn	4,592.2	6,254	.70	10.45	93.7	11.72
Houston Lighting & Power Co	7,450.7	6,502	1.06	17.97	156.2	20.31
Lower Colorado River Authority	138.0	6,444	1.36	13.43	157.6	20.31
Minnkota Power Coop Inc	3,627.0	6,717	.74	7.50	54.4	7.31
Montana-Dakota Utilities Co	2,450.6	6,878	.93	8.21	89.2	12.27
Otter Tail Power Co	789.0	6,119	.87	8.20	127.0	15.55
San Miguel Electric Coop Inc	2,524.7	5,369	1.68	24.82	85.8	9.22
Southwestern Electric Power Co	2,807.0	6,788	1.52	10.93	110.5	15.00
Texas Municipal Power Agency	3,260.0	4,752	1.01	24.90	145.3	13.81
Texas Utilities Electric Co	29,026.0	6,393	.72	15.18	105.9	13.54
United Power Assn	1,044.5	6,697	.64	9.93	101.7	13.62
Total	**67,032.3**	**6,377**	**.84**	**14.20**	**106.2**	**13.54**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by State, 1987
(Thousand Short Tons)

Destination	Origin												
	Alabama	Arizona	Colorado	Illinois	Indiana	Iowa	Kansas	Kentucky	La.	Maryland	Missouri	Montana	N Mexico
Alabama	14,691.7	-	-	151.6	-	-	-	2,406.8	-	-	-	-	-
Arizona	-	7,043.5	173.3	-	-	-	-	-	-	-	-	-	5,365.4
Arkansas	-	-	-	-	-	-	-	-	-	-	-	-	-
California	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	8,491.5	-	-	-	-	-	-	-	-	-	-
Connecticut	-	-	-	-	-	-	-	770.0	-	-	-	-	-
Delaware	-	-	-	-	-	-	-	57.2	-	-	-	-	-
Florida	244.1	-	-	3,917.7	258.8	-	-	14,534.1	-	-	-	-	-
Georgia	205.9	-	-	5,725.6	684.6	-	-	13,370.4	-	-	-	-	-
Illinois	-	-	-	15,823.9	1,326.4	-	-	2,716.1	-	-	-	2,075.5	-
Indiana	-	-	323.6	11,124.5	18,229.5	-	-	4,017.4	-	-	-	985.0	-
Iowa	-	-	-	1,975.2	404.0	130.0	-	161.2	-	-	133.0	-	-
Kansas	-	-	-	480.5	-	-	1,538.9	-	-	-	235.2	-	-
Kentucky	-	-	-	7.2	2,758.1	-	-	25,758.8	-	-	-	-	-
Louisiana	-	-	-	-	-	-	-	-	2,689.0	-	-	-	-
Maryland	-	-	-	-	-	-	-	316.0	-	1,471.9	-	-	-
Massachusetts	-	-	-	-	-	-	-	21.0	-	78.3	-	-	-
Michigan	-	-	-	10.0	182.7	-	-	10,716.2	-	-	-	10,705.8	-
Minnesota	-	-	-	122.1	79.7	-	-	-	-	-	-	6,889.0	-
Mississippi	37.4	-	-	693.7	-	-	-	2,592.8	-	-	-	-	-
Missouri	-	-	-	12,976.2	19.0	-	332.4	-	-	-	3,832.8	-	-
Montana	-	-	-	-	-	-	-	-	-	-	-	7,595.6	-
Nebraska	-	-	77.9	-	-	-	-	-	-	-	-	.5	-
Nevada	-	4,292.9	-	-	-	-	-	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico	-	-	-	-	-	-	-	-	-	-	-	-	14,176.1
New York	-	-	-	-	-	-	-	369.1	-	7.6	-	-	-
North Carolina	-	-	-	-	-	-	-	8,411.5	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	59.0	-	-	9,110.7	-	-	-	-	-
Oklahoma	-	-	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania	-	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	8,400.8	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee	-	-	-	1,047.6	-	-	-	16,302.3	-	-	-	-	-
Texas	-	-	1,864.1	-	-	-	-	-	-	-	-	2,311.3	43.0
Utah	-	-	1,050.0	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	2,649.2	-	7.0	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia	-	-	-	-	-	-	-	1,051.9	-	1,259.6	-	-	-
Wisconsin	-	-	10.2	1,425.5	2,166.3	-	-	226.0	-	-	-	1,639.8	10.1
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**15,179.1**	**11,336.4**	**11,990.7**	**55,481.3**	**26,168.1**	**130.0**	**1,871.3**	**123,959.6**	**2,689.0**	**2,824.4**	**4,201.0**	**32,202.5**	**19,594.5**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by State, 1987 (Continued)

(Thousand Short Tons)

Destination	Origin												
	N Dakota	Ohio	Okla	Penn.	Tenn.	Texas	Utah	Virginia	Wash.	W Va.	Wyoming	Imports	Total
Alabama	-	2,602.6	-	-	886.6	-	-	-	-	-	-	-	20,739.3
Arizona	-	-	-	-	-	-	122.4	-	-	-	9.6	-	12,714.2
Arkansas	-	-	-	-	-	-	-	-	-	-	11,709.3	-	11,709.3
California	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	-	-	-	-	230.3	-	-	-	4,645.1	-	13,366.9
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-	770.0
Delaware	-	-	-	531.2	-	-	-	-	-	1,833.9	-	-	2,422.4
Florida	-	-	416.7	-	-	-	-	1,172.8	-	1,457.3	-	551.5	22,553.0
Georgia	-	-	-	-	1,546.0	-	-	3,588.5	-	1,230.3	-	-	26,351.3
Illinois	-	-	-	-	-	-	78.3	-	-	338.0	6,151.0	-	28,509.3
Indiana	-	73.3	-	-	-	-	-	369.1	-	172.9	3,386.2	-	38,681.6
Iowa	-	-	-	-	-	-	-	-	-	-	10,982.4	-	13,785.7
Kansas	-	-	67.1	-	-	-	-	-	-	-	12,711.5	-	15,033.2
Kentucky	-	763.4	-	26.6	175.5	-	-	-	-	2,281.3	-	-	31,771.0
Louisiana	-	-	-	-	-	-	-	-	-	208.9	7,729.5	-	10,627.3
Maryland	-	7.0	-	2,838.6	-	-	-	-	-	3,553.2	-	-	8,186.7
Massachusetts	-	-	-	635.6	-	-	-	1,705.1	-	1,419.9	-	29.0	3,888.9
Michigan	-	944.7	-	2,187.8	-	-	-	651.0	-	4,361.2	130.0	-	29,889.3
Minnesota	48.0	-	-	-	-	-	-	-	-	-	5,654.6	-	12,793.4
Mississippi	-	48.0	-	-	-	-	-	164.8	-	827.1	-	65.9	4,429.8
Missouri	-	-	793.3	-	-	-	-	-	-	-	4,579.5	-	22,533.1
Montana	-	-	-	-	-	-	-	-	-	-	-	-	7,595.6
Nebraska	-	-	-	-	-	-	-	-	-	-	6,248.6	-	6,327.0
Nevada	-	-	-	-	-	-	2,360.9	-	-	-	239.5	-	6,893.2
New Hampshire	-	-	-	-	-	-	-	76.2	-	1,014.5	-	24.8	1,115.5
New Jersey	-	8.0	-	8.0	-	-	-	655.0	-	2,020.0	-	-	2,691.0
New Mexico	-	-	-	-	-	-	-	-	-	-	-	-	14,176.1
New York	-	106.0	-	4,655.9	-	-	-	-	-	2,991.9	-	-	8,130.6
North Carolina	-	-	-	-	268.8	-	-	4,160.5	-	4,988.5	-	-	17,829.3
North Dakota	18,128.3	-	-	-	-	-	-	-	-	-	-	-	18,128.3
Ohio	-	24,880.9	-	3,427.0	-	-	-	31.0	-	10,876.0	-	-	48,384.5
Oklahoma	-	-	689.6	-	-	-	-	-	-	-	11,434.3	-	12,124.0
Oregon	-	-	-	-	-	-	-	-	-	-	376.7	-	376.7
Pennsylvania	-	3,525.5	-	32,398.2	-	-	-	-	-	7,109.5	-	-	43,033.2
South Carolina	-	-	-	-	44.4	-	-	863.1	-	45.2	-	-	9,353.5
South Dakota	741.0	-	-	-	-	-	-	-	-	-	-	-	741.0
Tennessee	-	-	-	-	1,974.0	-	-	1,447.3	-	335.8	-	-	21,107.0
Texas	-	-	-	-	-	45,206.4	-	-	-	-	27,049.2	94.3	76,568.2
Utah	-	-	-	-	-	-	10,751.3	-	-	-	-	-	11,801.3
Virginia	-	-	-	-	-	-	-	4,005.7	-	2,245.1	-	-	8,907.0
Washington	-	-	-	-	-	-	-	-	4,404.0	-	75.0	-	4,479.0
West Virginia	-	100.9	-	231.7	-	-	-	34.7	-	31,638.5	-	-	34,317.2
Wisconsin	-	-	-	1,605.9	-	-	-	17.8	-	9.5	9,517.4	-	16,628.6
Wyoming	-	-	-	-	-	-	-	-	-	-	19,834.4	-	19,834.4
Total	**18,917.3**	**33,060.4**	**1,966.7**	**48,546.6**	**4,895.3**	**45,206.4**	**13,543.2**	**18,942.6**	**4,404.0**	**80,958.6**	**142,463.7**	**765.5**	**721,298.0**

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 27. Imported Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987

Utility Name Year/Country	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		(Btu per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Power & Light Co						
1987 Australia	57.1	12,549	0.54	11.80	149.5	37.52
1987 Colombia S.A.	37.2	11,951	.53	6.50	188.8	45.13
Florida Power Corp						
1984 Colombia S.A.	17.7	12,588	.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
1987 Australia	26.1	12,345	.69	9.71	150.3	37.11
1987 Colombia S.A.	333.3	12,236	.54	5.39	182.5	44.66
1987 Venezuela	19.3	12,744	.68	7.90	150.0	38.23
Gulf Power						
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
1987 South Africa	79.3	11,650	.47	12.80	220.8	51.45
Jacksonville Electric Auth						
1987 Colombia S.A.	93.6	11,646	.58	7.90	137.0	31.91
Mississippi Power Co						
1987 Colombia S.A.	65.9	12,206	.49	4.27	173.5	42.35
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
1987 Colombia S.A.	29.0	11,928	.72	7.15	132.5	31.61
Public Service Co of NH						
1987 Canada	15.6	13,100	1.80	8.50	168.6	44.18
1987 Colombia S.A.	9.2	11,825	.67	7.30	153.8	36.37
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."

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

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					
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 Power 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	Partuculate 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)		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					
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) 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)
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

Note: Data for 1987 are not available.
Source: Department of Energy, Office of Environmental Analysis, Form ESH-872, "Flue Gas Desulfurization Information System"

Table 29. Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987
(Thousand Short Tons)

Census Division and State	Receipts by Type of Coal				
	Anthracite	Bituminous	Subbituminous	Lignite	Total
New England	-	**5,774.4**	-	-	**5,774.4**
Connecticut	-	770.0	-	-	770.0
Maine	-	-	-	-	-
Massachusetts	-	3,888.9	-	-	3,888.9
New Hampshire	-	1,115.5	-	-	1,115.5
Rhode Island	-	-	-	-	-
Vermont	-	-	-	-	-
Middle Atlantic	**758.0**	**53,096.8**	-	-	**53,854.8**
New Jersey	-	2,691.0	-	-	2,691.0
New York	-	8,130.6	-	-	8,130.6
Pennsylvania	758.0	42,275.2	-	-	43,033.2
East North Central	-	**127,871.0**	**34,222.2**	-	**162,093.2**
Illinois	-	20,282.8	8,226.5	-	28,509.3
Indiana	-	34,360.7	4,320.9	-	38,681.6
Michigan	-	19,053.5	10,835.8	-	29,889.3
Ohio	-	48,384.5	-	-	48,384.5
Wisconsin	-	5,789.6	10,839.0	-	16,628.6
West North Central	-	**24,441.3**	**45,983.2**	**18,917.3**	**89,341.8**
Iowa	-	2,833.4	10,952.4	-	13,785.7
Kansas	-	3,167.4	11,865.8	-	15,033.2
Minnesota	-	201.8	12,543.6	48.0	12,793.4
Missouri	-	18,129.6	4,403.5	-	22,533.1
Nebraska	-	109.1	6,217.9	-	6,327.0
North Dakota	-	-	-	18,128.3	18,128.3
South Dakota	-	-	-	741.0	741.0
South Atlantic	-	**129,920.5**	-	-	**129,920.5**
Delaware	-	2,422.4	-	-	2,422.4
District of Columbia	-	-	-	-	-
Florida	-	22,553.0	-	-	22,553.0
Georgia	-	26,351.3	-	-	26,351.3
Maryland	-	8,186.7	-	-	8,186.7
North Carolina	-	17,829.3	-	-	17,829.3
South Carolina	-	9,353.5	-	-	9,353.5
Virginia	-	8,907.0	-	-	8,907.0
West Virginia	-	34,317.2	-	-	34,317.2
East South Central	-	**78,047.1**	-	-	**78,047.1**
Alabama	-	20,739.3	-	-	20,739.3
Kentucky	-	31,771.0	-	-	31,771.0
Mississippi	-	4,429.8	-	-	4,429.8
Tennessee	-	21,107.0	-	-	21,107.0
West South Central	-	**3,266.6**	**59,866.9**	**47,895.4**	**111,028.9**
Arkansas	-	-	11,709.3	-	11,709.3
Louisiana	-	208.9	7,729.5	2,689.0	10,627.3
Oklahoma	-	829.4	11,294.6	-	12,124.0
Texas	-	2,228.4	29,133.5	45,206.4	76,568.2
Mountain	-	**17,447.0**	**68,715.1**	**219.6**	**86,381.7**
Arizona	-	1,970.3	10,743.9	-	12,714.2
Colorado	-	1,376.4	11,990.5	-	13,366.9
Idaho	-	-	-	-	-
Montana	-	-	7,376.0	219.6	7,595.6
Nevada	-	2,360.9	4,532.4	-	6,893.2
New Mexico	-	-	14,176.1	-	14,176.1
Utah	-	11,739.4	61.9	-	11,801.3
Wyoming	-	-	19,834.4	-	19,834.4
Pacific	-	-	**4,855.7**	-	**4,855.7**
California	-	-	-	-	-
Oregon	-	-	376.7	-	376.7
Washington	-	-	4,479.0	-	4,479.0
Pacific Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**758.0**	**439,864.7**	**213,643.1**	**67,032.3**	**721,298.0**

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 30. Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1983-1987

(Thousand Short Tons)

Census Division and State	1987	1986	1985	1984	1983
New England	**5,774.4**	**5,717.6**	**6,052.1**	**5,301.2**	**4,252.5**
Connecticut	770.0	817.0	774.0	110.0	-
Maine	-	-	-	-	-
Massachusetts	3,888.9	3,948.3	3,845.4	3,983.8	3,236.5
New Hampshire	1,115.5	952.3	1,432.7	1,207.4	1,016.0
Rhode Island	-	-	-	-	-
Vermont	-	-	-	-	-
Middle Atlantic	**53,854.8**	**49,713.6**	**50,030.2**	**54,202.3**	**48,191.4**
New Jersey	2,691.0	2,579.0	3,207.4	3,065.6	3,039.9
New York	8,130.6	6,296.5	7,480.4	7,805.1	6,376.0
Pennsylvania	43,033.2	40,838.2	39,342.4	43,331.6	38,775.5
East North Central	**162,093.2**	**161,292.9**	**151,825.7**	**162,400.6**	**139,520.8**
Illinois	28,509.3	32,966.4	31,091.1	32,358.6	31,259.9
Indiana	38,681.6	36,890.1	36,841.7	41,479.8	31,118.8
Michigan	29,889.3	27,148.4	24,057.0	25,102.2	22,412.7
Ohio	48,384.5	47,473.1	44,511.2	47,959.2	40,642.6
Wisconsin	16,628.6	16,815.0	15,324.7	15,500.7	14,086.7
West North Central	**89,341.8**	**81,066.5**	**86,552.2**	**91,662.2**	**79,063.3**
Iowa	13,785.7	11,384.4	12,215.3	12,860.8	11,147.3
Kansas	15,033.2	13,902.6	14,261.3	15,223.8	13,053.0
Minnesota	12,793.4	9,323.6	11,004.5	11,366.1	9,651.6
Missouri	22,533.1	21,241.1	22,161.9	27,387.5	23,167.4
Nebraska	6,327.0	5,780.5	6,387.4	6,276.6	5,333.3
North Dakota	18,128.3	17,568.3	18,352.3	16,239.3	14,696.6
South Dakota	741.0	1,866.0	2,169.5	2,308.0	2,014.0
South Atlantic	**129,920.5**	**120,825.9**	**115,193.8**	**124,208.4**	**104,713.0**
Delaware	2,422.4	2,296.2	2,248.6	2,782.9	2,765.2
District of Columbia	-	-	-	-	-
Florida	22,553.0	18,311.4	17,492.4	15,587.8	12,454.6
Georgia	26,351.3	27,329.0	26,256.0	28,550.3	21,855.8
Maryland	8,186.7	7,806.6	6,609.6	8,458.0	6,080.1
North Carolina	17,829.3	19,145.0	19,657.7	19,969.5	20,503.5
South Carolina	9,353.5	7,609.2	8,274.2	7,313.1	6,968.1
Virginia	8,907.0	7,333.7	6,813.8	8,038.3	6,821.9
West Virginia	34,317.2	30,994.7	27,841.5	33,508.5	27,263.9
East South Central	**78,047.1**	**77,064.3**	**67,842.9**	**68,862.2**	**61,477.6**
Alabama	20,739.3	22,181.2	20,504.6	17,121.1	17,090.8
Kentucky	31,771.0	28,147.6	24,677.4	26,981.3	24,380.8
Mississippi	4,429.8	4,200.6	4,009.1	4,207.1	3,594.8
Tennessee	21,107.0	22,534.8	18,651.8	20,552.6	16,411.2
West South Central	**111,028.9**	**105,426.1**	**104,082.6**	**98,620.7**	**84,121.5**
Arkansas	11,709.3	11,855.7	11,883.8	10,751.3	8,793.1
Louisiana	10,627.3	10,093.1	8,308.9	8,023.0	3,616.0
Oklahoma	12,124.0	12,007.0	12,895.0	12,605.0	10,671.1
Texas	76,568.2	71,470.3	70,994.9	67,241.4	61,041.3
Mountain	**86,381.7**	**81,198.1**	**80,711.1**	**74,780.1**	**67,787.6**
Arizona	12,714.2	12,885.7	14,292.5	13,397.4	12,768.8
Colorado	13,366.9	13,421.3	14,171.5	13,684.4	11,770.8
Idaho	-	-	-	-	-
Montana	7,595.6	7,498.1	5,460.0	5,023.0	2,010.4
Nevada	6,893.2	7,614.5	5,604.2	6,606.4	6,423.2
New Mexico	14,176.1	13,763.7	14,133.3	14,368.9	14,242.4
Utah	11,801.3	7,378.3	6,696.0	4,695.0	5,215.0
Wyoming	19,834.4	18,636.5	20,353.6	17,005.0	15,357.0
Pacific	**4,855.7**	**4,659.0**	**4,452.7**	**4,073.0**	**3,600.0**
California	-	-	-	121.1	-
Oregon	376.7	-	52.7	351.9	-
Washington	4,479.0	4,659.0	4,400.0	3,600.0	3,600.0
Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**721,298.0**	**686,964.1**	**666,743.3**	**684,110.7**	**592,727.7**

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 31. Petroleum Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987

(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	**289.1**	-	-	**50,423.4**	-	**50,712.4**
Connecticut	30.9	-	-	15,069.2	-	15,100.1
Maine	15.6	-	-	4,045.6	-	4,061.2
Massachusetts	230.4	-	-	27,104.1	-	27,334.5
New Hampshire	12.2	-	-	3,372.4	-	3,384.6
Rhode Island	-	-	-	832.0	-	832.0
Vermont	-	-	-	-	-	-
Middle Atlantic	**968.2**	-	-	**71,728.1**	-	**72,696.3**
New Jersey	22.3	-	-	8,551.4	-	8,573.7
New York	109.2	-	-	51,967.7	-	52,076.9
Pennsylvania	836.7	-	-	11,209.0	-	12,045.7
East North Central	**1,521.7**	-	-	**4,582.9**	-	**6,104.6**
Illinois	385.8	-	-	3,565.0	-	3,950.9
Indiana	276.5	-	-	-	-	276.5
Michigan	393.9	-	-	966.9	-	1,360.9
Ohio	380.9	-	-	51.0	-	431.9
Wisconsin	84.5	-	-	-	-	84.5
West North Central	**308.3**	-	-	**293.3**	-	**601.6**
Iowa	69.1	-	-	-	-	69.1
Kansas	73.5	-	-	-	-	73.5
Minnesota	30.3	-	-	-	-	30.3
Missouri	84.4	-	-	264.2	-	348.6
Nebraska	3.5	-	-	21.9	-	25.3
North Dakota	39.6	-	-	7.2	-	46.8
South Dakota	8.0	-	-	-	-	8.0
South Atlantic	**2,338.6**	**526.5**	-	**45,467.6**	-	**48,332.7**
Delaware	93.2	-	-	2,666.7	-	2,759.9
District of Columbia	16.0	526.5	-	-	-	542.5
Florida	563.0	-	-	32,963.5	-	33,526.5
Georgia	183.0	-	-	217.1	-	400.1
Maryland	394.6	-	-	4,347.4	-	4,741.9
North Carolina	265.4	-	-	-	-	265.4
South Carolina	115.9	-	-	-	-	115.9
Virginia	262.8	-	-	5,273.0	-	5,535.8
West Virginia	444.7	-	-	-	-	444.7
East South Central	**597.6**	-	-	**149.6**	-	**747.3**
Alabama	190.6	-	-	-	-	190.6
Kentucky	239.0	-	-	-	-	239.0
Mississippi	36.2	-	-	149.6	-	185.8
Tennessee	131.9	-	-	-	-	131.9
West South Central	**617.7**	-	**8.5**	**121.5**	-	**747.7**
Arkansas	144.4	-	-	-	-	144.4
Louisiana	69.2	-	-	21.4	-	90.6
Oklahoma	34.6	-	-	-	-	34.6
Texas	369.4	-	8.5	100.1	-	478.0
Mountain	**569.4**	-	-	**481.9**	-	**1,051.3**
Arizona	285.3	-	-	10.7	-	296.0
Colorado	30.6	-	-	-	-	30.6
Idaho	-	-	-	-	-	-
Montana	24.0	-	-	-	-	24.0
Nevada	21.3	-	-	445.3	-	466.5
New Mexico	43.9	-	-	25.9	-	69.8
Utah	47.0	-	-	-	-	47.0
Wyoming	117.3	-	-	-	-	117.3
Pacific	**16.0**	-	-	**3,193.5**	-	**3,209.5**
California	-	-	-	3,193.5	-	3,193.5
Oregon	-	-	-	-	-	-
Washington	16.0	-	-	-	-	16.0
Pacific Noncontiguous	**51.0**	-	-	**10,323.1**	-	**10,374.1**
Alaska	-	-	-	-	-	-
Hawaii	51.0	-	-	10,323.1	-	10,374.1
Total	**7,277.6**	**526.5**	**8.5**	**186,765.0**	-	**194,577.5**

[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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1983-1987

(Thousand Barrels)

Census Division and State	1987	1986	1985	1984	1983
New England	**50,712.4**	**61,565.0**	**45,657.6**	**55,142.2**	**52,126.6**
Connecticut	15,100.1	18,061.7	16,618.1	20,489.5	19,606.7
Maine	4,061.2	4,595.5	3,000.2	3,566.1	3,395.0
Massachusetts	27,334.5	32,802.4	23,223.1	27,163.0	25,954.3
New Hampshire	3,384.6	4,663.1	2,261.7	3,334.1	2,667.6
Rhode Island	832.0	1,442.3	554.4	589.5	503.0
Vermont	-	-	-	-	-
Middle Atlantic	**72,696.3**	**80,386.4**	**64,678.3**	**80,617.3**	**84,461.2**
New Jersey	8,573.7	12,299.7	10,593.8	16,598.2	17,075.5
New York	52,076.9	53,181.3	40,773.6	48,690.0	52,828.4
Pennsylvania	12,045.7	14,905.4	13,310.9	15,329.1	14,557.3
East North Central	**6,104.6**	**5,495.0**	**5,633.1**	**7,042.2**	**6,631.9**
Illinois	3,950.9	2,627.6	3,435.9	4,717.4	4,727.2
Indiana	276.5	334.9	427.0	345.0	284.3
Michigan	1,360.9	1,951.4	984.5	1,296.8	1,025.4
Ohio	431.9	418.4	573.1	538.4	448.4
Wisconsin	84.5	162.7	212.6	144.7	146.6
West North Central	**601.6**	**581.7**	**665.5**	**894.3**	**1,288.7**
Iowa	69.1	59.5	109.3	85.5	62.3
Kansas	73.5	109.3	99.5	204.0	150.9
Minnesota	30.3	18.1	18.5	19.8	58.9
Missouri	348.6	305.1	339.0	416.2	551.6
Nebraska	25.3	21.1	2.5	12.0	62.7
North Dakota	46.8	46.4	80.1	143.8	372.7
South Dakota	8.0	22.1	16.6	13.0	29.7
South Atlantic	**48,332.7**	**58,179.8**	**32,716.5**	**43,506.9**	**57,277.6**
Delaware	2,759.9	3,603.1	2,676.8	3,219.6	3,401.5
District of Columbia	542.5	431.2	256.8	620.5	485.0
Florida	33,526.5	44,414.6	21,574.3	29,925.3	46,143.6
Georgia	400.1	539.0	523.6	121.3	25.0
Maryland	4,741.9	4,800.7	5,152.0	6,056.4	4,637.2
North Carolina	265.4	189.3	206.4	221.8	162.4
South Carolina	115.9	101.3	118.7	111.3	101.8
Virginia	5,535.8	3,689.3	1,835.8	2,812.9	1,918.7
West Virginia	444.7	411.3	372.0	417.8	402.3
East South Central	**747.3**	**2,516.7**	**822.7**	**828.8**	**693.6**
Alabama	190.6	218.9	245.1	183.1	168.4
Kentucky	239.0	240.8	273.5	353.5	232.5
Mississippi	185.8	1,920.2	182.3	150.0	141.8
Tennessee	131.9	136.8	121.8	142.2	150.9
West South Central	**747.7**	**1,878.6**	**1,426.0**	**2,514.6**	**1,832.1**
Arkansas	144.4	132.2	122.4	201.2	180.0
Louisiana	90.6	418.9	171.5	219.0	491.5
Oklahoma	34.6	80.1	55.6	38.8	46.2
Texas	478.0	1,247.4	1,076.5	2,055.6	1,114.4
Mountain	**1,051.3**	**960.6**	**633.9**	**531.8**	**563.8**
Arizona	296.0	269.5	182.0	180.9	117.4
Colorado	30.6	39.0	33.5	56.9	106.0
Idaho	-	-	-	-	-
Montana	24.0	43.0	86.0	40.3	-
Nevada	466.5	319.1	43.8	22.1	39.8
New Mexico	69.8	86.4	82.3	59.8	72.6
Utah	47.0	72.5	55.0	54.0	91.0
Wyoming	117.3	131.1	151.4	117.9	137.0
Pacific	**3,209.5**	**7,542.3**	**3,523.8**	**2,092.7**	**5,909.2**
California	3,193.5	7,520.1	3,494.4	2,061.8	5,883.2
Oregon	-	.2	15.4	9.9	4.0
Washington	16.0	22.0	14.0	21.0	22.0
Noncontiguous	**10,374.1**	**9,415.5**	**9,189.1**	**9,201.2**	**8,866.8**
Alaska	-	-	-	-	-
Hawaii	10,374.1	9,415.5	9,189.1	9,201.2	8,866.8
Total	**194,577.5**	**228,521.5**	**164,946.5**	**202,372.0**	**219,651.5**

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 33. Gas Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987

(Thousand Mcf)

Census Division and State	Receipts by Type of Gas			
	Natural Gas	LNG and SNG[1]	Other[2]	Total
New England	**44,762.0**	-	-	**44,762.0**
Connecticut	7,369.8	-	-	7,369.8
Maine	-	-	-	-
Massachusetts	31,681.7	-	-	31,681.7
New Hampshire	-	-	-	-
Rhode Island	5,710.5	-	-	5,710.5
Vermont	-	-	-	-
Middle Atlantic	**218,017.8**	-	-	**218,017.8**
New Jersey	52,671.7	-	-	52,671.7
New York	165,094.9	-	-	165,094.9
Pennsylvania	251.2	-	-	251.2
East North Central	**8,489.9**	-	**6,812.1**	**15,302.0**
Illinois	2,419.4	-	-	2,419.4
Indiana	1,089.0	-	-	1,089.0
Michigan	3,587.7	-	6,812.1	10,399.8
Ohio	529.8	-	-	529.8
Wisconsin	864.1	-	-	864.1
West North Central	**19,343.0**	-	-	**19,343.0**
Iowa	2,638.5	-	-	2,638.5
Kansas	10,834.8	-	-	10,834.8
Minnesota	3,570.1	-	-	3,570.1
Missouri	857.6	-	-	857.6
Nebraska	1,438.3	-	-	1,438.3
North Dakota	3.6	-	-	3.6
South Dakota	-	-	-	-
South Atlantic	**170,673.7**	-	**1,211.9**	**171,885.6**
Delaware	6,815.5	-	1,040.9	7,856.4
District of Columbia	-	-	-	-
Florida	151,729.3	-	-	151,729.3
Georgia	805.0	-	-	805.0
Maryland	8,687.0	-	-	8,687.0
North Carolina	-	-	-	-
South Carolina	236.4	-	-	236.4
Virginia	2,313.0	-	171.0	2,484.0
West Virginia	87.5	-	-	87.5
East South Central	**37,608.7**	-	-	**37,608.7**
Alabama	858.1	-	-	858.1
Kentucky	319.4	-	-	319.4
Mississippi	36,431.3	-	-	36,431.3
Tennessee	-	-	-	-
West South Central	**1,513,994.0**	-	-	**1,513,994.0**
Arkansas	32,066.5	-	-	32,066.5
Louisiana	238,149.6	-	-	238,149.6
Oklahoma	185,158.3	-	-	185,158.3
Texas	1,058,619.5	-	-	1,058,619.5
Mountain	**42,140.9**	-	-	**42,140.9**
Arizona	14,324.5	-	-	14,324.5
Colorado	5,022.3	-	-	5,022.3
Idaho	-	-	-	-
Montana	476.7	-	-	476.7
Nevada	7,021.6	-	-	7,021.6
New Mexico	15,200.8	-	-	15,200.8
Utah	5.0	-	-	5.0
Wyoming	90.0	-	-	90.0
Pacific	**603,812.2**	-	-	**603,812.2**
California	603,812.2	-	-	603,812.2
Oregon	-	-	-	-
Washington	-	-	-	-
Pacific Noncontiguous	-	-	-	-
Alaska	-	-	-	-
Hawaii	-	-	-	-
Total	**2,658,842.3**	-	**8,024.0**	**2,666,866.3**

[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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1983-1987

(Thousand Mcf)

Census Division and State	1987	1986	1985	1984	1983
New England	**44,762.0**	**10,918.1**	**43,817.2**	**32,690.6**	**23,528.6**
Connecticut	7,369.8	740.0	1,562.3	2,228.2	-
Maine	-	-	-	-	-
Massachusetts	31,681.7	10,178.1	39,656.0	26,711.7	20,450.4
New Hampshire	-	-	-	65.5	-
Rhode Island	5,710.5	-	2,598.9	3,685.2	3,078.2
Vermont	-	-	-	-	-
Middle Atlantic	**218,017.8**	**156,460.3**	**216,673.1**	**240,530.7**	**208,614.5**
New Jersey	52,671.7	24,270.9	45,908.3	72,655.7	74,752.7
New York	165,094.9	131,958.8	170,715.4	167,821.3	133,799.3
Pennsylvania	251.2	230.6	49.4	53.7	62.5
East North Central	**15,302.0**	**17,876.6**	**13,832.7**	**12,194.6**	**19,395.4**
Illinois	2,419.4	5,487.1	4,958.8	4,623.1	7,879.3
Indiana	1,089.0	890.7	900.6	910.0	2,419.8
Michigan	10,399.8	10,019.5	6,804.8	5,158.0	6,443.5
Ohio	529.8	276.4	311.5	337.8	409.0
Wisconsin	864.1	1,202.9	857.0	1,165.7	2,243.9
West North Central	**19,343.0**	**15,999.0**	**21,009.3**	**32,288.5**	**46,714.4**
Iowa	2,638.5	1,241.1	1,666.4	1,875.6	2,316.0
Kansas	10,834.8	11,349.0	16,538.7	26,491.2	39,341.6
Minnesota	3,570.1	1,308.7	867.9	1,222.6	1,426.1
Missouri	857.6	748.9	949.0	1,546.7	2,537.0
Nebraska	1,438.3	1,351.3	987.3	1,152.3	1,093.7
North Dakota	3.6	-	-	-	-
South Dakota	-	-	-	-	-
South Atlantic	**171,885.6**	**152,667.0**	**153,527.3**	**167,113.1**	**165,370.3**
Delaware	7,856.4	1,667.4	7,325.3	7,167.4	4,631.0
District of Columbia	-	-	-	-	-
Florida	151,729.3	142,423.6	143,500.6	155,983.7	155,374.3
Georgia	805.0	5,786.6	791.8	582.2	1,671.0
Maryland	8,687.0	799.0	-	-	-
North Carolina	-	-	-	-	-
South Carolina	236.4	993.9	290.2	170.8	303.6
Virginia	2,484.0	839.0	1,478.0	3,093.0	3,275.0
West Virginia	87.5	157.5	141.4	115.9	115.3
East South Central	**37,608.7**	**45,660.2**	**52,012.8**	**60,779.1**	**47,309.8**
Alabama	858.1	686.5	976.3	276.2	443.8
Kentucky	319.4	414.4	1,081.0	1,751.4	1,104.1
Mississippi	36,431.3	44,559.3	49,955.5	58,751.4	45,761.9
Tennessee	-	-	-	-	-
West South Central	**1,513,994.0**	**1,588,124.0**	**1,682,145.6**	**1,798,190.2**	**1,735,845.4**
Arkansas	32,066.5	28,444.8	12,101.3	25,265.6	33,682.8
Louisiana	238,149.6	261,719.8	275,501.8	295,342.9	287,999.6
Oklahoma	185,158.3	192,270.4	197,742.4	221,339.4	232,630.4
Texas	1,058,619.5	1,105,689.1	1,196,800.1	1,256,242.4	1,181,532.5
Mountain	**42,140.9**	**40,540.7**	**53,907.2**	**47,330.3**	**48,300.2**
Arizona	14,324.5	15,654.1	21,249.9	12,351.3	12,173.7
Colorado	5,022.3	2,094.5	1,706.2	1,872.1	1,119.1
Idaho	-	-	-	-	-
Montana	476.7	406.6	446.5	335.1	312.2
Nevada	7,021.6	6,432.8	8,154.3	9,348.8	9,527.7
New Mexico	15,200.8	15,805.6	22,096.3	23,151.0	24,720.4
Utah	5.0	10.0	97.0	186.0	310.0
Wyoming	90.0	137.0	157.0	86.0	137.0
Pacific	**603,812.2**	**409,541.8**	**623,667.5**	**546,648.6**	**437,168.9**
California	603,812.2	409,541.8	623,667.5	546,648.6	437,168.9
Oregon	-	-	-	-	-
Washington	-	-	-	-	-
Noncontiguous	-	-	-	-	-
Alaska	-	-	-	-	-
Hawaii	-	-	-	-	-
Total	**2,666,866.3**	**2,437,787.8**	**2,860,592.9**	**2,937,765.7**	**2,732,247.5**

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 with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987

Census Division	January 1987	February 1987	March 1987	April 1987	May 1987	June 1987
New England						
Receipts Purchased, 1,000 Short Tons	275.7	222.7	475.2	467.1	537.0	509.2
Total Heating Val, Billion Btu	7,320.7	5,935.6	12,580.0	12,359.7	14,269.0	13,344.4
Sulfur Content, % by Weight	1.3	1.3	1.4	1.4	1.3	1.3
Avg. Cost, Cents per Million Btu	192.8	197.4	175.5	171.3	173.9	172.7
Total Est. Coal Bill, $1,000	14,116.0	11,717.7	22,078.0	21,178.0	24,818.6	23,051.7
Middle Atlantic						
Receipts Purchased, 1,000 Short Tons	3,944.8	4,235.5	4,780.0	4,551.1	4,230.3	4,549.1
Total Heating Val, Billion Btu	97,549.8	105,250.9	118,993.2	112,627.8	105,010.4	112,915.2
Sulfur Content, % by Weight	2.1	2.1	2.0	2.0	1.9	2.0
Avg. Cost, Cents per Million Btu	145.9	149.8	145.0	145.5	150.9	145.0
Total Est. Coal Bill, $1,000	142,301.3	157,708.4	172,499.8	163,820.3	158,484.9	163,730.1
East North Central						
Receipts Purchased, 1,000 Short Tons	11,928.3	11,418.9	12,828.5	12,980.1	12,871.1	14,326.9
Total Heating Val, Billion Btu	265,603.5	255,517.1	288,372.8	288,754.3	285,784.0	317,288.7
Sulfur Content, % by Weight	2.0	2.0	2.0	1.9	1.8	1.8
Avg. Cost, Cents per Million Btu	169.0	167.0	166.1	167.7	166.3	165.2
Total Est. Coal Bill, $1,000	448,833.6	426,613.5	478,856.4	484,365.6	475,342.9	524,054.5
West North Central						
Receipts Purchased, 1,000 Short Tons	7,024.2	6,298.8	6,577.5	5,980.0	6,282.4	7,345.1
Total Heating Val, Billion Btu	121,898.6	109,391.7	115,087.9	106,204.7	113,140.3	131,994.7
Sulfur Content, % by Weight	1.1	1.1	1.2	1.3	1.3	1.3
Avg. Cost, Cents per Million Btu	123.6	124.9	125.4	126.5	128.4	123.2
Total Est. Coal Bill, $1,000	150,647.0	136,651.0	144,346.0	134,382.6	145,250.4	162,605.4
South Atlantic						
Receipts Purchased, 1,000 Short Tons	9,164.3	9,623.5	10,969.7	10,436.7	10,488.0	11,054.1
Total Heating Val, Billion Btu	227,022.2	238,910.4	273,974.9	259,490.3	261,708.7	276,085.2
Sulfur Content, % by Weight	1.6	1.6	1.5	1.5	1.5	1.5
Avg. Cost, Cents per Million Btu	170.9	171.1	169.3	168.2	168.7	167.9
Total Est. Coal Bill, $1,000	387,917.8	408,778.3	463,832.2	436,398.5	441,431.9	463,651.1
East South Central						
Receipts Purchased, 1,000 Short Tons	6,722.4	6,176.5	6,718.3	6,604.4	6,453.2	6,475.4
Total Heating Val, Billion Btu	158,832.4	146,556.5	159,138.0	156,312.7	153,830.1	154,072.5
Sulfur Content, % by Weight	2.1	2.1	2.1	2.1	2.1	2.1
Avg. Cost, Cents per Million Btu	152.6	151.2	150.5	150.4	151.1	150.6
Total Est. Coal Bill, $1,000	242,380.2	221,523.4	239,471.3	235,069.6	232,416.3	232,031.1
West South Central						
Receipts Purchased, 1,000 Short Tons	9,951.2	8,142.2	8,267.7	7,791.9	8,833.0	9,433.8
Total Heating Val, Billion Btu	152,784.3	125,352.8	125,763.5	122,309.8	135,047.5	144,579.1
Sulfur Content, % by Weight	.6	.6	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	144.8	156.4	158.4	169.5	162.0	156.6
Total Est. Coal Bill, $1,000	221,292.7	196,106.2	199,168.5	207,351.0	218,767.9	226,461.3
Mountain						
Receipts Purchased, 1,000 Short Tons	7,282.2	6,690.9	6,644.8	6,046.9	6,370.8	6,993.0
Total Heating Val, Billion Btu	143,233.8	132,618.8	131,371.7	119,422.1	127,182.0	137,812.6
Sulfur Content, % by Weight	.5	.5	.5	.5	.5	.5
Avg. Cost, Cents per Million Btu	109.9	112.7	112.8	121.1	117.4	113.6
Total Est. Coal Bill, $1,000	157,359.5	149,471.6	148,141.2	144,592.5	149,332.6	156,517.3
Pacific						
Receipts Purchased, 1,000 Short Tons	360.0	360.0	360.0	360.0	360.0	360.0
Total Heating Val, Billion Btu	5,832.0	5,832.0	5,832.0	5,832.0	5,832.0	5,832.0
Sulfur Content, % by Weight	.8	.7	.6	.5	.7	.8
Avg. Cost, Cents per Million Btu	171.3	176.5	173.2	166.1	166.0	166.7
Total Est. Coal Bill, $1,000	9,990.2	10,293.5	10,101.0	9,687.0	9,681.1	9,721.9
Pacific Noncontiguous						
Receipts Purchased, 1,000 Short Tons	-	-	-	-	-	-
Total Heating Val, Billion Btu	-	-	-	-	-	-
Sulfur Content, % by Weight	-	-	-	-	-	-
Avg. Cost, Cents per Million Btu	-	-	-	-	-	-
Total Est. Coal Bill, $1,000	-	-	-	-	-	-
Total						
Receipts Purchased, 1,000 Short Tons	56,653.2	53,169.0	57,621.5	55,218.3	56,425.8	61,046.5
Total Heating Val, Billion Btu	1,180,077.3	1,125,365.7	1,231,113.9	1,183,313.4	1,201,804.1	1,293,924.5
Sulfur Content, % by Weight	1.4	1.4	1.4	1.4	1.4	1.4
Avg. Cost, Cents per Million Btu	150.4	152.7	152.6	155.2	154.4	151.6
Total Est. Coal Bill, $1,000	1,774,838.3	1,718,863.6	1,878,494.4	1,836,845.0	1,855,526.8	1,961,824.6

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."

Table 35. Monthly Coal Statistics for Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987 (Continued)

Census Division	July 1987	August 1987	September 1987	October 1987	November 1987	December 1987	12-Month Total
New England							
Receipts Purchased, 1,000 Short Tons	502.6	530.2	544.7	565.0	543.2	601.9	5,774.4
Total Heating Val, Billion Btu	13,213.1	13,949.1	14,280.4	14,897.9	14,306.3	15,811.7	152,268.0
Sulfur Content, % by Weight	1.1	1.2	1.2	1.2	1.3	1.4	1.3
Avg. Cost, Cents per Million Btu	174.6	177.8	177.4	178.5	178.1	182.8	178.1
Total Est. Coal Bill, $1,000	23,071.2	24,801.2	25,326.9	26,587.6	25,485.9	28,900.7	271,133.6
Middle Atlantic							
Receipts Purchased, 1,000 Short Tons	3,814.0	4,787.1	4,595.4	4,978.6	4,718.5	4,670.5	53,854.8
Total Heating Val, Billion Btu	94,610.7	119,261.9	114,131.9	123,088.3	116,906.3	115,409.9	1,335,756.3
Sulfur Content, % by Weight	1.9	2.0	1.9	2.0	2.0	2.0	2.0
Avg. Cost, Cents per Million Btu	149.2	148.6	145.8	145.7	149.4	150.8	147.6
Total Est. Coal Bill, $1,000	141,165.8	177,280.4	166,414.2	179,296.2	174,647.5	174,024.9	1,971,373.6
East North Central							
Receipts Purchased, 1,000 Short Tons	13,537.3	14,951.8	14,896.7	15,235.6	14,039.7	13,078.3	162,093.2
Total Heating Val, Billion Btu	297,963.2	335,069.6	332,100.5	340,974.3	314,927.1	292,721.8	3,615,076.8
Sulfur Content, % by Weight	1.7	1.8	1.8	1.8	1.8	2.0	1.9
Avg. Cost, Cents per Million Btu	164.5	163.2	161.4	161.1	160.5	160.6	164.2
Total Est. Coal Bill, $1,000	490,179.6	546,932.0	536,053.3	549,204.6	505,356.8	469,995.7	5,935,788.7
West North Central							
Receipts Purchased, 1,000 Short Tons	7,557.7	8,498.6	7,793.0	8,421.4	8,727.8	8,835.2	89,341.8
Total Heating Val, Billion Btu	133,745.6	150,814.0	139,284.2	149,391.9	152,107.0	151,214.4	1,574,275.0
Sulfur Content, % by Weight	1.1	1.1	1.2	1.1	1.1	1.0	1.1
Avg. Cost, Cents per Million Btu	120.1	119.8	121.2	119.8	111.6	108.5	120.5
Total Est. Coal Bill, $1,000	160,640.8	180,736.9	168,767.8	179,012.2	169,822.0	164,003.6	1,896,865.7
South Atlantic							
Receipts Purchased, 1,000 Short Tons	9,098.3	12,157.5	11,852.4	12,083.1	11,159.4	11,833.4	129,920.5
Total Heating Val, Billion Btu	227,626.2	304,303.9	295,087.1	301,565.3	278,050.4	293,926.5	3,237,751.1
Sulfur Content, % by Weight	1.6	1.5	1.5	1.5	1.6	1.5	1.5
Avg. Cost, Cents per Million Btu	167.9	164.5	163.8	164.0	163.3	161.8	166.6
Total Est. Coal Bill, $1,000	382,144.3	500,569.1	483,312.3	494,619.2	454,195.0	475,646.6	5,392,496.1
East South Central							
Receipts Purchased, 1,000 Short Tons	5,780.6	6,486.4	6,638.1	6,652.3	6,431.9	6,907.6	78,047.1
Total Heating Val, Billion Btu	137,621.7	154,574.0	158,111.4	158,562.2	153,659.3	164,136.6	1,855,407.3
Sulfur Content, % by Weight	2.1	2.1	2.1	2.1	2.0	2.1	2.1
Avg. Cost, Cents per Million Btu	152.6	154.0	154.2	150.2	149.6	147.9	151.2
Total Est. Coal Bill, $1,000	210,032.5	238,048.0	243,853.2	238,092.9	229,826.6	242,822.3	2,805,567.3
West South Central							
Receipts Purchased, 1,000 Short Tons	10,310.1	10,506.6	10,139.8	8,954.7	8,992.1	9,705.7	111,028.9
Total Heating Val, Billion Btu	156,785.8	161,526.3	155,390.1	137,187.1	136,470.9	147,189.4	1,700,386.6
Sulfur Content, % by Weight	.6	.6	.6	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	155.0	150.0	153.2	165.1	156.4	152.0	156.2
Total Est. Coal Bill, $1,000	243,075.8	242,269.0	238,027.4	226,466.5	213,475.3	223,713.3	2,656,174.8
Mountain							
Receipts Purchased, 1,000 Short Tons	6,921.0	7,977.8	7,667.5	8,010.9	7,744.0	8,032.0	86,381.7
Total Heating Val, Billion Btu	135,678.5	155,601.2	150,147.0	156,955.3	150,609.7	155,861.8	1,696,494.5
Sulfur Content, % by Weight	.5	.6	.6	.6	.5	.6	.5
Avg. Cost, Cents per Million Btu	106.8	110.1	112.9	111.2	110.8	108.0	112.1
Total Est. Coal Bill, $1,000	144,971.0	171,329.5	169,467.1	174,594.6	166,890.5	168,258.5	1,900,926.0
Pacific							
Receipts Purchased, 1,000 Short Tons	360.0	360.0	477.8	511.8	488.3	497.8	4,855.7
Total Heating Val, Billion Btu	5,832.0	5,832.0	7,804.3	8,378.2	7,989.4	8,160.3	78,988.2
Sulfur Content, % by Weight	.8	.8	.6	.5	.6	.6	.7
Avg. Cost, Cents per Million Btu	165.3	168.4	158.0	157.0	162.3	157.4	164.9
Total Est. Coal Bill, $1,000	9,640.3	9,821.1	12,329.6	13,154.5	12,968.9	12,844.0	130,233.1
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	57,881.6	66,256.2	64,605.4	65,413.5	62,844.9	64,162.2	721,298.0
Total Heating Val, Billion Btu	1,203,076.8	1,400,932.0	1,366,336.9	1,391,000.5	1,325,026.3	1,344,432.5	15,246,403.9
Sulfur Content, % by Weight	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Avg. Cost, Cents per Million Btu	150.0	149.3	149.6	149.6	147.4	145.8	150.6
Total Est. Coal Bill, $1,000	1,804,921.2	2,091,787.0	2,043,551.7	2,081,028.3	1,952,668.5	1,960,209.4	22,960,558.9

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."

Table 36. Monthly Petroleum Statistics for Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987

Census Division	January 1987	February 1987	March 1987	April 1987	May 1987	June 1987
New England						
Receipts Purchased, 1,000 Bbls	4,899.5	5,289.5	4,145.7	4,232.5	4,379.9	4,238.5
Total Heating Val, Billion Btu	31,151.0	33,499.2	26,350.3	26,986.8	27,888.0	26,921.0
Sulfur Content, % by Weight	1.5	1.4	1.2	1.2	1.3	1.3
Avg. Cost, Cents per Million Btu	280.4	269.3	263.4	286.2	290.1	297.9
Total Est. Oil Bill, $1,000	87,333.7	90,199.4	69,399.5	77,242.4	80,914.2	80,209.2
Middle Atlantic						
Receipts Purchased, 1,000 Bbls	7,980.9	7,520.8	6,645.8	4,386.9	3,173.0	4,377.1
Total Heating Val, Billion Btu	49,805.9	46,930.7	41,667.2	27,472.0	20,037.8	27,535.0
Sulfur Content, % by Weight	.8	.7	.9	.8	1.1	.7
Avg. Cost, Cents per Million Btu	327.4	298.0	289.2	304.6	302.7	315.8
Total Est. Oil Bill, $1,000	163,080.2	139,833.9	120,509.4	83,673.6	60,651.4	86,965.0
East North Central						
Receipts Purchased, 1,000 Bbls	529.2	239.8	556.9	351.3	685.0	648.3
Total Heating Val, Billion Btu	3,286.9	1,464.5	3,463.5	2,180.9	4,261.5	4,045.0
Sulfur Content, % by Weight	.5	.5	.6	.6	.6	.6
Avg. Cost, Cents per Million Btu	379.2	376.2	342.8	350.8	352.7	352.7
Total Est. Oil Bill, $1,000	12,462.2	5,510.0	11,874.3	7,651.6	15,031.4	14,267.7
West North Central						
Receipts Purchased, 1,000 Bbls	69.6	37.1	46.9	36.5	46.9	61.5
Total Heating Val, Billion Btu	423.7	231.4	283.4	219.7	287.2	362.2
Sulfur Content, % by Weight	1.1	1.5	1.0	1.0	.9	.5
Avg. Cost, Cents per Million Btu	291.2	272.4	300.6	317.2	294.8	385.2
Total Est. Oil Bill, $1,000	1,233.8	630.3	851.7	696.8	846.6	1,395.3
South Atlantic						
Receipts Purchased, 1,000 Bbls	4,430.8	2,517.3	1,581.2	3,693.9	3,573.1	4,951.6
Total Heating Val, Billion Btu	27,823.9	15,803.5	9,974.7	23,360.7	22,644.0	31,127.3
Sulfur Content, % by Weight	1.1	1.0	1.3	.9	.9	1.1
Avg. Cost, Cents per Million Btu	299.3	284.7	263.2	294.0	304.3	311.6
Total Est. Oil Bill, $1,000	83,277.6	44,985.8	26,254.7	68,683.1	68,903.2	96,981.2
East South Central						
Receipts Purchased, 1,000 Bbls	212.8	30.8	48.3	79.8	48.5	48.7
Total Heating Val, Billion Btu	1,308.9	179.9	280.8	463.7	283.5	283.5
Sulfur Content, % by Weight	2.3	.4	.4	.3	.3	.3
Avg. Cost, Cents per Million Btu	259.8	370.8	375.6	371.6	390.9	401.6
Total Est. Oil Bill, $1,000	3,400.0	667.0	1,054.6	1,722.8	1,108.4	1,138.4
West South Central						
Receipts Purchased, 1,000 Bbls	56.8	66.1	48.3	64.7	58.2	48.3
Total Heating Val, Billion Btu	334.3	379.4	280.6	376.4	337.4	280.5
Sulfur Content, % by Weight	.3	.4	.3	.2	.3	.3
Avg. Cost, Cents per Million Btu	313.8	346.8	369.5	351.7	397.6	385.5
Total Est. Oil Bill, $1,000	1,048.8	1,315.9	1,036.5	1,323.7	1,341.4	1,081.4
Mountain						
Receipts Purchased, 1,000 Bbls	94.5	138.0	117.0	66.0	111.6	96.3
Total Heating Val, Billion Btu	563.8	851.4	708.2	387.3	675.1	580.3
Sulfur Content, % by Weight	.5	.7	.6	.4	.6	.2
Avg. Cost, Cents per Million Btu	304.6	263.5	292.2	376.3	307.6	349.4
Total Est. Oil Bill, $1,000	1,717.0	2,243.6	2,069.2	1,457.4	2,076.7	2,027.5
Pacific						
Receipts Purchased, 1,000 Bbls	58.4	1.0	1.0	502.0	3.0	1.0
Total Heating Val, Billion Btu	360.9	5.9	5.9	3,065.6	17.8	5.9
Sulfur Content, % by Weight	.3	.3	.3	.2	.3	.3
Avg. Cost, Cents per Million Btu	255.6	283.8	344.7	260.9	375.4	368.0
Total Est. Oil Bill, $1,000	922.5	16.8	20.4	7,998.2	66.7	21.8
Pacific Noncontiguous						
Receipts Purchased, 1,000 Bbls	1,247.6	610.9	1,049.5	862.4	604.8	1,001.2
Total Heating Val, Billion Btu	7,798.5	3,847.0	6,554.6	5,376.6	3,802.3	6,260.5
Sulfur Content, % by Weight	.4	.5	.5	.5	.5	.5
Avg. Cost, Cents per Million Btu	288.6	332.4	360.1	337.6	344.2	345.3
Total Est. Oil Bill, $1,000	22,504.5	12,789.3	23,601.8	18,151.1	13,086.0	21,618.9
Total						
Receipts Purchased, 1,000 Bbls	19,580.0	16,451.3	14,240.5	14,276.1	12,684.0	15,472.6
Total Heating Val, Billion Btu	122,857.7	103,192.9	89,569.3	89,889.6	80,234.6	97,401.4
Sulfur Content, % by Weight	1.0	1.0	1.0	.9	1.1	1.0
Avg. Cost, Cents per Million Btu	306.8	289.0	286.6	298.8	304.1	313.9
Total Est. Oil Bill, $1,000	376,980.2	298,191.9	256,672.2	268,600.8	244,025.9	305,706.5

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 with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987 (Continued)

Census Division	July 1987	August 1987	September 1987	October 1987	November 1987	December 1987	12-Month Total
New England							
Receipts Purchased, 1,000 Bbls	4,172.8	4,379.8	1,984.0	2,694.2	4,457.0	5,838.9	50,712.4
Total Heating Val, Billion Btu	26,458.6	27,929.3	12,529.4	17,165.4	28,440.6	36,869.0	322,188.6
Sulfur Content, % by Weight	1.4	1.3	1.1	1.3	1.3	1.2	1.3
Avg. Cost, Cents per Million Btu	307.6	290.7	274.7	272.6	270.7	250.6	278.9
Total Est. Oil Bill, $1,000	81,395.4	81,184.1	34,416.2	46,789.2	77,001.8	92,380.4	898,465.4
Middle Atlantic							
Receipts Purchased, 1,000 Bbls	7,440.1	6,797.1	5,247.2	3,814.2	6,660.7	8,652.5	72,696.3
Total Heating Val, Billion Btu	46,770.7	42,760.9	33,139.5	23,997.8	41,808.9	54,216.8	456,143.3
Sulfur Content, % by Weight	.9	.9	1.0	.9	.8	.6	.8
Avg. Cost, Cents per Million Btu	326.7	319.3	287.2	302.8	310.7	290.2	306.7
Total Est. Oil Bill, $1,000	152,787.7	136,546.8	95,175.7	72,655.9	129,919.5	157,355.0	1,399,154.0
East North Central							
Receipts Purchased, 1,000 Bbls	537.9	790.5	431.9	439.2	482.6	412.1	6,104.6
Total Heating Val, Billion Btu	3,336.7	4,819.4	2,657.1	2,681.5	2,956.9	2,548.8	37,702.7
Sulfur Content, % by Weight	.6	.7	.6	.5	.5	.6	.6
Avg. Cost, Cents per Million Btu	355.1	350.3	368.9	386.2	380.9	362.7	361.2
Total Est. Oil Bill, $1,000	11,848.8	16,883.9	9,801.6	10,356.3	11,262.5	9,244.7	136,195.1
West North Central							
Receipts Purchased, 1,000 Bbls	26.0	31.6	28.1	46.0	92.8	78.5	601.6
Total Heating Val, Billion Btu	155.6	191.0	168.6	277.5	573.0	484.0	3,657.3
Sulfur Content, % by Weight	.7	1.1	.8	.8	1.2	1.0	1.0
Avg. Cost, Cents per Million Btu	376.4	347.0	342.1	370.0	337.3	282.7	322.8
Total Est. Oil Bill, $1,000	585.8	662.7	576.8	1,026.7	1,932.7	1,368.1	11,807.4
South Atlantic							
Receipts Purchased, 1,000 Bbls	7,274.7	7,356.9	4,121.3	2,501.6	2,556.3	3,774.1	48,332.7
Total Heating Val, Billion Btu	45,795.9	46,272.4	33,068.7	15,794.8	16,097.2	23,770.8	311,533.9
Sulfur Content, % by Weight	1.1	1.2	1.1	1.0	1.0	1.1	1.1
Avg. Cost, Cents per Million Btu	322.2	308.0	293.6	287.3	288.0	256.0	298.1
Total Est. Oil Bill, $1,000	147,550.1	142,516.6	97,073.3	45,376.0	46,365.9	60,863.5	928,831.0
East South Central							
Receipts Purchased, 1,000 Bbls	50.2	35.6	54.1	50.9	53.0	34.5	747.3
Total Heating Val, Billion Btu	291.2	207.1	315.8	296.2	308.1	199.8	4,418.4
Sulfur Content, % by Weight	.3	.4	.3	.3	.3	.4	.9
Avg. Cost, Cents per Million Btu	415.9	415.9	407.5	430.7	434.9	409.6	359.5
Total Est. Oil Bill, $1,000	1,211.1	861.4	1,286.6	1,275.6	1,339.9	818.6	15,884.4
West South Central							
Receipts Purchased, 1,000 Bbls	41.8	17.6	41.2	84.5	143.0	77.2	747.7
Total Heating Val, Billion Btu	242.6	102.3	240.2	489.6	868.7	468.2	4,400.1
Sulfur Content, % by Weight	.3	.3	.2	.5	.6	.5	.4
Avg. Cost, Cents per Million Btu	392.7	422.5	398.0	411.5	335.3	363.4	366.3
Total Est. Oil Bill, $1,000	952.8	432.1	956.2	2,014.5	2,913.1	1,701.4	16,117.8
Mountain							
Receipts Purchased, 1,000 Bbls	64.8	39.7	72.0	66.6	57.2	127.6	1,051.3
Total Heating Val, Billion Btu	381.3	231.9	422.8	393.2	343.5	778.4	6,317.2
Sulfur Content, % by Weight	.4	.3	.3	.4	.5	.6	.5
Avg. Cost, Cents per Million Btu	386.6	457.0	406.0	430.2	362.0	302.6	334.5
Total Est. Oil Bill, $1,000	1,474.3	1,059.7	1,716.2	1,691.7	1,243.3	2,355.0	21,131.7
Pacific							
Receipts Purchased, 1,000 Bbls	-	1.0	3.0	1,803.6	577.3	258.2	3,209.5
Total Heating Val, Billion Btu	-	5.9	17.8	11,434.8	3,579.6	1,597.6	20,097.7
Sulfur Content, % by Weight	-	.3	.3	.3	.4	.3	.3
Avg. Cost, Cents per Million Btu	-	368.0	468.4	284.0	291.5	296.4	282.6
Total Est. Oil Bill, $1,000	-	21.8	83.2	32,471.1	10,436.2	4,734.5	56,793.1
Pacific Noncontiguous							
Receipts Purchased, 1,000 Bbls	1,000.5	1,039.4	760.0	714.1	891.0	592.7	10,374.1
Total Heating Val, Billion Btu	6,256.1	6,536.8	4,754.3	4,485.0	5,608.9	3,750.5	65,031.1
Sulfur Content, % by Weight	.4	.4	.5	.5	.5	.5	.4
Avg. Cost, Cents per Million Btu	355.8	376.1	360.5	351.3	347.1	350.4	344.6
Total Est. Oil Bill, $1,000	22,258.1	24,584.7	17,139.7	15,755.1	19,469.2	13,141.1	224,099.5
Total							
Receipts Purchased, 1,000 Bbls	20,608.7	20,489.3	12,742.7	12,214.9	15,971.1	19,846.3	194,577.5
Total Heating Val, Billion Btu	129,688.7	129,056.9	87,314.1	77,015.7	100,585.3	124,684.0	1,231,490.3
Sulfur Content, % by Weight	1.0	1.1	1.0	.9	.9	.9	1.0
Avg. Cost, Cents per Million Btu	323.9	313.6	295.7	297.9	300.1	275.9	301.1
Total Est. Oil Bill, $1,000	420,064.1	404,753.8	258,225.7	229,412.1	301,884.1	343,962.4	3,708,479.6

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."

Table 37. Monthly Gas Statistics for Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987

Census Division	January 1987	February 1987	March 1987	April 1987	May 1987	June 1987
New England						
Qnty Purchased: Firm 1,000 Mcf	54.3	37.8	28.9	-	-	-
Interruptible 1,000 Mcf[1]	126.5	150.0	459.0	2,156.0	3,587.1	5,126.7
Total 1,000 Mcf	180.8	187.8	487.9	2,156.0	3,587.1	5,126.7
Total Heating Val, Billion Btu	184.6	189.3	496.5	2,211.3	3,674.0	5,257.1
Avg. Cost, Cents per Million Btu	363.4	373.2	288.6	254.7	243.2	244.1
Total Est. Gas Bill, $1,000	671.0	706.5	1,433.0	5,631.3	8,934.1	12,835.2
Middle Atlantic						
Qnty Purchased: Firm 1,000 Mcf	826.0	50.0	2,885.0	6,083.0	7,187.0	9,799.4
Interruptible 1,000 Mcf[1]	2,435.2	4,591.6	9,319.9	11,304.4	14,997.4	18,938.3
Total 1,000 Mcf	3,261.2	4,641.6	12,204.9	17,387.4	22,184.4	28,737.7
Total Heating Val, Billion Btu	3,367.7	4,801.0	12,610.7	17,955.3	22,877.7	29,568.3
Avg. Cost, Cents per Million Btu	322.4	270.7	239.8	226.3	231.7	247.1
Total Est. Gas Bill, $1,000	10,858.1	12,995.3	30,243.8	40,629.7	53,003.5	73,055.9
East North Central						
Qnty Purchased: Firm 1,000 Mcf	522.5	337.5	367.7	505.5	431.6	223.7
Interruptible 1,000 Mcf[1]	1,009.4	951.2	665.0	775.1	429.9	1,128.5
Total 1,000 Mcf	1,531.8	1,288.7	1,032.7	1,280.6	861.5	1,352.2
Total Heating Val, Billion Btu	794.2	637.0	625.4	783.7	798.0	863.4
Avg. Cost, Cents per Million Btu	338.3	326.5	341.2	327.5	314.6	301.6
Total Est. Gas Bill, $1,000	2,686.4	2,079.9	2,133.7	2,566.9	2,510.0	2,603.7
West North Central						
Qnty Purchased: Firm 1,000 Mcf	227.2	101.4	96.2	62.9	56.3	169.6
Interruptible 1,000 Mcf[1]	964.6	794.0	1,042.8	1,102.5	1,290.5	2,325.2
Total 1,000 Mcf	1,191.7	895.4	1,139.0	1,165.4	1,346.9	2,494.9
Total Heating Val, Billion Btu	1,172.7	881.8	1,124.0	1,150.3	1,326.3	2,471.1
Avg. Cost, Cents per Million Btu	247.1	243.4	232.8	241.3	242.2	220.6
Total Est. Gas Bill, $1,000	2,897.5	2,146.5	2,616.8	2,775.7	3,212.2	5,452.4
South Atlantic						
Qnty Purchased: Firm 1,000 Mcf	5,535.0	5,814.9	8,612.3	8,083.0	8,595.0	9,836.2
Interruptible 1,000 Mcf[1]	2,965.4	1,601.4	3,195.0	5,338.2	5,493.4	6,827.0
Total 1,000 Mcf	8,500.4	7,416.3	11,807.3	13,421.2	14,088.4	16,663.2
Total Heating Val, Billion Btu	8,596.6	7,465.1	11,907.2	13,587.8	14,271.7	16,896.7
Avg. Cost, Cents per Million Btu	310.4	255.4	228.4	265.1	287.3	283.9
Total Est. Gas Bill, $1,000	26,682.2	19,067.1	27,197.3	36,024.2	41,000.1	47,976.3
East South Central						
Qnty Purchased: Firm 1,000 Mcf	1,949.0	851.3	848.4	843.6	3,336.8	3,686.9
Interruptible 1,000 Mcf[1]	557.5	341.3	301.3	305.8	364.8	1,398.9
Total 1,000 Mcf	2,506.5	1,192.6	1,149.8	1,149.4	3,701.7	5,085.7
Total Heating Val, Billion Btu	2,602.6	1,214.0	1,180.6	1,189.8	3,842.1	5,277.7
Avg. Cost, Cents per Million Btu	199.2	191.2	200.7	202.4	208.0	171.0
Total Est. Gas Bill, $1,000	5,185.2	2,321.1	2,368.9	2,408.4	7,991.9	9,026.8
West South Central						
Qnty Purchased: Firm 1,000 Mcf	82,768.6	68,827.9	82,259.5	92,257.5	96,592.4	109,832.8
Interruptible 1,000 Mcf[1]	23,410.6	19,005.4	20,641.5	19,050.0	34,341.0	35,876.6
Total 1,000 Mcf	106,179.2	87,833.3	102,900.9	111,307.6	130,933.4	145,709.4
Total Heating Val, Billion Btu	110,066.7	91,076.0	107,223.6	115,272.0	136,107.9	151,030.9
Avg. Cost, Cents per Million Btu	214.2	216.1	213.4	214.7	200.2	200.1
Total Est. Gas Bill, $1,000	235,791.4	196,852.0	228,860.3	247,473.2	272,441.2	302,144.3
Mountain						
Qnty Purchased: Firm 1,000 Mcf	1,865.0	1,439.5	1,418.2	1,458.5	1,429.8	1,696.8
Interruptible 1,000 Mcf[1]	1,156.8	1,318.5	1,386.2	800.8	1,271.6	1,943.1
Total 1,000 Mcf	3,021.8	2,758.0	2,804.4	2,259.3	2,701.5	3,639.9
Total Heating Val, Billion Btu	3,099.1	2,806.6	2,902.9	2,322.0	2,757.1	3,765.9
Avg. Cost, Cents per Million Btu	286.3	272.8	262.5	232.7	226.9	221.1
Total Est. Gas Bill, $1,000	8,872.4	7,656.6	7,619.9	5,404.3	6,256.1	8,326.0
Pacific						
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	44,906.1	41,101.6	45,773.9	49,441.7	47,999.9	56,497.8
Total 1,000 Mcf	44,906.1	41,101.6	45,773.9	49,441.7	47,999.9	56,497.8
Total Heating Val, Billion Btu	46,657.9	42,662.1	47,394.1	51,057.5	49,702.5	58,594.7
Avg. Cost, Cents per Million Btu	255.4	269.0	258.9	249.5	252.0	239.3
Total Est. Gas Bill, $1,000	119,184.6	114,751.1	122,708.2	127,406.5	125,239.2	140,198.5
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	93,747.5	77,460.4	96,516.2	109,294.0	117,629.0	135,245.3
Interruptible 1,000 Mcf[1]	77,532.1	69,854.9	82,784.6	90,274.5	109,775.6	130,062.1
Total 1,000 Mcf	171,279.6	147,315.3	179,300.8	199,568.5	227,404.6	265,307.4
Total Heating Val, Billion Btu	176,542.2	151,732.9	185,465.0	205,529.7	235,357.3	273,725.7
Avg. Cost, Cents per Million Btu	233.8	236.3	229.3	228.8	221.2	219.8
Total Est. Gas Bill, $1,000	412,828.7	358,576.1	425,181.9	470,320.1	520,588.3	601,618.9

[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 with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division, 1987 (Continued)

Census Division	July 1987	August 1987	September 1987	October 1987	November 1987	December 1987	12-Month Total
New England							
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	2.9	123.9
Interruptible 1,000 Mcf[1]	6,828.7	7,280.7	8,582.2	7,329.8	2,486.9	524.4	44,638.1
Total 1,000 Mcf	6,828.7	7,280.7	8,582.2	7,329.8	2,486.9	527.3	44,762.0
Total Heating Val, Billion Btu	7,018.9	7,479.6	8,839.3	7,547.8	2,553.1	537.0	45,988.7
Avg. Cost, Cents per Million Btu	243.7	236.4	225.8	228.3	239.0	240.8	238.3
Total Est. Gas Bill, $1,000	17,107.0	17,681.0	19,958.1	17,233.1	6,101.1	1,293.3	109,584.7
Middle Atlantic							
Qnty Purchased: Firm 1,000 Mcf	11,164.1	10,634.1	385.8	7,241.0	6,253.1	6,254.0	68,762.4
Interruptible 1,000 Mcf[1]	23,247.9	17,692.3	16,672.6	15,242.4	9,036.9	5,776.5	149,255.3
Total 1,000 Mcf	34,412.0	28,326.4	17,058.4	22,483.4	15,290.0	12,030.5	218,017.8
Total Heating Val, Billion Btu	35,446.8	29,175.8	17,603.3	23,177.1	15,781.1	12,415.5	224,780.4
Avg. Cost, Cents per Million Btu	263.9	257.3	214.9	240.1	252.2	258.8	246.8
Total Est. Gas Bill, $1,000	93,554.2	75,057.7	37,825.9	55,644.0	39,800.9	32,125.1	554,794.1
East North Central							
Qnty Purchased: Firm 1,000 Mcf	368.6	317.3	153.0	216.6	248.4	261.8	3,954.3
Interruptible 1,000 Mcf[1]	1,283.8	1,032.4	935.3	909.8	907.0	1,320.5	11,347.8
Total 1,000 Mcf	1,652.4	1,349.7	1,088.3	1,126.4	1,155.5	1,582.3	15,302.0
Total Heating Val, Billion Btu	1,122.0	857.6	549.7	711.3	659.4	770.9	9,172.5
Avg. Cost, Cents per Million Btu	312.2	303.7	291.2	293.3	303.4	310.1	313.6
Total Est. Gas Bill, $1,000	3,502.5	2,604.3	1,600.7	2,086.6	2,000.3	2,390.7	28,765.8
West North Central							
Qnty Purchased: Firm 1,000 Mcf	89.9	138.6	74.6	73.8	54.9	68.3	1,213.6
Interruptible 1,000 Mcf[1]	3,045.6	2,530.0	1,514.3	1,581.9	846.1	1,091.8	18,129.4
Total 1,000 Mcf	3,135.4	2,668.6	1,589.0	1,655.7	901.0	1,160.1	19,343.0
Total Heating Val, Billion Btu	3,094.5	2,635.9	1,591.1	1,668.1	905.8	1,161.4	19,183.0
Avg. Cost, Cents per Million Btu	206.4	203.4	217.7	206.4	230.1	231.8	221.7
Total Est. Gas Bill, $1,000	6,385.8	5,360.5	3,463.1	3,443.4	2,084.2	2,692.8	42,531.0
South Atlantic							
Qnty Purchased: Firm 1,000 Mcf	11,805.3	12,196.0	11,986.2	12,561.4	11,527.8	9,372.6	115,925.8
Interruptible 1,000 Mcf[1]	7,555.2	7,861.0	6,128.3	3,718.1	3,148.3	2,128.6	55,959.9
Total 1,000 Mcf	19,360.5	20,057.1	18,114.5	16,279.5	14,676.1	11,501.2	171,885.6
Total Heating Val, Billion Btu	19,642.5	20,342.9	18,316.9	16,425.1	14,810.0	11,583.3	173,845.6
Avg. Cost, Cents per Million Btu	298.8	266.1	263.9	275.0	241.9	275.8	271.5
Total Est. Gas Bill, $1,000	58,700.1	54,129.8	48,344.2	45,176.1	35,819.9	31,947.0	472,064.3
East South Central							
Qnty Purchased: Firm 1,000 Mcf	6,381.5	2,116.4	371.4	255.8	395.7	41.1	21,077.8
Interruptible 1,000 Mcf[1]	710.4	6,306.5	2,323.1	1,210.4	1,718.5	992.4	16,530.9
Total 1,000 Mcf	7,091.8	8,422.9	2,694.4	1,466.3	2,114.2	1,033.4	37,608.7
Total Heating Val, Billion Btu	7,245.8	8,608.6	2,775.3	1,505.7	2,178.6	1,049.5	38,670.2
Avg. Cost, Cents per Million Btu	169.2	188.1	191.3	184.7	195.1	191.6	186.5
Total Est. Gas Bill, $1,000	12,256.8	16,193.0	5,308.9	2,780.5	4,251.0	2,011.1	72,103.5
West South Central							
Qnty Purchased: Firm 1,000 Mcf	127,331.8	140,334.6	109,680.4	84,274.2	81,288.4	82,362.2	1,157,810.2
Interruptible 1,000 Mcf[1]	39,925.0	48,149.4	33,339.5	29,125.4	29,642.8	23,676.6	356,183.8
Total 1,000 Mcf	167,256.8	188,483.9	143,019.9	113,399.6	110,931.2	106,038.8	1,513,994.0
Total Heating Val, Billion Btu	173,758.9	195,691.0	148,456.4	117,448.1	114,842.2	110,207.2	1,571,180.9
Avg. Cost, Cents per Million Btu	198.6	200.2	191.1	195.4	196.0	223.8	204.0
Total Est. Gas Bill, $1,000	345,107.2	391,782.8	283,715.2	229,522.1	225,122.4	246,599.8	3,205,411.8
Mountain							
Qnty Purchased: Firm 1,000 Mcf	1,882.0	2,164.8	1,823.1	1,394.9	1,183.9	1,578.5	19,335.0
Interruptible 1,000 Mcf[1]	2,722.4	2,465.6	1,296.1	1,579.8	3,439.0	3,425.7	22,805.9
Total 1,000 Mcf	4,604.5	4,630.5	3,119.2	2,974.8	4,622.9	5,004.2	42,140.9
Total Heating Val, Billion Btu	4,766.7	4,796.9	3,208.1	3,069.6	4,682.7	5,127.6	43,305.2
Avg. Cost, Cents per Million Btu	220.4	217.2	209.4	199.2	209.5	241.8	231.2
Total Est. Gas Bill, $1,000	10,507.6	10,420.2	6,716.6	6,114.3	9,811.9	12,396.8	100,102.7
Pacific							
Qnty Purchased: Firm 1,000 Mcf	-	-	-	-	-	-	-
Interruptible 1,000 Mcf[1]	54,043.4	57,505.1	53,373.9	58,355.6	51,088.4	43,725.0	603,812.2
Total 1,000 Mcf	54,043.4	57,505.1	53,373.9	58,355.6	51,088.4	43,725.0	603,812.2
Total Heating Val, Billion Btu	56,194.5	59,894.6	55,461.9	60,430.6	52,991.1	45,423.9	626,465.6
Avg. Cost, Cents per Million Btu	243.8	234.6	238.0	235.7	258.5	282.7	250.1
Total Est. Gas Bill, $1,000	137,004.3	140,491.4	132,006.2	142,450.0	136,979.3	128,408.1	1,566,827.1
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	159,023.1	167,901.8	124,474.4	106,017.8	100,952.2	99,941.3	1,388,203.1
Interruptible 1,000 Mcf[1]	139,362.4	150,823.0	124,165.2	119,053.2	102,314.1	82,661.5	1,278,663.2
Total 1,000 Mcf	298,385.6	318,724.8	248,639.6	225,071.0	203,266.3	182,602.8	2,666,866.3
Total Heating Val, Billion Btu	308,290.7	329,482.9	256,801.8	231,983.5	209,404.0	188,276.3	2,752,592.1
Avg. Cost, Cents per Million Btu	221.9	216.6	209.9	217.5	220.6	244.2	223.5
Total Est. Gas Bill, $1,000	684,125.5	713,720.7	538,938.9	504,450.2	461,971.0	459,864.5	6,152,184.9

[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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987

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	**520,445.3**	**152,268.0**	**322,188.6**	**45,988.7**	**29.3**	**61.9**	**8.8**	**178.1**	**278.9**	**238.3**
Connecticut	122,961.6	20,226.6	95,135.5	7,599.5	16.4	77.4	6.2	242.0	293.6	236.6
Maine	25,698.7	-	25,698.7	-	-	100.0	-	-	293.7	-
Massachusetts	308,538.4	102,110.6	173,926.9	32,500.9	33.1	56.4	10.5	161.4	271.5	239.9
New Hampshire	52,078.7	29,930.8	22,147.9	-	57.5	42.5	-	191.8	258.7	-
Rhode Island	11,167.9	-	5,279.7	5,888.2	-	47.3	52.7	-	267.8	231.8
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**[1] 2,022,867.6**	**1,335,756.3**	**456,143.3**	**224,780.4**	**[1] 66.0**	**[1] 22.5**	**[1] 11.1**	**147.6**	**306.7**	**246.8**
New Jersey	179,048.0	71,236.8	53,381.8	54,429.4	39.8	29.8	30.4	176.8	312.2	255.0
New York	705,190.5	207,936.3	327,162.3	170,091.9	29.5	46.4	24.1	154.3	306.1	244.1
Pennsylvania	[1] 1,138,629.1	1,056,583.2	75,599.2	259.0	[1] 92.8	[1] 6.6	[1] .0	144.3	305.5	334.9
East North Central	**[1] 3,664,162.5**	**3,615,076.8**	**37,702.7**	**9,172.5**	**[1] 98.7**	**[1] 1.0**	**[1] .3**	**164.2**	**361.2**	**313.6**
Illinois	637,336.2	610,002.8	24,854.1	2,479.3	95.7	3.9	.4	200.0	361.6	365.6
Indiana	[1] 845,842.6	841,584.6	1,594.6	1,094.8	[1] 99.5	[1] .2	[1] .1	146.7	412.2	282.2
Michigan	703,715.2	691,274.4	8,234.5	4,206.2	98.2	1.2	.6	175.3	337.5	276.3
Ohio	1,155,014.0	1,151,949.8	2,529.6	534.6	99.7	.2	*	156.0	395.7	304.4
Wisconsin	[1] 322,254.5	320,265.2	490.0	857.5	[1] 99.4	[1] .2	[1] .3	147.2	396.8	392.0
West North Central	**[1] 1,597,157.7**	**1,574,275.0**	**3,657.3**	**19,183.0**	**[1] 98.6**	**[1] .2**	**[1] 1.2**	**120.5**	**322.8**	**221.7**
Iowa	255,397.8	252,337.8	402.1	2,657.9	98.8	.2	1.0	124.6	405.7	215.4
Kansas	274,646.7	263,515.4	426.2	10,705.1	95.9	.2	3.9	126.7	387.0	217.5
Minnesota	[1] 227,447.3	223,668.2	175.1	3,561.6	[1] 98.3	[1] .1	[1] 1.6	120.6	446.6	207.5
Missouri	480,615.9	477,591.7	2,174.9	849.3	99.4	.5	.2	141.3	279.6	296.1
Nebraska	110,397.2	108,834.0	157.9	1,405.3	98.6	.1	1.3	94.5	250.2	256.3
North Dakota	239,622.6	239,344.8	274.0	3.9	99.9	.1	*	79.3	388.1	443.4
South Dakota	9,030.2	8,983.2	47.0	-	99.5	.5	-	123.4	434.3	-
South Atlantic	**3,723,130.7**	**3,237,751.1**	**311,533.9**	**173,845.6**	**87.0**	**8.4**	**4.7**	**166.6**	**298.1**	**271.5**
Delaware	88,874.1	63,298.5	17,434.0	8,141.5	71.2	19.6	9.2	181.1	278.7	274.5
District of Columbia	3,254.1	-	3,254.1	-	-	100.0	-	-	354.8	-
Florida	932,007.0	559,285.7	219,810.5	152,910.7	60.0	23.6	16.4	181.5	292.2	271.4
Georgia	644,874.6	641,651.7	2,399.0	824.0	99.5	.4	.1	178.9	344.9	371.5
Maryland	246,190.7	207,543.1	29,589.4	9,058.2	84.3	12.0	3.7	157.7	311.4	268.1
North Carolina	449,042.8	447,503.1	1,539.7	-	99.7	.3	-	179.0	390.8	-
South Carolina	237,535.5	236,617.8	674.8	242.9	99.6	.3	.1	174.0	400.0	334.5
Virginia	265,086.8	228,276.7	34,229.2	2,580.9	86.1	12.9	1.0	158.1	309.3	243.0
West Virginia	856,265.1	853,574.4	2,603.2	87.5	99.7	.3	*	142.2	436.1	393.6
East South Central	**1,898,495.9**	**1,855,407.3**	**4,418.4**	**38,670.2**	**97.7**	**.2**	**2.0**	**151.2**	**359.5**	**186.5**
Alabama	508,984.0	506,973.8	1,105.8	904.4	99.6	.2	.2	192.4	403.1	210.2
Kentucky	732,210.4	730,488.8	1,395.3	326.2	99.8	.2	*	125.8	407.3	278.1
Mississippi	150,875.1	112,284.6	1,150.9	37,439.6	74.4	.8	24.8	195.5	237.6	185.1
Tennessee	506,426.4	505,660.1	766.3	-	99.8	.2	-	136.7	392.8	-
West South Central	**3,275,967.6**	**1,700,386.6**	**4,400.1**	**1,571,180.9**	**51.9**	**.1**	**48.0**	**156.2**	**366.3**	**204.0**
Arkansas	237,212.5	203,317.1	830.6	33,064.8	85.7	.4	13.9	155.2	386.0	152.2
Louisiana	422,316.5	173,438.6	544.2	248,333.7	41.1	.1	58.8	164.4	340.5	160.0
Oklahoma	408,609.4	214,629.7	199.8	193,779.9	52.5	*	47.4	155.7	391.2	260.9
Texas	2,207,829.2	1,109,001.3	2,825.5	1,096,002.4	50.2	.1	49.6	155.2	363.7	205.5
Mountain	**1,746,116.9**	**1,696,494.5**	**6,317.2**	**43,305.2**	**97.2**	**.4**	**2.5**	**112.1**	**334.5**	**231.2**
Arizona	286,285.8	269,751.7	1,724.2	14,809.9	94.2	.6	5.2	129.9	426.2	219.4
Colorado	268,258.9	263,121.1	175.7	4,962.0	98.1	.1	1.8	111.8	386.3	228.6
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	131,209.3	130,492.5	142.1	574.7	99.5	.1	.4	64.8	410.7	91.9
Nevada	164,334.9	154,164.6	2,903.9	7,266.4	93.8	1.8	4.4	139.9	245.0	256.4
New Mexico	272,549.5	256,545.9	408.5	15,595.1	94.1	.1	5.7	120.8	357.0	235.8
Utah	274,507.4	274,225.3	276.7	5.4	99.9	.1	*	125.2	411.9	507.4
Wyoming	348,971.1	348,193.4	686.0	91.7	99.8	.2	*	87.0	409.5	326.1
Pacific	**725,551.5**	**78,988.2**	**20,097.7**	**626,465.6**	**10.9**	**2.8**	**86.3**	**164.9**	**282.6**	**250.1**
California	646,468.6	-	20,003.0	626,465.6	-	3.1	96.9	-	282.0	250.1
Oregon	6,392.1	6,392.1	-	-	100.0	-	-	140.2	-	-
Washington	72,690.9	72,596.1	94.8	-	99.9	.1	-	167.1	409.8	-
Pacific Noncontiguous	**65,031.1**	**-**	**65,031.1**	**-**	**-**	**100.0**	**-**	**-**	**344.6**	**-**
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	65,031.1	-	65,031.1	-	-	100.0	-	-	344.6	-
Total	**[1] 19,238,926.8**	**15,246,403.9**	**1,231,490.3**	**2,752,592.1**	**[1] 79.2**	**[1] 6.4**	**[1] 14.3**	**150.6**	**301.1**	**223.5**

[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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987

Census Division and State	Average Cost by Type of Purchase						Average Cost by Type of Mining Method					
	Contract Purchases			Spot Purchases			Strip and Auger			Underground		
	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)	Quantity (1,000 short tons)	(cents per 10^6 Btu)	($ per short ton)
New England	**4,435.4**	**183.4**	**48.52**	**1,339.0**	**160.0**	**41.75**	**811.3**	**165.6**	**43.34**	**4,963.1**	**180.1**	**47.55**
Connecticut	770.0	242.0	63.56	-	-	-	-	-	-	770.0	242.0	63.56
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	2,581.3	162.2	42.71	1,307.6	159.7	41.70	746.6	163.5	42.77	3,142.3	160.9	42.28
New Hampshire	1,084.1	192.4	51.68	31.4	170.3	44.07	64.7	190.5	49.86	1,050.8	191.9	51.57
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**41,372.0**	**152.8**	**37.99**	**12,462.8**	**130.3**	**32.03**	**21,139.8**	**140.7**	**34.62**	**32,715.0**	**151.9**	**37.89**
New Jersey	2,321.2	178.2	47.15	369.8	168.1	44.57	659.0	168.2	44.14	2,032.0	179.5	47.66
New York	4,848.2	162.0	41.96	3,282.4	142.5	35.76	3,841.9	146.4	36.38	4,288.6	161.0	42.21
Pennsylvania	34,202.6	149.5	36.80	8,830.6	123.8	30.12	16,638.9	138.3	33.84	26,394.3	148.1	36.43
East North Central	**128,997.9**	**173.8**	**38.47**	**33,095.4**	**128.2**	**29.41**	**104,629.7**	**161.4**	**34.72**	**57,463.5**	**168.8**	**40.07**
Illinois	25,790.1	208.0	44.09	2,719.2	131.1	30.53	16,993.6	227.1	47.42	11,515.6	162.4	35.98
Indiana	32,216.6	153.3	32.93	6,465.0	116.4	26.92	27,830.5	139.4	30.12	10,851.1	165.0	36.57
Michigan	21,070.0	185.5	43.42	8,819.3	150.1	33.70	17,751.0	171.9	36.62	12,138.3	179.4	46.30
Ohio	35,714.9	169.7	40.29	12,669.6	117.9	28.29	28,060.0	147.6	34.87	20,324.6	167.4	40.30
Wisconsin	14,206.3	148.8	28.91	2,422.3	137.1	25.03	13,994.6	142.0	25.78	2,634.0	167.2	41.97
West North Central	**83,728.4**	**121.5**	**21.28**	**5,613.4**	**106.9**	**20.54**	**83,338.0**	**115.9**	**19.99**	**6,003.8**	**168.8**	**38.42**
Iowa	12,510.3	125.4	22.78	1,275.5	117.6	23.09	12,737.8	123.8	22.16	1,048.0	132.8	30.75
Kansas	14,407.0	127.4	22.20	626.2	113.8	22.51	14,610.9	123.4	21.46	422.3	215.7	48.45
Minnesota	12,667.1	120.5	21.03	126.3	134.0	26.47	12,671.3	119.6	20.83	122.1	192.6	47.21
Missouri	20,128.3	144.4	30.80	2,404.8	113.8	22.86	18,205.6	133.3	27.81	4,327.5	172.4	39.01
Nebraska	5,146.4	100.2	17.38	1,180.6	68.5	11.37	6,243.1	93.1	15.93	83.9	170.2	40.63
North Dakota	18,128.3	79.3	10.46	-	-	-	18,128.3	79.3	10.46	-	-	-
South Dakota	741.0	123.4	14.95	-	-	-	741.0	123.4	14.95	-	-	-
South Atlantic	**99,890.4**	**175.3**	**43.66**	**30,030.0**	**137.5**	**34.33**	**56,635.9**	**163.5**	**40.41**	**73,284.6**	**168.9**	**42.35**
Delaware	2,069.7	184.6	48.26	352.7	161.0	41.90	526.5	176.7	44.51	1,895.8	182.3	48.12
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	15,740.0	196.9	48.73	6,813.0	146.3	36.42	8,719.9	181.3	45.44	13,833.0	181.6	44.74
Georgia	21,126.4	186.8	45.22	5,224.9	148.0	36.85	16,159.8	164.8	39.78	10,191.5	200.8	49.56
Maryland	6,747.0	159.8	40.37	1,439.7	147.6	38.09	5,764.2	159.2	40.00	2,422.5	154.1	39.89
North Carolina	15,668.1	183.8	46.17	2,161.2	143.4	35.81	7,076.1	178.7	44.60	10,753.2	179.2	45.13
South Carolina	6,542.8	184.9	46.81	2,810.8	148.5	37.49	4,345.7	177.4	44.46	5,007.9	171.0	43.62
Virginia	4,890.7	162.6	41.73	4,016.3	152.6	39.04	3,166.2	157.9	40.41	5,740.8	158.2	40.58
West Virginia	27,105.9	152.5	38.12	7,211.4	102.8	25.10	10,877.5	134.6	32.98	23,439.7	145.7	36.49
East South Central	**54,255.0**	**160.1**	**37.82**	**23,792.1**	**131.3**	**31.68**	**42,139.3**	**150.8**	**35.70**	**35,907.8**	**151.7**	**36.24**
Alabama	16,553.7	206.1	50.62	4,185.6	137.1	32.88	11,490.6	195.7	47.91	9,248.7	188.4	45.97
Kentucky	21,195.6	134.7	30.47	10,575.4	108.9	25.86	17,942.2	121.7	28.27	13,828.8	131.4	29.80
Mississippi	1,093.8	174.5	42.90	3,336.0	202.1	51.75	1,525.5	174.4	43.02	2,904.3	206.2	53.00
Tennessee	15,411.9	141.4	33.81	5,695.1	124.0	29.84	11,181.0	145.3	34.07	9,926.0	127.3	31.25
West South Central	**109,259.0**	**156.5**	**23.84**	**1,769.8**	**141.5**	**28.76**	**109,977.9**	**156.1**	**23.84**	**1,051.0**	**165.5**	**32.52**
Arkansas	11,517.6	155.6	27.01	191.7	131.1	22.67	11,709.3	155.2	26.94	-	-	-
Louisiana	10,627.3	164.4	26.84	-	-	-	10,058.5	165.1	26.77	568.9	153.9	28.09
Oklahoma	11,611.1	156.2	27.17	512.9	147.7	36.30	12,124.0	155.7	27.56	-	-	-
Texas	75,502.9	155.5	22.43	1,065.3	139.2	26.22	76,086.1	155.0	22.39	482.1	177.2	37.74
Mountain	**83,474.8**	**113.0**	**22.20**	**2,906.9**	**85.2**	**16.46**	**69,963.2**	**104.8**	**19.74**	**16,418.5**	**137.4**	**31.65**
Arizona	12,614.1	129.6	27.53	100.1	178.2	31.56	12,714.2	129.9	27.56	-	-	-
Colorado	12,776.7	112.6	22.04	590.2	97.1	21.39	11,031.5	105.0	20.24	2,335.4	140.8	30.37
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	7,595.6	64.8	11.12	-	-	-	7,595.6	64.8	11.12	-	-	-
Nevada	6,893.2	139.9	31.28	-	-	-	4,611.4	109.5	23.92	2,281.8	197.0	46.16
New Mexico	14,176.1	120.8	21.87	-	-	-	14,176.1	120.8	21.87	-	-	-
Utah	11,016.7	128.5	29.71	784.6	81.9	20.38	-	-	-	11,801.3	125.2	29.09
Wyoming	18,402.4	87.9	15.58	1,432.0	73.5	11.22	19,834.4	87.0	15.27	-	-	-
Pacific	**4,780.7**	**165.5**	**26.91**	**75.0**	**126.9**	**21.17**	**4,855.7**	**164.9**	**26.82**	-	-	-
California	-	-	-	-	-	-	-	-	-	-	-	-
Oregon	376.7	140.2	23.78	-	-	-	376.7	140.2	23.78	-	-	-
Washington	4,404.0	167.8	27.18	75.0	126.9	21.17	4,479.0	167.1	27.08	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Total	**610,193.6**	**154.8**	**32.01**	**111,104.4**	**130.6**	**30.86**	**493,490.8**	**144.2**	**28.35**	**227,807.3**	**161.8**	**39.37**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1983-1987

Census Division and State	1987	1986	1985	1984	1983	1987	1986	1985	1984	1983
	(cents per million Btu)					(dollars per short ton)				
New England	**178.1**	**188.4**	**202.8**	**210.7**	**217.6**	**46.95**	**49.92**	**53.98**	**56.05**	**58.13**
Connecticut	242.0	227.1	234.9	225.6	-	63.56	59.83	61.81	59.26	-
Maine	-	-	-	-	-	-	-	-	-	-
Massachusetts	161.4	177.8	197.2	213.6	225.3	42.37	47.00	52.37	56.53	59.90
New Hampshire	191.8	199.0	200.9	200.2	193.8	51.47	53.51	54.05	54.20	52.50
Rhode Island	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**147.6**	**153.1**	**161.1**	**164.5**	**159.5**	**36.61**	**37.90**	**39.83**	**40.66**	**39.40**
New Jersey	176.8	180.8	192.1	196.9	197.0	46.80	47.84	50.87	52.02	52.10
New York	154.3	164.9	172.0	180.1	178.6	39.46	41.96	43.35	45.21	44.59
Pennsylvania	144.3	149.3	156.2	159.2	153.1	35.43	36.65	38.26	39.04	37.55
East North Central	**164.2**	**174.6**	**180.7**	**177.3**	**178.2**	**36.62**	**38.69**	**39.89**	**39.34**	**39.51**
Illinois	200.0	212.2	217.5	198.8	203.6	42.80	44.71	45.60	42.12	42.37
Indiana	146.7	157.8	164.2	161.0	156.6	31.93	33.70	35.00	34.74	34.30
Michigan	175.3	181.2	187.9	191.4	189.3	40.55	42.48	43.96	44.66	44.20
Ohio	156.0	162.9	169.4	171.5	172.0	37.15	38.80	40.02	40.34	40.55
Wisconsin	147.2	162.4	170.6	171.7	172.2	28.35	31.37	33.35	34.18	34.22
West North Central	**120.5**	**127.7**	**133.9**	**138.5**	**137.0**	**21.23**	**22.41**	**23.44**	**24.69**	**24.46**
Iowa	124.6	137.2	147.5	152.7	161.5	22.81	25.20	26.85	27.39	29.53
Kansas	126.7	131.9	140.1	150.4	141.9	22.22	23.02	24.58	26.44	24.91
Minnesota	120.6	136.0	142.8	136.8	138.3	21.09	23.74	24.92	23.74	24.44
Missouri	141.3	146.6	150.2	149.5	149.2	29.96	31.35	31.98	32.02	31.97
Nebraska	94.5	104.0	111.4	128.2	121.7	16.26	18.12	19.27	22.81	21.39
North Dakota	79.3	82.1	88.1	87.2	82.6	10.46	10.81	11.59	11.37	10.89
South Dakota	123.4	124.1	118.4	119.9	118.1	14.95	15.10	14.45	14.63	14.52
South Atlantic	**166.6**	**174.0**	**185.5**	**186.7**	**186.4**	**41.51**	**43.28**	**45.97**	**46.16**	**46.04**
Delaware	181.1	191.4	191.0	197.2	199.1	47.33	49.75	49.52	51.23	50.96
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	181.5	192.9	212.0	216.7	218.2	45.01	47.36	51.84	52.99	53.17
Georgia	178.9	180.9	187.8	192.7	189.8	43.56	43.95	45.53	46.73	45.80
Maryland	157.7	166.6	174.6	179.4	174.6	39.97	42.28	44.21	45.28	44.24
North Carolina	179.0	184.8	197.6	194.9	188.9	44.92	46.40	49.34	48.62	47.02
South Carolina	174.0	182.5	190.9	196.6	196.0	44.01	46.23	47.98	49.26	49.11
Virginia	158.1	170.6	180.2	182.9	170.0	40.52	43.86	46.18	46.16	43.03
West Virginia	142.2	149.7	160.3	162.7	170.4	35.38	37.25	39.81	40.14	42.12
East South Central	**151.2**	**158.4**	**170.3**	**172.0**	**177.9**	**35.95**	**37.59**	**40.04**	**40.38**	**41.78**
Alabama	192.4	191.0	202.0	203.8	202.1	47.04	46.51	48.71	49.04	48.44
Kentucky	125.8	133.8	141.1	146.8	153.2	28.94	30.84	32.14	33.58	35.20
Mississippi	195.5	229.4	253.6	243.0	249.1	49.56	56.11	61.52	58.88	60.45
Tennessee	136.7	141.9	153.6	162.2	172.0	32.74	33.79	36.34	38.30	40.51
West South Central	**156.2**	**158.7**	**165.5**	**175.2**	**172.2**	**23.92**	**24.38**	**25.72**	**27.07**	**26.72**
Arkansas	155.2	156.3	157.8	181.1	171.9	26.94	27.10	27.15	31.11	30.02
Louisiana	164.4	179.4	218.9	226.2	228.0	26.84	29.14	37.00	38.48	38.89
Oklahoma	155.7	163.7	167.9	173.2	173.3	27.56	28.36	28.82	29.80	29.73
Texas	155.2	154.9	159.3	167.5	168.2	22.48	22.59	23.59	24.55	24.99
Mountain	**112.1**	**115.7**	**115.2**	**109.0**	**107.1**	**22.01**	**22.47**	**22.44**	**21.03**	**20.90**
Arizona	129.9	136.4	130.6	121.1	121.3	27.56	28.70	27.41	25.66	25.81
Colorado	111.8	117.5	115.3	113.4	110.9	22.01	22.96	22.49	21.90	21.59
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	64.8	67.4	70.7	73.6	76.8	11.12	11.53	12.23	12.53	12.83
Nevada	139.9	139.1	161.8	133.1	127.1	31.28	31.23	36.84	29.80	28.33
New Mexico	120.8	113.3	109.2	93.4	83.7	21.87	20.64	20.06	16.88	15.23
Utah	125.2	140.7	137.0	134.1	135.4	29.09	32.32	32.34	30.64	30.97
Wyoming	87.0	92.2	91.9	96.3	92.3	15.27	16.06	16.10	16.66	16.09
Pacific	**164.9**	**168.6**	**165.7**	**177.3**	**161.9**	**26.82**	**27.31**	**26.85**	**29.13**	**26.23**
California	-	-	-	229.4	-	-	-	-	52.26	-
Oregon	140.2	-	199.7	199.6	-	23.78	-	33.12	33.24	-
Washington	167.1	168.6	165.3	172.5	161.9	27.08	27.31	26.78	27.95	26.23
Noncontiguous	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-
Total	**150.6**	**157.9**	**164.8**	**166.4**	**165.6**	**31.83**	**33.30**	**34.53**	**35.12**	**34.99**

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 41. Average Cost of Petroleum Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987

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	**41,871.2**	**279.9**	**17.79**	**8,552.2**	**271.8**	**17.26**	**338.5**	**20.66**	**-**	**-**	**278.5**	**17.70**
Connecticut	13,376.0	294.7	18.56	1,693.2	282.9	17.90	401.3	23.28	-	-	293.4	18.49
Maine	4,045.6	293.2	18.56	-	-	-	419.1	24.47	-	-	293.2	18.56
Massachusetts	21,275.1	271.5	17.29	5,829.0	269.7	17.13	322.2	19.90	-	-	271.1	17.25
New Hampshire	3,174.5	258.4	16.91	197.9	254.7	16.90	403.8	23.35	-	-	258.2	16.90
Rhode Island	-	-	-	832.0	267.8	17.00	-	-	-	-	267.8	17.00
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**56,313.1**	**305.6**	**19.23**	**15,127.0**	**305.1**	**19.05**	**403.8**	**23.51**	**-**	**-**	**305.5**	**19.19**
New Jersey	7,498.5	312.3	19.46	1,052.9	310.1	19.22	410.0	23.56	-	-	312.0	19.43
New York	39,697.6	306.0	19.28	11,982.1	305.4	19.04	424.6	24.64	-	-	305.9	19.22
Pennsylvania	9,117.0	298.4	18.82	2,092.0	301.0	19.03	400.9	23.36	-	-	298.9	18.86
East North Central	**3,565.0**	**355.6**	**22.54**	**1,017.9**	**313.7**	**19.36**	**409.5**	**23.73**	**-**	**-**	**346.5**	**21.84**
Illinois	3,565.0	355.6	22.54	-	-	-	421.8	24.65	-	-	355.6	22.54
Indiana	-	-	-	-	-	-	412.2	23.77	-	-	-	-
Michigan	-	-	-	966.9	314.4	19.37	397.9	23.00	-	-	314.4	19.37
Ohio	-	-	-	51.0	300.2	19.25	409.9	23.70	-	-	300.2	19.25
Wisconsin	-	-	-	-	-	-	396.8	23.01	-	-	-	-
West North Central	**225.0**	**241.8**	**15.39**	**68.3**	**231.5**	**14.81**	**410.0**	**23.79**	**-**	**-**	**239.4**	**15.25**
Iowa	-	-	-	-	-	-	405.7	23.63	-	-	-	-
Kansas	-	-	-	-	-	-	387.0	22.46	-	-	-	-
Minnesota	-	-	-	-	-	-	446.6	25.84	-	-	-	-
Missouri	225.0	241.8	15.39	39.2	233.6	15.17	414.4	23.99	-	-	240.6	15.35
Nebraska	-	-	-	21.9	228.7	14.41	397.5	23.12	-	-	228.7	14.41
North Dakota	-	-	-	7.2	227.9	14.07	419.1	24.26	-	-	227.9	14.07
South Dakota	-	-	-	-	-	-	434.3	25.54	-	-	-	-
South Atlantic	**33,941.9**	**295.1**	**19.28**	**11,525.7**	**286.6**	**18.16**	**396.9**	**23.14**	**354.0**	**21.25**	**293.0**	**18.99**
Delaware	1,425.5	290.9	18.40	1,241.2	256.5	16.29	398.8	22.99	-	-	274.9	17.42
District of Columbia	-	-	-	-	-	-	382.5	22.24	354.0	21.25	-	-
Florida	24,349.5	291.5	19.37	8,614.0	288.3	18.31	392.6	22.93	-	-	290.7	19.09
Georgia	-	-	-	217.1	308.7	19.03	390.5	22.63	-	-	308.7	19.03
Maryland	3,564.9	306.2	19.22	782.4	302.2	19.00	381.1	22.17	-	-	305.5	19.18
North Carolina	-	-	-	-	-	-	390.8	22.67	-	-	-	-
South Carolina	-	-	-	-	-	-	400.0	23.29	-	-	-	-
Virginia	4,602.0	307.9	19.08	671.0	295.4	18.36	373.2	21.91	-	-	306.3	18.99
West Virginia	-	-	-	-	-	-	436.1	25.53	-	-	-	-
East South Central	**148.6**	**206.0**	**12.96**	**1.1**	**337.2**	**21.18**	**400.8**	**23.32**	**-**	**-**	**207.0**	**13.02**
Alabama	-	-	-	-	-	-	403.1	23.38	-	-	-	-
Kentucky	-	-	-	-	-	-	407.3	23.78	-	-	-	-
Mississippi	148.6	206.0	12.96	1.1	337.2	21.18	375.7	21.74	-	-	207.0	13.02
Tennessee	-	-	-	-	-	-	392.8	22.82	-	-	-	-
West South Central	**21.2**	**271.3**	**17.22**	**100.3**	**276.5**	**17.48**	**384.4**	**22.28**	**464.7**	**27.97**	**275.6**	**17.43**
Arkansas	-	-	-	-	-	-	386.0	22.20	-	-	-	-
Louisiana	21.2	271.3	17.22	.2	303.3	19.40	363.4	21.44	-	-	271.6	17.24
Oklahoma	-	-	-	-	-	-	391.2	22.56	-	-	-	-
Texas	-	-	-	100.1	276.4	17.47	387.1	22.44	464.7	27.97	276.4	17.47
Mountain	**25.9**	**214.2**	**13.05**	**456.0**	**236.0**	**14.72**	**424.7**	**24.73**	**-**	**-**	**234.9**	**14.63**
Arizona	-	-	-	10.7	224.0	13.21	433.8	25.26	-	-	224.0	13.21
Colorado	-	-	-	-	-	-	386.3	22.18	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	410.7	24.32	-	-	-	-
Nevada	-	-	-	445.3	236.3	14.76	440.8	25.48	-	-	236.3	14.76
New Mexico	25.9	214.2	13.05	-	-	-	446.8	25.52	-	-	214.2	13.05
Utah	-	-	-	-	-	-	411.9	24.26	-	-	-	-
Wyoming	-	-	-	-	-	-	409.5	23.95	-	-	-	-
Pacific	**1,562.9**	**271.5**	**16.71**	**1,630.6**	**291.7**	**18.57**	**409.8**	**24.27**	**-**	**-**	**282.0**	**17.66**
California	1,562.9	271.5	16.71	1,630.6	291.7	18.57	-	-	-	-	282.0	17.66
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	409.8	24.27	-	-	-	-
Pacific Noncontiguous	**10,223.1**	**344.2**	**21.58**	**100.0**	**327.3**	**20.67**	**463.4**	**27.14**	**-**	**-**	**344.1**	**21.57**
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	10,223.1	344.2	21.58	100.0	327.3	20.67	463.4	27.14	-	-	344.1	21.57
Total	**147,897.9**	**299.1**	**19.03**	**38,579.1**	**290.8**	**18.32**	**400.5**	**23.34**	**355.7**	**21.36**	**297.4**	**18.89**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1983-1987

Census Division and State	1987	1986	1985	1984	1983	1987	1986	1985	1984	1983
	(cents per million Btu)					(dollars per barrel)				
New England	**278.9**	**230.6**	**404.1**	**468.8**	**438.0**	**17.72**	**14.59**	**25.58**	**29.53**	**27.51**
Connecticut	293.6	250.8	424.2	484.5	454.0	18.50	15.75	26.68	30.39	28.52
Maine	293.7	239.3	422.4	496.6	467.9	18.58	15.06	26.71	31.25	29.41
Massachusetts	271.5	223.8	391.6	458.4	424.0	17.28	14.16	24.83	28.85	26.61
New Hampshire	258.7	191.7	363.6	430.6	419.7	16.93	12.46	23.82	27.95	26.60
Rhode Island	267.8	237.1	403.3	464.7	434.7	17.00	15.04	25.56	29.43	27.42
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**306.7**	**246.2**	**431.6**	**482.6**	**461.4**	**19.25**	**15.39**	**27.00**	**30.16**	**28.78**
New Jersey	312.2	238.0	441.6	493.1	480.7	19.44	14.73	27.35	30.52	29.73
New York	306.1	247.0	426.1	476.8	454.2	19.23	15.48	26.74	29.88	28.38
Pennsylvania	305.5	250.0	440.9	489.8	465.1	19.17	15.63	27.53	30.62	29.15
East North Central	**361.2**	**402.3**	**582.6**	**600.1**	**606.2**	**22.31**	**24.70**	**35.84**	**37.31**	**37.60**
Illinois	361.6	504.2	602.9	620.6	618.9	22.75	31.60	38.09	39.34	39.02
Indiana	412.2	389.0	586.9	604.9	606.4	23.77	22.48	33.84	34.80	34.94
Michigan	337.5	277.4	524.9	513.1	530.3	20.42	16.96	31.17	31.12	32.15
Ohio	395.7	353.0	561.6	620.0	644.9	23.18	20.73	33.36	36.81	37.80
Wisconsin	396.8	359.6	548.1	594.4	597.0	23.01	20.86	31.88	34.51	34.47
West North Central	**322.8**	**299.7**	**499.3**	**541.1**	**506.4**	**19.63**	**18.09**	**30.13**	**32.70**	**30.23**
Iowa	405.7	362.5	593.0	609.7	617.6	23.63	21.11	34.49	35.24	35.85
Kansas	387.0	335.7	554.8	559.5	516.5	22.46	19.54	32.30	33.92	31.75
Minnesota	446.6	391.2	597.4	621.7	449.3	25.84	22.56	34.65	36.11	27.46
Missouri	279.6	259.9	435.8	497.7	506.2	17.45	16.12	27.22	30.76	30.75
Nebraska	250.2	259.1	588.7	604.0	586.3	15.60	16.10	34.15	35.04	34.01
North Dakota	388.1	364.5	548.8	584.9	474.6	22.69	21.21	31.84	34.20	27.50
South Dakota	434.3	368.0	580.9	604.2	568.7	25.54	21.64	34.16	35.02	32.96
South Atlantic	**298.1**	**221.7**	**408.2**	**471.3**	**437.6**	**19.22**	**13.98**	**25.70**	**29.69**	**27.61**
Delaware	278.7	233.2	417.7	473.2	446.8	17.60	14.64	26.30	29.82	28.28
District of Columbia	354.8	273.4	494.5	542.2	541.4	21.28	16.46	29.66	32.52	32.50
Florida	292.2	216.9	391.6	464.4	429.4	19.16	13.74	24.82	29.36	27.17
Georgia	344.9	231.8	548.2	578.5	458.7	20.68	14.12	31.92	33.71	28.24
Maryland	311.4	237.8	418.2	478.9	469.3	19.43	14.83	26.23	30.11	29.31
North Carolina	390.8	348.3	568.1	591.4	598.2	22.67	20.24	33.01	34.19	34.69
South Carolina	400.0	363.7	573.4	593.9	599.2	23.29	21.14	33.39	34.85	35.13
Virginia	309.3	215.6	452.1	473.7	461.2	19.13	13.37	28.04	29.68	28.86
West Virginia	436.1	370.7	600.0	622.2	622.2	25.53	21.70	35.19	36.42	36.49
East South Central	**359.5**	**242.8**	**561.6**	**581.3**	**584.9**	**21.26**	**15.01**	**33.10**	**34.13**	**34.51**
Alabama	403.1	349.1	599.6	615.4	627.8	23.38	20.27	34.88	35.85	36.34
Kentucky	407.3	350.3	580.2	613.3	628.4	23.78	20.42	33.83	35.67	36.54
Mississippi	237.6	213.0	472.1	442.6	407.1	14.72	13.40	29.04	27.04	25.51
Tennessee	392.8	336.8	585.1	611.3	650.2	22.82	19.57	33.95	35.58	37.80
West South Central	**366.3**	**256.6**	**531.3**	**570.7**	**517.0**	**21.56**	**15.45**	**31.58**	**34.17**	**30.86**
Arkansas	386.0	406.7	571.0	639.0	588.7	22.20	23.65	33.14	36.91	34.74
Louisiana	340.5	161.9	512.5	475.1	498.0	20.45	10.16	31.18	29.06	30.22
Oklahoma	391.2	289.6	553.5	584.5	580.6	22.56	16.75	31.79	33.81	33.62
Texas	363.7	272.5	528.8	574.4	511.5	21.50	16.28	31.45	34.46	30.41
Mountain	**334.5**	**308.6**	**595.0**	**596.5**	**581.7**	**20.10**	**18.50**	**34.92**	**35.20**	**34.38**
Arizona	426.2	362.3	621.7	607.9	605.6	24.82	21.41	36.61	36.03	35.83
Colorado	386.3	336.8	591.0	537.9	510.2	22.18	19.43	33.94	31.82	30.70
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	410.7	428.3	610.6	579.8	-	24.32	25.37	36.16	34.34	-
Nevada	245.0	210.9	612.1	594.1	620.3	15.25	13.10	35.49	34.30	35.52
New Mexico	357.0	286.1	521.7	541.7	508.3	20.89	16.90	30.83	32.52	30.45
Utah	411.9	361.9	566.8	608.8	611.4	24.26	21.33	33.33	35.80	35.95
Wyoming	409.5	386.9	600.0	636.5	626.8	23.95	22.62	35.06	37.11	36.71
Pacific	**282.6**	**316.5**	**531.6**	**597.1**	**605.9**	**17.70**	**19.52**	**32.88**	**36.76**	**37.75**
California	282.0	316.6	531.3	597.1	605.7	17.66	19.53	32.87	36.79	37.74
Oregon	-	324.2	566.5	574.7	607.3	-	18.90	33.03	33.37	34.94
Washington	409.8	276.1	571.9	604.3	666.3	24.27	16.35	33.87	35.79	39.46
Noncontiguous	**344.6**	**286.7**	**485.9**	**541.8**	**553.3**	**21.60**	**17.94**	**30.44**	**34.13**	**34.74**
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	344.6	286.7	485.9	541.8	553.3	21.60	17.94	30.44	34.13	34.74
Total	**301.1**	**243.7**	**431.7**	**486.3**	**462.8**	**19.06**	**15.30**	**27.08**	**30.47**	**28.98**

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 43. Average Cost of Gas Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987

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	**123.9**	**555.7**	**5.72**	**40,448.3**	**240.0**	**2.47**	**4,189.8**	**212.1**	**2.19**	**44,762.0**	**238.3**	**2.45**
Connecticut	-	-	-	3,180.0	268.9	2.77	4,189.8	212.1	2.19	7,369.8	236.6	2.44
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	123.9	555.7	5.72	31,557.8	238.6	2.45	-	-	-	31,681.7	239.9	2.46
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	5,710.5	231.8	2.39	-	-	-	5,710.5	231.8	2.39
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**68,762.4**	**261.3**	**2.69**	**122,632.1**	**243.5**	**2.51**	**26,623.2**	**224.9**	**2.31**	**218,017.8**	**246.8**	**2.54**
New Jersey	-	-	-	52,671.7	255.0	2.63	-	-	-	52,671.7	255.0	2.63
New York	68,762.4	261.3	2.69	69,709.3	234.5	2.42	26,623.2	224.9	2.31	165,094.9	244.1	2.51
Pennsylvania	-	-	-	251.2	334.9	3.45	-	-	-	251.2	334.9	3.45
East North Central	**3,954.3**	**333.7**	**3.38**	**11,347.8**	**298.0**	**1.36**	**-**	**-**	**-**	**15,302.0**	**313.6**	**1.88**
Illinois	1,285.6	422.3	4.32	1,133.8	301.6	3.10	-	-	-	2,419.4	365.6	3.75
Indiana	1,061.3	282.6	2.84	27.7	269.9	2.77	-	-	-	1,089.0	282.2	2.84
Michigan	1,290.4	309.4	3.13	9,109.4	261.4	.83	-	-	-	10,399.8	276.3	1.12
Ohio	317.0	239.0	2.40	212.8	400.4	4.08	-	-	-	529.8	304.4	3.07
Wisconsin	-	-	-	864.1	392.0	3.89	-	-	-	864.1	392.0	3.89
West North Central	**1,213.6**	**253.3**	**2.59**	**16,785.6**	**221.7**	**2.19**	**1,343.8**	**192.8**	**1.92**	**19,343.0**	**221.7**	**2.20**
Iowa	369.8	311.4	3.19	2,268.7	199.5	2.00	-	-	-	2,638.5	215.4	2.17
Kansas	665.8	235.5	2.42	10,169.1	216.2	2.13	-	-	-	10,834.8	217.5	2.15
Minnesota	17.6	314.5	3.14	2,208.7	215.5	2.15	1,343.8	192.8	1.92	3,570.1	207.5	2.07
Missouri	-	-	-	857.6	296.1	2.93	-	-	-	857.6	296.1	2.93
Nebraska	160.5	185.2	1.85	1,277.8	265.5	2.59	-	-	-	1,438.3	256.3	2.50
North Dakota	-	-	-	3.6	443.4	4.75	-	-	-	3.6	443.4	4.75
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	**115,925.8**	**270.2**	**2.71**	**55,959.9**	**274.3**	**2.83**	**-**	**-**	**-**	**171,885.6**	**271.5**	**2.75**
Delaware	1,337.3	260.5	2.69	6,519.1	277.4	2.88	-	-	-	7,856.4	274.5	2.84
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	114,280.2	270.1	2.70	37,449.0	275.2	2.83	-	-	-	151,729.3	271.4	2.73
Georgia	308.2	346.0	3.54	496.8	387.3	3.96	-	-	-	805.0	371.5	3.80
Maryland	-	-	-	8,687.0	268.1	2.80	-	-	-	8,687.0	268.1	2.80
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	236.4	334.5	3.44	-	-	-	236.4	334.5	3.44
Virginia	-	-	-	2,484.0	243.0	2.52	-	-	-	2,484.0	243.0	2.52
West Virginia	-	-	-	87.5	393.6	3.94	-	-	-	87.5	393.6	3.94
East South Central	**21,077.8**	**199.9**	**2.06**	**16,256.9**	**167.6**	**1.72**	**274.0**	**268.4**	**2.75**	**37,608.7**	**186.5**	**1.92**
Alabama	201.3	211.1	2.18	656.8	209.9	2.22	-	-	-	858.1	210.2	2.22
Kentucky	45.4	338.2	3.38	-	-	-	274.0	268.4	2.75	319.4	278.1	2.84
Mississippi	20,831.2	199.5	2.06	15,600.1	165.7	1.70	-	-	-	36,431.3	185.1	1.90
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-
West South Central	**1,157,810.2**	**215.1**	**2.23**	**356,183.8**	**167.9**	**1.74**	**-**	**-**	**-**	**1,513,994.0**	**204.0**	**2.12**
Arkansas	3,871.1	95.3	1.06	28,195.4	160.7	1.64	-	-	-	32,066.5	152.2	1.57
Louisiana	161,899.9	151.4	1.58	76,249.7	178.1	1.86	-	-	-	238,149.6	160.0	1.67
Oklahoma	172,393.3	269.6	2.82	12,765.0	141.8	1.47	-	-	-	185,158.3	260.9	2.73
Texas	819,645.9	216.8	2.24	238,973.6	166.9	1.73	-	-	-	1,058,619.5	205.5	2.13
Mountain	**19,335.0**	**239.7**	**2.46**	**22,805.9**	**223.9**	**2.30**	**-**	**-**	**-**	**42,140.9**	**231.2**	**2.38**
Arizona	5,416.4	224.7	2.31	8,908.1	216.2	2.24	-	-	-	14,324.5	219.4	2.27
Colorado	1,547.3	224.7	2.21	3,475.0	230.4	2.28	-	-	-	5,022.3	228.6	2.26
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	471.0	88.1	1.06	5.7	440.5	4.77	-	-	-	476.7	91.9	1.11
Nevada	-	-	-	7,021.6	256.4	2.65	-	-	-	7,021.6	256.4	2.65
New Mexico	11,900.3	255.5	2.61	3,300.5	165.8	1.72	-	-	-	15,200.8	235.8	2.42
Utah	-	-	-	5.0	507.4	5.47	-	-	-	5.0	507.4	5.47
Wyoming	-	-	-	90.0	326.1	3.32	-	-	-	90.0	326.1	3.32
Pacific	**-**	**-**	**-**	**603,812.2**	**250.1**	**2.59**	**-**	**-**	**-**	**603,812.2**	**250.1**	**2.59**
California	-	-	-	603,812.2	250.1	2.59	-	-	-	603,812.2	250.1	2.59
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Total	**1,388,203.1**	**222.4**	**2.30**	**1,246,232.4**	**224.8**	**2.32**	**32,430.8**	**222.3**	**2.28**	**2,666,866.3**	**223.5**	**2.31**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1983-1987

Census Division and State	1987	1986	1985	1984	1983	1987	1986	1985	1984	1983
	(cents per million Btu)					(dollars per Mcf)				
New England	**238.3**	**225.7**	**340.8**	**400.5**	**386.9**	**2.45**	**2.32**	**3.54**	**4.22**	**4.07**
Connecticut	236.6	208.9	338.7	370.5	-	2.44	2.16	3.49	3.81	-
Maine	-	-	-	-	-	-	-	-	-	-
Massachusetts	239.9	226.9	341.2	404.2	388.7	2.46	2.33	3.54	4.29	4.10
New Hampshire	-	-	-	391.4	-	-	-	-	4.02	-
Rhode Island	231.8	-	336.8	391.1	375.3	2.39	-	3.48	4.03	3.90
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**246.8**	**228.3**	**358.6**	**409.6**	**400.1**	**2.54**	**2.36**	**3.72**	**4.23**	**4.13**
New Jersey	255.0	250.9	396.5	434.0	404.6	2.63	2.60	4.15	4.50	4.20
New York	244.1	223.9	348.2	399.1	397.5	2.51	2.32	3.61	4.12	4.10
Pennsylvania	334.9	360.6	508.4	453.4	510.4	3.45	3.70	5.08	4.53	5.10
East North Central	**313.6**	**422.7**	**477.4**	**462.5**	**487.3**	**1.88**	**2.71**	**3.56**	**3.88**	**3.65**
Illinois	365.6	462.1	519.0	487.2	529.1	3.75	4.74	5.33	5.02	5.44
Indiana	282.2	453.6	415.2	412.9	423.8	2.84	4.56	4.17	4.14	4.25
Michigan	276.3	363.7	442.8	454.5	438.8	1.12	1.26	2.04	2.69	.93
Ohio	304.4	466.9	508.6	516.6	516.9	3.07	4.75	5.16	5.24	5.23
Wisconsin	392.0	375.2	411.1	404.8	428.4	3.89	3.76	4.11	4.02	4.24
West North Central	**221.7**	**269.2**	**303.1**	**331.0**	**309.9**	**2.20**	**2.63**	**2.95**	**3.24**	**2.98**
Iowa	215.4	341.8	361.0	368.7	374.7	2.17	3.48	3.69	3.82	3.85
Kansas	217.5	250.0	288.4	322.1	295.4	2.15	2.42	2.79	3.14	2.81
Minnesota	207.5	295.4	369.3	373.2	379.8	2.07	2.95	3.70	3.74	3.84
Missouri	296.1	292.3	330.9	393.2	416.4	2.93	2.87	3.28	3.92	4.14
Nebraska	256.3	320.9	358.4	340.1	325.8	2.50	3.11	3.43	3.23	3.09
North Dakota	443.4	-	-	-	-	4.75	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-
South Atlantic	**271.5**	**208.6**	**329.1**	**338.6**	**263.2**	**2.75**	**2.11**	**3.33**	**3.43**	**2.66**
Delaware	274.5	253.2	388.0	444.0	418.0	2.84	2.65	4.03	4.61	4.32
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	271.4	207.9	324.9	331.3	252.9	2.73	2.10	3.29	3.35	2.56
Georgia	371.5	200.4	430.5	443.7	417.7	3.80	2.05	4.41	4.54	4.28
Maryland	268.1	274.0	-	-	-	2.80	2.90	-	-	-
North Carolina	-	-	-	-	-	-	-	-	-	-
South Carolina	334.5	203.1	454.4	445.8	428.5	3.44	2.08	4.68	4.58	4.40
Virginia	243.0	201.3	344.3	421.9	420.2	2.52	2.12	3.58	4.39	4.39
West Virginia	393.6	402.6	477.5	501.6	454.6	3.94	4.03	4.77	5.02	4.55
East South Central	**186.5**	**232.4**	**281.8**	**289.8**	**333.4**	**1.92**	**2.41**	**2.93**	**2.98**	**3.43**
Alabama	210.2	247.0	317.2	325.9	312.9	2.22	2.69	3.48	3.66	3.45
Kentucky	278.1	296.6	354.0	359.8	378.8	2.84	3.03	3.63	3.68	3.88
Mississippi	185.1	231.5	279.5	287.5	332.5	1.90	2.40	2.90	2.95	3.42
Tennessee	-	-	-	-	-	-	-	-	-	-
West South Central	**204.0**	**222.4**	**304.4**	**307.6**	**306.4**	**2.12**	**2.31**	**3.16**	**3.18**	**3.16**
Arkansas	152.2	155.9	282.3	337.3	321.1	1.57	1.64	2.98	3.50	3.32
Louisiana	160.0	185.5	273.2	303.7	315.0	1.67	1.94	2.86	3.18	3.30
Oklahoma	260.9	263.4	291.7	265.2	239.4	2.73	2.75	3.05	2.76	2.52
Texas	205.5	225.8	314.0	315.4	317.4	2.13	2.34	3.25	3.25	3.25
Mountain	**231.2**	**284.9**	**365.4**	**380.9**	**391.7**	**2.38**	**2.97**	**3.80**	**3.90**	**4.00**
Arizona	219.4	235.3	374.4	400.5	412.3	2.27	2.46	3.97	4.21	4.30
Colorado	228.6	300.2	353.0	374.6	421.5	2.26	2.98	3.49	3.70	4.17
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	91.9	85.6	59.2	66.2	80.1	1.11	1.03	.71	.78	.96
Nevada	256.4	300.2	407.4	432.6	454.3	2.65	3.16	4.34	4.59	4.83
New Mexico	235.8	331.0	347.7	353.1	359.1	2.42	3.45	3.52	3.52	3.56
Utah	507.4	509.9	412.2	372.3	313.1	5.47	5.54	4.43	3.83	2.95
Wyoming	326.1	380.4	433.3	510.8	478.5	3.32	3.89	4.54	5.35	4.97
Pacific	**250.1**	**281.0**	**447.0**	**508.7**	**507.6**	**2.59**	**2.94**	**4.70**	**5.34**	**5.32**
California	250.1	281.0	447.0	508.7	507.6	2.59	2.94	4.70	5.34	5.32
Oregon	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-
Noncontiguous	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-
Total	**223.5**	**234.4**	**343.1**	**358.3**	**347.4**	**2.31**	**2.42**	**3.56**	**3.71**	**3.58**

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 with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987

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	**641.0**	**241.8**	**63.49**	**593.2**	**175.8**	**45.44**	**3,443.4**	**163.2**	**42.97**
Connecticut	641.0	241.8	63.49	129.0	242.7	63.92	-	-	-
Maine	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	448.4	156.2	40.18	3,288.2	161.6	42.56
New Hampshire	-	-	-	15.8	172.0	43.96	155.2	196.3	51.70
Rhode Island	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Middle Atlantic	**156.4**	**146.8**	**29.48**	**4,410.9**	**159.4**	**39.35**	**10,128.1**	**149.0**	**37.20**
New Jersey	-	-	-	1,460.3	172.8	45.79	614.7	194.4	52.12
New York	58.4	196.4	51.29	856.4	181.5	45.66	707.7	150.6	37.64
Pennsylvania	98.0	100.0	16.49	2,094.1	139.0	32.28	8,805.7	145.4	36.12
East North Central	**32,134.3**	**196.8**	**35.79**	**30,834.5**	**174.4**	**42.67**	**16,128.6**	**164.7**	**39.16**
Illinois	7,684.4	321.3	61.22	3,855.0	183.0	43.97	676.5	147.5	34.32
Indiana	4,609.2	194.6	33.85	1,607.1	180.2	46.02	3,954.5	148.1	32.74
Michigan	10,248.5	160.9	30.64	15,711.5	184.9	46.73	2,409.9	159.2	41.86
Ohio	9.7	149.5	40.99	7,835.5	148.5	36.04	7,841.6	176.7	41.96
Wisconsin	9,582.5	128.8	21.84	1,825.4	167.6	30.57	1,246.1	158.9	39.35
West North Central	**37,982.9**	**108.6**	**18.49**	**30,242.1**	**110.3**	**17.04**	**2,953.6**	**183.9**	**39.32**
Iowa	9,569.2	114.0	19.01	1,356.5	144.3	30.27	100.8	138.0	30.34
Kansas	11,970.8	120.3	20.24	807.8	152.8	33.49	-	-	-
Minnesota	5,654.6	111.6	19.57	6,907.4	125.8	21.74	58.8	188.7	35.99
Missouri	4,569.5	86.3	15.13	2,785.0	167.5	35.52	2,201.9	200.7	47.11
Nebraska	6,218.9	92.5	15.82	108.1	176.8	41.20	-	-	-
North Dakota	-	-	-	17,577.2	79.0	10.42	551.1	86.8	12.00
South Dakota	-	-	-	700.0	123.4	14.95	41.0	123.1	14.96
South Atlantic	**187.1**	**193.9**	**46.43**	**47,661.8**	**176.2**	**44.44**	**31,653.8**	**169.2**	**42.52**
Delaware	7.7	163.4	40.17	1,538.3	190.0	50.08	372.8	156.6	41.13
District of Columbia	-	-	-	-	-	-	-	-	-
Florida	166.5	199.2	47.53	6,789.5	180.6	46.11	4,614.5	195.6	49.87
Georgia	-	-	-	3,917.8	240.8	60.88	8,029.4	160.9	39.90
Maryland	2.7	110.8	27.47	2,119.1	160.2	40.73	1,232.5	144.7	36.76
North Carolina	.2	138.2	33.24	12,200.4	180.7	44.99	5,532.0	175.6	44.84
South Carolina	5.0	157.6	38.07	1,942.4	170.2	43.15	5,896.7	176.8	44.64
Virginia	5.0	154.0	38.32	6,696.2	158.3	40.51	2,065.8	157.1	40.50
West Virginia	-	-	-	12,458.2	160.5	40.09	3,910.2	148.8	35.77
East South Central	**436.3**	**244.0**	**61.79**	**19,846.1**	**181.7**	**44.85**	**9,763.5**	**150.2**	**37.14**
Alabama	369.4	256.3	65.37	7,561.2	204.6	50.20	3,157.5	200.3	49.70
Kentucky	1.0	100.7	21.76	6,814.4	145.4	36.28	2,624.7	133.3	31.73
Mississippi	65.9	173.5	42.35	2,772.8	209.7	54.15	-	-	-
Tennessee	-	-	-	2,697.7	180.7	41.92	3,981.3	121.7	30.74
West South Central	**62,097.5**	**177.7**	**30.48**	**33,130.3**	**115.4**	**15.28**	**11,469.2**	**143.1**	**17.84**
Arkansas	11,002.6	154.0	26.75	695.6	173.6	29.94	-	-	-
Louisiana	7,832.5	172.9	28.96	2,794.9	138.1	20.90	-	-	-
Oklahoma	11,379.2	155.8	26.81	523.4	167.3	42.27	54.3	147.6	39.15
Texas	31,883.2	194.9	33.45	29,116.5	109.1	13.90	11,414.9	143.1	17.74
Mountain	**40,269.3**	**112.1**	**22.25**	**46,054.6**	**112.1**	**21.81**	**34.4**	**87.3**	**15.59**
Arizona	8,154.0	124.1	26.53	4,560.2	140.4	29.41	-	-	-
Colorado	13,129.7	112.0	21.99	202.1	107.2	24.49	11.7	108.3	22.26
Idaho	-	-	-	-	-	-	-	-	-
Montana	65.6	120.9	15.94	7,530.0	64.4	11.08	-	-	-
Nevada	2,956.8	153.5	34.49	3,936.4	129.6	28.87	-	-	-
New Mexico	-	-	-	14,176.1	120.8	21.87	-	-	-
Utah	5,667.3	124.8	28.87	6,134.0	125.6	29.30	-	-	-
Wyoming	10,295.9	73.5	12.06	9,515.8	99.8	18.75	22.7	73.8	12.15
Pacific	**451.7**	**138.0**	**23.35**	**4,404.0**	**167.8**	**27.18**	-	-	-
California	-	-	-	-	-	-	-	-	-
Oregon	376.7	140.2	23.78	-	-	-	-	-	-
Washington	75.0	126.9	21.17	4,404.0	167.8	27.18	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-
Total	**174,356.5**	**150.8**	**27.14**	**217,177.4**	**150.1**	**30.71**	**85,574.7**	**161.7**	**37.23**

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 with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987 (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	**167.9**	**170.5**	**44.72**	**928.9**	**191.8**	**51.68**	-	-	-	**178.1**	**46.95**
Connecticut	-	-	-	-	-	-	-	-	-	242.0	63.56
Maine	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	152.3	170.7	44.78	-	-	-	-	-	-	161.4	42.37
New Hampshire	15.6	168.6	44.18	928.9	191.8	51.68	-	-	-	191.8	51.47
Rhode Island	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**15,486.3**	**141.4**	**35.04**	**18,188.9**	**149.1**	**37.28**	**5,484.2**	**147.8**	**35.69**	**147.6**	**36.61**
New Jersey	-	-	-	609.0	168.4	43.94	7.0	152.9	40.12	176.8	46.80
New York	3,209.1	149.4	38.14	3,299.0	152.1	39.30	-	-	-	154.3	39.46
Pennsylvania	12,277.2	139.3	34.23	14,280.9	147.5	36.53	5,477.2	147.8	35.69	144.3	35.43
East North Central	**9,036.3**	**154.1**	**36.80**	**36,131.3**	**144.7**	**32.76**	**37,828.2**	**153.9**	**34.95**	**164.2**	**36.62**
Illinois	937.5	158.5	36.97	9,858.1	148.5	32.68	5,497.9	171.9	36.41	200.0	42.80
Indiana	1,413.3	144.1	31.90	13,052.3	135.2	29.90	14,045.2	140.7	31.34	146.7	31.93
Michigan	669.8	179.1	42.41	738.9	173.7	40.44	110.6	179.6	41.76	175.3	40.55
Ohio	3,727.5	141.8	34.49	10,826.9	147.5	35.17	18,143.4	158.5	37.27	156.0	37.15
Wisconsin	2,288.3	170.6	41.87	1,655.2	164.6	36.58	31.1	130.4	28.10	147.2	28.35
West North Central	**465.0**	**136.7**	**31.17**	**4,842.0**	**151.4**	**34.36**	**12,856.1**	**138.1**	**29.73**	**120.5**	**21.23**
Iowa	174.4	118.8	26.43	1,840.2	128.1	28.87	744.7	183.4	41.18	124.6	22.81
Kansas	-	-	-	563.7	194.0	44.22	1,690.9	126.1	23.53	126.7	22.22
Minnesota	172.6	170.2	39.27	-	-	-	-	-	-	120.6	21.09
Missouri	118.0	113.4	26.34	2,438.2	158.9	36.23	10,420.5	136.5	29.92	141.3	29.96
Nebraska	-	-	-	-	-	-	-	-	-	94.5	16.26
North Dakota	-	-	-	-	-	-	-	-	-	79.3	10.46
South Dakota	-	-	-	-	-	-	-	-	-	123.4	14.95
South Atlantic	**19,440.1**	**154.7**	**38.35**	**20,864.4**	**160.2**	**39.31**	**10,113.3**	**146.4**	**35.00**	**166.6**	**41.51**
Delaware	496.8	172.2	43.74	6.8	151.1	37.88	-	-	-	181.1	47.33
District of Columbia	-	-	-	-	-	-	-	-	-	-	-
Florida	574.8	199.6	49.03	7,836.9	181.4	43.68	2,570.9	152.1	36.39	181.5	45.01
Georgia	6,701.9	167.3	41.08	5,169.5	171.1	40.73	2,532.7	184.9	40.72	178.9	43.56
Maryland	4,114.3	160.1	40.28	718.2	158.8	41.51	-	-	-	157.7	39.97
North Carolina	89.7	160.1	40.79	7.0	131.5	32.39	-	-	-	179.0	44.92
South Carolina	1,294.9	168.5	42.79	214.0	164.7	41.88	.4	150.4	36.14	174.0	44.01
Virginia	140.0	160.3	41.38	-	-	-	-	-	-	158.1	40.52
West Virginia	6,027.6	127.8	31.46	6,912.0	129.8	32.98	5,009.3	126.3	31.39	142.2	35.38
East South Central	**7,902.3**	**135.6**	**32.46**	**26,235.1**	**147.7**	**34.87**	**13,863.8**	**116.4**	**25.59**	**151.2**	**35.95**
Alabama	2,570.4	172.3	42.60	6,011.3	189.2	45.36	1,069.5	126.5	30.72	192.4	47.04
Kentucky	1,737.9	116.1	27.20	7,798.6	123.1	28.16	12,794.3	115.4	25.16	125.8	28.94
Mississippi	-	-	-	1,591.2	170.5	41.87	-	-	-	195.5	49.56
Tennessee	3,593.9	117.5	27.75	10,834.1	138.1	32.84	-	-	-	136.7	32.74
West South Central	**4,162.3**	**97.1**	**11.53**	**35.2**	**119.4**	**30.32**	**134.3**	**111.3**	**27.46**	**156.2**	**23.92**
Arkansas	-	-	-	-	-	-	11.2	135.7	24.34	155.2	26.94
Louisiana	-	-	-	-	-	-	-	-	-	164.4	26.84
Oklahoma	8.6	146.0	38.21	35.2	119.4	30.32	123.2	109.8	27.75	155.7	27.56
Texas	4,153.7	96.9	11.47	-	-	-	-	-	-	155.2	22.48
Mountain	-	-	-	**23.4**	**47.4**	**9.85**	-	-	-	**112.1**	**22.01**
Arizona	-	-	-	-	-	-	-	-	-	129.9	27.56
Colorado	-	-	-	23.4	47.4	9.85	-	-	-	111.8	22.01
Idaho	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	64.8	11.12
Nevada	-	-	-	-	-	-	-	-	-	139.9	31.28
New Mexico	-	-	-	-	-	-	-	-	-	120.8	21.87
Utah	-	-	-	-	-	-	-	-	-	125.2	29.09
Wyoming	-	-	-	-	-	-	-	-	-	87.0	15.27
Pacific	-	-	-	-	-	-	-	-	-	**164.9**	**26.82**
California	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	140.2	23.78
Washington	-	-	-	-	-	-	-	-	-	167.1	27.08
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-
Total	**56,660.2**	**145.8**	**34.36**	**107,249.4**	**150.1**	**35.55**	**80,279.9**	**143.7**	**32.54**	**150.6**	**31.83**

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 with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987

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	**54.4**	**332.3**	**20.99**	**3,740.1**	**308.6**	**19.33**	**26,223.3**	**285.4**	**18.06**
Connecticut	-	-	-	3,114.6	311.1	19.49	11,954.6	288.8	18.23
Maine	-	-	-	148.4	276.1	17.05	3,239.2	299.5	18.97
Massachusetts	53.7	332.1	21.00	477.0	302.2	18.97	10,020.3	279.0	17.68
New Hampshire	.7	353.7	20.41	-	-	-	177.2	252.4	16.86
Rhode Island	-	-	-	-	-	-	832.0	267.8	17.00
Vermont	-	-	-	-	-	-	-	-	-
Middle Atlantic	**25,505.6**	**317.6**	**19.66**	**6,641.7**	**315.4**	**19.71**	**17,551.8**	**302.2**	**19.11**
New Jersey	6,528.5	315.8	19.57	425.1	313.7	19.61	1,573.8	297.3	18.86
New York	18,687.1	318.5	19.71	3,516.6	316.8	19.74	7,759.0	312.0	19.72
Pennsylvania	290.0	303.7	18.96	2,700.0	313.7	19.68	8,219.0	293.9	18.59
East North Central	**-**	**-**	**-**	**-**	**-**	**-**	**4,484.9**	**347.5**	**21.90**
Illinois	-	-	-	-	-	-	3,565.0	355.6	22.54
Indiana	-	-	-	-	-	-	-	-	-
Michigan	-	-	-	-	-	-	919.9	315.1	19.40
Ohio	-	-	-	-	-	-	-	-	-
Wisconsin	-	-	-	-	-	-	-	-	-
West North Central	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Iowa	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-	-	-	-
Missouri	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-
South Atlantic	**-**	**-**	**-**	**394.4**	**354.0**	**22.02**	**37,232.9**	**295.5**	**19.24**
Delaware	-	-	-	-	-	-	2,269.8	275.3	17.43
District of Columbia	-	-	-	-	-	-	526.5	354.0	21.25
Florida	-	-	-	25.4	346.5	21.77	27,068.6	293.6	19.43
Georgia	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	369.0	354.5	22.04	2,095.0	301.8	18.96
North Carolina	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	5,273.0	306.3	18.99
West Virginia	-	-	-	-	-	-	-	-	-
East South Central	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Alabama	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	-	-	-	-	-	-
Tennessee	-	-	-	-	-	-	-	-	-
West South Central	**1.1**	**262.1**	**15.95**	**8.5**	**464.7**	**27.97**	**120.2**	**275.6**	**17.44**
Arkansas	-	-	-	-	-	-	-	-	-
Louisiana	-	-	-	-	-	-	21.2	271.3	17.22
Oklahoma	-	-	-	-	-	-	-	-	-
Texas	1.1	262.1	15.95	8.5	464.7	27.97	99.0	276.6	17.49
Mountain	**44.5**	**271.9**	**16.99**	**-**	**-**	**-**	**437.4**	**231.1**	**14.39**
Arizona	-	-	-	-	-	-	10.7	224.0	13.21
Colorado	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-
Nevada	44.5	271.9	16.99	-	-	-	400.8	232.4	14.51
New Mexico	-	-	-	-	-	-	25.9	214.2	13.05
Utah	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-
Pacific	**2,934.0**	**281.5**	**17.62**	**186.5**	**293.7**	**18.41**	**73.0**	**271.7**	**17.31**
California	2,934.0	281.5	17.62	186.5	293.7	18.41	73.0	271.7	17.31
Oregon	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	**-**	**-**	**-**	**10,323.1**	**344.1**	**21.57**	**-**	**-**	**-**
Alaska	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	10,323.1	344.1	21.57	-	-	-
Total	**28,539.6**	**313.8**	**19.45**	**21,294.2**	**328.7**	**20.58**	**86,123.5**	**296.1**	**18.97**

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 with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Census Division and State, 1987 (Continued)

Census Division and State	More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Purchases	
	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	Quantity (1,000 bbls)	(cents per 10^6 Btu)	($ per bbl)	(cents per 10^6 Btu)	($ per bbl)
New England	**9,568.1**	**260.5**	**16.80**	**10,837.5**	**267.6**	**17.04**	**-**	**-**	**-**	**278.5**	**17.70**
Connecticut	-	-	-	-	-	-	-	-	-	293.4	18.49
Maine	37.2	294.8	18.62	620.8	264.4	16.80	-	-	-	293.2	18.56
Massachusetts	6,336.5	261.3	16.74	10,216.6	267.8	17.05	-	-	-	271.1	17.25
New Hampshire	3,194.5	258.5	16.91	-	-	-	-	-	-	258.2	16.90
Rhode Island	-	-	-	-	-	-	-	-	-	267.8	17.00
Vermont	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	**22,029.1**	**291.6**	**18.54**	**-**	**-**	**-**	**-**	**-**	**-**	**305.5**	**19.19**
New Jersey	24.1	242.2	15.12	-	-	-	-	-	-	312.0	19.43
New York	22,005.0	291.7	18.55	-	-	-	-	-	-	305.9	19.22
Pennsylvania	-	-	-	-	-	-	-	-	-	298.9	18.86
East North Central	**98.0**	**300.3**	**19.01**	**-**	**-**	**-**	**-**	**-**	**-**	**346.5**	**21.84**
Illinois	-	-	-	-	-	-	-	-	-	355.6	22.54
Indiana	-	-	-	-	-	-	-	-	-	-	-
Michigan	47.0	300.4	18.75	-	-	-	-	-	-	314.4	19.37
Ohio	51.0	300.2	19.25	-	-	-	-	-	-	300.2	19.25
Wisconsin	-	-	-	-	-	-	-	-	-	-	-
West North Central	**257.3**	**240.4**	**15.29**	**36.0**	**232.4**	**14.97**	**-**	**-**	**-**	**239.4**	**15.25**
Iowa	-	-	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-	-	-	-	-	-
Missouri	235.4	241.5	15.37	28.8	233.5	15.20	-	-	-	240.6	15.35
Nebraska	21.9	228.7	14.41	-	-	-	-	-	-	228.7	14.41
North Dakota	-	-	-	7.2	227.9	14.07	-	-	-	227.9	14.07
South Dakota	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	**4,497.6**	**286.8**	**18.14**	**3,839.3**	**277.2**	**17.56**	**30.0**	**295.0**	**18.11**	**293.6**	**19.02**
Delaware	64.1	209.0	13.30	332.8	284.8	18.13	-	-	-	274.9	17.42
District of Columbia	-	-	-	-	-	-	-	-	-	354.0	21.25
Florida	2,838.2	282.8	17.94	3,031.3	270.6	17.18	-	-	-	290.7	19.09
Georgia	15.0	301.4	19.05	172.1	311.8	19.19	30.0	295.0	18.11	308.7	19.03
Maryland	1,580.4	296.9	18.67	303.0	317.1	19.88	-	-	-	305.5	19.18
North Carolina	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	306.3	18.99
West Virginia	-	-	-	-	-	-	-	-	-	-	-
East South Central	**-**	**-**	**-**	**-**	**-**	**-**	**149.6**	**207.0**	**13.02**	**207.0**	**13.02**
Alabama	-	-	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	-	-	-	149.6	207.0	13.02	207.0	13.02
Tennessee	-	-	-	-	-	-	-	-	-	-	-
West South Central	**.2**	**303.3**	**19.40**	**-**	**-**	**-**	**-**	**-**	**-**	**287.4**	**18.12**
Arkansas	-	-	-	-	-	-	-	-	-	-	-
Louisiana	.2	303.3	19.40	-	-	-	-	-	-	271.6	17.24
Oklahoma	-	-	-	-	-	-	-	-	-	-	-
Texas	-	-	-	-	-	-	-	-	-	290.5	18.29
Mountain	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**234.9**	**14.63**
Arizona	-	-	-	-	-	-	-	-	-	224.0	13.21
Colorado	-	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	236.3	14.76
New Mexico	-	-	-	-	-	-	-	-	-	214.2	13.05
Utah	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-
Pacific	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**282.0**	**17.66**
California	-	-	-	-	-	-	-	-	-	282.0	17.66
Oregon	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**344.1**	**21.57**
Alaska	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	344.1	21.57
Total	**36,450.3**	**282.4**	**18.02**	**14,712.7**	**270.0**	**17.17**	**179.6**	**221.4**	**13.87**	**297.6**	**18.89**

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

Background

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

The percentages shown under the heading "Percent of Receipts," Surface and Spot, represent the percent of total coal shipments surface-mined (versus coal mined underground) and the percent purchased on the spot market (versus coal purchased under contract).

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

Some utilities report more than one county-of-origin as the source of coal for a particular shipment. When this happens the data are split according to either the production data from the counties for 1986, 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 are made to compensate for this.

The following holding companies are covered in this chapter.

AEP - American Electric Power

APS - Allegheny Power System

ACE - Atlantic City Electric

CSW - Central & South West Coop.

DMV - Delmarva

GPU - General Public Utilities

MSU - Middle South Utilities

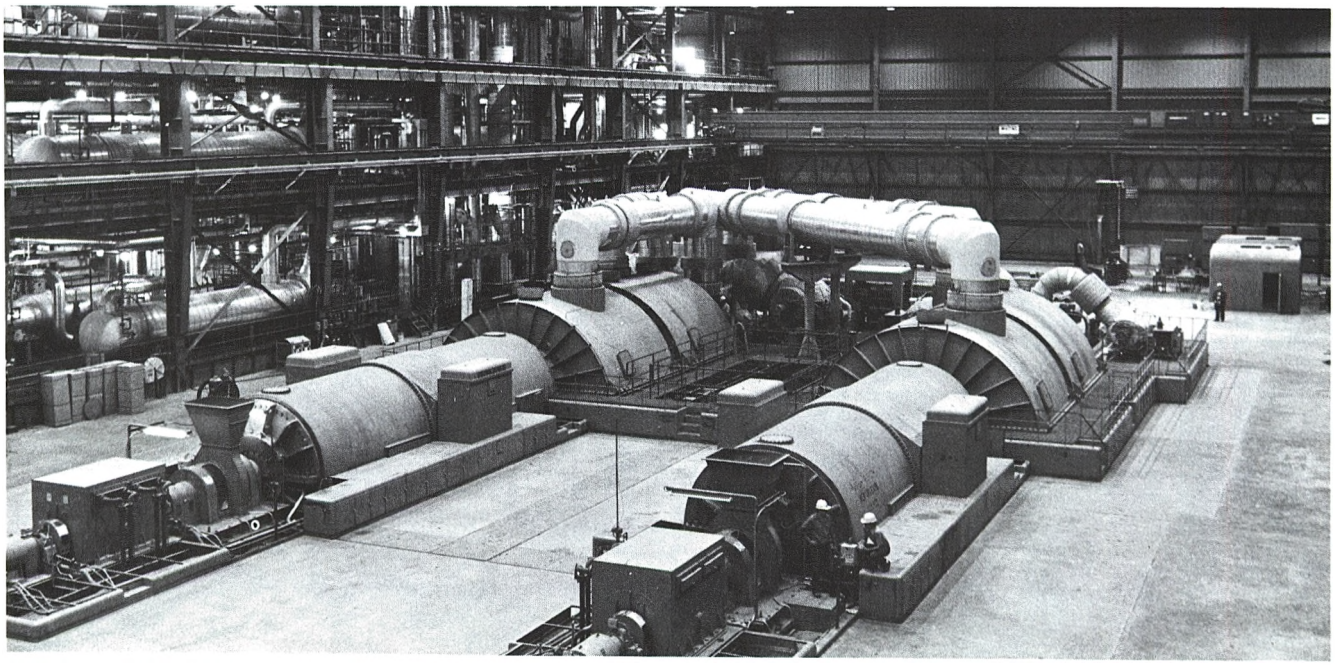
NEES - New England Electric System

NEGA - New England Gas & Electric Assoc.

NU - Northeast Utilities

SC - Southern Company

TU - Texas Utilities



A record 722 million short tons of coal was delivered to electric utilities in 1987.

Table 47. Origin and Destination of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 1	**40,062.8**	**52.8**	**23.0**	**12,375**	**1.76**	**13.7**	**146.5**	**36.26**
Maryland	**2,824.4**	**53.0**	**37.3**	**12,442**	**1.62**	**13.1**	**134.5**	**33.46**
Maryland	1,471.9	56.9	15.1	12,666	1.57	11.9	155.2	39.32
Massachusetts	78.3	-	21.7	13,171	1.24	8.9	146.9	38.69
New York	7.6	100.0	100.0	13,417	1.60	9.6	137.8	36.98
Virginia	7.0	100.0	100.0	12,187	1.53	9.9	150.0	36.56
West Virginia	1,259.6	51.1	63.6	12,131	1.71	14.9	108.2	26.25
Pennsylvania	**34,015.1**	**55.3**	**23.2**	**12,358**	**1.77**	**13.8**	**148.2**	**36.64**
Delaware	531.2	95.9	6.6	12,588	1.61	11.0	177.2	44.61
Maryland	2,810.6	100.0	3.9	12,487	1.76	12.5	164.7	41.14
Massachusetts	431.5	89.2	100.0	13,219	1.38	7.6	172.3	45.54
Michigan	211.0	100.0	28.9	12,681	2.67	8.4	172.9	43.86
New York	2,884.0	97.6	76.1	12,264	1.69	13.0	147.1	36.09
Ohio	67.0	100.0	100.0	12,255	2.41	11.4	131.2	32.15
Pennsylvania	27,050.7	44.3	18.4	12,334	1.78	14.3	145.5	35.89
West Virginia	9.0	22.2	100.0	11,328	1.93	17.3	100.3	22.73
Wisconsin	20.0	100.0	100.0	12,750	2.60	8.9	142.4	36.31
West Virginia	**3,223.2**	**25.7**	**8.1**	**12,497**	**1.74**	**12.8**	**139.1**	**34.76**
Massachusetts	79.9	-	40.1	13,054	1.13	9.3	150.9	39.39
New Hampshire	19.3	33.3	-	13,159	1.11	7.8	204.1	53.72
West Virginia	3,124.0	26.3	7.3	12,478	1.76	13.0	138.4	34.53
District 2	**13,773.4**	**42.4**	**33.7**	**12,676**	**1.77**	**9.5**	**146.4**	**37.13**
Pennsylvania	**13,773.4**	**42.4**	**33.7**	**12,676**	**1.77**	**9.5**	**146.4**	**37.13**
Kentucky	26.6	100.0	-	11,247	2.68	17.0	156.8	35.28
Maryland	28.0	-	100.0	13,146	1.74	9.1	164.3	43.20
Massachusetts	204.1	-	19.6	13,305	1.30	6.0	158.8	42.25
Michigan	1,976.8	-	34.9	13,013	1.24	7.5	163.3	42.51
New Jersey	8.0	100.0	100.0	12,648	2.16	7.8	187.7	47.48
New York	1,771.9	51.0	42.3	13,115	1.73	6.8	150.9	39.58
Ohio	3,360.0	68.4	33.0	12,465	2.06	10.8	137.2	34.21
Pennsylvania	4,589.4	50.2	39.0	12,355	1.86	11.3	141.3	34.91
West Virginia	222.7	24.1	87.9	12,536	1.92	10.4	103.7	26.00
Wisconsin	1,585.9	15.1	2.1	13,093	1.58	7.2	156.7	41.04
District 3	**31,639.9**	**19.5**	**18.3**	**12,748**	**2.09**	**10.4**	**146.7**	**37.40**
West Virginia	**31,639.9**	**19.5**	**18.3**	**12,748**	**2.09**	**10.4**	**146.7**	**37.40**
Delaware	1,521.0	1.1	16.9	13,295	.90	8.1	177.1	47.09
Florida	232.8	16.1	47.1	13,069	2.62	8.5	152.3	39.80
Indiana	23.2	69.4	100.0	12,764	2.76	9.6	130.1	33.20
Maryland	2,952.2	40.4	36.3	12,867	1.38	9.4	150.3	38.67
Massachusetts	1,079.1	17.4	30.4	13,085	1.18	9.2	156.3	40.89
Michigan	56.0	-	100.0	12,822	1.21	8.7	122.4	31.39
New Hampshire	928.9	-	-	13,474	2.41	7.3	191.8	51.68
New Jersey	1,796.7	30.9	13.7	13,130	1.48	8.8	170.7	44.82
New York	2,735.9	.4	8.0	13,014	2.39	8.6	155.2	40.40
Ohio	222.4	57.7	100.0	12,667	2.44	9.6	126.4	32.01
Pennsylvania	5,835.7	11.4	12.4	12,671	2.31	10.4	142.8	36.19
Tennessee	320.0	-	15.1	12,442	2.73	11.9	137.2	34.14
West Virginia	13,926.4	24.0	17.6	12,521	2.33	11.6	135.6	33.96
Wisconsin	9.5	66.7	100.0	13,100	.70	8.2	165.0	43.23
District 4	**33,060.4**	**60.3**	**21.8**	**11,752**	**3.18**	**11.3**	**157.9**	**37.11**
Ohio	**33,060.4**	**60.3**	**21.8**	**11,752**	**3.18**	**11.3**	**157.9**	**37.11**
Alabama	2,602.6	100.0	16.5	11,614	2.30	12.2	204.8	47.57
Indiana	73.3	100.0	100.0	11,303	3.40	10.4	103.0	23.29
Kentucky	763.4	98.2	24.5	11,186	2.36	13.5	130.0	29.09
Maryland	7.0	66.7	100.0	12,738	1.77	7.4	161.3	41.09
Michigan	944.7	20.5	5.6	11,360	2.26	10.9	183.6	41.70
Mississippi	48.0	100.0	100.0	12,340	2.27	9.6	166.1	41.00
New Jersey	8.0	100.0	100.0	12,997	2.14	6.6	182.1	47.34
New York	106.0	100.0	100.0	12,894	1.63	8.2	147.1	37.92
Ohio	24,880.9	60.8	22.1	11,745	3.25	11.1	154.7	36.34
Pennsylvania	3,525.5	26.0	19.7	12,089	3.87	11.6	148.5	35.92
West Virginia	100.9	100.0	100.0	11,753	1.79	9.4	100.9	23.73
District 6	**6,856.4**	**2.6**	**1.8**	**12,117**	**3.79**	**11.3**	**147.6**	**35.77**
West Virginia	**6,856.4**	**2.6**	**1.8**	**12,117**	**3.79**	**11.3**	**147.6**	**35.77**
Kentucky	33.0	100.0	-	10,925	2.66	17.5	180.4	39.41
New Hampshire	66.3	33.3	-	13,154	1.21	8.0	198.3	52.18
Ohio	3,343.6	1.6	-	12,260	3.53	9.7	162.3	39.79
Pennsylvania	1,273.8	1.2	4.3	12,041	3.77	11.9	148.5	35.76
West Virginia	2,139.7	2.5	3.3	11,923	4.29	13.6	121.3	28.93
District 7	**1,735.8**	**23.1**	**27.4**	**12,956**	**.98**	**9.2**	**164.3**	**42.57**

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

Table 47. Origin and Destination of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 7								
Virginia	**1,222.8**	**17.8**	**4.0**	**12,974**	**1.06**	**9.4**	**169.5**	**43.99**
Massachusetts	85.3	100.0	8.2	12,952	1.12	9.0	154.6	40.04
Michigan	651.0	-	-	13,419	1.19	7.0	163.7	43.94
Virginia	445.0	29.8	-	12,247	.88	13.1	183.9	45.05
West Virginia	23.7	-	100.0	13,623	.77	7.6	137.3	37.41
Wisconsin	17.8	-	100.0	14,146	.74	5.5	167.1	47.27
West Virginia	**512.9**	**35.7**	**83.3**	**12,911**	**.79**	**8.9**	**151.7**	**39.17**
Illinois	67.0	9.2	100.0	12,809	.68	8.8	132.1	33.84
Indiana	53.5	-	100.0	13,796	.68	6.4	174.3	48.09
Massachusetts	195.9	21.5	100.0	12,887	.85	9.3	156.1	40.23
Michigan	15.3	-	100.0	13,200	.86	8.0	161.0	42.50
North Carolina	24.6	60.4	100.0	12,524	.70	10.5	139.1	34.85
Ohio	71.8	90.3	2.8	12,480	.64	9.1	144.2	35.98
Tennessee	15.7	-	-	12,651	.70	8.6	137.9	34.89
Virginia	69.0	79.7	100.0	12,977	1.02	9.2	152.3	39.52
District 8	**142,083.2**	**48.0**	**31.0**	**12,518**	**1.03**	**9.9**	**169.1**	**42.35**
Kentucky	**81,620.3**	**57.5**	**32.3**	**12,424**	**1.11**	**9.8**	**171.1**	**42.52**
Alabama	423.3	82.5	80.2	11,961	1.12	11.1	163.8	39.18
Connecticut	770.0	-	-	13,134	.49	6.7	242.0	63.56
Delaware	57.2	-	-	13,144	.54	8.1	206.5	54.28
Florida	8,478.7	63.1	20.2	12,818	1.02	7.9	185.7	47.61
Georgia	11,860.9	80.8	26.6	12,339	1.49	10.4	167.5	41.35
Illinois	1,635.7	42.1	55.5	12,972	.67	7.2	157.0	40.73
Indiana	721.1	46.1	30.2	12,799	.73	6.9	208.4	53.34
Iowa	.1	100.0	100.0	13,260	.73	8.3	229.1	60.76
Kentucky	8,921.2	69.0	57.0	12,216	1.17	10.9	137.5	33.60
Maryland	316.0	100.0	-	13,047	.73	8.5	167.3	43.66
Massachusetts	21.0	85.7	100.0	12,838	.81	9.7	152.4	39.13
Michigan	10,716.2	44.7	23.3	12,674	.81	8.5	188.8	47.85
Mississippi	1,995.6	4.4	96.7	12,791	.86	7.8	208.0	53.20
New York	369.1	-	1.9	13,299	.53	8.0	191.1	50.82
North Carolina	8,411.5	41.5	17.0	12,510	.97	8.8	179.9	45.02
Ohio	8,812.8	72.7	34.2	11,792	1.19	12.6	164.7	38.84
South Carolina	8,400.8	47.4	30.1	12,602	1.19	9.5	175.8	44.32
Tennessee	5,892.9	66.0	21.7	11,792	1.29	12.2	147.4	34.77
Virginia	2,649.2	20.1	67.6	12,864	1.04	8.2	157.0	40.39
West Virginia	1,051.9	82.8	34.2	12,259	1.04	10.2	158.1	38.76
Wisconsin	115.1	59.9	100.0	13,230	.83	6.3	162.9	43.11
Tennessee	**4,017.0**	**25.8**	**41.9**	**12,547**	**1.39**	**10.1**	**146.1**	**36.67**
Alabama	13.3	50.0	100.0	12,613	1.00	7.3	125.5	31.66
Georgia	1,546.0	34.3	24.4	12,532	1.25	10.2	181.8	45.57
Kentucky	175.5	29.6	100.0	12,440	2.22	11.9	101.0	25.12
North Carolina	268.8	6.2	13.8	12,993	1.31	7.7	178.0	46.26
South Carolina	44.4	10.6	100.0	12,784	1.59	9.1	146.2	37.38
Tennessee	1,968.9	21.6	52.6	12,501	1.44	10.3	117.6	29.41
Virginia	**17,719.8**	**29.2**	**24.6**	**12,954**	**1.06**	**9.2**	**167.7**	**43.44**
Florida	1,172.8	-	32.2	12,790	.74	8.6	209.6	53.62
Georgia	3,588.5	34.9	39.2	12,933	1.22	9.8	174.4	45.10
Indiana	369.1	22.1	100.0	13,917	.81	6.0	161.5	44.96
Massachusetts	1,619.8	-	8.7	13,186	1.18	7.4	165.4	43.61
Mississippi	164.8	21.4	100.0	13,377	.73	7.1	189.3	50.66
New Hampshire	76.2	30.4	8.7	13,257	1.12	7.8	192.4	51.01
New Jersey	655.0	3.6	6.6	13,591	1.01	6.0	194.6	52.90
North Carolina	4,160.5	58.7	6.7	12,764	.99	10.3	170.3	43.47
Ohio	31.0	-	100.0	13,115	1.22	6.9	153.4	40.24
South Carolina	863.1	37.7	22.5	13,104	1.52	9.2	159.4	41.78
Tennessee	1,447.3	1.6	20.8	12,946	1.20	9.0	125.8	32.58
Virginia	3,560.7	26.7	28.8	12,872	.90	9.6	158.5	40.82
West Virginia	11.0	90.9	100.0	11,607	1.65	17.2	93.2	21.62
West Virginia	**38,726.1**	**38.9**	**29.9**	**12,515**	**.80**	**10.4**	**168.0**	**42.06**
Delaware	312.9	-	19.4	12,749	.66	8.3	203.4	51.87
Florida	1,224.4	49.5	26.4	12,471	.79	11.1	172.7	43.08
Georgia	1,230.3	-	7.9	12,243	.74	10.7	273.9	67.07
Illinois	271.0	-	25.8	13,438	.71	6.3	169.4	45.54
Indiana	96.2	-	100.0	13,366	.79	6.3	164.7	44.04
Kentucky	2,248.3	45.9	65.5	12,432	.73	10.4	137.0	34.07
Louisiana	208.9	-	-	13,061	.65	7.8	181.4	47.38
Maryland	601.0	100.0	-	12,419	.71	11.2	162.6	40.39
Massachusetts	65.0	-	100.0	12,889	.91	9.1	151.0	38.92
Michigan	4,289.9	35.8	35.9	13,107	.79	7.7	174.4	45.73
Mississippi	827.1	1.2	85.6	12,954	.92	7.6	208.8	54.09
New Jersey	223.3	28.5	28.6	13,076	.88	8.1	171.5	44.84
New York	256.0	-	-	13,190	.61	7.0	192.6	50.79
North Carolina	4,963.9	22.4	7.9	12,413	.77	10.8	185.0	45.94
Ohio	7,238.2	49.9	35.4	12,158	.88	12.1	159.2	38.71

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

Table 47. Origin and Destination of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 8								
West Virginia								
South Carolina	45.2	80.2	95.1	12,465	1.05	12.0	146.2	36.45
Virginia	2,176.1	68.4	51.6	12,773	.77	9.5	153.9	39.31
West Virginia	12,448.4	40.0	23.7	12,468	.81	10.6	157.2	39.21
District 9	**42,339.3**	**50.6**	**28.4**	**11,570**	**3.16**	**11.1**	**132.9**	**30.75**
Kentucky	**42,339.3**	**50.6**	**28.4**	**11,570**	**3.16**	**11.1**	**132.9**	**30.75**
Alabama	1,983.5	38.9	67.4	12,016	3.04	11.6	119.2	28.64
Florida	6,055.4	21.1	52.3	12,202	2.94	9.4	162.6	39.68
Georgia	1,509.5	90.0	12.1	11,748	2.87	10.4	156.9	36.88
Illinois	1,080.4	100.0	22.2	11,489	1.99	8.2	168.0	38.60
Indiana	3,296.3	69.5	43.5	11,789	3.37	10.8	111.3	26.23
Iowa	161.1	94.0	100.0	11,437	2.93	11.1	100.6	23.01
Kentucky	16,837.6	42.3	18.0	11,042	3.62	13.8	118.1	26.08
Mississippi	597.3	100.0	40.3	12,289	2.50	7.2	170.1	41.80
Ohio	297.9	85.6	37.3	11,298	2.57	9.3	127.7	28.85
Tennessee	10,409.4	61.8	20.2	11,850	2.72	8.3	138.1	32.74
Wisconsin	110.9	100.0	-	11,971	1.58	7.3	150.2	35.95
District 10	**55,481.3**	**40.9**	**8.6**	**11,158**	**2.60**	**9.6**	**166.3**	**37.11**
Illinois	**55,481.3**	**40.9**	**8.6**	**11,158**	**2.60**	**9.6**	**166.3**	**37.11**
Alabama	151.6	34.3	100.0	11,729	1.92	7.9	103.9	24.37
Florida	3,917.7	6.5	4.0	11,773	2.78	8.9	203.8	47.98
Georgia	5,725.6	44.4	-	11,456	2.48	8.9	191.2	43.80
Illinois	15,823.9	36.6	4.7	10,931	2.92	9.9	156.7	34.26
Indiana	11,124.5	24.7	12.3	10,885	2.66	10.2	166.2	36.18
Iowa	1,975.2	50.8	19.0	11,399	2.68	8.2	153.8	35.06
Kansas	480.5	12.1	16.7	11,203	2.54	12.3	204.7	45.87
Kentucky	7.2	100.0	100.0	10,479	2.31	12.4	94.2	19.74
Michigan	10.0	-	100.0	11,657	1.43	8.3	136.4	31.80
Minnesota	122.1	-	-	12,257	1.72	7.1	192.6	47.21
Mississippi	693.7	92.7	20.4	12,238	2.42	8.4	171.6	42.00
Missouri	12,976.2	68.4	5.2	11,133	2.30	9.8	158.6	35.30
Tennessee	1,047.6	39.7	87.7	11,830	1.89	7.8	115.5	27.33
Wisconsin	1,425.5	20.2	8.7	11,631	1.81	7.8	175.5	40.83
District 11	**26,168.1**	**98.2**	**17.5**	**11,127**	**2.51**	**9.1**	**133.3**	**29.67**
Indiana	**26,168.1**	**98.2**	**17.5**	**11,127**	**2.51**	**9.1**	**133.3**	**29.67**
Florida	258.8	95.5	100.0	11,071	2.89	9.4	119.0	26.35
Georgia	684.6	100.0	-	11,496	2.30	7.1	165.2	37.98
Illinois	1,326.4	90.4	46.5	11,125	1.33	8.7	156.2	34.76
Indiana	18,229.5	98.5	14.9	11,098	2.67	9.4	128.7	28.56
Iowa	404.0	100.0	19.6	10,906	2.38	9.7	104.6	22.82
Kentucky	2,758.1	100.0	22.2	11,214	2.43	8.5	121.0	27.14
Michigan	182.7	100.0	45.3	10,965	2.57	10.5	156.9	34.41
Minnesota	79.7	100.0	100.0	10,620	1.69	10.1	144.6	30.72
Missouri	19.0	84.2	84.2	11,000	1.20	11.0	115.2	25.34
Ohio	59.0	100.0	100.0	10,907	2.84	9.5	91.5	19.97
Wisconsin	2,166.3	97.1	3.1	11,225	2.01	8.9	169.3	38.02
District 12	**130.0**	**72.3**	**16.9**	**10,484**	**2.17**	**7.9**	**135.3**	**28.38**
Iowa	**130.0**	**72.3**	**16.9**	**10,484**	**2.17**	**7.9**	**135.3**	**28.38**
Iowa	130.0	72.3	16.9	10,484	2.17	7.9	135.3	28.38
District 13	**16,057.4**	**49.9**	**13.7**	**12,351**	**1.24**	**11.8**	**200.1**	**49.44**
Alabama	**15,179.1**	**52.6**	**11.8**	**12,341**	**1.27**	**11.8**	**204.2**	**50.39**
Alabama	14,691.7	52.3	10.3	12,353	1.23	11.7	205.4	50.74
Florida	244.1	23.3	100.0	12,088	2.36	11.5	130.8	31.62
Georgia	205.9	100.0	-	11,776	2.26	14.7	211.4	49.79
Mississippi	37.4	100.0	100.0	12,604	2.35	11.3	152.6	38.48
Tennessee	**878.4**	**3.0**	**46.8**	**12,522**	**.75**	**12.1**	**131.8**	**33.02**
Alabama	873.3	3.0	46.5	12,519	.75	12.1	131.9	33.04
Tennessee	5.1	-	100.0	12,944	1.20	12.2	112.9	29.24
District 14	**288.3**	**100.0**	**98.1**	**13,367**	**1.37**	**8.2**	**152.2**	**40.70**
Oklahoma	**288.3**	**100.0**	**98.1**	**13,367**	**1.37**	**8.2**	**152.2**	**40.70**
Oklahoma	288.3	100.0	98.1	13,367	1.37	8.2	152.2	40.70
District 15	**55,646.0**	**99.3**	**2.8**	**6,915**	**1.33**	**16.1**	**121.4**	**16.79**
Kansas	**1,871.3**	**100.0**	**20.5**	**9,970**	**4.61**	**22.0**	**130.2**	**25.96**
Kansas	1,538.9	100.0	9.4	9,532	4.85	24.0	127.0	24.21
Missouri	332.4	100.0	72.2	12,000	3.54	13.1	141.9	34.06
Louisiana	**2,689.0**	**86.6**	**-**	**6,878**	**.55**	**12.2**	**121.6**	**16.72**
Louisiana	2,689.0	86.6	-	6,878	.55	12.2	121.6	16.72

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 47. Origin and Destination of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 15								
Missouri	**4,201.0**	**100.0**	**6.7**	**10,419**	**4.50**	**13.3**	**138.2**	**28.80**
Iowa	133.0	100.0	-	10,614	2.26	8.6	130.1	27.62
Kansas	235.2	100.0	-	9,162	4.84	25.8	125.8	23.05
Missouri	3,832.8	100.0	7.3	10,489	4.56	12.7	139.2	29.20
Oklahoma	**1,678.4**	**100.0**	**46.2**	**12,433**	**2.44**	**9.5**	**149.3**	**37.14**
Florida	416.7	100.0	100.0	12,397	.76	8.2	194.2	48.15
Kansas	67.1	100.0	100.0	11,648	.48	11.5	176.0	41.00
Missouri	793.3	100.0	20.3	12,336	4.05	11.2	121.9	30.06
Oklahoma	401.3	100.0	32.6	12,792	1.36	7.4	152.6	39.04
Texas	**45,206.4**	**100.0**	**.3**	**6,260**	**.91**	**16.6**	**116.2**	**14.54**
Texas	45,206.4	100.0	.3	6,260	.91	16.6	116.2	14.54
District 16	**33.2**	**100.0**	**100.0**	**10,376**	**.30**	**6.6**	**118.5**	**24.60**
Colorado	**33.2**	**100.0**	**100.0**	**10,376**	**.30**	**6.6**	**118.5**	**24.60**
Colorado	33.2	100.0	100.0	10,376	.30	6.6	118.5	24.60
District 17	**12,624.0**	**67.9**	**5.7**	**10,691**	**.40**	**8.1**	**147.7**	**31.57**
Colorado	**11,957.4**	**66.2**	**6.0**	**10,618**	**.40**	**7.8**	**143.2**	**30.41**
Arizona	173.3	100.0	-	12,045	.42	14.7	144.0	34.70
Colorado	8,458.3	75.1	4.1	10,515	.40	8.1	114.3	24.04
Indiana	323.6	-	-	11,187	.45	7.5	288.9	64.63
Nebraska	77.9	-	-	12,219	.58	7.6	173.9	42.50
Texas	1,864.1	74.7	19.2	10,726	.36	5.4	208.2	44.67
Utah	1,050.0	-	-	10,698	.42	8.8	206.0	44.08
Wisconsin	10.2	-	100.0	13,206	.38	8.9	175.1	46.25
New Mexico	**666.5**	**98.5**	**1.5**	**11,992**	**.46**	**14.2**	**218.7**	**52.45**
Arizona	613.4	100.0	-	11,984	.46	14.2	224.5	53.80
Texas	43.0	100.0	-	11,919	.55	15.9	141.5	33.74
Wisconsin	10.1	-	100.0	12,788	.33	8.7	196.3	50.21
District 18	**30,264.4**	**100.0**	**.3**	**9,890**	**.64**	**15.9**	**119.4**	**23.62**
Arizona	**11,336.4**	**100.0**	**-**	**11,001**	**.50**	**9.3**	**95.4**	**21.00**
Arizona	7,043.5	100.0	-	11,012	.49	8.9	89.9	19.80
Nevada	4,292.9	100.0	-	10,984	.53	10.0	104.5	22.96
New Mexico	**18,928.0**	**100.0**	**.5**	**9,224**	**.72**	**19.8**	**136.6**	**25.19**
Arizona	4,752.0	100.0	2.1	9,748	.56	14.5	180.1	35.12
New Mexico	14,176.1	100.0	-	9,049	.78	21.6	120.8	21.87
District 19	**142,463.7**	**99.8**	**5.4**	**8,637**	**.39**	**5.7**	**146.0**	**25.22**
Wyoming	**142,463.7**	**99.8**	**5.4**	**8,637**	**.39**	**5.7**	**146.0**	**25.22**
Arizona	9.6	100.0	-	8,964	.84	4.8	162.0	29.04
Arkansas	11,709.3	100.0	1.6	8,682	.32	5.5	155.2	26.94
Colorado	4,645.1	100.0	.7	8,530	.31	4.7	106.5	18.17
Illinois	6,151.0	100.0	-	9,506	.44	7.0	335.3	63.75
Indiana	3,386.2	98.8	3.3	8,275	.36	5.4	151.4	25.06
Iowa	10,982.4	99.7	5.8	8,616	.41	5.6	118.8	20.48
Kansas	12,711.5	100.0	2.6	8,557	.36	5.0	122.5	20.97
Louisiana	7,729.5	100.0	-	8,474	.46	6.0	175.8	29.80
Michigan	130.0	100.0	100.0	8,943	.31	4.7	131.2	23.47
Minnesota	5,654.6	100.0	-	8,769	.26	4.8	111.6	19.57
Missouri	4,579.5	95.2	22.5	8,767	.32	4.9	86.4	15.14
Nebraska	6,248.6	99.9	18.9	8,556	.35	5.1	93.1	15.93
Nevada	239.5	100.0	-	9,558	.48	9.6	183.5	35.08
Oklahoma	11,434.3	100.0	.9	8,599	.38	5.3	156.0	26.82
Oregon	376.7	100.0	-	8,484	.32	4.7	140.2	23.78
Texas	27,049.2	100.0	1.8	8,515	.36	5.2	190.2	32.39
Washington	75.0	100.0	100.0	8,342	.34	6.2	126.9	21.17
Wisconsin	9,517.4	100.0	20.7	8,464	.34	5.2	128.6	21.77
Wyoming	19,834.4	100.0	7.2	8,778	.52	7.6	87.0	15.27
District 20	**13,543.2**	**1.5**	**7.7**	**11,708**	**.51**	**9.7**	**132.1**	**30.94**
Utah	**13,543.2**	**1.5**	**7.7**	**11,708**	**.51**	**9.7**	**132.1**	**30.94**
Arizona	122.4	100.0	-	11,982	.75	8.6	161.9	38.80
Colorado	230.3	-	77.2	11,511	.50	9.3	106.5	24.51
Illinois	78.3	-	100.0	11,860	.56	7.5	157.1	37.26
Nevada	2,360.9	3.3	-	11,707	.47	8.6	196.5	46.02
Utah	10,751.3	-	7.3	11,708	.52	10.0	118.0	27.63
District 21	**18,917.3**	**100.0**	**-**	**6,581**	**.72**	**8.8**	**81.1**	**10.68**
North Dakota	**18,917.3**	**100.0**	**-**	**6,581**	**.72**	**8.8**	**81.1**	**10.68**
Minnesota	48.0	100.0	-	7,004	.99	7.8	176.1	24.66
North Dakota	18,128.3	100.0	-	6,601	.71	8.8	79.3	10.46
South Dakota	741.0	100.0	-	6,062	.87	8.2	123.4	14.95
District 22	**32,202.5**	**100.0**	**11.7**	**8,979**	**.52**	**6.8**	**151.9**	**27.28**

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

Table 47. Origin and Destination of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987 (Continued)

BOM District Origin State Destination State	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
District 22								
Montana	**32,202.5**	**100.0**	**11.7**	**8,979**	**0.52**	**6.8**	**151.9**	**27.28**
Illinois	2,075.5	100.0	-	9,513	.36	4.3	288.4	54.87
Indiana	985.0	100.0	-	9,506	.36	4.4	294.7	56.03
Michigan	10,705.8	100.0	34.4	9,483	.38	4.6	162.3	30.79
Minnesota	6,889.0	100.0	.7	8,647	.72	8.9	125.6	21.73
Montana	7,595.6	100.0	-	8,590	.62	8.8	64.8	11.12
Nebraska	.5	100.0	100.0	9,630	.25	3.7	175.3	33.76
Texas	2,311.3	100.0	-	8,451	.37	5.5	253.8	42.89
Wisconsin	1,639.8	100.0	2.7	8,640	.68	8.6	164.5	28.42
District 23	**4,404.0**	**100.0**	**-**	**8,100**	**.69**	**14.6**	**167.8**	**27.18**
Washington	**4,404.0**	**100.0**	**-**	**8,100**	**.69**	**14.6**	**167.8**	**27.18**
Washington	4,404.0	100.0	-	8,100	.69	14.6	167.8	27.18
Anthracite Coal	**758.0**	**97.8**	**78.1**	**7,981**	**.58**	**34.0**	**85.0**	**13.57**
Pennsylvania	**758.0**	**97.8**	**78.1**	**7,981**	**.58**	**34.0**	**85.0**	**13.57**
Pennsylvania	758.0	97.8	78.1	7,981	.58	34.0	85.0	13.57
Imported Coal	**765.5**	**88.1**	**33.9**	**12,127**	**.58**	**7.3**	**173.5**	**42.08**
South Africa	**79.3**	**-**	**-**	**11,650**	**.47**	**12.8**	**220.8**	**51.45**
Florida	79.3	-	-	11,650	.47	12.8	220.8	51.45
Australia	**83.2**	**100.0**	**100.0**	**12,485**	**.59**	**11.1**	**149.7**	**37.39**
Florida	26.1	100.0	100.0	12,345	.69	9.7	150.3	37.11
Texas	57.1	100.0	100.0	12,549	.54	11.8	149.5	37.52
Canada	**15.6**	**63.5**	**100.0**	**13,100**	**1.80**	**8.5**	**168.6**	**44.18**
New Hampshire	15.6	63.5	100.0	13,100	1.80	8.5	168.6	44.18
Colombia	**568.1**	**98.9**	**24.9**	**12,094**	**.55**	**5.9**	**171.7**	**41.53**
Florida	426.8	100.0	-	12,106	.55	5.9	172.9	41.87
Massachusetts	29.0	100.0	100.0	11,928	.72	7.1	132.5	31.61
Mississippi	65.9	100.0	100.0	12,206	.49	4.3	173.5	42.35
New Hampshire	9.2	33.3	100.0	11,825	.67	7.3	153.8	36.37
Texas	37.2	100.0	100.0	11,951	.53	6.5	188.8	45.13
Venezuela	**19.3**	**100.0**	**100.0**	**12,744**	**.68**	**7.9**	**150.0**	**38.23**
Florida	19.3	100.0	100.0	12,744	.68	7.9	150.0	38.23
Total	**721,298.0**	**68.4**	**15.4**	**10,569**	**1.38**	**10.0**	**150.6**	**31.83**

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 with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
New England	**5,774.4**	**14.1**	**23.2**	**13,185**	**1.29**	**7.8**	**178.1**	**46.95**
Connecticut	**770.0**	**-**	**-**	**13,134**	**.49**	**6.7**	**242.0**	**63.56**
District No 8 Kentucky	770.0	-	-	13,134	.49	6.7	242.0	63.56
Massachusetts	**3,888.9**	**19.2**	**33.6**	**13,128**	**1.18**	**8.1**	**161.4**	**42.37**
District No 1 Maryland	78.3	-	21.7	13,171	1.24	8.9	146.9	38.69
District No 1 Pennsylvania	431.5	89.2	100.0	13,219	1.38	7.6	172.3	45.54
District No 1 West Virginia	79.9	-	40.1	13,054	1.13	9.3	150.9	39.39
District No 2 Pennsylvania	204.1	-	19.6	13,305	1.30	6.0	158.8	42.25
District No 3 West Virginia	1,079.1	17.4	30.4	13,085	1.18	9.2	156.3	40.89
District No 7 Virginia	85.3	100.0	8.2	12,952	1.12	9.0	154.6	40.04
District No 7 West Virginia	195.9	21.5	100.0	12,887	.85	9.3	156.1	40.23
District No 8 Kentucky	21.0	85.7	100.0	12,838	.81	9.7	152.4	39.13
District No 8 Virginia	1,619.8	-	8.7	13,186	1.18	7.4	165.4	43.61
District No 8 West Virginia	65.0	-	100.0	12,889	.91	9.1	151.0	38.92
Imported Coal Columbia S.A.	29.0	100.0	100.0	11,928	.72	7.1	132.5	31.61
New Hampshire	**1,115.5**	**5.8**	**2.8**	**13,416**	**2.20**	**7.4**	**191.8**	**51.47**
District No 1 West Virginia	19.3	33.3	-	13,159	1.11	7.8	204.1	53.72
District No 3 West Virginia	928.9	-	-	13,474	2.41	7.3	191.8	51.68
District No 6 West Virginia	66.3	33.3	-	13,154	1.21	8.0	198.3	52.18
District No 8 Virginia	76.2	30.4	8.7	13,257	1.12	7.8	192.4	51.01
Imported Coal Canada	15.6	63.5	100.0	13,100	1.80	8.5	168.6	44.18
Imported Coal Columbia S.A.	9.2	33.3	100.0	11,825	.67	7.3	153.8	36.37
Mid Atlantic	**53,915.9**	**39.2**	**23.2**	**12,401**	**2.00**	**12.6**	**147.6**	**36.60**
New Jersey	**2,691.0**	**24.5**	**13.7**	**13,236**	**1.32**	**8.0**	**176.8**	**46.80**
District No 2 Pennsylvania	8.0	100.0	100.0	12,648	2.16	7.8	187.7	47.48
District No 3 West Virginia	1,796.7	30.9	13.7	13,130	1.48	8.8	170.7	44.82
District No 4 Ohio	8.0	100.0	100.0	12,997	2.14	6.6	182.1	47.34
District No 8 Virginia	655.0	3.6	6.6	13,591	1.01	6.0	194.6	52.90
District No 8 West Virginia	223.3	28.5	28.6	13,076	.88	8.1	171.5	44.84
New York	**8,130.6**	**47.3**	**40.4**	**12,787**	**1.84**	**9.7**	**154.3**	**39.46**
District No 1 Maryland	7.6	100.0	100.0	13,417	1.60	9.6	137.8	36.98
District No 1 Pennsylvania	2,884.0	97.6	76.1	12,264	1.69	13.0	147.1	36.09
District No 2 Pennsylvania	1,771.9	51.0	42.3	13,115	1.73	6.8	150.9	39.58
District No 3 West Virginia	2,735.9	.4	8.0	13,014	2.39	8.6	155.2	40.40
District No 4 Ohio	106.0	100.0	100.0	12,894	1.63	8.2	147.1	37.92
District No 8 Kentucky	369.1	-	1.9	13,299	.53	8.0	191.1	50.82
District No 8 West Virginia	256.0	-	-	13,190	.61	7.0	192.6	50.79
Pennsylvania	**43,033.2**	**38.7**	**20.5**	**12,276**	**2.07**	**13.5**	**144.3**	**35.43**
District No 1 Pennsylvania	27,050.7	44.3	18.4	12,334	1.78	14.3	145.5	35.89
District No 2 Pennsylvania	4,589.4	50.2	39.0	12,355	1.86	11.3	141.3	34.91
District No 3 West Virginia	5,835.7	11.4	12.4	12,671	2.31	10.4	142.8	36.19
District No 4 Ohio	3,525.5	26.0	19.7	12,089	3.87	11.6	148.5	35.92
District No 6 West Virginia	1,273.8	1.2	4.3	12,041	3.77	11.9	148.5	35.76
Anthracite Coal Pennsylvania	758.0	97.8	78.1	7,981	.58	34.0	85.0	13.57
West Virginia	**61.2**	**-**	**-**	**12,355**	**2.34**	**12.2**	**129.6**	**32.02**
District No 3 West Virginia	61.2	-	-	12,355	2.34	12.2	129.6	32.02
East North Central	**162,093.2**	**64.5**	**20.4**	**11,151**	**1.86**	**9.0**	**164.2**	**36.62**
Illinois	**28,509.3**	**59.6**	**9.5**	**10,698**	**1.93**	**8.6**	**200.0**	**42.80**
District No 7 West Virginia	67.0	9.2	100.0	12,809	.68	8.8	132.1	33.84
District No 8 Kentucky	1,635.7	42.1	55.5	12,972	.67	7.2	157.0	40.73
District No 8 West Virginia	271.0	-	25.8	13,438	.71	6.3	169.4	45.54
District No 9 Kentucky	1,080.4	100.0	22.2	11,489	1.99	8.2	168.0	38.60
District No 10 Illinois	15,823.9	36.6	4.7	10,931	2.92	9.9	156.7	34.26
District No 11 Indiana	1,326.4	90.4	46.5	11,125	1.33	8.7	156.2	34.76
District No 19 Wyoming	6,151.0	100.0	-	9,506	.44	7.0	335.3	63.75
District No 20 Utah	78.3	-	100.0	11,860	.56	7.5	157.1	37.26
District No 22 Montana	2,075.5	100.0	-	9,513	.36	4.3	288.4	54.87
Indiana	**38,681.6**	**71.9**	**16.7**	**10,878**	**2.39**	**9.1**	**146.7**	**31.93**
District No 3 West Virginia	23.2	69.4	100.0	12,764	2.76	9.6	130.1	33.20
District No 4 Ohio	73.3	100.0	100.0	11,303	3.40	10.4	103.0	23.29
District No 7 West Virginia	53.5	-	100.0	13,796	.68	6.4	174.3	48.09
District No 8 Kentucky	721.1	46.1	30.2	12,799	.73	6.9	208.4	53.34
District No 8 Virginia	369.1	22.1	100.0	13,917	.81	6.0	161.5	44.96
District No 8 West Virginia	96.2	-	100.0	13,366	.79	6.3	164.7	44.04
District No 9 Kentucky	3,296.3	69.5	43.5	11,789	3.37	10.8	111.3	26.23
District No 10 Illinois	11,124.5	24.7	12.3	10,885	2.66	10.2	166.2	36.18
District No 11 Indiana	18,229.5	98.5	14.9	11,098	2.67	9.4	128.7	28.56
District No 17 Colorado	323.6	-	-	11,187	.45	7.5	288.9	64.63
District No 19 Wyoming	3,386.2	98.8	3.3	8,275	.36	5.4	151.4	25.06
District No 22 Montana	985.0	100.0	-	9,506	.36	4.4	294.7	56.03
Michigan	**29,889.3**	**59.4**	**29.5**	**11,564**	**.76**	**7.0**	**175.3**	**40.55**
District No 1 Pennsylvania	211.0	100.0	28.9	12,681	2.67	8.4	172.9	43.86
District No 2 Pennsylvania	1,976.8	-	34.9	13,013	1.24	7.5	163.3	42.51
District No 3 West Virginia	56.0	-	100.0	12,822	1.21	8.7	122.4	31.39
District No 4 Ohio	944.7	20.5	5.6	11,360	2.26	10.9	183.6	41.70
District No 7 Virginia	651.0	-	-	13,419	1.19	7.0	163.7	43.94

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

Table 48. Destination and Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987 (Continued)

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
East North Central								
Michigan								
District No 7 West Virginia	15.3	-	100.0	13,200	0.86	8.0	161.0	42.50
District No 8 Kentucky	10,716.2	44.7	23.3	12,674	.81	8.5	188.8	47.85
District No 8 West Virginia	4,289.9	35.8	35.9	13,107	.79	7.7	174.4	45.73
District No 10 Illinois	10.0	-	100.0	11,657	1.43	8.3	136.4	31.80
District No 11 Indiana	182.7	100.0	45.3	10,965	2.57	10.5	156.9	34.41
District No 19 Wyoming	130.0	100.0	100.0	8,943	.31	4.7	131.2	23.47
District No 22 Montana	10,705.8	100.0	34.4	9,483	.38	4.6	162.3	30.79
Ohio	**48,384.5**	**58.0**	**26.2**	**11,904**	**2.44**	**11.4**	**156.0**	**37.15**
District No 1 Pennsylvania	67.0	100.0	100.0	12,255	2.41	11.4	131.2	32.15
District No 2 Pennsylvania	3,360.0	68.4	33.0	12,465	2.06	10.8	137.2	34.21
District No 3 West Virginia	222.4	57.7	100.0	12,667	2.44	9.6	126.4	32.01
District No 4 Ohio	24,880.9	60.8	22.1	11,745	3.25	11.1	154.7	36.34
District No 6 West Virginia	3,343.6	1.6	-	12,260	3.53	9.7	162.3	39.79
District No 7 West Virginia	71.8	90.3	2.8	12,480	.64	9.1	144.2	35.98
District No 8 Kentucky	8,812.8	72.7	34.2	11,792	1.19	12.6	164.7	38.84
District No 8 Virginia	31.0	-	100.0	13,115	1.22	6.9	153.4	40.24
District No 8 West Virginia	7,238.2	49.9	35.4	12,158	.88	12.1	159.2	38.71
District No 9 Kentucky	297.9	85.6	37.3	11,298	2.57	9.3	127.7	28.85
District No 11 Indiana	59.0	100.0	100.0	10,907	2.84	9.5	91.5	19.97
Wisconsin	**16,628.6**	**84.2**	**14.6**	**9,630**	**.85**	**6.5**	**147.2**	**28.35**
District No 1 Pennsylvania	20.0	100.0	100.0	12,750	2.60	8.9	142.4	36.31
District No 2 Pennsylvania	1,585.9	15.1	2.1	13,093	1.58	7.2	156.7	41.04
District No 3 West Virginia	9.5	66.7	100.0	13,100	.70	8.2	165.0	43.23
District No 7 Virginia	17.8	-	100.0	14,146	.74	5.5	167.1	47.27
District No 8 Kentucky	115.1	59.9	100.0	13,230	.83	6.3	162.9	43.11
District No 9 Kentucky	110.9	100.0	-	11,971	1.58	7.3	150.2	35.95
District No 10 Illinois	1,425.5	20.2	8.7	11,631	1.81	7.8	175.5	40.83
District No 11 Indiana	2,166.3	97.1	3.1	11,225	2.01	8.9	169.3	38.02
District No 17 Colorado	10.2	-	100.0	13,206	.38	8.9	175.1	46.25
District No 17 New Mexico	10.1	-	100.0	12,788	.33	8.7	196.3	50.21
District No 19 Wyoming	9,517.4	100.0	20.7	8,464	.34	5.2	128.6	21.77
District No 22 Montana	1,639.8	100.0	2.7	8,640	.68	8.6	164.5	28.42
West North Central	**89,341.8**	**93.3**	**6.3**	**8,810**	**1.14**	**7.8**	**120.5**	**21.23**
Iowa	**13,785.7**	**92.4**	**9.3**	**9,152**	**.86**	**6.2**	**124.6**	**22.81**
District No 8 Kentucky	.1	100.0	100.0	13,260	.73	8.3	229.1	60.76
District No 9 Kentucky	161.1	94.0	100.0	11,437	2.93	11.1	100.6	23.01
District No 10 Illinois	1,975.2	50.8	19.0	11,399	2.68	8.2	153.8	35.06
District No 11 Indiana	404.0	100.0	19.6	10,906	2.38	9.7	104.6	22.82
District No 12 Iowa	130.0	72.3	16.9	10,484	2.17	7.9	135.3	28.38
District No 15 Missouri	133.0	100.0	-	10,614	2.26	8.6	130.1	27.62
District No 19 Wyoming	10,982.4	99.7	5.8	8,616	.41	5.6	118.8	20.48
Kansas	**15,033.2**	**97.2**	**4.2**	**8,764**	**.96**	**7.5**	**126.7**	**22.22**
District No 10 Illinois	480.5	12.1	16.7	11,203	2.54	12.3	204.7	45.87
District No 15 Kansas	1,538.9	100.0	9.4	9,532	4.85	24.0	127.0	24.21
District No 15 Missouri	235.2	100.0	-	9,162	4.84	25.8	125.8	23.05
District No 15 Oklahoma	67.1	100.0	100.0	11,648	.48	11.5	176.0	41.00
District No 19 Wyoming	12,711.5	100.0	2.6	8,557	.36	5.0	122.5	20.97
Minnesota	**12,793.4**	**99.0**	**1.0**	**8,742**	**.53**	**7.1**	**120.6**	**21.09**
District No 10 Illinois	122.1	-	-	12,257	1.72	7.1	192.6	47.21
District No 11 Indiana	79.7	100.0	100.0	10,620	1.69	10.1	144.6	30.72
District No 19 Wyoming	5,654.6	100.0	-	8,769	.26	4.8	111.6	19.57
District No 21 North Dakota	48.0	100.0	-	7,004	.99	7.8	176.1	24.66
District No 22 Montana	6,889.0	100.0	.7	8,647	.72	8.9	125.6	21.73
Missouri	**22,533.1**	**80.8**	**10.7**	**10,598**	**2.36**	**9.4**	**141.3**	**29.96**
District No 10 Illinois	12,976.2	68.4	5.2	11,133	2.30	9.8	158.6	35.30
District No 11 Indiana	19.0	84.2	84.2	11,000	1.20	11.0	115.2	25.34
District No 15 Kansas	332.4	100.0	72.2	12,000	3.54	13.1	141.9	34.06
District No 15 Missouri	3,832.8	100.0	7.3	10,489	4.56	12.7	139.2	29.20
District No 15 Oklahoma	793.3	100.0	20.3	12,336	4.05	11.2	121.9	30.06
District No 19 Wyoming	4,579.5	95.2	22.5	8,767	.32	4.9	86.4	15.14
Nebraska	**6,327.0**	**98.7**	**18.7**	**8,601**	**.35**	**5.1**	**94.5**	**16.26**
District No 17 Colorado	77.9	-	-	12,219	.58	7.6	173.9	42.50
District No 19 Wyoming	6,248.6	99.9	18.9	8,556	.35	5.1	93.1	15.93
District No 22 Montana	.5	100.0	100.0	9,630	.25	3.7	175.3	33.76
North Dakota	**18,128.3**	**100.0**	**-**	**6,601**	**.71**	**8.8**	**79.3**	**10.46**
District No 21 North Dakota	18,128.3	100.0	-	6,601	.71	8.8	79.3	10.46
South Dakota	**741.0**	**100.0**	**-**	**6,062**	**.87**	**8.2**	**123.4**	**14.95**
District No 21 North Dakota	741.0	100.0	-	6,062	.87	8.2	123.4	14.95
South Atlantic	**129,859.3**	**43.6**	**23.1**	**12,461**	**1.53**	**10.1**	**166.6**	**41.51**
Delaware	**2,422.4**	**21.7**	**14.6**	**13,065**	**1.01**	**8.7**	**181.1**	**47.33**
District No 1 Pennsylvania	531.2	95.9	6.6	12,588	1.61	11.0	177.2	44.61
District No 3 West Virginia	1,521.0	1.1	16.9	13,295	.90	8.1	177.1	47.09
District No 8 Kentucky	57.2	-	-	13,144	.54	8.1	206.5	54.28
District No 8 West Virginia	312.9	-	19.4	12,749	.66	8.3	203.4	51.87

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 48. Destination and Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987 (Continued)

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
South Atlantic								
Florida	**22,553.0**	**38.7**	**30.2**	**12,399**	**1.85**	**8.7**	**181.5**	**45.01**
District No 3 West Virginia	232.8	16.1	47.1	13,069	2.62	8.5	152.3	39.80
District No 8 Kentucky	8,478.7	63.1	20.2	12,818	1.02	7.9	185.7	47.61
District No 8 Virginia	1,172.8	-	32.2	12,790	.74	8.6	209.6	53.62
District No 8 West Virginia	1,224.4	49.5	26.4	12,471	.79	11.1	172.7	43.08
District No 9 Kentucky	6,055.4	21.1	52.3	12,202	2.94	9.4	162.6	39.68
District No 10 Illinois	3,917.7	6.5	4.0	11,773	2.78	8.9	203.8	47.98
District No 11 Indiana	258.8	95.5	100.0	11,071	2.89	9.4	119.0	26.35
District No 13 Alabama	244.1	23.3	100.0	12,088	2.36	11.5	130.8	31.62
District No 15 Oklahoma	416.7	100.0	100.0	12,397	.76	8.2	194.2	48.15
Imported Coal South Africa	79.3	-	-	11,650	.47	12.8	220.8	51.45
Imported Coal Australia	26.1	100.0	100.0	12,345	.69	9.7	150.3	37.11
Imported Coal Columbia S.A.	426.8	100.0	-	12,106	.55	5.9	172.9	41.87
Imported Coal Venezuela S.A.	19.3	100.0	100.0	12,744	.68	7.9	150.0	38.23
Georgia	**26,351.3**	**61.3**	**19.8**	**12,175**	**1.73**	**9.9**	**178.9**	**43.56**
District No 8 Kentucky	11,860.9	80.8	26.6	12,339	1.49	10.4	167.5	41.35
District No 8 Tennessee	1,546.0	34.3	24.4	12,532	1.25	10.2	181.8	45.57
District No 8 Virginia	3,588.5	34.9	39.2	12,933	1.22	9.8	174.4	45.10
District No 8 West Virginia	1,230.3	-	7.9	12,243	.74	10.7	273.9	67.07
District No 9 Kentucky	1,509.5	90.0	12.1	11,748	2.87	10.4	156.9	36.88
District No 10 Illinois	5,725.6	44.4	-	11,456	2.48	8.9	191.2	43.80
District No 11 Indiana	684.6	100.0	-	11,496	2.30	7.1	165.2	37.98
District No 13 Alabama	205.9	100.0	-	11,776	2.26	14.7	211.4	49.79
Maryland	**8,186.7**	**70.4**	**17.6**	**12,676**	**1.47**	**11.0**	**157.7**	**39.97**
District No 1 Maryland	1,471.9	56.9	15.1	12,666	1.57	11.9	155.2	39.32
District No 1 Pennsylvania	2,810.6	100.0	3.9	12,487	1.76	12.5	164.7	41.14
District No 2 Pennsylvania	28.0	-	100.0	13,146	1.74	9.1	164.3	43.20
District No 3 West Virginia	2,952.2	40.4	36.3	12,867	1.38	9.4	150.3	38.67
District No 4 Ohio	7.0	66.7	100.0	12,738	1.77	7.4	161.3	41.09
District No 8 Kentucky	316.0	100.0	-	13,047	.73	8.5	167.3	43.66
District No 8 West Virginia	601.0	100.0	-	12,419	.71	11.2	162.6	40.39
North Carolina	**17,829.3**	**39.7**	**12.1**	**12,550**	**.92**	**9.7**	**179.0**	**44.92**
District No 7 West Virginia	24.6	60.4	100.0	12,524	.70	10.5	139.1	34.85
District No 8 Kentucky	8,411.5	41.5	17.0	12,510	.97	8.8	179.9	45.02
District No 8 Tennessee	268.8	6.2	13.8	12,993	1.31	7.7	178.0	46.26
District No 8 Virginia	4,160.5	58.7	6.7	12,764	.99	10.3	170.3	43.47
District No 8 West Virginia	4,963.9	22.4	7.9	12,413	.77	10.8	185.0	45.94
South Carolina	**9,353.5**	**46.5**	**30.1**	**12,649**	**1.22**	**9.5**	**174.0**	**44.01**
District No 8 Kentucky	8,400.8	47.4	30.1	12,602	1.19	9.5	175.8	44.32
District No 8 Tennessee	44.4	10.6	100.0	12,784	1.59	9.1	146.2	37.38
District No 8 Virginia	863.1	37.7	22.5	13,104	1.52	9.2	159.4	41.78
District No 8 West Virginia	45.2	80.2	95.1	12,465	1.05	12.0	146.2	36.45
Virginia	**8,907.0**	**35.5**	**45.1**	**12,814**	**.91**	**9.3**	**158.1**	**40.52**
District No 1 Maryland	7.0	100.0	100.0	12,187	1.53	9.9	150.0	36.56
District No 7 Virginia	445.0	29.8	-	12,247	.88	13.1	183.9	45.05
District No 7 West Virginia	69.0	79.7	100.0	12,977	1.02	9.2	152.3	39.52
District No 8 Kentucky	2,649.2	20.1	67.6	12,864	1.04	8.2	157.0	40.39
District No 8 Virginia	3,560.7	26.7	28.8	12,872	.90	9.6	158.5	40.82
District No 8 West Virginia	2,176.1	68.4	51.6	12,773	.77	9.5	153.9	39.31
West Virginia	**34,256.1**	**31.8**	**21.1**	**12,437**	**1.78**	**11.6**	**142.3**	**35.39**
District No 1 Maryland	1,259.6	51.1	63.6	12,131	1.71	14.9	108.2	26.25
District No 1 Pennsylvania	9.0	22.2	100.0	11,328	1.93	17.3	100.3	22.73
District No 1 West Virginia	3,124.0	26.3	7.3	12,478	1.76	13.0	138.4	34.53
District No 2 Pennsylvania	222.7	24.1	87.9	12,536	1.92	10.4	103.7	26.00
District No 3 West Virginia	13,865.2	24.1	17.7	12,522	2.33	11.6	135.6	33.97
District No 4 Ohio	100.9	100.0	100.0	11,753	1.79	9.4	100.9	23.73
District No 6 West Virginia	2,139.7	2.5	3.3	11,923	4.29	13.6	121.3	28.93
District No 7 Virginia	23.7	-	100.0	13,623	.77	7.6	137.3	37.41
District No 8 Kentucky	1,051.9	82.8	34.2	12,259	1.04	10.2	158.1	38.76
District No 8 Virginia	11.0	90.9	100.0	11,607	1.65	17.2	93.2	21.62
District No 8 West Virginia	12,448.4	40.0	23.7	12,468	.81	10.6	157.2	39.21
East South Central	**78,047.1**	**54.0**	**30.5**	**11,886**	**2.09**	**11.2**	**151.2**	**35.95**
Alabama	**20,739.3**	**55.4**	**20.2**	**12,223**	**1.52**	**11.7**	**192.4**	**47.04**
District No 4 Ohio	2,602.6	100.0	16.5	11,614	2.30	12.2	204.8	47.57
District No 8 Kentucky	423.3	82.5	80.2	11,961	1.12	11.1	163.8	39.18
District No 8 Tennessee	13.3	50.0	100.0	12,613	1.00	7.3	125.5	31.66
District No 9 Kentucky	1,983.5	38.9	67.4	12,016	3.04	11.6	119.2	28.64
District No 10 Illinois	151.6	34.3	100.0	11,729	1.92	7.9	103.9	24.37
District No 13 Alabama	14,691.7	52.3	10.3	12,353	1.23	11.7	205.4	50.74
District No 13 Tennessee	873.3	3.0	46.5	12,519	.75	12.1	131.9	33.04
Kentucky	**31,771.0**	**56.5**	**33.3**	**11,496**	**2.59**	**12.3**	**125.8**	**28.94**
District No 2 Pennsylvania	26.6	100.0	-	11,247	2.68	17.0	156.8	35.28
District No 4 Ohio	763.4	98.2	24.5	11,186	2.36	13.5	130.0	29.09
District No 6 West Virginia	33.0	100.0	-	10,925	2.66	17.5	180.4	39.41
District No 8 Kentucky	8,921.2	69.0	57.0	12,216	1.17	10.9	137.5	33.60

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 48. Destination and Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987 (Continued)

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
East South Central								
Kentucky								
District No 8 Tennessee	175.5	29.6	100.0	12,440	2.22	11.9	101.0	25.12
District No 8 West Virginia	2,248.3	45.9	65.5	12,432	.73	10.4	137.0	34.07
District No 9 Kentucky	16,837.6	42.3	18.0	11,042	3.62	13.8	118.1	26.08
District No 10 Illinois	7.2	100.0	100.0	10,479	2.31	12.4	94.2	19.74
District No 11 Indiana	2,758.1	100.0	22.2	11,214	2.43	8.5	121.0	27.14
Mississippi	**4,429.8**	**34.4**	**75.3**	**12,674**	**1.36**	**7.7**	**195.5**	**49.56**
District No 4 Ohio	48.0	100.0	100.0	12,340	2.27	9.6	166.1	41.00
District No 8 Kentucky	1,995.6	4.4	96.7	12,791	.86	7.8	208.0	53.20
District No 8 Virginia	164.8	21.4	100.0	13,377	.73	7.1	189.3	50.66
District No 8 West Virginia	827.1	1.2	85.6	12,954	.92	7.6	208.8	54.09
District No 9 Kentucky	597.3	100.0	40.3	12,289	2.50	7.2	170.1	41.80
District No 10 Illinois	693.7	92.7	20.4	12,238	2.42	8.4	171.6	42.00
District No 13 Alabama	37.4	100.0	100.0	12,604	2.35	11.3	152.6	38.48
Imported Coal Columbia S.A.	65.9	100.0	100.0	12,206	.49	4.3	173.5	42.35
Tennessee	**21,107.0**	**53.0**	**27.0**	**11,978**	**2.05**	**9.6**	**136.7**	**32.74**
District No 3 West Virginia	320.0	-	15.1	12,442	2.73	11.9	137.2	34.14
District No 7 West Virginia	15.7	-	-	12,651	.70	8.6	137.9	34.89
District No 8 Kentucky	5,892.9	66.0	21.7	11,792	1.29	12.2	147.4	34.77
District No 8 Tennessee	1,968.9	21.6	52.6	12,501	1.44	10.3	117.6	29.41
District No 8 Virginia	1,447.3	1.6	20.8	12,946	1.20	9.0	125.8	32.58
District No 9 Kentucky	10,409.4	61.8	20.2	11,850	2.72	8.3	138.1	32.74
District No 10 Illinois	1,047.6	39.7	87.7	11,830	1.89	7.8	115.5	27.33
District No 13 Tennessee	5.1	-	100.0	12,944	1.20	12.2	112.9	29.24
West South Central	**111,028.9**	**99.1**	**1.6**	**7,657**	**.60**	**10.2**	**156.2**	**23.92**
Arkansas	**11,709.3**	**100.0**	**1.6**	**8,682**	**.32**	**5.5**	**155.2**	**26.94**
District No 19 Wyoming	11,709.3	100.0	1.6	8,682	.32	5.5	155.2	26.94
Louisiana	**10,627.3**	**94.6**	**-**	**8,160**	**.49**	**7.6**	**164.4**	**26.84**
District No 8 West Virginia	208.9	-	-	13,061	.65	7.8	181.4	47.38
District No 15 Louisiana	2,689.0	86.6	-	6,878	.55	12.2	121.6	16.72
District No 19 Wyoming	7,729.5	100.0	-	8,474	.46	6.0	175.8	29.80
Oklahoma	**12,124.0**	**100.0**	**4.2**	**8,851**	**.44**	**5.5**	**155.7**	**27.56**
District No 14 Oklahoma	288.3	100.0	98.1	13,367	1.37	8.2	152.2	40.70
District No 15 Oklahoma	401.3	100.0	32.6	12,792	1.36	7.4	152.6	39.04
District No 19 Wyoming	11,434.3	100.0	.9	8,599	.38	5.3	156.0	26.82
Texas	**76,568.2**	**99.4**	**1.4**	**7,242**	**.68**	**12.0**	**155.2**	**22.48**
District No 15 Texas	45,206.4	100.0	.3	6,260	.91	16.6	116.2	14.54
District No 17 Colorado	1,864.1	74.7	19.2	10,726	.36	5.4	208.2	44.67
District No 17 New Mexico	43.0	100.0	-	11,919	.55	15.9	141.5	33.74
District No 19 Wyoming	27,049.2	100.0	1.8	8,515	.36	5.2	190.2	32.39
District No 22 Montana	2,311.3	100.0	-	8,451	.37	5.5	253.8	42.89
Imported Coal Australia	57.1	100.0	100.0	12,549	.54	11.8	149.5	37.52
Imported Coal Columbia S.A.	37.2	100.0	100.0	11,951	.53	6.5	188.8	45.13
Mountain	**86,381.7**	**81.0**	**3.4**	**9,820**	**.54**	**10.9**	**112.1**	**22.01**
Arizona	**12,714.2**	**100.0**	**.8**	**10,608**	**.51**	**11.3**	**129.9**	**27.56**
District No 17 Colorado	173.3	100.0	-	12,045	.42	14.7	144.0	34.70
District No 17 New Mexico	613.4	100.0	-	11,984	.46	14.2	224.5	53.80
District No 18 Arizona	7,043.5	100.0	-	11,012	.49	8.9	89.9	19.80
District No 18 New Mexico	4,752.0	100.0	2.1	9,748	.56	14.5	180.1	35.12
District No 19 Wyoming	9.6	100.0	-	8,964	.84	4.8	162.0	29.04
District No 20 Utah	122.4	100.0	-	11,982	.75	8.6	161.9	38.80
Colorado	**13,366.9**	**82.5**	**4.4**	**9,842**	**.37**	**6.9**	**111.8**	**22.01**
District No 16 Colorado	33.2	100.0	100.0	10,376	.30	6.6	118.5	24.60
District No 17 Colorado	8,458.3	75.1	4.1	10,515	.40	8.1	114.3	24.04
District No 19 Wyoming	4,645.1	100.0	.7	8,530	.31	4.7	106.5	18.17
District No 20 Utah	230.3	-	77.2	11,511	.50	9.3	106.5	24.51
Montana	**7,595.6**	**100.0**	**-**	**8,590**	**.62**	**8.8**	**64.8**	**11.12**
District No 22 Montana	7,595.6	100.0	-	8,590	.62	8.8	64.8	11.12
Nevada	**6,893.2**	**66.9**	**-**	**11,182**	**.51**	**9.5**	**139.9**	**31.28**
District No 18 Arizona	4,292.9	100.0	-	10,984	.53	10.0	104.5	22.96
District No 19 Wyoming	239.5	100.0	-	9,558	.48	9.6	183.5	35.08
District No 20 Utah	2,360.9	3.3	-	11,707	.47	8.6	196.5	46.02
New Mexico	**14,176.1**	**100.0**	**-**	**9,049**	**.78**	**21.6**	**120.8**	**21.87**
District No 18 New Mexico	14,176.1	100.0	-	9,049	.78	21.6	120.8	21.87
Utah	**11,801.3**	**-**	**6.6**	**11,618**	**.51**	**9.9**	**125.2**	**29.09**
District No 17 Colorado	1,050.0	-	-	10,698	.42	8.8	206.0	44.08
District No 20 Utah	10,751.3	-	7.3	11,708	.52	10.0	118.0	27.63
Wyoming	**19,834.4**	**100.0**	**7.2**	**8,778**	**.52**	**7.6**	**87.0**	**15.27**
District No 19 Wyoming	19,834.4	100.0	7.2	8,778	.52	7.6	87.0	15.27
Pacific	**4,855.7**	**100.0**	**1.5**	**8,134**	**.66**	**13.7**	**164.9**	**26.82**
Oregon	**376.7**	**100.0**	**-**	**8,484**	**.32**	**4.7**	**140.2**	**23.78**
District No 19 Wyoming	376.7	100.0	-	8,484	.32	4.7	140.2	23.78

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 48. Destination and Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1987 (Continued)

Census Division State of Destination BOM District and State of Origin	Receipts (1,000 short tons)	Percent of Receipts		Average Quality			Average Delivered Cost	
		Surface	Spot	Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million btu)	(dollars per short ton)
Pacific								
Washington	**4,479.0**	**100.0**	**1.7**	**8,104**	**0.69**	**14.4**	**167.1**	**27.08**
District No 19 Wyoming	75.0	100.0	100.0	8,342	.34	6.2	126.9	21.17
District No 23 Washington	4,404.0	100.0	-	8,100	.69	14.6	167.8	27.18
Total	**721,298.0**	**68.4**	**15.4**	**10,569**	**1.38**	**10.0**	**150.6**	**31.83**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Alabama Electric Coop Inc Tombigbee	**1,151.0**	**11,990**	**1.37**	**12.02**	**157.0**	**37.65**
Alabama	999.7	12,027	1.36	12.24	154.6	37.19
Fayette	251.1	12,229	1.91	11.36	137.3	33.57
Jefferson	188.4	12,320	1.29	10.66	144.6	35.62
Marion	445.8	11,728	1.05	13.43	175.2	41.10
Tuscaloosa	114.2	12,260	1.41	12.18	132.4	32.47
Winston	.2	12,345	1.11	7.90	110.7	27.33
Kentucky	151.4	11,747	1.43	10.58	173.2	40.69
Whitley	151.4	11,747	1.43	10.58	173.2	40.69
Alabama Power Co Barry	**612.8**	**12,444**	**1.09**	**11.39**	**205.5**	**51.13**
Alabama	533.8	12,509	1.09	11.43	211.5	52.92
Jefferson	68.3	12,125	.97	12.41	186.7	45.28
Tuscaloosa	462.7	12,569	1.11	11.27	215.6	54.20
Walker	2.8	12,015	.76	13.60	117.0	28.12
Kentucky	79.1	12,007	1.09	11.10	162.8	39.09
Pike	79.1	12,007	1.09	11.10	162.8	39.09
Alabama Power Co Gadsden	**203.1**	**12,631**	**1.72**	**11.75**	**192.0**	**48.50**
Alabama	184.4	12,689	1.78	11.73	197.4	50.09
Blount	17.0	12,897	1.09	11.68	129.5	33.40
Jefferson	163.0	12,673	1.87	11.76	206.4	52.31
St Clair	4.4	12,483	1.18	10.83	129.0	32.20
Kentucky	18.6	12,053	1.12	11.95	135.9	32.76
Perry	18.6	12,053	1.12	11.95	135.9	32.76
Alabama Power Co Gaston	**3,565.3**	**12,366**	**2.03**	**11.96**	**196.9**	**48.69**
Alabama	3,565.3	12,366	2.03	11.96	196.9	48.69
Fayette	1,210.0	12,195	2.11	11.96	216.9	52.91
Jefferson	1,435.0	12,524	2.03	11.79	190.9	47.83
Tuscaloosa	95.1	12,210	2.15	12.03	113.6	27.75
Walker	825.2	12,361	1.90	12.26	187.8	46.42
Alabama Power Co Gorgas 2 and 3	**5,525.8**	**12,140**	**1.02**	**12.42**	**189.5**	**46.00**
Alabama	5,525.8	12,140	1.02	12.42	189.5	46.00
Jefferson	1,628.7	12,481	1.27	11.06	219.7	54.84
Marion	15.4	12,182	1.50	11.85	111.2	27.08
Tuscaloosa	27.2	12,463	1.94	11.54	101.3	25.25
Walker	3,843.9	11,994	.90	13.01	177.3	42.53
Winston	10.6	12,144	1.39	11.79	114.8	27.88
Alabama Power Co Greene	**986.3**	**12,709**	**1.43**	**10.61**	**199.1**	**50.61**
Alabama	954.3	12,723	1.43	10.53	201.6	51.29
Tuscaloosa	954.3	12,723	1.43	10.53	201.6	51.29
Tennessee	32.0	12,285	1.48	13.14	124.0	30.47
Marion	32.0	12,285	1.48	13.14	124.0	30.47
Alabama Power Co James Miller	**2,902.6**	**12,685**	**.56**	**10.42**	**262.7**	**66.64**
Alabama	2,902.6	12,685	.56	10.42	262.7	66.64
Jefferson	2,147.0	12,705	.53	10.81	247.4	62.87
Walker	755.5	12,628	.63	9.32	306.3	77.36
Alamito Co Springerville	**908.7**	**9,617**	**.77**	**13.89**	**179.5**	**34.52**
New Mexico	908.7	9,617	.77	13.89	179.5	34.52
Mckinley	908.7	9,617	.77	13.89	179.5	34.52
Ames City of Ames	**140.3**	**8,511**	**.27**	**5.11**	**141.5**	**24.08**
Wyoming	140.3	8,511	.27	5.11	141.5	24.08
Campbell	140.3	8,511	.27	5.11	141.5	24.08
Appalachian Power Co Amos	**6,368.9**	**12,464**	**.77**	**10.58**	**161.1**	**40.17**
West Virginia	6,368.9	12,464	.77	10.58	161.1	40.17
Boone	4,928.1	12,462	.78	10.57	159.1	39.66
Kanawha	181.8	12,972	.71	8.71	170.6	44.26
Logan	1,259.0	12,400	.71	10.90	167.6	41.58
Appalachian Power Co Clinch River	**1,263.0**	**12,814**	**.77**	**11.57**	**161.0**	**41.26**
Virginia	1,263.0	12,814	.77	11.57	161.0	41.26
Buchanan	75.3	12,265	.94	13.43	174.4	42.79
Russell	1,187.7	12,849	.76	11.46	160.2	41.16
Appalachian Power Co Glen Lyn	**369.7**	**12,243**	**.87**	**13.05**	**185.8**	**45.51**
Virginia	369.7	12,243	.87	13.05	185.8	45.51
Buchanan	369.7	12,243	.87	13.05	185.8	45.51
Appalachian Power Co Kanawha River	**671.7**	**11,826**	**.76**	**13.98**	**133.6**	**31.60**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Appalachian Power Co Kanawha River						
West Virginia	671.7	11,826	0.76	13.98	133.6	31.60
Clay	50.1	12,322	.85	11.24	108.3	26.69
Kanawha	571.5	11,739	.74	14.46	138.3	32.47
Nicholas	50.1	12,322	.85	11.24	108.3	26.69
Appalachian Power Co Mountaineer	**3,341.3**	**12,668**	**.66**	**9.80**	**166.8**	**42.26**
West Virginia	3,341.3	12,668	.66	9.80	166.8	42.26
Boone	1,500.9	12,702	.67	9.73	165.4	42.02
Clay	5.8	12,376	.72	10.50	120.9	29.93
Fayette	54.0	12,205	.66	11.63	116.1	28.33
Kanawha	181.5	12,774	.69	9.30	147.5	37.69
Logan	1,585.1	12,642	.65	9.85	172.6	43.64
Nicholas	14.0	12,461	.70	10.97	119.1	29.68
Arizona Electric Pwr Coop Inc Apache	**222.8**	**11,205**	**.50**	**14.31**	**220.2**	**49.35**
New Mexico	222.8	11,205	.50	14.31	220.2	49.35
Colfax	140.6	11,969	.41	13.33	196.7	47.08
Mckinley	82.2	9,898	.64	15.98	268.9	53.22
Arizona Public Service Co Cholla	**2,648.8**	**10,030**	**.52**	**14.20**	**152.3**	**30.54**
Colorado	173.3	12,045	.42	14.70	144.0	34.70
Gunnison	19.4	11,774	.74	5.81	155.5	36.62
La Plata	11.8	12,701	.87	8.18	150.2	38.15
Las Animas	142.1	12,028	.34	16.45	142.0	34.15
New Mexico	2,343.5	9,784	.51	14.49	152.3	29.81
Mckinley	2,343.5	9,784	.51	14.49	152.3	29.81
Utah	122.4	11,982	.75	8.59	161.9	38.80
Carbon	122.4	11,982	.75	8.59	161.9	38.80
Wyoming	9.6	8,964	.84	4.84	162.0	29.04
Campbell	9.6	8,964	.84	4.84	162.0	29.04
Arizona Public Service Co Four Corners	**8,527.3**	**8,786**	**.77**	**21.94**	**94.8**	**16.66**
New Mexico	8,527.3	8,786	.77	21.94	94.8	16.66
San Juan	8,527.3	8,786	.77	21.94	94.8	16.66
Arkansas Power & Light Co Independence	**5,199.9**	**8,844**	**.20**	**4.87**	**147.2**	**26.04**
Wyoming	5,199.9	8,844	.20	4.87	147.2	26.04
Campbell	5,199.9	8,844	.20	4.87	147.2	26.04
Arkansas Power & Light Co Whitebluff	**4,845.4**	**8,601**	**.45**	**6.38**	**167.7**	**28.85**
Wyoming	4,845.4	8,601	.45	6.38	167.7	28.85
Campbell	4,845.4	8,601	.45	6.38	167.7	28.85
Associated Electric Coop Inc Hill	**3,056.7**	**10,514**	**4.35**	**10.28**	**143.0**	**30.06**
Missouri	3,056.7	10,514	4.35	10.28	143.0	30.06
Randolph	3,056.7	10,514	4.35	10.28	143.0	30.06
Associated Electric Coop Inc Madrid	**2,053.9**	**10,887**	**3.39**	**10.61**	**136.9**	**29.80**
Illinois	2,053.9	10,887	3.39	10.61	136.9	29.80
Gallatin	1.3	12,159	2.86	8.70	131.2	31.91
Randolph	1,884.0	10,771	3.37	10.60	136.8	29.47
Saline	168.6	12,172	3.59	10.82	137.6	33.49
Atlantic City Electric Co England	**616.0**	**13,045**	**2.67**	**9.79**	**168.3**	**43.90**
Ohio	8.0	12,997	2.14	6.60	182.1	47.34
Columbiana	8.0	12,997	2.14	6.60	182.1	47.34
Pennsylvania	8.0	12,648	2.16	7.80	187.7	47.48
Butler	8.0	12,648	2.16	7.80	187.7	47.48
West Virginia	600.0	13,050	2.69	9.86	167.8	43.81
Barbour	224.5	13,070	2.67	9.87	168.0	43.93
Gilmer	38.5	12,984	2.79	10.27	169.9	44.13
Harrison	58.5	13,067	2.77	9.81	166.5	43.51
Marion	83.5	13,039	2.59	10.05	164.2	42.83
Monongalia	23.0	13,241	2.27	7.64	177.6	47.04
Unknown	172.0	13,015	2.75	9.98	168.0	43.72
Baltimore Gas & Electric Co Crane	**654.0**	**13,308**	**2.13**	**7.17**	**157.5**	**41.92**
Ohio	7.0	12,738	1.77	7.40	161.3	41.09
Columbiana	7.0	12,738	1.77	7.40	161.3	41.09
Pennsylvania	35.0	13,093	1.77	8.82	161.5	42.30
Clarion	7.0	12,879	1.86	7.70	150.2	38.69
Greene	28.0	13,146	1.74	9.10	164.3	43.20
West Virginia	612.0	13,327	2.16	7.07	157.2	41.90
Barbour	160.0	13,281	2.07	6.76	162.0	43.03
Monongalia	452.0	13,343	2.19	7.18	155.5	41.51
Baltimore Gas & Electric Co Brandon Shores	**1,355.0**	**12,637**	**.73**	**10.46**	**165.0**	**41.71**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company · Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Baltimore Gas & Electric Co Brandon Shores						
Kentucky	316.0	13,047	0.73	8.47	167.3	43.66
Letcher	316.0	13,047	.73	8.47	167.3	43.66
West Virginia	1,039.0	12,512	.73	11.06	164.3	41.11
Boone	312.0	12,668	.72	10.34	165.2	41.86
Logan	289.0	12,151	.70	12.12	159.6	38.80
Nicholas	50.0	12,992	.78	8.34	157.6	40.94
Randolph	7.0	13,050	.67	9.30	142.0	37.06
Webster	381.0	12,586	.75	11.24	168.2	42.35
Baltimore Gas & Electric Co Wagner	**620.0**	**13,030**	**.86**	**8.39**	**159.2**	**41.49**
West Virginia	620.0	13,030	.86	8.39	159.2	41.49
Nicholas	592.0	13,035	.86	8.36	159.7	41.64
Randolph	28.0	12,939	.79	8.98	148.0	38.29
Basin Electric Power Coop Laramie River	**6,277.4**	**8,304**	**.37**	**5.48**	**70.2**	**11.66**
Wyoming	6,277.4	8,304	.37	5.48	70.2	11.66
Campbell	6,277.4	8,304	.37	5.48	70.2	11.66
Basin Electric Power Coop Antelope Valley	**5,213.9**	**6,663**	**.59**	**8.47**	**71.8**	**9.57**
North Dakota	5,213.9	6,663	.59	8.47	71.8	9.57
Mercer	5,213.9	6,663	.59	8.47	71.8	9.57
Basin Electric Power Coop Leland Olds	**1,419.7**	**6,657**	**.83**	**8.47**	**98.3**	**13.08**
North Dakota	1,419.7	6,657	.83	8.47	98.3	13.08
Mercer	1,419.7	6,657	.83	8.47	98.3	13.08
Big Rivers Electric Corp D B Wilson	**1,169.1**	**11,209**	**4.07**	**14.99**	**132.2**	**29.64**
Kentucky	1,169.1	11,209	4.07	14.99	132.2	29.64
Hopkins	1,169.1	11,209	4.07	14.99	132.2	29.64
Big Rivers Electric Corp R D Green	**1,443.9**	**10,532**	**3.59**	**15.45**	**115.2**	**24.26**
Kentucky	1,443.9	10,532	3.59	15.45	115.2	24.26
Henderson	1,051.9	10,118	3.42	16.44	111.5	22.56
Hopkins	67.8	11,594	3.96	12.75	119.0	27.59
Webster	324.2	11,656	4.10	12.81	124.8	29.10
Big Rivers Electric Corp Coleman	**1,339.2**	**11,321**	**2.27**	**8.81**	**118.5**	**26.83**
Indiana	706.3	11,370	2.15	8.36	123.3	28.03
Daviess	706.3	11,370	2.15	8.36	123.3	28.03
Kentucky	632.9	11,267	2.41	9.31	113.1	25.50
Daviess	557.9	11,251	2.44	9.35	114.1	25.67
Hancock	75.0	11,386	2.16	9.01	106.2	24.18
Big Rivers Electric Corp Reid-Henderson II	**1,103.6**	**11,777**	**2.53**	**8.45**	**122.7**	**28.91**
Indiana	420.7	11,136	2.27	8.77	120.9	26.92
Daviess	46.9	11,080	1.99	8.20	128.3	28.44
Gibson	26.9	10,987	2.44	8.82	85.5	18.79
Spencer	111.0	11,233	2.41	8.98	119.8	26.90
Warrick	235.9	11,119	2.25	8.78	123.9	27.55
Kentucky	682.9	12,171	2.69	8.25	123.8	30.14
Daviess	202.9	11,342	2.31	9.37	133.0	30.17
Hopkins	400.0	12,513	2.85	7.74	119.9	30.02
Webster	80.0	12,564	2.84	7.95	122.0	30.65
Cajun Electric Power Coop Inc Big Cajun No.2	**3,796.3**	**8,621**	**.48**	**5.68**	**166.4**	**28.70**
West Virginia	208.9	13,061	.65	7.77	181.4	47.38
Mingo	208.9	13,061	.65	7.77	181.4	47.38
Wyoming	3,587.5	8,363	.47	5.55	165.1	27.61
Campbell	3,587.5	8,363	.47	5.55	165.1	27.61
Cardinal Operating Co Cardinal	**3,853.8**	**11,782**	**2.21**	**13.59**	**159.9**	**37.68**
Ohio	1,379.5	12,098	3.07	11.75	144.3	34.92
Belmont	832.9	11,989	2.97	12.22	154.8	37.11
Gallia	4.4	11,526	2.99	9.10	175.5	40.46
Harrison	15.4	11,753	2.74	13.13	113.9	26.78
Hocking	39.3	11,598	2.74	12.75	114.8	26.63
Jefferson	467.0	12,365	3.34	10.92	129.7	32.08
Perry	20.5	11,811	1.92	9.50	134.0	31.65
West Virginia	2,474.3	11,606	1.72	14.62	169.0	39.22
Brooke	993.4	12,219	3.22	10.50	176.5	43.14
Kanawha	1,480.9	11,195	.71	17.38	163.4	36.59
Carolina Power & Light Co Lee	**453.4**	**12,784**	**1.04**	**9.48**	**174.6**	**44.65**
Kentucky	247.1	12,736	1.11	9.02	197.9	50.40
Breathitt	.1	11,961	.78	8.60	161.9	38.73
Floyd	2.4	12,773	1.18	11.30	172.8	44.14
Harlan	4.5	12,717	1.45	11.10	178.0	45.27

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Carolina Power & Light Co Lee						
Kentucky						
Martin	205.4	12,701	1.10	9.15	202.1	51.33
Pike	34.6	12,946	1.15	7.80	177.9	46.07
Unknown	.1	12,379	.79	9.90	91.7	22.70
Tennessee	13.6	13,067	1.38	7.42	187.6	49.04
Claiborne	13.6	13,067	1.38	7.42	187.6	49.04
West Virginia	192.7	12,825	.91	10.21	144.1	36.98
Boone	65.4	12,757	.79	10.43	145.8	37.19
Logan	47.4	12,648	.91	11.13	146.3	37.01
Mingo	79.9	12,985	1.02	9.49	141.5	36.74
Carolina Power & Light Co Robinson	**208.2**	**12,536**	**1.41**	**11.17**	**155.8**	**39.06**
Kentucky	160.9	12,553	1.53	10.96	159.2	39.96
Breathitt	2.1	12,120	.97	8.90	142.8	34.61
Clay	1.2	11,904	1.22	12.70	143.3	34.12
Floyd	1.8	11,017	1.51	17.30	143.0	31.51
Harlan	98.3	12,569	1.56	10.52	165.6	41.64
Knox	5.0	12,308	.82	10.02	144.9	35.67
Martin	2.2	12,401	1.26	9.70	188.3	46.70
Perry	2.8	12,156	.94	10.60	151.8	36.91
Pike	47.5	12,669	1.61	11.86	148.0	37.49
Virginia	20.4	12,906	1.15	9.72	143.1	36.93
Dickenson	20.4	12,906	1.15	9.72	143.1	36.93
West Virginia	26.9	12,155	.94	13.50	145.4	35.35
Boone	2.2	12,656	1.08	11.80	191.9	48.57
Logan	24.7	12,110	.93	13.65	141.1	34.17
Carolina Power & Light Co Mayo	**1,839.6**	**12,148**	**.63**	**10.94**	**189.9**	**46.13**
Kentucky	193.5	12,442	.69	7.92	161.4	40.16
Martin	193.5	12,442	.69	7.92	161.4	40.16
West Virginia	1,646.1	12,114	.62	11.30	193.3	46.83
Boone	9.7	13,537	.70	6.10	171.4	46.40
Mingo	1,636.4	12,105	.62	11.33	193.4	46.83
Carolina Power & Light Co Cape Fear	**353.8**	**12,730**	**1.19**	**9.33**	**170.5**	**43.42**
Kentucky	145.5	12,574	1.14	10.09	167.0	41.99
Bell	.7	12,226	.87	14.30	137.6	33.65
Breathitt	3.8	12,318	1.11	9.19	147.6	36.36
Clay	9.0	12,109	1.27	11.23	141.8	34.34
Floyd	15.2	12,305	.95	12.00	148.0	36.42
Harlan	1.4	13,085	.76	8.10	184.5	48.28
Johnson	.3	12,000	.95	12.00	141.3	33.91
Knox	2.1	12,263	.95	11.50	149.7	36.72
Martin	55.5	12,875	1.15	8.23	194.7	50.13
Pike	57.5	12,450	1.18	11.19	150.1	37.37
Tennessee	149.5	13,063	1.37	7.35	183.8	48.02
Claiborne	149.5	13,063	1.37	7.35	183.8	48.02
Virginia	16.6	12,334	1.12	12.74	144.3	35.61
Dickenson	7.4	12,749	1.01	10.92	144.1	36.74
Wise	8.3	11,941	1.23	14.79	145.2	34.68
Unknown	.9	12,548	.94	8.70	138.7	34.81
West Virginia	42.2	12,246	.74	12.43	143.4	35.13
Mingo	39.6	12,230	.71	12.45	144.3	35.30
Wyoming	2.6	12,500	1.25	12.00	130.0	32.50
Carolina Power & Light Co Weatherspoon	**141.1**	**12,636**	**1.17**	**9.97**	**166.4**	**42.06**
Kentucky	126.6	12,596	1.16	10.00	168.3	42.40
Clay	5.7	12,201	.92	10.67	149.0	36.36
Floyd	73.7	12,728	1.19	9.71	170.9	43.51
Harlan	24.1	12,607	1.32	10.25	164.9	41.58
Martin	8.7	12,406	1.01	8.05	187.5	46.52
Pike	14.4	12,179	.89	11.95	156.0	38.01
Virginia	13.6	13,009	1.29	9.69	150.6	39.19
Dickenson	11.0	13,140	1.35	9.26	149.2	39.20
Wise	2.6	12,454	1.07	11.50	157.2	39.16
West Virginia	.9	12,511	1.31	10.40	151.5	37.91
Logan	.9	12,511	1.31	10.40	151.5	37.91
Carolina Power & Light Co Roxboro	**5,352.1**	**12,589**	**.92**	**9.09**	**183.9**	**46.31**
Kentucky	2,606.5	12,632	1.02	7.58	183.6	46.39
Martin	2,583.7	12,630	1.02	7.58	184.0	46.48
Pike	22.8	12,918	1.41	6.64	139.4	36.02
Virginia	31.0	12,879	1.07	9.89	128.7	33.16
Wise	31.0	12,879	1.07	9.89	128.7	33.16
West Virginia	2,714.6	12,544	.82	10.52	184.9	46.39
Boone	1,540.3	12,868	.92	10.23	178.7	45.98
Mingo	1,174.3	12,118	.68	10.91	193.6	46.92

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Carolina Power & Light Co Sutton	**484.6**	**12,687**	**1.01**	**10.56**	**177.3**	**44.98**
Kentucky	206.3	12,742	1.09	9.40	161.2	41.08
Floyd	76.9	12,530	1.16	10.45	163.7	41.01
Harlan	124.7	12,897	1.06	8.63	160.1	41.29
Perry	.1	12,101	1.10	11.30	151.8	36.74
Pike	4.5	12,131	1.00	12.73	150.8	36.58
Unknown	.1	12,000	1.38	12.00	146.7	35.21
Tennessee	2.5	12,753	1.40	7.80	198.3	50.58
Claiborne	2.5	12,753	1.40	7.80	198.3	50.58
Virginia	6.8	12,530	1.10	10.32	147.9	37.06
Dickenson	6.8	12,530	1.10	10.32	147.9	37.06
West Virginia	269.0	12,647	.94	11.49	190.2	48.12
Boone	240.0	12,689	.95	11.42	193.2	49.04
Logan	29.0	12,301	.89	12.03	164.5	40.47
Carolina Power & Light Co Asheville	**876.7**	**13,269**	**1.13**	**8.10**	**132.5**	**35.16**
Tennessee	66.2	13,342	1.31	6.32	177.8	47.44
Claiborne	66.2	13,342	1.31	6.32	177.8	47.44
Virginia	810.5	13,263	1.12	8.25	128.8	34.16
Wise	810.5	13,263	1.12	8.25	128.8	34.16
Cedar Falls City of Streeter	**26.5**	**11,149**	**2.52**	**9.78**	**124.5**	**27.76**
Indiana	10.9	11,120	1.92	10.59	124.6	27.72
Warrick	10.9	11,120	1.92	10.59	124.6	27.72
Kentucky	14.9	11,293	3.06	9.43	123.8	27.97
Daviess	14.0	11,241	3.09	9.56	123.5	27.76
Letcher	.1	13,260	.73	8.30	229.1	60.76
Ohio	.9	11,986	2.63	7.44	120.0	28.77
Wyoming	.7	8,527	.39	4.70	141.0	24.05
Campbell	.7	8,527	.39	4.70	141.0	24.05
Central Electric Pwr Coop-MO Chamois	**91.0**	**11,159**	**2.94**	**9.74**	**114.9**	**25.65**
Illinois	86.0	11,163	2.79	9.58	114.4	25.55
Franklin	7.0	11,834	1.20	6.90	123.9	29.33
Randolph	79.0	11,104	2.93	9.81	113.5	25.21
Missouri	5.0	11,084	5.52	12.58	123.3	27.32
Ralls	5.0	11,084	5.52	12.58	123.3	27.32
Central Hudson Gas & Elec Corp Danskammer	**466.9**	**13,266**	**.57**	**7.68**	**187.9**	**49.85**
Kentucky	301.2	13,261	.53	8.32	189.1	50.14
Pike	301.2	13,261	.53	8.32	189.1	50.14
West Virginia	165.7	13,277	.64	6.53	185.7	49.32
Mingo	165.7	13,277	.64	6.53	185.7	49.32
Central Illinois Light Co Duck Creek	**846.0**	**10,527**	**3.49**	**8.45**	**222.6**	**46.86**
Illinois	846.0	10,527	3.49	8.45	222.6	46.86
Macoupin	846.0	10,527	3.49	8.45	222.6	46.86
Central Illinois Light Co Edwards	**1,363.0**	**12,944**	**.92**	**6.32**	**165.1**	**42.74**
Illinois	181.0	10,475	2.40	9.48	121.5	25.46
Fulton	181.0	10,475	2.40	9.48	121.5	25.46
Kentucky	911.0	13,288	.69	5.69	170.6	45.34
Harlan	128.0	13,045	.65	6.35	171.3	44.69
Letcher	8.0	13,298	.73	4.90	167.9	44.65
Perry	489.0	13,343	.72	5.37	169.6	45.25
Pike	286.0	13,302	.65	5.97	172.2	45.81
West Virginia	271.0	13,438	.71	6.30	169.4	45.54
Boone	271.0	13,438	.71	6.30	169.4	45.54
Central Illinois Pub Serv Co Grand Tower	**219.7**	**11,710**	**3.15**	**11.43**	**169.1**	**39.61**
Illinois	219.7	11,710	3.15	11.43	169.1	39.61
Williamson	219.7	11,710	3.15	11.43	169.1	39.61
Central Illinois Pub Serv Co Hutsonville	**343.9**	**11,136**	**2.64**	**10.79**	**152.5**	**33.96**
Illinois	67.2	11,582	2.86	11.66	170.4	39.48
Williamson	67.2	11,582	2.86	11.66	170.4	39.48
Indiana	276.7	11,028	2.59	10.58	147.9	32.62
Daviess	239.0	11,025	2.63	10.58	147.8	32.59
Greene	16.3	11,097	2.54	9.90	153.4	34.04
Knox	21.4	11,007	2.12	11.10	144.4	31.79
Central Illinois Pub Serv Co Coffeen	**1,572.3**	**10,524**	**3.81**	**9.27**	**178.2**	**37.51**
Illinois	1,572.3	10,524	3.81	9.27	178.2	37.51
Macoupin	1,572.3	10,524	3.81	9.27	178.2	37.51
Central Illinois Pub Serv Co Newton	**2,076.6**	**11,513**	**2.10**	**10.16**	**170.1**	**39.17**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Central Illinois Pub Serv Co Newton						
Illinois	1,379.6	11,585	2.86	11.67	165.6	38.37
Williamson	1,379.6	11,585	2.86	11.67	165.6	38.37
Indiana	596.4	11,250	.59	7.17	182.7	41.10
Clay	27.5	11,904	.58	4.67	148.4	35.33
Greene	216.9	11,507	.62	6.72	184.9	42.54
Knox	271.7	11,079	.60	7.47	196.6	43.55
Sullivan	80.3	10,914	.49	8.19	141.6	30.91
Kentucky	22.3	12,870	.70	6.71	170.4	43.86
Letcher	22.3	12,870	.70	6.71	170.4	43.86
Utah	78.3	11,860	.56	7.51	157.1	37.26
Carbon	78.3	11,860	.56	7.51	157.1	37.26
Central Illinois Pub Serv Co Meredosia	**580.4**	**11,300**	**2.58**	**5.63**	**150.2**	**33.93**
Illinois	580.4	11,300	2.58	5.63	150.2	33.93
Schuyler	580.4	11,300	2.58	5.63	150.2	33.93
Central Iowa Power Coop Fair	**167.2**	**11,588**	**2.79**	**10.60**	**112.5**	**26.08**
Illinois	75.3	11,697	2.69	11.01	127.0	29.72
Williamson	75.3	11,697	2.69	11.01	127.0	29.72
Indiana	26.5	11,352	2.70	8.01	95.3	21.65
Pike	26.5	11,352	2.70	8.01	95.3	21.65
Kentucky	65.5	11,557	2.94	11.18	102.4	23.68
Daviess	6.4	11,331	3.05	9.00	99.3	22.50
Hopkins	49.3	11,413	2.86	11.47	98.3	22.45
Webster	9.7	12,446	3.25	11.20	123.5	30.74
Central Louisiana Elec Co Inc Dolet Hills	**2,689.0**	**6,878**	**.55**	**12.15**	**121.6**	**16.72**
Louisiana	2,689.0	6,878	.55	12.15	121.6	16.72
De Soto	2,689.0	6,878	.55	12.15	121.6	16.72
Central Louisiana Elec Co Inc Rodemacher	**1,961.0**	**8,565**	**.44**	**6.20**	**177.3**	**30.38**
Wyoming	1,961.0	8,565	.44	6.20	177.3	30.38
Campbell	1,961.0	8,565	.44	6.20	177.3	30.38
Central Operating Co Sporn	**1,699.5**	**12,477**	**1.07**	**10.65**	**135.3**	**33.76**
Kentucky	359.2	12,041	1.49	12.62	108.3	26.09
Martin	359.2	12,041	1.49	12.62	108.3	26.09
West Virginia	1,340.3	12,594	.95	10.12	142.2	35.81
Boone	666.9	12,929	.87	8.66	167.4	43.29
Clay	8.2	12,306	1.20	10.80	111.8	27.52
Fayette	2.0	12,095	.80	11.90	108.3	26.19
Kanawha	101.8	12,138	1.03	12.17	107.2	26.03
Logan	410.4	12,326	1.00	10.98	119.3	29.41
Nicholas	140.5	12,173	1.13	12.80	112.5	27.39
Unknown	10.5	12,147	1.23	12.70	111.9	27.18
Central Power & Light Co Coleto Creek	**1,958.4**	**10,802**	**.37**	**5.59**	**205.8**	**44.47**
Colorado	1,864.1	10,726	.36	5.38	208.2	44.67
Gunnison	64.1	11,526	.47	7.57	157.0	36.20
Moffat	1,747.3	10,687	.35	5.18	211.8	45.27
Routt	52.7	11,018	.46	9.65	159.2	35.08
Imported	94.3	12,313	.54	9.71	164.5	40.52
Imported Coal	94.3	12,313	.54	9.71	164.5	40.52
Cincinnati Gas & Electric Co East Bend	**1,514.5**	**11,279**	**2.27**	**11.81**	**143.9**	**32.46**
Illinois	7.2	10,479	2.31	12.36	94.2	19.74
Saline	7.2	10,479	2.31	12.36	94.2	19.74
Indiana	82.6	10,977	2.77	9.22	93.8	20.59
Daviess	13.9	10,905	2.39	8.39	91.9	20.04
Dubois	20.4	10,772	2.77	10.70	94.6	20.38
Spencer	35.8	11,218	2.77	8.07	96.2	21.59
Warrick	12.5	10,702	3.17	11.00	87.3	18.69
Kentucky	936.4	11,328	2.24	10.55	140.0	31.71
Carter	15.3	11,070	1.72	14.18	98.1	21.71
Floyd	18.6	11,024	1.40	14.11	98.2	21.65
Greenup	12.6	11,332	2.38	13.01	155.8	35.31
Knott	4.5	11,132	1.48	15.40	108.1	24.07
Lawrence	17.1	11,309	2.11	14.20	180.0	40.71
Magoffin	163.1	11,658	1.29	13.05	176.2	41.08
Martin	29.8	10,924	1.46	15.53	107.0	23.39
Muhlenberg	528.9	11,259	2.78	9.59	133.1	29.97
Ohio	113.5	11,368	1.64	7.45	143.6	32.64
Perry	2.9	11,550	1.21	13.80	99.7	23.03
Pike	16.6	10,876	1.48	16.51	90.2	19.62
Union	13.5	11,887	2.61	7.40	113.6	27.01

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co East Bend						
Ohio	334.4	11,181	2.36	14.55	168.8	37.75
Belmont	6.1	10,936	2.80	17.63	157.2	34.38
Jackson	13.5	11,085	2.98	9.62	90.3	20.02
Jefferson	157.5	11,012	2.58	16.60	177.5	39.08
Lawrence	140.4	11,405	2.02	12.53	167.0	38.09
Perry	5.9	11,273	2.17	10.34	151.8	34.22
Vinton	11.0	10,946	2.69	17.53	181.5	39.73
Pennsylvania	26.6	11,247	2.68	17.02	156.8	35.28
Greene	26.6	11,247	2.68	17.02	156.8	35.28
West Virginia	127.3	11,425	1.86	14.47	139.6	31.90
Boone	1.5	11,455	2.07	11.70	87.2	19.98
Kanawha	29.9	12,544	1.13	9.17	106.8	26.80
Logan	29.7	11,072	1.58	17.07	89.0	19.71
Ohio	33.0	10,925	2.66	17.50	180.4	39.41
Wayne	33.2	11,230	1.94	14.03	180.2	40.46
Cincinnati Gas & Electric Co Miami Fort	**3,246.4**	**11,837**	**1.51**	**11.73**	**154.3**	**36.53**
Indiana	41.7	10,934	2.94	9.37	90.8	19.86
Daviess	12.2	11,031	2.82	8.62	86.7	19.12
Dubois	3.4	10,772	2.77	10.70	95.2	20.51
Spencer	14.0	10,816	3.05	10.45	88.2	19.09
Warrick	12.1	11,019	3.00	8.50	96.7	21.30
Kentucky	1,078.4	11,593	1.66	11.46	145.5	33.73
Carter	1.5	11,172	1.44	13.60	100.4	22.43
Daviess	3.1	10,820	2.69	9.90	97.2	21.03
Floyd	25.9	11,924	.70	11.32	118.6	28.28
Greenup	139.8	11,397	2.26	12.86	158.4	36.11
Johnson	1.5	11,755	.65	11.40	111.3	26.17
Knott	10.4	11,375	1.23	14.06	110.2	25.08
Lawrence	47.9	11,594	1.61	13.03	157.8	36.60
Letcher	37.0	12,602	.69	8.39	126.0	31.76
Magoffin	349.6	11,642	1.25	12.85	173.6	40.42
Martin	73.0	12,078	.66	10.19	119.7	28.93
Muhlenberg	249.1	11,296	2.74	9.64	125.1	28.25
Ohio	41.2	11,361	1.53	7.19	149.0	33.85
Perry	13.4	11,622	1.16	12.39	111.8	25.99
Pike	83.3	11,794	1.00	12.06	112.0	26.42
Union	1.7	11,887	2.61	7.40	114.2	27.15
Ohio	654.7	11,214	2.46	14.23	161.7	36.27
Belmont	23.3	11,058	2.85	17.03	151.1	33.41
Jackson	32.8	10,837	3.05	13.12	82.1	17.80
Jefferson	284.4	11,149	2.56	15.56	173.4	38.67
Lawrence	226.6	11,389	2.22	12.77	165.4	37.68
Perry	47.8	11,345	2.25	9.97	118.0	26.79
Vinton	39.8	10,926	2.69	17.44	180.3	39.41
Pennsylvania	140.6	11,282	2.65	17.08	152.6	34.44
Greene	140.6	11,282	2.65	17.08	152.6	34.44
West Virginia	1,331.0	12,428	.76	10.23	159.6	39.68
Boone	251.7	12,371	.67	10.88	172.9	42.79
Fayette	7.0	12,758	.66	8.76	168.9	43.10
Kanawha	520.9	12,592	.68	9.41	159.4	40.15
Logan	185.2	11,953	.76	12.28	117.8	28.16
Mingo	285.0	12,771	.66	8.68	171.5	43.81
Nicholas	13.5	12,624	.66	10.74	119.8	30.25
Ohio	22.0	10,954	2.67	17.28	179.7	39.36
Wayne	45.7	11,248	1.98	14.02	179.2	40.32
Cincinnati Gas & Electric Co Beckjord	**1,609.5**	**11,341**	**1.69**	**13.90**	**163.9**	**37.18**
Indiana	15.8	10,879	2.62	9.22	93.7	20.38
Spencer	15.8	10,879	2.62	9.22	93.7	20.38
Kentucky	895.1	11,411	1.12	13.75	174.3	39.77
Greenup	53.8	11,381	2.32	12.93	162.5	36.99
Lawrence	1.5	11,309	2.11	14.20	178.5	40.37
Magoffin	303.9	11,617	1.29	12.98	175.6	40.81
Martin	528.7	11,298	.90	14.26	175.7	39.71
Perry	1.6	11,494	1.82	13.70	110.3	25.36
Pike	5.6	11,205	1.51	15.01	88.5	19.82
Ohio	548.1	11,199	2.46	13.88	153.2	34.31
Belmont	24.1	11,244	2.83	15.65	131.9	29.67
Jackson	81.7	10,930	3.00	12.52	83.5	18.25
Jefferson	193.6	11,133	2.50	15.31	170.2	37.90
Lawrence	213.0	11,381	2.18	12.79	164.9	37.53
Perry	17.0	11,313	2.17	10.46	140.9	31.89
Vinton	18.7	10,828	2.71	18.07	178.5	38.67
Pennsylvania	66.9	11,261	2.64	17.02	153.0	34.45
Greene	66.9	11,261	2.64	17.02	153.0	34.45

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Cincinnati Gas & Electric Co Beckjord						
West Virginia	83.6	11,665	1.76	13.97	144.2	33.64
Boone	9.8	12,369	.69	10.68	155.6	38.49
Kanawha	23.7	12,295	1.43	11.70	108.4	26.65
Logan	7.5	11,052	1.42	16.12	92.7	20.50
Mingo	6.3	12,538	.62	8.60	153.2	38.42
Nicholas	1.6	12,610	.66	12.70	117.4	29.61
Ohio	30.2	10,932	2.72	17.49	178.7	39.08
Wayne	4.5	11,199	1.87	13.93	178.7	40.03
Cleveland Electric Illum Co Avon Lake	**1,880.0**	**12,450**	**2.49**	**9.82**	**159.1**	**39.62**
Ohio	1,880.0	12,450	2.49	9.82	159.1	39.62
Belmont	235.0	12,208	3.44	11.35	166.3	40.60
Columbiana	8.0	11,678	1.92	6.80	144.5	33.75
Harrison	1,637.0	12,488	2.36	9.62	158.2	39.50
Cleveland Electric Illum Co Ashtabula	**1,079.0**	**12,679**	**3.16**	**8.71**	**146.9**	**37.25**
Ohio	476.0	12,233	4.01	10.83	163.8	40.09
Belmont	476.0	12,233	4.01	10.83	163.8	40.09
Pennsylvania	603.0	13,031	2.48	7.04	134.4	35.02
Venango	603.0	13,031	2.48	7.04	134.4	35.02
Cleveland Electric Illum Co Lake Shore	**352.0**	**13,117**	**.66**	**5.58**	**179.3**	**47.04**
Kentucky	175.0	13,039	.62	6.01	206.7	53.90
Martin	144.0	12,959	.64	5.97	218.9	56.74
Pike	31.0	13,413	.56	6.19	151.9	40.76
Pennsylvania	18.0	13,225	.69	4.50	154.2	40.78
Mercer	18.0	13,225	.69	4.50	154.2	40.78
West Virginia	159.0	13,189	.70	5.24	152.4	40.19
Nicholas	159.0	13,189	.70	5.24	152.4	40.19
Cleveland Electric Illum Co Eastlake	**2,568.0**	**12,339**	**2.95**	**10.20**	**144.7**	**35.71**
Ohio	2,273.0	12,295	3.00	10.27	146.9	36.11
Belmont	1,477.0	12,186	3.34	11.07	153.8	37.49
Columbiana	142.0	12,327	2.42	7.94	132.3	32.62
Coshocton	7.0	11,819	2.99	10.17	127.2	30.06
Harrison	513.0	12,716	2.32	8.90	136.7	34.76
Jefferson	15.0	12,261	2.28	9.90	141.7	34.75
Perry	71.0	11,751	2.49	8.41	123.2	28.96
Stark	48.0	11,939	2.22	10.19	128.3	30.63
Pennsylvania	98.0	12,545	2.54	10.54	128.4	32.21
Allegheny	31.0	12,823	2.95	9.99	124.6	31.96
Clarion	32.0	12,318	1.85	10.33	137.1	33.77
Greene	10.0	13,699	1.72	6.20	126.3	34.60
Jefferson	25.0	12,028	3.25	13.20	122.9	29.57
West Virginia	197.0	12,754	2.63	9.21	128.6	32.80
Marion	103.0	12,233	2.66	11.25	128.9	31.53
Monongalia	94.0	13,325	2.59	6.98	128.3	34.19
Colorado Springs City of Drake	**672.8**	**10,596**	**.35**	**6.08**	**171.7**	**36.39**
Colorado	672.8	10,596	.35	6.08	171.7	36.39
Moffat	672.8	10,596	.35	6.08	171.7	36.39
Colorado Springs City of Nixon	**639.8**	**10,745**	**.38**	**7.63**	**151.8**	**32.61**
Colorado	462.0	10,486	.33	7.01	174.3	36.55
Moffat	462.0	10,486	.33	7.01	174.3	36.55
Utah	177.8	11,417	.49	9.24	98.0	22.37
Carbon	159.8	11,353	.49	9.13	98.1	22.28
Emery	18.0	11,984	.47	10.25	96.5	23.13
Colorado-Ute Electric Assn Hayden	**1,746.8**	**10,683**	**.46**	**10.19**	**73.5**	**15.71**
Colorado	1,746.8	10,683	.46	10.19	73.5	15.71
Routt	1,746.8	10,683	.46	10.19	73.5	15.71
Colorado-Ute Electric Assn Craig	**3,360.2**	**10,204**	**.37**	**6.87**	**99.5**	**20.30**
Colorado	3,360.2	10,204	.37	6.87	99.5	20.30
Moffat	3,360.2	10,204	.37	6.87	99.5	20.30
Columbia City of Columbia	**63.0**	**10,656**	**4.07**	**11.28**	**161.7**	**34.45**
Illinois	31.0	10,737	3.91	11.04	157.2	33.76
St Clair	31.0	10,737	3.91	11.04	157.2	33.76
Missouri	31.9	10,576	4.24	11.52	166.1	35.13
Howard	31.9	10,576	4.24	11.52	166.1	35.13
Columbus & Southern Ohio El Co Picway	**202.3**	**11,673**	**2.86**	**9.45**	**122.2**	**28.54**
Ohio	202.3	11,673	2.86	9.45	122.2	28.54
Athens	35.0	11,667	1.92	9.88	121.5	28.36
Hocking	18.0	12,006	3.42	8.10	110.5	26.53

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Columbus & Southern Ohio El Co Picway						
Ohio						
Muskingum	35.6	11,879	3.82	8.47	139.9	33.23
Vinton	113.7	11,557	2.76	9.84	118.7	27.44
Columbus & Southern Ohio El Co Conesville	**3,102.2**	**12,009**	**3.06**	**8.11**	**160.3**	**38.51**
Ohio	3,102.2	12,009	3.06	8.11	160.3	38.51
Coshocton	1,850.5	12,089	3.23	7.38	168.3	40.69
Muskingum	271.6	11,655	3.48	10.37	142.0	33.11
Perry	344.2	11,391	2.11	10.48	149.5	34.05
Tuscarawas	635.9	12,262	2.89	7.98	150.4	36.89
Columbus & Southern Ohio El Co Poston	**106.2**	**11,587**	**2.85**	**9.23**	**115.8**	**26.84**
Ohio	106.2	11,587	2.85	9.23	115.8	26.84
Athens	9.9	11,395	1.58	10.61	115.3	26.27
Hocking	12.1	11,949	3.21	7.59	104.5	24.97
Muskingum	8.4	11,547	4.10	9.84	137.9	31.84
Vinton	75.8	11,558	2.81	9.24	115.3	26.66
Columbus City of Refuse & Coal	**55.7**	**12,274**	**.78**	**8.65**	**163.1**	**40.03**
Kentucky	39.8	12,582	.82	9.03	161.1	40.54
Floyd	15.3	12,584	.86	9.25	151.0	38.00
Martin	24.5	12,581	.80	8.89	167.4	42.13
Ohio	15.9	11,504	.68	7.70	168.4	38.74
Jackson	15.9	11,504	.68	7.70	168.4	38.74
Commonwealth Edison Co Waukegan	**1,088.0**	**9,554**	**.42**	**7.40**	**330.0**	**63.05**
Montana	121.0	9,536	.38	4.43	293.4	55.97
Big Horn	121.0	9,536	.38	4.43	293.4	55.97
Wyoming	967.0	9,557	.43	7.77	334.5	63.94
Sheridan	44.0	9,345	.46	5.05	301.4	56.34
Sweetwater	923.0	9,567	.42	7.90	336.1	64.30
Commonwealth Edison Co Crawford	**547.0**	**9,551**	**.43**	**7.97**	**360.0**	**68.77**
Montana	1.0	9,527	.36	4.30	309.5	58.97
Big Horn	1.0	9,527	.36	4.30	309.5	58.97
Wyoming	546.0	9,551	.43	7.98	360.1	68.79
Sheridan	1.0	9,303	.47	4.90	319.2	59.39
Sweetwater	545.0	9,552	.43	7.99	360.2	68.81
Commonwealth Edison Co Fisk	**335.5**	**9,569**	**.44**	**7.70**	**359.2**	**68.75**
Montana	.5	9,512	.37	3.80	323.0	61.45
Big Horn	.5	9,512	.37	3.80	323.0	61.45
Wyoming	335.0	9,569	.44	7.70	359.3	68.76
Sheridan	1.0	9,303	.47	4.90	319.2	59.39
Sweetwater	334.0	9,570	.44	7.71	359.4	68.79
Commonwealth Edison Co Joliet	**1,970.0**	**9,521**	**.43**	**6.88**	**338.2**	**64.41**
Montana	241.0	9,495	.35	4.26	298.0	56.60
Big Horn	241.0	9,495	.35	4.26	298.0	56.60
Wyoming	1,729.0	9,525	.44	7.24	343.8	65.49
Sheridan	335.0	9,358	.47	4.95	303.4	56.78
Sweetwater	1,394.0	9,565	.44	7.79	353.3	67.59
Commonwealth Edison Co Kincaid	**2,152.0**	**10,311**	**3.40**	**9.89**	**165.5**	**34.12**
Illinois	2,152.0	10,311	3.40	9.89	165.5	34.12
Christian	2,152.0	10,311	3.40	9.89	165.5	34.12
Commonwealth Edison Co Powerton	**2,782.0**	**9,448**	**.41**	**4.66**	**284.3**	**53.72**
Montana	1,451.0	9,512	.36	4.29	281.2	53.48
Big Horn	1,451.0	9,512	.36	4.29	281.2	53.48
Wyoming	1,331.0	9,379	.46	5.07	287.8	53.99
Sheridan	1,261.0	9,366	.46	4.93	284.9	53.38
Sweetwater	70.0	9,614	.42	7.60	338.0	64.99
Commonwealth Edison Co Will County	**1,504.0**	**9,537**	**.42**	**6.97**	**349.9**	**66.74**
Montana	261.0	9,525	.36	4.18	317.2	60.41
Big Horn	261.0	9,525	.36	4.18	317.2	60.41
Wyoming	1,243.0	9,540	.43	7.56	356.8	68.07
Sheridan	143.0	9,363	.47	4.88	323.4	60.56
Sweetwater	1,100.0	9,563	.43	7.91	361.0	69.05
Commonwealth Edison Co IN Inc State Line	**985.0**	**9,506**	**.36**	**4.39**	**294.7**	**56.03**
Montana	985.0	9,506	.36	4.39	294.7	56.03
Big Horn	985.0	9,506	.36	4.39	294.7	56.03
Consumers Power Co Karn-Weadock	**1,076.8**	**12,389**	**.82**	**10.09**	**189.5**	**46.96**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Consumers Power Co Karn-Weadock						
Kentucky	1,029.0	12,391	0.83	10.04	191.1	47.37
Bell	93.8	12,229	.89	10.88	152.3	37.26
Perry	43.8	12,621	.87	7.71	189.6	47.85
Pike	858.5	12,378	.82	10.20	194.5	48.15
Whitley	32.9	12,887	.65	6.54	213.7	55.09
West Virginia	47.8	12,359	.78	11.22	154.6	38.20
Boone	17.1	12,176	.90	11.50	162.2	39.50
Logan	30.7	12,460	.72	11.07	150.4	37.48
Consumers Power Co Campbell	**3,264.8**	**12,269**	**.99**	**9.87**	**181.1**	**44.44**
Kentucky	2,064.3	12,556	.70	9.62	185.6	46.61
Bell	198.8	12,406	.80	9.84	154.5	38.34
Perry	58.1	12,418	.81	8.55	187.1	46.47
Pike	1,807.4	12,577	.68	9.63	188.9	47.52
Ohio	750.8	11,262	1.97	10.80	183.6	41.36
Perry	750.8	11,262	1.97	10.80	183.6	41.36
West Virginia	449.7	12,630	.69	9.52	156.7	39.60
Boone	438.2	12,644	.69	9.47	156.8	39.65
Logan	11.5	12,100	.65	11.30	154.5	37.39
Consumers Power Co Cobb-Sandusky Sg	**943.7**	**12,560**	**.91**	**9.26**	**174.2**	**43.75**
Kentucky	445.5	12,750	.81	7.87	202.4	51.61
Bell	.3	12,573	.80	8.70	153.9	38.70
Perry	117.3	12,646	.84	7.68	189.2	47.84
Pike	192.1	12,571	.79	9.09	205.1	51.56
Whitley	135.8	13,093	.81	6.31	209.8	54.95
Pennsylvania	498.2	12,390	1.00	10.51	148.2	36.72
Allegheny	498.2	12,390	1.00	10.51	148.2	36.72
Consumers Power Co Weadock-Sandusky	**729.8**	**12,569**	**.84**	**8.59**	**187.2**	**47.07**
Kentucky	647.2	12,587	.83	8.27	192.3	48.41
Perry	431.9	12,581	.85	7.88	187.8	47.24
Pike	192.6	12,565	.81	9.38	199.9	50.24
Whitley	22.7	12,899	.71	6.24	212.9	54.92
Pennsylvania	82.6	12,425	.94	11.14	147.2	36.59
Allegheny	82.6	12,425	.94	11.14	147.2	36.59
Consumers Power Co Whiting	**832.9**	**12,567**	**.80**	**9.53**	**173.3**	**43.56**
Kentucky	673.9	12,603	.81	9.20	180.4	45.47
Bell	20.6	12,281	.70	8.90	141.4	34.73
Breathitt	.1	11,906	.93	10.00	140.6	33.48
Floyd	10.6	12,240	.93	8.40	151.1	36.99
Perry	10.1	12,600	.75	9.70	150.5	37.93
Pike	383.2	12,336	.87	10.96	175.5	43.31
Whitley	249.3	13,055	.74	6.54	192.8	50.35
West Virginia	159.0	12,418	.77	10.90	142.7	35.44
Boone	74.3	12,400	.81	10.43	146.1	36.23
Logan	84.7	12,434	.73	11.32	139.7	34.75
Coop Power Assn Coal Creek	**4,592.2**	**6,254**	**.70**	**10.45**	**93.7**	**11.72**
North Dakota	4,592.2	6,254	.70	10.45	93.7	11.72
Mclean	4,592.2	6,254	.70	10.45	93.7	11.72
Dairyland Power Coop Alma-Madgett	**1,483.1**	**9,117**	**.65**	**5.34**	**134.0**	**24.43**
Illinois	163.7	10,989	2.60	9.30	131.9	28.99
Jefferson	20.7	12,000	1.50	6.58	143.5	34.43
Randolph	143.0	10,842	2.76	9.70	130.0	28.20
Pennsylvania	119.5	13,080	1.37	6.70	152.3	39.84
Greene	119.5	13,080	1.37	6.70	152.3	39.84
Wyoming	1,199.9	8,467	.31	4.66	131.5	22.27
Campbell	1,199.9	8,467	.31	4.66	131.5	22.27
Dairyland Power Coop Stoneman	**28.3**	**12,863**	**1.82**	**6.84**	**139.6**	**35.91**
Illinois	6.1	11,114	3.03	8.95	123.2	27.39
Randolph	6.1	11,114	3.03	8.95	123.2	27.39
Kentucky	5.8	13,048	.84	5.85	132.2	34.50
Letcher	5.8	13,048	.84	5.85	132.2	34.50
Pennsylvania	16.4	13,447	1.71	6.40	147.2	39.58
Greene	16.4	13,447	1.71	6.40	147.2	39.58
Dairyland Power Coop Genoa No.3	**502.2**	**11,355**	**1.45**	**6.31**	**138.4**	**31.43**
Illinois	102.8	10,971	2.84	8.90	129.1	28.32
Randolph	102.8	10,971	2.84	8.90	129.1	28.32
Pennsylvania	260.1	13,154	1.52	6.29	151.8	39.93
Greene	260.1	13,154	1.52	6.29	151.8	39.93

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Dairyland Power Coop Genoa No.3						
Wyoming	139.2	8,275	0.31	4.45	107.7	17.83
Campbell	139.2	8,275	.31	4.45	107.7	17.83
Dayton Power & Light Co Stuart	**6,545.5**	**11,482**	**1.45**	**14.32**	**163.8**	**37.62**
Indiana	1.5	10,456	2.13	15.00	89.3	18.67
Dubois	1.5	10,456	2.13	15.00	89.3	18.67
Kentucky	4,839.0	11,463	1.33	14.31	172.0	39.44
Bell	143.3	12,420	1.36	9.38	173.3	43.04
Boyd	3.0	11,034	1.07	11.55	93.5	20.63
Breathitt	132.2	11,159	1.34	15.17	99.2	22.14
Carter	41.0	10,303	1.49	18.02	98.6	20.32
Elliott	12.5	10,846	1.62	15.84	93.9	20.37
Floyd	888.5	11,462	1.20	13.87	167.3	38.36
Johnson	83.6	11,010	1.44	15.90	100.9	22.23
Knott	6.2	10,711	1.28	18.00	95.0	20.35
Lawrence	171.1	10,908	1.43	16.53	97.0	21.16
Letcher	22.3	11,118	1.34	13.74	103.3	22.97
Martin	89.1	10,912	1.52	15.68	96.0	20.96
Morgan	31.4	11,145	1.46	14.75	100.2	22.34
Perry	2,720.4	11,343	1.35	15.20	189.6	43.02
Pike	491.6	12,470	1.34	9.73	169.1	42.18
Webster	2.8	10,645	3.12	12.45	83.5	17.78
Ohio	432.2	10,988	3.11	13.26	92.1	20.24
Belmont	101.1	11,735	2.79	12.02	97.4	22.86
Hocking	50.2	10,806	2.81	14.03	87.6	18.94
Jackson	25.8	10,653	3.80	14.99	90.8	19.35
Lawrence	177.9	10,840	2.89	12.78	91.9	19.92
Noble	39.9	10,289	4.21	15.04	88.7	18.25
Vinton	37.3	10,893	3.77	14.81	87.8	19.14
Pennsylvania	84.0	12,017	1.33	11.13	105.5	25.36
Allegheny	11.7	10,694	1.37	16.55	93.1	19.92
Fayette	6.0	10,963	1.52	15.75	92.5	20.28
Washington	66.3	12,346	1.31	9.76	108.4	26.78
West Virginia	1,188.8	11,702	1.33	14.98	159.9	37.42
Boone	12.0	10,905	1.23	17.77	95.3	20.79
Clay	18.3	11,475	1.03	14.77	98.6	22.63
Fayette	75.4	11,849	1.20	13.58	103.0	24.41
Kanawha	228.8	11,419	1.21	14.85	196.1	44.78
Logan	567.0	11,813	1.42	15.34	182.4	43.10
Mingo	8.9	10,911	1.47	16.59	95.7	20.88
Nicholas	272.4	11,753	1.31	14.57	109.0	25.63
Wayne	6.0	11,285	1.25	15.10	96.9	21.87
Dayton Power & Light Co Hutchings	**381.4**	**12,306**	**.79**	**11.26**	**149.0**	**36.68**
Kentucky	213.4	12,181	.81	11.65	139.9	34.09
Breathitt	10.4	12,385	.81	8.85	142.6	35.33
Floyd	40.6	12,275	.82	11.97	140.8	34.57
Knott	2.2	12,521	.81	12.10	141.2	35.36
Knox	1.9	12,000	.95	12.00	135.8	32.59
Magoffin	1.1	12,151	.81	12.73	138.5	33.65
Perry	90.9	12,075	.83	10.86	137.9	33.31
Pike	66.3	12,231	.75	12.91	141.8	34.68
West Virginia	168.0	12,465	.76	10.76	160.3	39.97
Boone	16.7	12,305	.80	10.78	138.5	34.09
Greenbrier	2.0	11,678	.80	11.10	131.7	30.76
Kanawha	23.5	12,875	.86	9.68	141.5	36.45
Logan	48.7	12,571	.63	10.56	212.2	53.35
Nicholas	77.1	12,329	.81	11.20	138.3	34.11
Dayton Power & Light Co Killen	**1,801.7**	**12,563**	**.67**	**10.03**	**135.2**	**33.96**
Kentucky	679.8	12,634	.68	9.49	124.6	31.47
Breathitt	6.1	12,356	.72	10.20	123.4	30.50
Carter	9.2	12,201	.72	12.25	126.3	30.81
Elliott	6.1	12,511	.73	11.18	121.9	30.50
Floyd	132.1	12,554	.71	10.13	122.5	30.75
Knott	20.6	12,638	.71	8.86	125.8	31.81
Lawrence	123.9	12,501	.69	11.04	121.5	30.37
Leslie	7.7	12,626	.68	8.90	127.0	32.07
Letcher	42.3	12,750	.72	9.00	126.4	32.24
Magoffin	71.9	12,365	.66	10.43	122.6	30.31
Martin	18.0	12,495	.67	10.11	122.3	30.55
Morgan	3.0	11,771	.70	14.50	123.2	29.00
Perry	76.5	13,177	.67	6.24	132.0	34.79
Pike	162.4	12,703	.65	8.73	125.3	31.84
West Virginia	1,121.9	12,520	.67	10.36	141.6	35.47
Boone	158.3	12,490	.69	10.81	120.3	30.04
Clay	6.0	11,795	.69	13.95	101.8	24.03

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Dayton Power & Light Co Killen						
West Virginia						
Fayette	102.6	12,526	0.69	10.77	120.3	30.15
Kanawha	21.2	12,391	.68	10.55	122.1	30.25
Lincoln	22.6	12,722	.68	8.90	121.8	30.98
Logan	569.2	12,514	.65	10.44	162.1	40.58
Mingo	169.4	12,536	.69	9.67	121.0	30.33
Nicholas	66.5	12,648	.70	9.70	121.7	30.79
Wayne	6.1	12,243	.70	11.80	116.1	28.43
Deepwater Operating Co Deepwater	**187.0**	**13,121**	**.78**	**7.78**	**164.2**	**43.10**
West Virginia	187.0	13,121	.78	7.78	164.2	43.10
Braxton	94.0	13,196	.76	7.01	164.3	43.37
Webster	93.0	13,045	.81	8.56	164.1	42.82
Delmarva Power & Light Co Edgemoor	**645.6**	**13,354**	**.77**	**7.70**	**185.5**	**49.54**
West Virginia	645.6	13,354	.77	7.70	185.5	49.54
Braxton	231.0	13,558	.78	6.68	188.6	51.13
Nicholas	407.2	13,248	.76	8.23	184.3	48.82
Preston	.3	12,980	1.30	8.60	149.8	38.89
Randolph	7.1	12,789	.53	10.50	154.2	39.44
Delmarva Power & Light Co Indian River	**1,776.8**	**12,961**	**1.10**	**9.10**	**179.5**	**46.53**
Kentucky	57.2	13,144	.54	8.14	206.5	54.28
Pike	57.2	13,144	.54	8.14	206.5	54.28
Pennsylvania	531.2	12,588	1.61	10.98	177.2	44.61
Armstrong	151.2	13,030	1.53	8.75	182.0	47.43
Cambria	345.1	12,405	1.63	11.90	177.2	43.96
Clearfield	35.0	12,478	1.77	11.43	155.4	38.77
West Virginia	1,188.3	13,119	.90	8.30	179.2	47.02
Boone	6.9	12,735	.78	9.40	166.1	42.31
Braxton	36.3	13,515	.81	6.50	200.9	54.31
Logan	306.0	12,749	.65	8.26	204.3	52.09
Nicholas	347.7	13,185	.64	8.14	194.1	51.17
Preston	359.4	13,313	1.43	8.47	149.2	39.74
Randolph	132.1	13,182	.77	8.84	161.0	42.44
Deseret Generation & Tran Coop Bonanza	**1,050.0**	**10,698**	**.42**	**8.80**	**206.0**	**44.08**
Colorado	1,050.0	10,698	.42	8.80	206.0	44.08
Rio Blanco	1,050.0	10,698	.42	8.80	206.0	44.08
Detroit Edison Co Harbor Beach	**94.0**	**13,219**	**.80**	**6.92**	**197.5**	**52.22**
Kentucky	48.0	13,100	.80	6.87	226.6	59.36
Floyd	23.0	13,216	.83	6.80	243.0	64.23
Martin	11.0	13,104	.66	6.20	185.7	48.67
Perry	10.0	12,901	.93	7.00	227.0	58.56
Pike	4.0	12,915	.70	8.80	243.2	62.82
West Virginia	46.0	13,343	.79	6.97	167.8	44.77
Mingo	29.0	12,996	.83	8.18	148.0	38.48
Wyoming	17.0	13,934	.72	4.91	199.2	55.50
Detroit Edison Co Conners Creek	**125.0**	**12,983**	**.82**	**7.06**	**241.0**	**62.57**
Kentucky	125.0	12,983	.82	7.06	241.0	62.57
Floyd	49.0	13,124	.86	6.44	249.3	65.43
Martin	9.0	12,368	.86	9.40	198.1	49.01
Perry	9.0	13,067	.86	6.60	225.8	59.01
Pike	58.0	12,945	.77	7.29	242.6	62.81
Detroit Edison Co Belle River	**4,369.0**	**9,512**	**.35**	**4.41**	**156.5**	**29.77**
Montana	4,306.0	9,521	.36	4.41	156.8	29.85
Big Horn	4,306.0	9,521	.36	4.41	156.8	29.85
Wyoming	63.0	8,910	.27	4.65	133.9	23.86
Campbell	51.0	8,915	.27	4.67	131.9	23.52
Converse	12.0	8,889	.25	4.60	142.5	25.33
Detroit Edison Co Trenton Channel	**1,405.0**	**13,039**	**.79**	**7.74**	**194.0**	**50.60**
Kentucky	552.0	12,991	.78	6.99	177.9	46.22
Floyd	193.0	13,023	.85	6.46	206.3	53.74
Harlan	141.0	13,171	.80	7.49	148.2	39.04
Martin	40.0	12,530	.82	8.45	189.9	47.59
Perry	30.0	12,886	.92	7.78	225.4	58.08
Pike	148.0	12,923	.65	6.67	156.6	40.47
Virginia	9.0	13,616	.92	5.90	179.3	48.83
Buchanan	9.0	13,616	.92	5.90	179.3	48.83
West Virginia	844.0	13,065	.79	8.25	204.7	53.48
Boone	522.0	13,090	.85	8.36	204.3	53.48
Logan	255.0	12,862	.68	8.64	209.5	53.89
Mingo	10.0	12,721	.75	7.70	153.7	39.10
Wyoming	57.0	13,810	.72	5.58	196.3	54.21

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Detroit Edison Co Monroe	**7,632.0**	**12,802**	**0.93**	**6.69**	**170.4**	**43.63**
Illinois	10.0	11,657	1.43	8.30	136.4	31.80
Franklin	10.0	11,657	1.43	8.30	136.4	31.80
Kentucky	2,561.0	12,831	.88	7.46	179.0	45.93
Breathitt	19.0	12,722	1.31	7.60	136.1	34.63
Floyd	180.0	12,948	.83	7.08	212.8	55.09
Harlan	25.0	13,037	.77	7.70	147.3	38.41
Knott	207.0	12,874	.88	7.51	144.0	37.07
Letcher	52.0	12,717	.97	8.78	132.6	33.72
Martin	756.0	12,660	.81	7.92	176.2	44.60
Perry	179.0	13,032	.89	6.85	210.6	54.90
Pike	904.0	12,922	.90	7.34	192.9	49.85
Unknown	239.0	12,764	1.00	6.80	132.2	33.75
Montana	688.0	9,549	.36	4.01	150.3	28.70
Big Horn	688.0	9,549	.36	4.01	150.3	28.70
Pennsylvania	1,396.0	13,270	1.34	6.22	169.3	44.92
Greene	1,303.0	13,275	1.33	6.26	171.5	45.54
Washington	93.0	13,198	1.45	5.74	137.5	36.31
Virginia	642.0	13,416	1.20	7.03	163.5	43.87
Buchanan	642.0	13,416	1.20	7.03	163.5	43.87
West Virginia	2,333.0	13,290	.84	6.82	168.3	44.73
Barbour	49.0	12,745	1.21	8.70	121.3	30.91
Boone	907.0	13,535	.85	5.96	181.3	49.08
Logan	130.0	12,821	.68	9.30	196.8	50.45
Mingo	185.0	13,111	.96	7.43	137.4	36.03
Nicholas	941.0	13,117	.81	7.25	157.5	41.33
Randolph	7.0	13,357	1.21	8.40	129.9	34.70
Wyoming	114.0	13,829	.74	5.38	189.2	52.33
Wyoming	2.0	8,997	.35	4.80	114.3	20.57
Campbell	2.0	8,997	.35	4.80	114.3	20.57
Detroit Edison Co River Rouge	**1,018.0**	**12,219**	**.78**	**10.04**	**211.7**	**51.74**
Kentucky	950.0	12,198	.79	9.95	211.6	51.62
Breathitt	638.0	11,971	.78	10.92	221.2	52.97
Floyd	21.0	12,418	.83	8.50	238.5	59.22
Martin	228.0	12,562	.82	8.42	175.7	44.15
Pike	63.0	13,105	.74	6.16	238.3	62.46
West Virginia	68.0	12,512	.68	11.25	213.5	53.42
Logan	62.0	12,440	.66	11.53	221.7	55.15
Mingo	6.0	13,256	.81	8.30	134.0	35.53
Detroit Edison Co St Clair	**4,795.0**	**9,662**	**.49**	**4.60**	**157.1**	**30.36**
Montana	4,486.0	9,520	.36	4.36	156.8	29.85
Big Horn	4,486.0	9,520	.36	4.36	156.8	29.85
Ohio	33.0	11,006	4.50	11.28	122.6	26.98
Tuscarawas	33.0	11,006	4.50	11.28	122.6	26.98
Pennsylvania	211.0	12,681	2.67	8.41	172.9	43.86
Clarion	211.0	12,681	2.67	8.41	172.9	43.86
Wyoming	65.0	8,973	.35	4.81	129.1	23.18
Campbell	65.0	8,973	.35	4.81	129.1	23.18
Detroit Edison Co Marysville	**165.0**	**12,862**	**.75**	**8.66**	**242.0**	**62.24**
Kentucky	163.0	12,849	.75	8.71	242.5	62.32
Floyd	22.0	13,051	.89	6.50	242.9	63.40
Perry	7.0	12,958	.92	7.30	225.2	58.36
Pike	134.0	12,810	.72	9.15	243.4	62.35
West Virginia	2.0	13,899	.71	4.70	201.2	55.93
Wyoming	2.0	13,899	.71	4.70	201.2	55.93
Duke Power Co Cliffside	**945.0**	**12,556**	**1.01**	**9.81**	**181.2**	**45.50**
Kentucky	889.0	12,532	1.01	9.85	184.2	46.16
Bell	106.0	12,532	.92	9.06	181.3	45.43
Harlan	695.0	12,545	1.01	9.75	190.9	47.89
Pike	88.0	12,428	1.09	11.61	134.1	33.33
Virginia	56.0	12,942	.93	9.05	135.3	35.03
Dickenson	11.0	12,761	1.19	9.76	130.9	33.41
Lee	21.0	12,336	.68	9.70	137.8	34.00
Russell	5.0	13,212	.79	9.90	133.2	35.20
Wise	19.0	13,645	1.08	7.70	135.8	37.06
Duke Power Co Allen	**701.0**	**12,595**	**.93**	**10.81**	**182.9**	**46.08**
Virginia	701.0	12,595	.93	10.81	182.9	46.08
Wise	701.0	12,595	.93	10.81	182.9	46.08
Duke Power Co Belews Creek	**3,323.0**	**12,433**	**.92**	**9.43**	**182.7**	**45.44**
Kentucky	2,709.0	12,385	.90	9.17	184.0	45.58
Martin	2,700.0	12,382	.90	9.18	184.2	45.61
Pike	9.0	13,257	1.43	5.90	139.9	37.09

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Duke Power Co Belews Creek						
Virginia	563.0	12,686	1.06	10.57	180.7	45.85
Wise	563.0	12,686	1.06	10.57	180.7	45.85
West Virginia	51.0	12,214	.78	10.53	136.1	33.26
Mingo	51.0	12,214	.78	10.53	136.1	33.26
Duke Power Co Buck	**107.0**	**12,732**	**.94**	**9.85**	**188.2**	**47.93**
Kentucky	35.0	12,429	.86	9.52	201.0	49.97
Martin	33.0	12,369	.86	9.57	204.6	50.62
Pike	2.0	13,417	.91	8.60	146.2	39.23
Virginia	60.0	12,967	1.05	10.08	190.6	49.44
Wise	60.0	12,967	1.05	10.08	190.6	49.44
West Virginia	12.0	12,446	.61	9.62	138.3	34.44
Mercer	6.0	12,107	.55	11.23	138.8	33.61
Wyoming	6.0	12,785	.67	8.00	137.9	35.26
Duke Power Co Lee	**239.0**	**12,611**	**.96**	**9.99**	**156.5**	**39.47**
Kentucky	184.0	12,389	.93	10.39	160.4	39.75
Bell	44.0	12,415	.93	9.36	184.3	45.76
Clay	4.0	12,349	1.29	13.23	152.0	37.54
Floyd	17.0	12,192	.94	11.34	156.9	38.26
Harlan	46.0	12,285	.96	10.15	160.0	39.30
Johnson	1.0	11,781	1.75	14.10	150.5	35.46
Martin	1.0	12,175	1.05	8.50	154.6	37.65
Pike	65.0	12,488	.87	11.06	147.9	36.94
Whitley	6.0	12,651	.93	7.75	143.1	36.21
Virginia	55.0	13,355	1.07	8.65	144.4	38.57
Dickenson	36.0	13,264	1.00	8.79	143.2	38.00
Wise	19.0	13,529	1.20	8.38	146.5	39.64
Duke Power Co Dan River	**83.0**	**12,595**	**.97**	**10.16**	**179.9**	**45.33**
Kentucky	46.0	12,459	.84	9.70	185.6	46.25
Martin	34.0	12,367	.84	9.70	200.4	49.57
Pike	12.0	12,721	.85	9.72	144.8	36.84
Virginia	20.0	12,727	1.02	11.30	193.4	49.23
Wise	20.0	12,727	1.02	11.30	193.4	49.23
West Virginia	17.0	12,806	1.25	10.05	149.3	38.24
Mingo	17.0	12,806	1.25	10.05	149.3	38.24
Duke Power Co Riverbend	**62.0**	**12,693**	**1.04**	**8.86**	**183.8**	**46.66**
Kentucky	62.0	12,693	1.04	8.86	183.8	46.66
Bell	27.0	12,578	.92	8.90	181.9	45.77
Floyd	8.0	12,306	1.03	8.50	153.6	37.80
Harlan	27.0	12,922	1.17	8.93	194.1	50.16
Duke Power Co Marshall	**3,107.0**	**12,539**	**.95**	**10.50**	**174.4**	**43.74**
Kentucky	1,145.0	12,410	.96	9.86	162.9	40.43
Bell	244.0	12,491	1.05	9.77	161.0	40.22
Clay	3.0	11,408	1.25	12.53	147.0	33.54
Floyd	125.0	12,177	.93	9.85	151.5	36.91
Harlan	276.0	12,560	1.02	9.71	169.8	42.66
Knott	16.0	12,310	1.11	11.10	148.1	36.46
Letcher	32.0	12,546	.84	8.28	148.2	37.18
Magoffin	12.0	12,190	.78	8.30	151.2	36.86
Martin	213.0	12,491	.87	8.81	183.2	45.77
Perry	113.0	12,129	.91	10.74	144.8	35.13
Pike	111.0	12,276	.89	11.88	148.9	36.57
Tennessee	37.0	12,075	1.04	11.91	148.1	35.77
Campbell	37.0	12,075	1.04	11.91	148.1	35.77
Virginia	1,882.0	12,626	.94	10.83	182.5	46.09
Buchanan	1.0	13,344	.94	7.00	148.4	39.60
Dickenson	1.0	13,052	.86	9.30	137.8	35.97
Lee	49.0	12,401	.83	9.52	136.9	33.95
Wise	1,831.0	12,631	.95	10.87	183.8	46.42
West Virginia	43.0	12,565	.99	11.46	141.8	35.62
Logan	2.0	12,658	.64	11.90	149.8	37.92
Mcdowell	3.0	12,661	.54	13.40	141.2	35.75
Mingo	31.0	12,539	1.11	11.50	141.0	35.37
Wyoming	7.0	12,609	.72	10.33	142.9	36.04
Duquesne Light Co Cheswick	**1,454.0**	**12,317**	**1.50**	**12.55**	**154.9**	**38.17**
Pennsylvania	1,268.0	12,329	1.46	12.46	157.9	38.93
Allegheny	668.0	12,681	1.30	9.78	168.8	42.81
Greene	597.0	11,937	1.63	15.46	144.9	34.58
Washington	3.0	12,041	2.22	13.82	164.2	39.55
West Virginia	186.0	12,234	1.75	13.20	134.8	32.99
Monongalia	186.0	12,234	1.75	13.20	134.8	32.99

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Duquesne Light Co Phillips	**142.0**	**12,021**	**1.93**	**14.01**	**154.0**	**37.03**
Pennsylvania	142.0	12,021	1.93	14.01	154.0	37.03
Allegheny	106.0	12,032	1.98	13.58	155.9	37.51
Greene	30.0	11,988	1.63	15.34	147.0	35.25
Washington	6.0	11,993	2.59	14.96	156.6	37.57
Duquesne Light Co Elrama	**778.0**	**12,049**	**1.77**	**13.92**	**158.1**	**38.11**
Pennsylvania	494.0	11,897	1.87	14.90	154.2	36.69
Allegheny	222.0	11,793	1.95	14.62	167.6	39.54
Greene	241.0	11,956	1.73	15.33	141.0	33.72
Washington	31.0	12,181	2.32	13.61	161.8	39.41
West Virginia	284.0	12,312	1.60	12.22	164.8	40.57
Monongalia	284.0	12,312	1.60	12.22	164.8	40.57
East Kentucky Power Coop Spurlock	**2,080.0**	**11,789**	**1.26**	**11.62**	**109.4**	**25.80**
Kentucky	1,310.0	11,881	1.00	11.16	111.5	26.49
Boyd	209.0	11,604	.96	12.17	110.5	25.65
Elliott	33.0	11,526	1.78	11.75	105.7	24.36
Floyd	169.0	11,617	1.02	12.44	110.9	25.78
Greenup	197.0	11,544	2.07	11.95	107.2	24.75
Harlan	8.0	12,455	.55	11.95	108.3	26.98
Johnson	36.0	11,904	.64	10.61	117.4	27.95
Lawrence	148.0	11,849	.66	11.38	110.4	26.17
Letcher	45.0	12,349	.66	9.92	114.1	28.17
Magoffin	77.0	12,035	.65	10.89	117.2	28.20
Martin	132.0	11,745	.72	11.61	112.3	26.37
Perry	220.0	12,599	.66	8.39	114.0	28.73
Pike	36.0	12,067	.60	11.37	112.1	27.04
Ohio	429.0	11,191	2.36	12.63	99.8	22.34
Jackson	171.0	11,115	2.34	12.61	97.8	21.73
Lawrence	86.0	11,122	2.52	12.10	94.4	20.99
Meigs	172.0	11,301	2.31	12.92	104.5	23.63
West Virginia	341.0	12,190	.87	12.12	112.7	27.47
Fayette	92.0	12,060	1.48	11.90	108.7	26.23
Kanawha	7.0	12,049	1.10	12.20	102.0	24.59
Logan	242.0	12,244	.64	12.20	114.5	28.03
East Kentucky Power Coop Cooper	**836.2**	**12,044**	**1.68**	**11.44**	**113.2**	**27.26**
Kentucky	784.2	12,031	1.68	11.40	114.0	27.44
Bell	35.0	11,979	1.95	11.08	106.4	25.50
Clay	106.4	11,991	1.53	11.83	106.3	25.50
Harlan	2.4	11,530	1.08	12.68	95.5	22.01
Laurel	104.0	11,957	1.73	11.50	99.9	23.88
Owsley	24.0	11,763	1.53	11.00	100.2	23.57
Perry	13.5	11,758	1.52	12.60	100.6	23.65
Pulaski	426.1	12,150	1.73	11.27	123.9	30.10
Unknown	72.8	11,677	1.45	11.46	97.8	22.84
Tennessee	52.0	12,244	1.75	12.03	100.3	24.56
Fentress	52.0	12,244	1.75	12.03	100.3	24.56
East Kentucky Power Coop Dale	**282.2**	**12,334**	**.85**	**9.50**	**109.2**	**26.94**
Kentucky	282.2	12,334	.85	9.50	109.2	26.94
Clay	13.0	12,067	.98	9.11	109.8	26.51
Harlan	5.7	12,842	.87	7.09	111.2	28.56
Laurel	20.0	12,030	1.01	9.59	111.6	26.86
Lee	51.1	11,959	1.02	9.73	103.8	24.82
Perry	191.4	12,470	.77	9.53	110.2	27.49
Unknown	1.0	12,156	1.05	8.00	114.5	27.84
Electric Energy Inc Joppa	**2,022.0**	**11,759**	**1.92**	**8.05**	**161.6**	**38.00**
Illinois	864.0	12,136	1.87	7.79	158.1	38.36
Franklin	190.3	11,798	1.80	7.69	110.9	26.16
Saline	451.1	12,296	1.95	7.38	164.3	40.41
Williamson	222.6	12,099	1.77	8.70	184.5	44.65
Indiana	71.4	11,259	1.67	7.85	111.2	25.05
Dubois	30.0	11,139	1.87	9.98	99.9	22.26
Pike	41.4	11,346	1.52	6.31	119.3	27.07
Kentucky	1,080.4	11,489	1.99	8.25	168.0	38.60
Daviess	6.1	11,080	1.40	10.60	125.4	27.79
Muhlenberg	381.2	11,529	2.84	9.96	173.3	39.96
Ohio	681.4	11,463	1.51	7.19	166.6	38.19
Union	11.7	11,917	2.75	12.50	98.2	23.40
West Virginia	6.2	12,194	.83	12.00	130.2	31.75
Fayette	6.2	12,194	.83	12.00	130.2	31.75
Empire District Electric Co Riverton	**211.3**	**11,830**	**1.84**	**11.82**	**146.2**	**34.59**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Empire District Electric Co Riverton						
Kansas	144.2	11,915	2.47	11.97	132.6	31.61
Crawford	144.2	11,915	2.47	11.97	132.6	31.61
Oklahoma	67.1	11,648	.48	11.51	176.0	41.00
Rogers	67.1	11,648	.48	11.51	176.0	41.00
Empire District Electric Co Asbury	**637.7**	**10,974**	**5.35**	**20.90**	**118.1**	**25.93**
Kansas	185.1	12,014	3.64	13.72	127.1	30.53
Crawford	185.1	12,014	3.64	13.72	127.1	30.53
Missouri	452.6	10,548	6.05	23.83	114.0	24.04
Barton	452.6	10,548	6.05	23.83	114.0	24.04
Florida Power Corp Crystal River	**5,830.1**	**12,631**	**.82**	**8.77**	**183.9**	**46.45**
Alabama	56.8	11,951	.65	11.20	168.8	40.36
Walker	56.8	11,951	.65	11.20	168.8	40.36
Kentucky	3,938.5	12,702	.89	8.64	175.4	44.55
Bell	34.9	12,507	.99	8.99	135.0	33.77
Breathitt	588.9	12,318	1.05	8.60	142.2	35.03
Floyd	71.5	12,406	.96	8.43	127.3	31.59
Harlan	1,269.4	12,639	.99	8.86	192.3	48.62
Knott	5.9	12,840	.66	8.90	155.8	40.01
Leslie	144.1	12,584	1.12	10.42	165.7	41.69
Letcher	1,135.2	13,072	.68	7.21	170.3	44.52
Perry	399.2	12,460	.99	10.62	217.7	54.26
Pike	289.3	12,797	.71	9.78	151.6	38.80
Virginia	795.0	12,463	.70	9.52	231.3	57.65
Lee	795.0	12,463	.70	9.52	231.3	57.65
West Virginia	661.3	12,674	.72	10.08	182.9	46.35
Boone	659.6	12,673	.72	10.08	183.0	46.38
Unknown	1.6	13,098	.83	8.10	134.4	35.20
Imported	378.6	12,269	.56	5.82	178.6	43.82
Imported Coal	378.6	12,269	.56	5.82	178.6	43.82
Fremont City of Wright	**118.9**	**10,773**	**.50**	**7.48**	**152.3**	**32.82**
Colorado	77.9	12,219	.58	7.58	173.9	42.50
Gunnison	77.9	12,219	.58	7.58	173.9	42.50
Wyoming	41.0	8,026	.35	7.29	89.8	14.41
Campbell	41.0	8,026	.35	7.29	89.8	14.41
Gainesville City of Deerhaven	**445.8**	**13,390**	**.79**	**6.81**	**168.2**	**45.05**
Kentucky	68.0	12,903	.66	7.06	172.7	44.56
Letcher	17.5	13,283	.74	6.80	178.2	47.34
Pike	50.5	12,772	.63	7.15	170.7	43.60
Virginia	377.8	13,478	.82	6.76	167.4	45.14
Wise	377.8	13,478	.82	6.76	167.4	45.14
Georgia Power Co Harllee Branch	**3,796.7**	**12,381**	**1.28**	**10.41**	**171.4**	**42.45**
Kentucky	2,203.1	12,208	1.51	10.51	157.0	38.34
Bell	54.9	12,682	1.34	9.79	174.7	44.32
Breathitt	784.5	12,086	1.42	10.02	138.8	33.54
Clay	831.1	12,257	1.60	10.74	165.3	40.52
Floyd	73.0	12,153	1.38	11.47	141.6	34.42
Harlan	98.2	12,419	1.53	10.75	147.6	36.67
Knox	156.8	12,282	1.65	10.68	204.4	50.20
Owsley	8.8	11,797	1.88	12.01	142.4	33.60
Perry	162.0	12,226	1.42	10.85	167.0	40.83
Pike	33.8	12,248	1.68	11.37	138.0	33.80
Tennessee	885.9	12,540	.78	9.84	200.6	50.31
Claiborne	885.9	12,540	.78	9.84	200.6	50.31
Virginia	707.7	12,722	1.20	10.82	178.4	45.39
Lee	555.7	12,695	1.14	10.97	184.1	46.73
Wise	152.0	12,822	1.39	10.26	157.9	40.50
Georgia Power Co Arkwright	**285.2**	**12,540**	**2.11**	**11.00**	**170.5**	**42.75**
Tennessee	285.2	12,540	2.11	11.00	170.5	42.75
Campbell	285.2	12,540	2.11	11.00	170.5	42.75
Georgia Power Co Atkinson-Mcdonoug	**1,444.3**	**11,684**	**2.56**	**9.73**	**170.1**	**39.74**
Illinois	601.4	11,484	2.39	8.64	188.0	43.19
Franklin	341.9	11,816	1.81	7.56	193.3	45.67
Perry	259.5	11,047	3.16	10.07	180.7	39.91
Kentucky	840.0	11,825	2.68	10.50	157.7	37.29
Bell	40.6	12,387	1.46	12.28	131.0	32.45
Breathitt	24.6	12,113	1.20	9.66	131.7	31.91
Butler	6.7	11,972	1.56	12.58	128.5	30.77
Clay	8.9	12,125	1.48	11.63	160.3	38.87
Harlan	40.7	12,358	2.14	9.33	114.7	28.35
Hopkins	690.2	11,722	2.91	10.43	163.3	38.29

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Georgia Power Co Atkinson-Mcdonoug						
Kentucky						
Leslie	22.5	12,440	1.43	11.11	159.1	39.59
Webster	5.8	12,167	2.77	11.88	142.7	34.72
West Virginia	2.9	12,167	2.77	11.88	142.7	34.72
Kanawha	2.9	12,167	2.77	11.88	142.7	34.72
Georgia Power Co Bowen	**7,891.6**	**12,249**	**1.59**	**10.64**	**162.5**	**39.81**
Kentucky	7,891.6	12,249	1.59	10.64	162.5	39.81
Bell	1,416.2	12,323	1.37	10.45	157.5	38.83
Clay	3,148.7	12,226	1.60	10.86	157.2	38.43
Hopkins	644.3	11,733	2.92	10.13	153.9	36.11
Knox	246.7	12,211	1.72	11.12	188.8	46.11
Leslie	1,135.8	12,501	1.46	10.91	155.3	38.82
Perry	1,299.9	12,268	1.24	10.22	186.4	45.73
Georgia Power Co Hammond	**1,961.1**	**12,742**	**1.83**	**9.62**	**160.4**	**40.87**
Kentucky	925.0	12,425	2.14	9.92	156.9	38.98
Bell	18.2	12,681	1.74	9.58	161.6	40.99
Harlan	8.9	12,286	2.31	12.24	140.8	34.59
Mccreary	894.9	12,422	2.14	9.90	157.0	39.00
Whitley	3.0	12,097	2.52	12.86	135.8	32.86
Tennessee	81.7	12,383	1.61	11.28	171.8	42.54
Campbell	76.8	12,407	1.57	11.10	173.6	43.09
Claiborne	4.9	12,000	2.23	14.09	141.2	33.89
Virginia	954.4	13,079	1.55	9.19	162.7	42.57
Lee	23.0	12,173	1.89	11.46	145.8	35.50
Wise	931.4	13,101	1.54	9.13	163.1	42.74
Georgia Power Co Yates	**3,041.7**	**12,071**	**1.99**	**10.27**	**170.9**	**41.25**
Alabama	205.9	11,776	2.26	14.75	211.4	49.79
Walker	205.9	11,776	2.26	14.75	211.4	49.79
Illinois	1,314.0	11,460	2.47	8.83	190.9	43.75
Franklin	732.5	11,810	1.93	7.67	195.6	46.19
Perry	581.5	11,019	3.16	10.29	184.5	40.67
Kentucky	192.5	12,404	2.28	10.88	143.8	35.67
Bell	17.5	12,686	1.51	8.99	134.8	34.19
Harlan	125.2	12,513	2.29	11.20	144.7	36.21
Hopkins	16.7	11,571	2.45	9.78	146.3	33.86
Mccreary	5.1	12,274	1.83	9.80	164.5	40.38
Webster	17.1	12,179	2.76	11.98	142.3	34.67
Whitley	10.9	12,388	2.57	10.60	137.6	34.09
Tennessee	293.2	12,543	1.72	10.03	138.9	34.83
Anderson	88.7	12,749	1.90	10.38	137.3	35.01
Campbell	108.8	12,159	1.52	10.74	137.5	33.44
Claiborne	95.7	12,788	1.79	8.90	141.7	36.25
Virginia	1,002.7	12,722	1.32	11.14	154.4	39.28
Buchanan	7.7	13,079	2.25	10.15	159.9	41.83
Lee	328.8	12,679	1.23	11.40	179.1	45.41
Wise	666.2	12,739	1.35	11.03	142.2	36.23
West Virginia	33.4	12,362	2.09	11.56	154.0	38.09
Kanawha	8.4	12,181	2.76	11.98	142.3	34.67
Mingo	25.0	12,424	1.87	11.41	157.9	39.23
Georgia Power Co Mitchell	**406.8**	**12,600**	**1.37**	**9.75**	**179.5**	**45.23**
Kentucky	403.7	12,603	1.37	9.72	179.7	45.28
Bell	133.1	12,798	1.31	9.38	203.3	52.02
Harlan	163.6	12,500	1.39	9.83	167.1	41.77
Leslie	6.8	12,379	1.45	11.00	200.2	49.57
Pike	100.2	12,528	1.40	9.91	166.7	41.77
Virginia	3.1	12,182	1.44	13.21	155.7	37.93
Wise	3.1	12,182	1.44	13.21	155.7	37.93
Georgia Power Co Scherer	**2,088.5**	**12,590**	**.65**	**9.33**	**279.1**	**70.27**
Kentucky	520.9	12,781	.67	8.22	294.0	75.15
Mccreary	478.6	12,808	.67	8.13	304.3	77.96
Pike	42.3	12,471	.64	9.24	173.8	43.36
Virginia	408.5	13,334	.67	6.93	254.1	67.77
Lee	352.7	13,320	.67	6.85	269.6	71.82
Wise	55.8	13,422	.72	7.45	157.1	42.16
West Virginia	1,159.1	12,243	.64	10.67	281.7	68.96
Mingo	1,159.1	12,243	.64	10.67	281.7	68.96
Georgia Power Co Wansley	**4,658.4**	**11,474**	**2.48**	**8.71**	**186.1**	**42.71**
Illinois	3,810.2	11,450	2.50	8.90	191.8	43.91
Franklin	2,118.5	11,806	1.97	7.72	196.3	46.35
Perry	1,691.7	11,004	3.17	10.38	185.7	40.86

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Georgia Power Co Wansley						
Indiana	684.6	11,496	2.30	7.06	165.2	37.98
Pike	684.6	11,496	2.30	7.06	165.2	37.98
Kentucky	128.7	11,897	2.60	10.96	144.0	34.27
Hopkins	57.7	11,577	2.43	9.66	146.4	33.90
Webster	71.0	12,156	2.74	12.02	142.2	34.56
West Virginia	34.9	12,157	2.74	12.02	142.1	34.56
Kanawha	34.9	12,157	2.74	12.02	142.1	34.56
Grand Haven City of J B Simms	**182.7**	**10,965**	**2.57**	**10.51**	**156.9**	**34.41**
Indiana	182.7	10,965	2.57	10.51	156.9	34.41
Greene	182.7	10,965	2.57	10.51	156.9	34.41
Grand Island City of Platte	**224.7**	**8,088**	**.37**	**6.07**	**178.4**	**28.87**
Wyoming	224.7	8,088	.37	6.07	178.4	28.87
Campbell	224.7	8,088	.37	6.07	178.4	28.87
Grand River Dam Authority GRDA 1	**2,150.5**	**8,464**	**.49**	**5.48**	**142.8**	**24.17**
Oklahoma	96.4	12,552	3.60	11.29	107.8	27.05
Craig	66.9	12,622	3.69	9.77	110.1	27.78
Haskell	29.5	12,392	3.38	14.75	102.5	25.40
Wyoming	2,054.1	8,272	.35	5.21	145.2	24.03
Campbell	2,054.1	8,272	.35	5.21	145.2	24.03
Gulf Power Co Crist	**2,066.5**	**12,221**	**2.90**	**9.58**	**172.9**	**42.26**
Alabama	88.1	12,109	2.81	11.43	108.5	26.28
Walker	88.1	12,109	2.81	11.43	108.5	26.28
Illinois	1,145.9	12,070	2.85	9.55	218.7	52.80
Gallatin	1,100.2	12,065	2.86	9.60	220.9	53.31
Randolph	45.7	12,192	2.63	8.30	166.5	40.60
Kentucky	832.5	12,441	2.98	9.43	118.3	29.42
Hopkins	151.0	11,962	3.03	8.77	119.6	28.61
Union	681.5	12,547	2.97	9.57	118.0	29.60
Gulf Power Co Smith	**855.4**	**12,242**	**2.66**	**10.07**	**168.0**	**41.14**
Alabama	17.5	11,982	3.00	13.90	118.2	28.33
Walker	17.5	11,982	3.00	13.90	118.2	28.33
Illinois	336.6	12,083	2.78	9.74	220.1	53.18
Gallatin	323.8	12,076	2.79	9.80	222.2	53.67
Randolph	12.8	12,274	2.60	8.10	166.5	40.87
Kentucky	422.0	12,490	2.96	9.66	120.6	30.14
Union	422.0	12,490	2.96	9.66	120.6	30.14
Imported	79.3	11,650	.47	12.80	220.8	51.45
Imported Coal	79.3	11,650	.47	12.80	220.8	51.45
Gulf Power Co Scholtz	**317.8**	**12,434**	**2.81**	**9.28**	**136.3**	**33.90**
Alabama	81.7	12,183	2.92	11.27	131.4	32.02
Walker	81.7	12,183	2.92	11.27	131.4	32.02
Kentucky	236.1	12,521	2.77	8.59	138.0	34.55
Union	38.1	12,293	2.96	9.85	137.8	33.87
Webster	198.0	12,564	2.73	8.34	138.0	34.68
Gulf States Utilities Co Nelson	**2,181.0**	**8,573**	**.46**	**6.55**	**191.8**	**32.88**
Wyoming	2,181.0	8,573	.46	6.55	191.8	32.88
Campbell	2,181.0	8,573	.46	6.55	191.8	32.88
Hamilton City of Hamilton	**98.7**	**12,441**	**.64**	**9.04**	**141.4**	**35.19**
Kentucky	35.9	12,382	.66	9.03	141.0	34.91
Perry	35.9	12,382	.66	9.03	141.0	34.91
West Virginia	62.8	12,474	.63	9.04	141.7	35.36
Fayette	62.8	12,474	.63	9.04	141.7	35.36
Hastings City of Hastings	**163.3**	**8,070**	**.39**	**6.25**	**178.1**	**28.75**
Wyoming	163.3	8,070	.39	6.25	178.1	28.75
Campbell	163.3	8,070	.39	6.25	178.1	28.75
Holland City of James De Young	**148.3**	**13,067**	**.84**	**7.41**	**159.4**	**41.66**
Kentucky	133.0	13,052	.84	7.35	159.2	41.56
Magoffin	118.0	13,017	.84	7.49	159.0	41.39
Perry	15.0	13,326	.81	6.26	161.0	42.91
West Virginia	15.3	13,200	.86	7.96	161.0	42.50
Fayette	15.3	13,200	.86	7.96	161.0	42.50
Holyoke Water Power Co Mount Tom	**392.1**	**13,250**	**1.42**	**7.47**	**173.1**	**45.86**
Pennsylvania	392.1	13,250	1.42	7.47	173.1	45.86
Clearfield	342.3	13,262	1.43	7.41	173.2	45.95
Jefferson	22.1	13,200	1.50	8.00	174.0	45.95
Somerset	27.7	13,148	1.27	7.77	170.1	44.73

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Hoosier Energy R E C Inc Merom	**2,005.7**	**10,902**	**3.60**	**10.71**	**150.9**	**32.91**
Illinois	686.4	10,569	3.40	9.36	212.4	44.89
Macoupin	686.4	10,569	3.40	9.36	212.4	44.89
Indiana	1,319.3	11,075	3.70	11.41	120.4	26.67
Clay	721.6	11,096	3.99	11.03	149.3	33.14
Daviess	44.3	11,429	2.36	8.36	90.1	20.59
Greene	119.6	11,003	2.50	10.36	92.9	20.45
Pike	321.3	11,043	4.03	13.21	79.3	17.51
Sullivan	22.5	11,224	2.05	8.99	92.6	20.78
Vigo	62.4	10,971	3.02	11.28	98.0	21.51
Warrick	27.6	10,766	2.59	12.03	80.8	17.40
Hoosier Energy R E C Inc Frank E Ratts	**605.4**	**11,076**	**2.90**	**9.25**	**130.0**	**28.79**
Indiana	605.4	11,076	2.90	9.25	130.0	28.79
Pike	605.4	11,076	2.90	9.25	130.0	28.79
Houston Lighting & Power Co Limestone	**7,450.7**	**6,502**	**1.06**	**17.97**	**156.2**	**20.31**
Texas	7,450.7	6,502	1.06	17.97	156.2	20.31
Freestone	7,450.7	6,502	1.06	17.97	156.2	20.31
Houston Lighting & Power Co Parish	**8,450.5**	**8,420**	**.37**	**5.54**	**251.9**	**42.41**
Montana	2,311.3	8,451	.37	5.51	253.8	42.89
Big Horn	2,311.3	8,451	.37	5.51	253.8	42.89
Wyoming	6,139.2	8,408	.36	5.55	251.1	42.23
Campbell	6,139.2	8,408	.36	5.55	251.1	42.23
Illinois Power Co Baldwin	**4,779.2**	**10,876**	**2.84**	**10.23**	**145.5**	**31.64**
Illinois	4,779.2	10,876	2.84	10.23	145.5	31.64
Perry	1,923.1	10,940	2.94	10.32	148.5	32.49
Randolph	1,852.9	10,831	2.77	10.17	143.5	31.09
Washington	1,003.2	10,833	2.77	10.16	143.3	31.05
Illinois Power Co Hennepin	**704.0**	**10,911**	**2.83**	**10.19**	**142.4**	**31.08**
Illinois	704.0	10,911	2.83	10.19	142.4	31.08
Randolph	459.0	10,911	2.83	10.19	142.6	31.11
Washington	245.0	10,911	2.83	10.19	142.1	31.02
Illinois Power Co Havana	**689.9**	**12,548**	**.64**	**9.02**	**136.5**	**34.25**
Indiana	29.3	11,273	.58	7.46	157.1	35.41
Daviess	12.2	11,197	.55	6.93	129.4	28.98
Greene	17.1	11,327	.60	7.84	176.6	40.01
Kentucky	599.8	12,578	.65	9.15	136.0	34.21
Letcher	565.9	12,568	.65	9.21	136.0	34.17
Perry	32.5	12,720	.64	8.17	136.8	34.80
Unknown	1.4	13,151	.56	6.30	132.3	34.80
West Virginia	60.8	12,871	.66	8.51	132.3	34.06
Mercer	60.8	12,871	.66	8.51	132.3	34.06
Illinois Power Co Wood River	**836.2**	**12,102**	**.89**	**5.98**	**157.4**	**38.09**
Illinois	635.2	12,188	.96	5.17	158.9	38.73
Hamilton	40.2	12,149	.88	5.69	157.1	38.18
Jefferson	595.1	12,190	.96	5.14	159.0	38.77
Indiana	98.3	11,128	.65	8.18	156.5	34.82
Greene	68.3	11,209	.65	7.57	156.2	35.03
Owen	30.1	10,944	.66	9.58	157.0	34.36
Kentucky	102.6	12,504	.68	8.84	149.0	37.25
Breathitt	28.6	11,977	.73	8.94	149.3	35.76
Letcher	71.4	12,719	.66	8.72	148.9	37.87
Perry	2.6	12,401	.63	10.80	147.6	36.61
Illinois Power Co Vermilion	**602.2**	**10,801**	**2.21**	**11.64**	**120.5**	**26.04**
Illinois	347.9	10,744	2.40	12.28	125.3	26.92
Douglas	347.9	10,744	2.40	12.28	125.3	26.92
Indiana	254.3	10,878	1.94	10.76	114.1	24.82
Greene	108.7	11,094	2.05	10.17	115.2	25.56
Owen	145.6	10,717	1.87	11.20	113.2	24.26
Independence City of Blue Valley	**162.9**	**11,964**	**3.38**	**12.15**	**164.1**	**39.25**
Kansas	135.6	11,998	3.41	12.29	163.5	39.24
Crawford	135.6	11,998	3.41	12.29	163.5	39.24
Missouri	27.3	11,794	3.20	11.46	166.7	39.33
Barton	27.3	11,794	3.20	11.46	166.7	39.33
Indiana & Michigan Electric Co Breed	**670.9**	**11,064**	**4.15**	**11.08**	**147.9**	**32.74**
Indiana	670.9	11,064	4.15	11.08	147.9	32.74
Clay	670.9	11,064	4.15	11.08	147.9	32.74
Indiana & Michigan Electric Co Tanners Creek	**1,492.2**	**11,622**	**2.24**	**8.44**	**159.8**	**37.15**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Indiana & Michigan Electric Co Tanners Creek						
Indiana	919.7	10,984	3.00	9.14	124.8	27.42
Perry	1.9	11,276	3.34	7.90	102.3	23.07
Spencer	3.8	11,276	3.34	7.90	102.3	23.07
Warrick	914.0	10,983	3.00	9.14	125.0	27.45
Kentucky	509.2	12,818	.73	6.94	220.7	56.57
Letcher	208.6	12,767	.69	7.02	222.2	56.74
Unknown	300.6	12,853	.77	6.88	219.6	56.45
Ohio	63.3	11,265	3.27	10.38	98.6	22.22
Jackson	52.8	11,269	3.40	10.51	98.8	22.28
Lawrence	10.5	11,245	2.58	9.72	97.6	21.94
Indiana & Michigan Electric Co Rockport	**3,273.8**	**8,231**	**.35**	**5.46**	**152.5**	**25.10**
Wyoming	3,273.8	8,231	.35	5.46	152.5	25.10
Campbell	3,273.8	8,231	.35	5.46	152.5	25.10
Indiana-Kentucky Electric Corp Clifty Creek	**4,812.0**	**11,539**	**3.30**	**10.31**	**106.4**	**24.55**
Indiana	1,606.0	11,091	3.12	9.32	97.0	21.52
Pike	207.0	10,933	3.48	11.02	97.5	21.31
Spencer	410.0	11,162	3.14	9.45	98.5	21.98
Warrick	989.0	11,095	3.03	8.91	96.3	21.37
Kentucky	3,206.0	11,764	3.38	10.80	110.8	26.07
Butler	89.0	11,598	3.44	9.34	95.0	22.03
Hopkins	2,461.0	11,737	3.39	10.76	115.1	27.02
Mclean	340.0	11,924	3.22	11.00	97.4	23.23
Webster	316.0	11,845	3.46	11.30	96.5	22.87
Indianapolis Power & Light Co Stout	**1,039.0**	**11,242**	**1.74**	**8.03**	**136.2**	**30.61**
Indiana	1,039.0	11,242	1.74	8.03	136.2	30.61
Greene	514.0	11,449	1.38	7.04	126.3	28.92
Pike	49.0	11,534	2.27	6.88	174.7	40.30
Sullivan	440.0	10,967	2.05	9.36	143.4	31.46
Warrick	36.0	11,242	2.43	7.62	138.5	31.13
Indianapolis Power & Light Co Petersburg	**4,546.0**	**11,260**	**2.10**	**7.81**	**116.3**	**26.18**
Indiana	4,546.0	11,260	2.10	7.81	116.3	26.18
Daviess	656.0	11,528	1.34	7.66	102.4	23.61
Greene	103.0	11,352	1.04	6.71	108.8	24.71
Knox	343.0	11,132	1.34	9.35	121.5	27.06
Pike	978.0	11,499	1.87	6.49	139.1	31.99
Warrick	2,466.0	11,107	2.54	8.20	110.3	24.51
Indianapolis Power & Light Co Pritchard	**323.0**	**11,261**	**2.24**	**7.67**	**131.2**	**29.55**
Indiana	323.0	11,261	2.24	7.67	131.2	29.55
Greene	35.0	11,478	1.50	7.09	121.1	27.81
Pike	31.0	11,456	2.09	6.64	164.4	37.68
Sullivan	5.0	10,933	.58	8.10	148.7	32.51
Warrick	252.0	11,213	2.39	7.87	128.1	28.73
Interstate Power Co Fox Lake	**79.7**	**10,620**	**1.69**	**10.14**	**144.6**	**30.72**
Indiana	79.7	10,620	1.69	10.14	144.6	30.72
Spencer	79.7	10,620	1.69	10.14	144.6	30.72
Interstate Power Co Dubuque	**142.7**	**11,055**	**3.12**	**9.79**	**164.2**	**36.30**
Illinois	142.7	11,055	3.12	9.79	164.2	36.30
Randolph	142.7	11,055	3.12	9.79	164.2	36.30
Interstate Power Co Lansing	**842.6**	**8,525**	**.43**	**4.83**	**205.4**	**35.02**
Indiana	41.8	10,953	2.56	9.23	102.4	22.44
Spencer	41.8	10,953	2.56	9.23	102.4	22.44
Wyoming	800.8	8,399	.32	4.60	212.4	35.68
Campbell	800.8	8,399	.32	4.60	212.4	35.68
Interstate Power Co Kapp	**501.4**	**11,043**	**2.96**	**10.07**	**153.5**	**33.91**
Illinois	431.0	10,984	2.97	9.84	163.3	35.88
Randolph	431.0	10,984	2.97	9.84	163.3	35.88
Kentucky	70.4	11,404	2.87	11.47	95.8	21.86
Daviess	1.6	11,168	3.06	9.50	89.8	20.06
Hopkins	68.8	11,409	2.86	11.52	96.0	21.90
Iowa Electric Light & Power Prairie Creek 1-4	**477.0**	**11,718**	**2.19**	**7.59**	**130.7**	**30.63**
Illinois	447.0	11,744	2.30	7.80	130.8	30.72
Franklin	447.0	11,744	2.30	7.80	130.8	30.72
Wyoming	30.0	11,332	.60	4.40	128.8	29.19
Carbon	30.0	11,332	.60	4.40	128.8	29.19
Iowa Electric Light & Power 6th St	**78.0**	**11,747**	**2.28**	**7.74**	**133.9**	**31.46**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Iowa Electric Light & Power 6th St						
Illinois	78.0	11,747	2.28	7.74	133.9	31.46
Franklin	78.0	11,747	2.28	7.74	133.9	31.46
Iowa Electric Light & Power Sutherland	**285.0**	**10,645**	**2.22**	**8.24**	**133.5**	**28.41**
Illinois	22.0	11,789	2.30	8.16	141.7	33.41
Franklin	22.0	11,789	2.30	8.16	141.7	33.41
Iowa	130.0	10,484	2.17	7.89	135.3	28.38
Marion	22.0	10,671	2.01	9.51	126.2	26.94
Monroe	108.0	10,445	2.20	7.56	137.2	28.67
Missouri	133.0	10,614	2.26	8.60	130.1	27.62
Putnam	133.0	10,614	2.26	8.60	130.1	27.62
Iowa Power & Light Co Council Bluffs	**2,670.7**	**8,334**	**.37**	**5.13**	**100.2**	**16.71**
Wyoming	2,670.7	8,334	.37	5.13	100.2	16.71
Campbell	2,670.7	8,334	.37	5.13	100.2	16.71
Iowa Public Service Co George Neal 1/4	**3,007.2**	**9,346**	**.52**	**6.43**	**119.5**	**22.34**
Wyoming	3,007.2	9,346	.52	6.43	119.5	22.34
Campbell	1,901.6	8,390	.36	5.41	94.5	15.86
Carbon	1,105.6	10,992	.80	8.19	152.3	33.49
Iowa Southern Utilities Co Ottumwa	**2,190.1**	**8,314**	**.37**	**5.74**	**110.6**	**18.40**
Wyoming	2,190.1	8,314	.37	5.74	110.6	18.40
Campbell	2,190.1	8,314	.37	5.74	110.6	18.40
Iowa Southern Utilities Co Burlington	**460.7**	**10,770**	**2.09**	**9.04**	**103.4**	**22.27**
Illinois	82.9	11,681	1.86	7.44	102.2	23.87
Franklin	77.0	11,709	1.81	7.38	101.8	23.84
Perry	5.9	11,317	2.60	8.24	107.2	24.26
Indiana	324.8	10,856	2.34	9.84	105.0	22.79
Warrick	324.8	10,856	2.34	9.84	105.0	22.79
Kentucky	10.4	11,123	3.10	10.12	88.9	19.78
Hopkins	10.4	11,123	3.10	10.12	88.9	19.78
Wyoming	42.6	8,262	.35	5.77	95.2	15.73
Campbell	42.6	8,262	.35	5.77	95.2	15.73
Iowa-Illinois Gas&Electric Co Riverside	**210.0**	**11,561**	**2.27**	**8.73**	**108.0**	**24.97**
Illinois	210.0	11,561	2.27	8.73	108.0	24.97
Franklin	148.0	11,916	2.19	8.10	108.1	25.76
Fulton	62.0	10,714	2.44	10.22	107.7	23.07
Iowa-Illinois Gas&Electric Co Louisa	**2,100.0**	**8,304**	**.38**	**5.54**	**112.7**	**18.72**
Wyoming	2,100.0	8,304	.38	5.54	112.7	18.72
Campbell	2,100.0	8,304	.38	5.54	112.7	18.72
Jacksonville Electric Auth St. Johns River	**1,766.4**	**12,405**	**1.49**	**10.46**	**159.5**	**39.58**
Kentucky	1,109.7	12,557	1.87	9.77	160.8	40.39
Harlan	762.5	12,929	.98	8.32	169.2	43.74
Webster	347.1	11,738	3.83	12.95	140.6	33.02
West Virginia	563.2	12,232	.87	12.25	160.4	39.25
Logan	563.2	12,232	.87	12.25	160.4	39.25
Imported	93.6	11,646	.58	7.90	137.0	31.91
Imported Coal	93.6	11,646	.58	7.90	137.0	31.91
Jamestown City of Samuel A Carlson	**115.8**	**12,767**	**1.46**	**9.98**	**131.1**	**33.48**
Ohio	10.2	12,537	1.81	9.24	131.5	32.98
Stark	10.2	12,537	1.81	9.24	131.5	32.98
Pennsylvania	105.5	12,790	1.43	10.05	131.1	33.53
Armstrong	6.1	12,587	1.63	10.67	130.7	32.90
Butler	3.0	12,727	1.39	8.31	136.4	34.73
Clarion	25.7	12,812	1.35	9.56	131.6	33.73
Clearfield	.9	12,987	1.77	7.80	132.0	34.29
Elk	2.8	12,909	1.55	8.55	133.0	34.33
Jefferson	67.0	12,795	1.43	10.35	130.6	33.42
Kansas City City of Quindaro	**338.9**	**11,220**	**2.43**	**12.51**	**217.8**	**48.87**
Illinois	338.9	11,220	2.43	12.51	217.8	48.87
Franklin	10.6	11,195	2.30	12.72	155.9	34.90
Williamson	328.3	11,221	2.43	12.51	219.8	49.32
Kansas City City of Kaw	**83.3**	**11,264**	**2.37**	**12.70**	**207.6**	**46.76**
Illinois	83.3	11,264	2.37	12.70	207.6	46.76
Franklin	11.2	11,180	2.31	12.73	149.3	33.37
Williamson	72.1	11,277	2.38	12.69	216.5	48.84
Kansas City City of Nearman	**915.8**	**8,297**	**.32**	**4.86**	**102.0**	**16.92**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Kansas City City of Nearman						
Wyoming	915.8	8,297	0.32	4.86	102.0	16.92
Campbell	915.8	8,297	.32	4.86	102.0	16.92
Kansas City Power & Light Co Hawthorne	**1,569.2**	**8,617**	**.26**	**4.77**	**83.1**	**14.32**
Wyoming	1,569.2	8,617	.26	4.77	83.1	14.32
Campbell	1,569.2	8,617	.26	4.77	83.1	14.32
Kansas City Power & Light Co Iatan	**2,141.9**	**8,925**	**.35**	**4.92**	**80.3**	**14.34**
Wyoming	2,141.9	8,925	.35	4.92	80.3	14.34
Campbell	2,141.9	8,925	.35	4.92	80.3	14.34
Kansas City Power & Light Co La Cygne	**3,733.2**	**8,851**	**2.43**	**13.84**	**111.9**	**19.81**
Illinois	58.2	11,019	3.38	10.50	123.2	27.15
Perry	58.2	11,019	3.38	10.50	123.2	27.15
Kansas	1,394.7	9,285	5.09	25.22	126.2	23.44
Linn	1,394.7	9,285	5.09	25.22	126.2	23.44
Missouri	235.2	9,162	4.84	25.77	125.8	23.05
Bates	235.2	9,162	4.84	25.77	125.8	23.05
Wyoming	2,045.1	8,458	.31	4.80	99.0	16.75
Campbell	2,045.1	8,458	.31	4.80	99.0	16.75
Kansas City Power & Light Co Montrose	**1,145.1**	**9,734**	**2.17**	**10.05**	**121.4**	**23.63**
Illinois	298.9	10,970	3.25	9.58	127.9	28.06
Franklin	96.8	11,727	2.24	7.81	125.3	29.40
Macoupin	146.3	10,560	3.57	9.20	125.1	26.41
St Clair	30.7	10,513	3.53	11.30	140.0	29.44
Saline	25.1	11,004	4.96	16.48	140.0	30.81
Missouri	242.2	9,774	4.67	22.20	131.8	25.76
Henry	242.2	9,774	4.67	22.20	131.8	25.76
Oklahoma	66.6	11,824	3.90	11.18	139.9	33.09
Craig	66.6	11,824	3.90	11.18	139.9	33.09
Wyoming	537.4	8,768	.23	4.70	108.5	19.03
Campbell	537.4	8,768	.23	4.70	108.5	19.03
Kansas Power & Light Co Lawrence	**690.1**	**10,940**	**.85**	**8.33**	**152.1**	**33.27**
Wyoming	690.1	10,940	.85	8.33	152.1	33.27
Carbon	690.1	10,940	.85	8.33	152.1	33.27
Kansas Power & Light Co Jeffrey Energy	**8,002.8**	**8,391**	**.33**	**4.64**	**128.8**	**21.62**
Wyoming	8,002.8	8,391	.33	4.64	128.8	21.62
Campbell	8,002.8	8,391	.33	4.64	128.8	21.62
Kansas Power & Light Co Tecumseh	**155.6**	**10,960**	**.88**	**8.17**	**147.9**	**32.41**
Wyoming	155.6	10,960	.88	8.17	147.9	32.41
Carbon	155.6	10,960	.88	8.17	147.9	32.41
Kentucky Power Co Big Sandy	**2,265.8**	**11,994**	**1.16**	**12.79**	**138.0**	**33.10**
Kentucky	2,144.6	11,986	1.18	12.80	140.0	33.55
Breathitt	185.1	12,147	1.21	9.98	103.8	25.21
Floyd	535.6	12,010	1.23	13.16	142.0	34.12
Johnson	993.9	11,999	1.24	13.27	138.6	33.27
Martin	422.8	11,863	.98	12.43	156.7	37.18
Pike	7.2	11,598	.84	15.57	135.3	31.39
West Virginia	121.2	12,135	.78	12.59	103.5	25.12
Kanawha	.2	11,950	1.22	13.05	125.5	30.00
Logan	121.0	12,136	.78	12.59	103.5	25.11
Kentucky Utilities Co Green River	**545.2**	**12,161**	**2.53**	**9.03**	**102.8**	**25.00**
Kentucky	545.2	12,161	2.53	9.03	102.8	25.00
Butler	18.0	11,374	1.84	9.60	104.2	23.69
Christian	12.0	11,375	2.41	10.20	101.6	23.11
Hopkins	155.1	11,490	2.35	9.69	101.4	23.31
Muhlenberg	42.1	11,474	1.74	10.77	101.2	23.23
Ohio	16.8	11,415	2.25	8.04	105.0	23.98
Webster	301.3	12,723	2.80	8.43	103.5	26.33
Kentucky Utilities Co Brown	**1,538.2**	**11,899**	**2.29**	**10.33**	**105.0**	**24.99**
Indiana	431.0	11,536	1.63	6.53	102.9	23.75
Pike	431.0	11,536	1.63	6.53	102.9	23.75
Kentucky	983.6	11,980	2.56	11.80	106.4	25.50
Bell	36.2	12,425	2.13	11.23	107.1	26.60
Breathitt	61.1	12,347	3.04	10.39	107.4	26.51
Floyd	30.8	12,309	2.70	10.96	109.4	26.94
Harlan	31.1	12,448	2.55	11.84	108.6	27.03
Letcher	72.5	12,141	1.19	12.66	106.7	25.91
Morgan	1.0	12,125	3.22	11.40	108.2	26.24
Owsley	32.6	11,562	2.38	12.79	105.8	24.48

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Kentucky Utilities Co Brown						
Kentucky						
Perry	183.1	11,990	2.26	12.35	108.2	25.95
Pulaski	87.9	12,185	2.81	11.95	105.7	25.77
Whitley	48.1	12,161	2.52	11.39	110.6	26.89
Wolfe	399.3	11,755	2.86	11.66	104.5	24.58
Tennessee	123.5	12,522	2.42	11.79	101.2	25.36
Anderson	97.9	12,646	2.56	10.85	102.5	25.93
Scott	25.6	12,049	1.88	15.39	96.1	23.16
Kentucky Utilities Co Ghent	**3,846.2**	**12,240**	**1.29**	**9.29**	**157.3**	**38.51**
Indiana	1,046.7	11,045	2.96	9.06	131.8	29.12
Warrick	1,046.7	11,045	2.96	9.06	131.8	29.12
Kentucky	2,176.2	12,784	.68	8.92	179.2	45.81
Floyd	81.6	11,958	.64	12.55	114.8	27.45
Knott	28.9	11,689	.63	12.76	111.4	26.04
Lawrence	6.2	12,083	.64	10.60	122.4	29.58
Letcher	792.1	13,326	.72	6.84	242.2	64.56
Martin	320.5	12,044	.62	11.29	115.9	27.92
Morgan	113.8	12,101	.65	11.22	118.3	28.63
Perry	833.1	12,771	.67	9.18	155.9	39.82
West Virginia	623.3	12,347	.63	10.94	116.6	28.78
Boone	9.2	13,031	.68	7.70	117.7	30.67
Clay	4.5	11,799	.69	11.24	103.8	24.51
Kanawha	15.2	12,765	.60	9.80	121.3	30.97
Logan	147.5	12,312	.60	10.91	112.1	27.60
Mingo	447.0	12,335	.64	11.05	118.0	29.11
Kentucky Utilities Co Tyrone	**75.7**	**12,352**	**.88**	**10.38**	**117.8**	**29.10**
Kentucky	75.7	12,352	.88	10.38	117.8	29.10
Perry	75.7	12,352	.88	10.38	117.8	29.10
Lakeland City of Plant 3-McIntosh	**733.4**	**12,257**	**1.57**	**10.61**	**200.0**	**49.02**
Kentucky	733.4	12,257	1.57	10.61	200.0	49.02
Leslie	733.4	12,257	1.57	10.61	200.0	49.02
Lansing City of Eckert	**666.3**	**13,038**	**.81**	**7.26**	**189.5**	**49.41**
Kentucky	519.3	13,033	.82	7.05	195.9	51.07
Floyd	368.7	13,115	.84	6.47	207.8	54.51
Martin	27.3	12,460	.71	8.14	162.2	40.41
Pike	123.3	12,915	.81	8.56	166.9	43.12
West Virginia	147.0	13,056	.77	7.99	166.8	43.56
Boone	90.3	13,020	.76	8.01	167.9	43.72
Mingo	56.7	13,114	.78	7.97	165.1	43.31
Lansing City of Erickson	**575.6**	**13,050**	**.82**	**7.11**	**192.8**	**50.32**
Kentucky	478.3	13,049	.84	6.93	198.3	51.74
Floyd	384.5	13,081	.85	6.61	206.2	53.94
Harlan	5.4	12,863	.96	10.66	173.9	44.74
Martin	21.4	12,738	.68	7.54	161.4	41.11
Pike	67.0	12,977	.81	8.32	165.9	43.06
West Virginia	97.3	13,055	.75	7.97	165.9	43.32
Boone	44.0	13,022	.73	8.07	167.5	43.64
Mingo	53.3	13,083	.76	7.88	164.6	43.06
Lansing City of Ottawa	**20.0**	**13,658**	**.81**	**3.29**	**203.3**	**55.53**
Kentucky	20.0	13,658	.81	3.29	203.3	55.53
Knox	20.0	13,658	.81	3.29	203.3	55.53
Los Angeles City of Intermountain	**4,598.3**	**11,859**	**.56**	**8.74**	**130.4**	**30.94**
Utah	4,598.3	11,859	.56	8.74	130.4	30.94
Carbon	4,184.1	11,804	.55	8.78	135.5	31.98
Emery	414.2	12,416	.63	8.35	82.3	20.44
Louisville Gas & Electric Co Cane Run	**867.3**	**11,189**	**3.42**	**12.79**	**130.5**	**29.20**
Indiana	14.6	10,960	2.78	8.90	102.1	22.38
Warrick	14.6	10,960	2.78	8.90	102.1	22.38
Kentucky	852.7	11,193	3.43	12.86	131.0	29.32
Hopkins	301.3	11,516	3.43	11.72	106.6	24.55
Muhlenberg	549.2	11,014	3.44	13.50	145.2	31.98
Unknown	2.2	11,671	1.79	7.96	75.5	17.62
Louisville Gas & Electric Co Mill Creek	**3,428.3**	**11,201**	**3.24**	**12.09**	**133.5**	**29.92**
Indiana	56.2	10,925	2.89	9.43	81.9	17.89
Spencer	3.1	10,517	3.55	9.30	67.8	14.26
Warrick	53.1	10,949	2.85	9.44	82.6	18.10

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Louisville Gas & Electric Co Mill Creek						
Kentucky	3,372.1	11,205	3.25	12.13	134.4	30.12
Hopkins	462.1	11,597	3.30	10.69	103.0	23.89
Muhlenberg	2,885.9	11,144	3.24	12.38	140.1	31.21
Ohio	24.1	11,093	3.39	10.05	82.5	18.29
Lower Colorado River Authority S Seymour-Fayette	**4,362.0**	**8,451**	**.39**	**5.88**	**155.8**	**26.33**
New Mexico	43.0	11,919	.55	15.94	141.5	33.74
Colfax	43.0	11,919	.55	15.94	141.5	33.74
Texas	138.0	6,444	1.36	13.43	157.6	20.31
Bastrop	138.0	6,444	1.36	13.43	157.6	20.31
Wyoming	4,181.0	8,482	.36	5.53	155.9	26.45
Campbell	1,568.0	8,709	.36	5.42	199.0	34.66
Converse	2,613.0	8,346	.36	5.60	128.9	21.52
Madison Gas & Electric Co Blount	**93.0**	**11,409**	**1.59**	**8.17**	**163.4**	**37.29**
Illinois	26.0	12,006	1.98	7.67	164.7	39.55
Franklin	5.0	11,713	1.96	7.42	155.9	36.53
Saline	21.0	12,076	1.99	7.72	166.7	40.27
Indiana	67.0	11,178	1.43	8.36	162.9	36.41
Daviess	40.0	11,174	1.43	8.48	161.2	36.03
Knox	17.0	10,995	1.58	9.08	165.4	36.37
Spencer	10.0	11,505	1.19	6.66	165.1	38.00
Manitowoc City of Manitowoc	**112.9**	**13,221**	**.82**	**6.64**	**164.0**	**43.36**
Kentucky	103.4	13,232	.84	6.49	163.9	43.37
Martin	55.1	13,246	.99	6.27	162.8	43.14
Pike	48.3	13,216	.66	6.74	165.1	43.64
West Virginia	9.5	13,100	.70	8.20	165.0	43.23
Nicholas	9.5	13,100	.70	8.20	165.0	43.23
Marquette City of Shiras	**169.5**	**9,813**	**.60**	**5.79**	**178.1**	**34.96**
Kentucky	29.7	12,489	1.17	8.20	181.1	45.24
Magoffin	29.7	12,489	1.17	8.20	181.1	45.24
Montana	139.8	9,244	.48	5.27	177.3	32.77
Big Horn	104.9	9,244	.48	5.27	177.3	32.77
Rosebud	34.9	9,244	.48	5.27	177.3	32.77
Metropolitan Edison Co Portland	**684.0**	**12,828**	**1.97**	**8.52**	**159.1**	**40.82**
Pennsylvania	649.2	12,826	1.97	8.48	159.2	40.84
Clarion	355.3	12,789	2.06	7.81	156.7	40.07
Clearfield	69.5	12,386	1.67	11.63	173.0	42.87
Greene	29.9	13,316	1.86	6.05	162.0	43.14
Jefferson	165.1	13,028	1.96	8.90	158.4	41.26
Washington	29.4	12,683	1.77	9.10	160.2	40.63
West Virginia	34.8	12,856	2.04	9.38	157.3	40.44
Barbour	7.7	13,146	2.09	7.26	160.8	42.28
Preston	27.1	12,774	2.02	9.98	156.2	39.91
Metropolitan Edison Co Titus	**540.5**	**13,190**	**1.51**	**7.21**	**163.5**	**43.14**
Pennsylvania	502.5	13,219	1.52	7.02	164.1	43.39
Clarion	7.6	12,301	1.70	9.51	164.7	40.52
Clearfield	29.5	12,990	1.61	10.27	161.4	41.93
Greene	340.2	13,347	1.49	6.20	168.0	44.84
Jefferson	44.0	13,107	1.71	8.77	154.2	40.41
Somerset	11.5	12,730	1.69	10.44	160.4	40.85
Washington	69.7	12,945	1.48	7.73	152.8	39.55
West Virginia	38.0	12,800	1.33	9.68	155.4	39.79
Nicholas	6.6	12,750	1.10	8.96	161.9	41.28
Preston	18.1	12,791	1.50	9.82	156.2	39.96
Randolph	13.3	12,837	1.20	9.85	151.2	38.81
Michigan South Central Pwr Agy Project 1	**160.9**	**11,886**	**3.12**	**11.09**	**194.9**	**46.34**
Ohio	160.9	11,886	3.12	11.09	194.9	46.34
Carroll	160.9	11,886	3.12	11.09	194.9	46.34
Minnesota Power & Light Co Aurora-Syl Laskin	**54.3**	**8,544**	**.91**	**9.71**	**172.8**	**29.52**
Montana	54.3	8,544	.91	9.71	172.8	29.52
Rosebud	54.3	8,544	.91	9.71	172.8	29.52
Minnesota Power & Light Co Boswell	**3,169.5**	**8,637**	**.78**	**8.75**	**139.2**	**24.05**
Montana	3,169.5	8,637	.78	8.75	139.2	24.05
Rosebud	3,169.5	8,637	.78	8.75	139.2	24.05
Minnkota Power Coop Inc Young	**3,627.0**	**6,717**	**.74**	**7.50**	**54.4**	**7.31**
North Dakota	3,627.0	6,717	.74	7.50	54.4	7.31
Oliver	3,627.0	6,717	.74	7.50	54.4	7.31

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Mississippi Power Co Daniel	**2,043.3**	**13,028**	**0.68**	**7.28**	**203.8**	**53.11**
Kentucky	1,130.2	13,002	.69	7.23	200.6	52.16
Harlan	97.1	12,953	.63	6.46	222.5	57.64
Knott	170.6	12,787	.67	8.66	209.1	53.49
Letcher	809.4	13,040	.70	7.12	196.4	51.23
Perry	53.1	13,197	.69	5.74	196.9	51.98
Virginia	138.9	13,400	.69	6.87	193.9	51.96
Lee	15.3	12,290	.66	9.00	180.6	44.39
Wise	123.6	13,537	.69	6.61	195.4	52.90
West Virginia	708.3	13,072	.67	7.72	213.7	55.86
Boone	642.1	13,097	.66	7.73	212.4	55.65
Logan	66.2	12,833	.71	7.66	225.7	57.93
Imported	65.9	12,206	.49	4.27	173.5	42.35
Imported Coal	65.9	12,206	.49	4.27	173.5	42.35
Mississippi Power Co Watson	**1,591.2**	**12,276**	**2.44**	**8.00**	**170.5**	**41.87**
Alabama	37.4	12,604	2.35	11.26	152.6	38.48
Jefferson	12.5	12,604	2.35	11.26	152.6	38.48
Tuscaloosa	24.9	12,604	2.35	11.26	152.6	38.48
Illinois	693.7	12,238	2.42	8.42	171.6	42.00
Gallatin	13.3	12,270	2.39	7.71	168.2	41.29
Saline	680.4	12,238	2.43	8.43	171.7	42.02
Kentucky	693.2	12,296	2.47	7.49	169.5	41.69
Hopkins	366.3	12,239	2.45	6.85	177.4	43.42
Pike	96.0	12,340	2.27	9.55	166.1	41.00
Webster	231.0	12,367	2.58	7.65	158.6	39.24
Ohio	48.0	12,340	2.27	9.55	166.1	41.00
Jackson	48.0	12,340	2.27	9.55	166.1	41.00
West Virginia	118.8	12,246	2.45	6.87	177.8	43.54
Logan	118.8	12,246	2.45	6.87	177.8	43.54
Missouri Public Service Comm Sibley	**671.2**	**10,958**	**3.11**	**10.40**	**161.3**	**35.36**
Illinois	671.2	10,958	3.11	10.40	161.3	35.36
Perry	528.9	10,948	3.18	10.62	170.5	37.33
Randolph	142.3	10,997	2.88	9.57	127.5	28.04
Monongahela Power Co Albright	**954.9**	**12,286**	**1.66**	**13.11**	**98.0**	**24.08**
Maryland	108.3	12,282	1.70	14.02	114.4	28.09
Allegany	7.5	11,445	1.53	12.80	76.2	17.44
Garrett	100.8	12,344	1.71	14.11	117.0	28.89
West Virginia	846.6	12,287	1.65	12.99	95.9	23.57
Preston	846.6	12,287	1.65	12.99	95.9	23.57
Monongahela Power Co Ft Martin	**2,910.9**	**12,489**	**1.76**	**11.30**	**142.9**	**35.70**
Kentucky	691.7	12,372	.81	8.98	183.3	45.36
Martin	691.7	12,372	.81	8.98	183.3	45.36
Maryland	224.0	12,640	1.61	12.92	130.2	32.92
Garrett	224.0	12,640	1.61	12.92	130.2	32.92
Pennsylvania	30.2	13,126	1.56	7.54	129.2	33.92
Fayette	3.4	12,455	1.14	11.30	118.3	29.47
Greene	26.9	13,211	1.61	7.07	130.5	34.48
West Virginia	1,964.9	12,503	2.11	11.98	130.5	32.64
Kanawha	7.5	12,119	.84	13.03	122.2	29.61
Marion	4.7	13,414	2.09	7.30	130.5	35.01
Monongalia	1,811.7	12,538	2.19	11.90	129.2	32.39
Nicholas	130.2	12,042	1.02	13.11	154.3	37.16
Preston	10.9	11,958	2.00	13.53	87.5	20.94
Monongahela Power Co Harrison	**4,596.8**	**13,186**	**2.91**	**7.58**	**138.7**	**36.58**
West Virginia	4,596.8	13,186	2.91	7.58	138.7	36.58
Harrison	3,133.0	13,201	3.05	7.57	140.1	36.99
Lewis	470.3	13,062	2.64	7.90	135.3	35.34
Marion	302.8	13,214	2.74	7.53	140.1	37.02
Monongalia	690.7	13,185	2.51	7.46	134.1	35.36
Monongahela Power Co Pleasants	**3,627.0**	**12,201**	**2.73**	**12.71**	**117.4**	**28.66**
Ohio	24.6	11,532	3.32	10.63	89.0	20.52
Athens	9.5	11,454	3.20	12.14	74.9	17.15
Jackson	15.1	11,580	3.40	9.68	97.8	22.65
Pennsylvania	112.3	12,074	2.48	13.27	89.0	21.48
Fayette	19.7	11,712	2.39	16.53	91.5	21.43
Greene	67.2	12,283	2.33	12.15	90.0	22.12
Washington	17.8	11,653	3.15	13.63	78.3	18.24
Westmoreland	7.6	12,150	2.51	13.90	96.9	23.55
West Virginia	3,490.2	12,210	2.73	12.71	118.5	28.94
Barbour	686.9	12,051	2.44	13.65	138.4	33.36
Fayette	73.7	12,050	1.39	13.24	83.9	20.22
Harrison	565.4	12,420	3.16	11.46	120.6	29.95

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Monongahela Power Co Pleasants						
West Virginia						
Lewis	195.0	12,503	3.19	12.12	128.4	32.12
Marion	215.5	12,744	2.85	9.77	124.7	31.79
Marshall	15.4	11,845	3.97	12.20	87.9	20.82
Mason	107.1	11,648	2.85	12.03	98.9	23.04
Monongalia	1,130.2	12,249	2.99	13.18	103.9	25.45
Nicholas	317.8	11,883	1.54	12.94	139.0	33.04
Preston	155.8	11,940	2.60	14.31	104.4	24.94
Upshur	27.3	12,146	3.25	12.70	95.7	23.25
Monongahela Power Co Rivesville	**292.7**	**12,433**	**.92**	**12.96**	**108.1**	**26.89**
Pennsylvania	4.2	11,810	1.04	13.80	90.9	21.46
Washington	4.2	11,810	1.04	13.80	90.9	21.46
West Virginia	288.5	12,442	.92	12.94	108.4	26.97
Marion	.6	13,305	1.47	8.20	84.4	22.46
Monongalia	46.1	12,395	.94	12.26	105.2	26.09
Nicholas	24.7	12,247	.94	13.27	125.8	30.83
Preston	187.0	12,485	.90	13.09	106.8	26.68
Webster	30.1	12,391	.95	12.91	109.0	27.01
Monongahela Power Co Willow Island	**438.1**	**12,539**	**1.36**	**9.03**	**111.9**	**28.06**
Maryland	12.2	12,785	1.43	9.30	131.8	33.70
Garrett	12.2	12,785	1.43	9.30	131.8	33.70
Ohio	76.3	11,825	1.30	9.03	104.7	24.76
Athens	76.3	11,825	1.30	9.03	104.7	24.76
Pennsylvania	75.9	13,025	1.28	7.08	114.3	29.77
Fayette	17.3	12,030	1.49	10.78	98.5	23.70
Washington	58.6	13,319	1.21	5.99	118.5	31.57
West Virginia	273.6	12,593	1.39	9.56	112.2	28.25
Barbour	126.5	13,114	1.55	7.31	119.0	31.21
Harrison	.1	12,692	3.23	10.40	135.3	34.34
Monongalia	13.0	11,428	1.48	16.71	88.5	20.23
Nicholas	126.3	12,208	1.21	11.00	107.3	26.20
Preston	7.6	12,307	1.61	10.77	108.8	26.78
Montana Power Co Colstrip	**6,721.0**	**8,647**	**.62**	**8.95**	**61.5**	**10.63**
Montana	6,721.0	8,647	.62	8.95	61.5	10.63
Rosebud	6,721.0	8,647	.62	8.95	61.5	10.63
Montana Power Co Corette	**655.0**	**8,668**	**.58**	**7.82**	**84.8**	**14.71**
Montana	655.0	8,668	.58	7.82	84.8	14.71
Rosebud	655.0	8,668	.58	7.82	84.8	14.71
Montana-Dakota Utilities Co Coyote	**1,974.7**	**6,894**	**.96**	**8.18**	**83.3**	**11.48**
North Dakota	1,974.7	6,894	.96	8.18	83.3	11.48
Mercer	431.6	6,902	.99	8.24	83.1	11.47
Oliver	1,543.1	6,892	.95	8.16	83.3	11.49
Montana-Dakota Utilities Co Heskett	**256.3**	**6,979**	**.93**	**8.78**	**111.9**	**15.62**
North Dakota	256.3	6,979	.93	8.78	111.9	15.62
Mercer	76.4	7,002	.93	8.70	111.5	15.62
Oliver	179.9	6,970	.92	8.81	112.1	15.62
Montana-Dakota Utilities Co Lewis and Clark	**219.6**	**6,608**	**.59**	**7.80**	**116.9**	**15.45**
Montana	219.6	6,608	.59	7.80	116.9	15.45
Richland	219.6	6,608	.59	7.80	116.9	15.45
Montaup Electric Co Somerset	**505.8**	**13,373**	**1.17**	**6.92**	**169.3**	**45.27**
Virginia	505.8	13,373	1.17	6.92	169.3	45.27
Buchanan	505.8	13,373	1.17	6.92	169.3	45.27
Muscatine City of Muscatine	**486.3**	**11,313**	**3.06**	**6.16**	**202.0**	**45.70**
Illinois	486.3	11,313	3.06	6.16	202.0	45.70
Perry	100.4	11,163	3.06	9.47	192.9	43.06
Schuyler	385.9	11,352	3.06	5.29	204.3	46.39
Nebraska Public Power District Gerald Gentleman	**2,715.8**	**8,898**	**.36**	**4.97**	**102.5**	**18.24**
Wyoming	2,715.8	8,898	.36	4.97	102.5	18.24
Campbell	2,715.8	8,898	.36	4.97	102.5	18.24
Nebraska Public Power District Sheldon	**195.9**	**8,809**	**.50**	**5.56**	**121.7**	**21.44**
Montana	.5	9,630	.25	3.70	175.3	33.76
Big Horn	.5	9,630	.25	3.70	175.3	33.76
Wyoming	195.4	8,807	.50	5.56	121.5	21.41
Campbell	164.2	8,382	.46	5.40	104.2	17.47
Carbon	31.2	11,043	.71	6.44	190.8	42.15

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Nevada Power Co Gardner	**1,497.6**	**11,911**	**0.53**	**8.79**	**202.5**	**48.24**
Utah	1,497.6	11,911	.53	8.79	202.5	48.24
Carbon	1,497.6	11,911	.53	8.79	202.5	48.24
New England Power Co Brayton	**2,336.9**	**13,049**	**1.14**	**8.47**	**157.6**	**41.13**
Kentucky	21.0	12,838	.81	9.65	152.4	39.13
Boyd	3.0	12,817	.76	9.91	151.9	38.94
Pike	18.0	12,841	.81	9.61	152.5	39.16
Maryland	78.3	13,171	1.24	8.89	146.9	38.69
Garrett	78.3	13,171	1.24	8.89	146.9	38.69
Pennsylvania	106.4	13,209	1.18	7.13	159.6	42.15
Greene	6.0	13,259	1.60	5.60	152.8	40.51
Somerset	39.4	12,904	.98	9.14	164.2	42.38
Washington	61.0	13,401	1.26	5.99	157.3	42.16
Virginia	919.4	13,096	1.18	7.62	161.9	42.39
Buchanan	715.2	13,105	1.19	7.43	165.1	43.27
Wise	204.2	13,062	1.15	8.28	150.5	39.31
West Virginia	1,182.8	13,021	1.11	9.23	155.4	40.48
Barbour	30.3	12,983	1.33	9.48	152.5	39.59
Grant	79.9	13,054	1.13	9.26	150.9	39.39
Mcdowell	137.6	12,901	.85	9.36	152.2	39.28
Mingo	32.0	12,836	.78	8.62	151.0	38.78
Nicholas	170.9	13,074	1.14	9.12	157.4	41.17
Preston	115.0	13,069	1.26	8.86	155.3	40.61
Randolph	420.9	13,067	1.16	9.26	156.1	40.80
Upshur	3.6	12,894	.96	12.10	149.6	38.58
Webster	101.3	13,018	1.27	9.45	155.8	40.55
Wyoming	29.0	12,843	.81	9.65	151.0	38.79
Imported	29.0	11,928	.72	7.15	132.5	31.61
Imported Coal	29.0	11,928	.72	7.15	132.5	31.61
New England Power Co Salem Harbor	**654.1**	**13,151**	**1.20**	**7.89**	**161.5**	**42.49**
Pennsylvania	137.1	13,265	1.31	6.03	159.7	42.36
Greene	34.0	13,259	1.60	5.60	156.1	41.39
Washington	103.1	13,267	1.22	6.17	160.8	42.68
Virginia	279.9	13,073	1.16	7.79	166.4	43.52
Buchanan	204.9	13,116	1.18	7.49	170.2	44.65
Wise	75.0	12,955	1.11	8.61	156.0	40.42
West Virginia	237.1	13,176	1.18	9.07	156.9	41.34
Nicholas	27.0	13,160	1.00	8.31	158.6	41.76
Preston	24.0	13,130	1.32	8.61	156.6	41.13
Randolph	163.1	13,200	1.22	9.23	156.6	41.33
Webster	23.0	13,078	.94	9.37	157.3	41.14
New York State Elec & Gas Corp Goudey	**347.6**	**12,270**	**1.78**	**13.15**	**140.1**	**34.39**
Pennsylvania	347.6	12,270	1.78	13.15	140.1	34.39
Cambria	41.8	12,487	1.69	12.26	143.0	35.71
Centre	21.6	12,287	1.86	15.16	141.6	34.79
Clarion	30.6	12,719	1.70	10.37	141.1	35.89
Clearfield	223.2	12,187	1.85	13.34	139.5	34.00
Fayette	3.7	12,037	1.94	13.20	136.2	32.79
Indiana	7.3	12,004	1.85	13.76	141.3	33.94
Jefferson	3.8	12,152	1.88	12.50	136.5	33.17
Lycoming	9.8	12,205	.77	15.48	147.0	35.88
Somerset	5.8	12,111	1.52	14.84	125.2	30.33
New York State Elec & Gas Corp Greenidge	**334.2**	**12,352**	**1.88**	**12.25**	**139.9**	**34.55**
Pennsylvania	334.2	12,352	1.88	12.25	139.9	34.55
Cambria	13.8	12,451	1.72	11.83	142.3	35.44
Centre	7.3	12,334	1.81	13.41	135.9	33.52
Clarion	50.5	12,614	1.87	10.91	140.9	35.56
Clearfield	230.0	12,339	1.92	12.35	140.2	34.59
Elk	4.0	11,501	1.26	12.70	141.7	32.59
Fayette	10.6	11,852	1.79	13.70	136.4	32.33
Indiana	7.2	12,123	1.91	14.18	141.4	34.27
Jefferson	4.2	12,359	1.84	11.30	136.5	33.74
Somerset	6.6	12,170	1.51	14.46	125.3	30.49
New York State Elec & Gas Corp Hickling	**259.0**	**11,340**	**.98**	**20.16**	**148.5**	**33.68**
Pennsylvania	259.0	11,340	.98	20.16	148.5	33.68
Centre	2.7	10,806	1.20	24.40	133.3	28.81
Clearfield	15.0	10,831	1.05	13.09	137.5	29.79
Lycoming	63.6	11,293	.79	20.36	149.6	33.79
Tioga	177.7	11,407	1.04	20.62	149.2	34.04
New York State Elec & Gas Corp Jennison	**203.9**	**11,127**	**.92**	**21.68**	**172.8**	**38.45**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
New York State Elec & Gas Corp Jennison						
Pennsylvania	203.9	11,127	0.92	21.68	172.8	38.45
Lycoming	81.4	11,085	.83	22.25	172.3	38.20
Tioga	122.5	11,155	.97	21.31	173.1	38.62
New York State Elec & Gas Corp Milliken	**840.1**	**12,260**	**1.77**	**12.49**	**155.1**	**38.04**
Maryland	7.6	13,417	1.60	9.60	137.8	36.98
Garrett	7.6	13,417	1.60	9.60	137.8	36.98
Pennsylvania	832.5	12,249	1.78	12.52	155.3	38.05
Armstrong	7.1	12,663	1.66	10.40	146.0	36.98
Cambria	119.1	12,405	1.92	13.07	149.4	37.08
Clarion	80.5	12,481	1.78	11.07	147.1	36.71
Clearfield	507.5	12,189	1.72	12.42	158.4	38.62
Fayette	14.8	11,864	1.88	13.79	142.7	33.86
Indiana	90.4	12,157	1.89	13.97	157.4	38.27
Washington	7.0	13,166	1.44	6.40	147.3	38.79
Westmoreland	6.1	11,963	2.06	13.40	146.2	34.98
New York State Elec & Gas Corp Somerset	**1,982.3**	**12,938**	**2.40**	**9.04**	**153.4**	**39.70**
West Virginia	1,982.3	12,938	2.40	9.04	153.4	39.70
Monongalia	1,982.3	12,938	2.40	9.04	153.4	39.70
Niagara-Mohawk Power Corp Dunkirk	**1,304.0**	**12,845**	**2.09**	**8.64**	**141.4**	**36.32**
Pennsylvania	962.0	12,734	1.98	8.92	137.8	35.08
Armstrong	16.0	12,963	2.47	7.24	135.9	35.23
Butler	294.0	12,713	1.99	7.94	135.0	34.32
Clarion	308.0	12,793	1.96	7.91	132.9	34.00
Elk	3.0	12,422	1.69	10.60	133.6	33.19
Jefferson	341.0	12,690	1.98	10.75	144.7	36.73
West Virginia	342.0	13,160	2.40	7.83	151.3	39.82
Monongalia	335.0	13,176	2.40	7.72	151.6	39.95
Preston	7.0	12,392	2.46	13.30	134.3	33.28
Niagara-Mohawk Power Corp Huntley	**1,593.0**	**13,155**	**1.65**	**7.05**	**151.4**	**39.83**
Kentucky	7.0	13,273	.86	5.40	183.6	48.74
Knott	7.0	13,273	.86	5.40	183.6	48.74
Ohio	88.0	12,932	1.58	8.16	146.9	38.00
Columbiana	88.0	12,932	1.58	8.16	146.9	38.00
Pennsylvania	1,427.0	13,172	1.65	6.95	151.6	39.93
Butler	457.0	13,061	1.69	6.00	147.1	38.43
Clearfield	51.0	12,700	1.48	11.64	147.1	37.36
Elk	14.0	12,454	1.69	10.16	146.6	36.51
Fayette	35.0	12,882	1.70	10.82	147.1	37.90
Greene	662.0	13,332	1.69	7.00	156.4	41.70
Jefferson	57.0	13,069	1.72	9.04	151.5	39.61
Washington	151.0	13,138	1.40	6.04	146.7	38.54
West Virginia	71.0	13,076	1.70	7.75	150.0	39.22
Marion	7.0	12,159	1.28	12.30	140.9	34.26
Monongalia	7.0	13,118	2.08	6.80	161.2	42.29
Upshur	57.0	13,183	1.71	7.31	149.6	39.45
Northern Indiana Pub Serv Co Bailly	**1,098.9**	**11,429**	**2.69**	**9.13**	**146.0**	**33.38**
Illinois	1,006.3	11,352	2.66	9.12	147.7	33.53
Franklin	485.1	11,666	2.32	8.26	131.6	30.70
Perry	475.2	11,036	3.02	9.78	165.6	36.54
Saline	36.3	11,216	2.49	12.30	146.0	32.76
White	9.7	11,638	2.66	8.30	130.9	30.47
Indiana	31.8	11,581	3.13	8.90	126.2	29.22
Pike	27.0	11,506	3.53	8.70	131.0	30.15
Unknown	4.8	12,000	.90	10.00	100.0	24.00
Kentucky	44.7	12,600	3.00	9.00	131.9	33.24
Webster	44.7	12,600	3.00	9.00	131.9	33.24
West Virginia	16.1	12,718	3.09	10.10	127.7	32.48
Barbour	16.1	12,718	3.09	10.10	127.7	32.48
Northern Indiana Pub Serv Co Michigan City	**1,355.3**	**11,178**	**2.72**	**9.13**	**164.5**	**36.77**
Illinois	1,133.7	11,193	2.87	9.11	169.5	37.93
Franklin	84.5	11,699	2.45	8.13	131.4	30.74
Perry	875.8	11,055	2.93	9.40	181.4	40.10
White	173.4	11,643	2.81	8.11	130.9	30.49
Indiana	207.4	10,949	1.98	9.39	137.1	30.03
Sullivan	207.4	10,949	1.98	9.39	137.1	30.03
Virginia	7.1	13,741	.86	5.30	181.9	49.99
Buchanan	7.1	13,741	.86	5.30	181.9	49.99
West Virginia	7.1	12,869	2.02	8.50	135.3	34.82
Barbour	7.1	12,869	2.02	8.50	135.3	34.82
Northern Indiana Pub Serv Co Mitchell	**429.3**	**12,182**	**.65**	**6.59**	**159.8**	**38.93**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Northern Indiana Pub Serv Co Mitchell						
Kentucky	135.9	12,675	0.63	7.48	171.9	43.58
Harlan	135.9	12,675	.63	7.48	171.9	43.58
Virginia	84.8	13,514	.80	8.05	168.7	45.59
Tazewell	74.6	13,448	.79	8.47	167.3	44.99
Unknown	10.2	14,000	.85	5.00	178.5	49.98
West Virginia	96.2	13,366	.79	6.32	164.7	44.04
Boone	67.7	13,455	.82	6.00	163.5	44.01
Logan	28.5	13,155	.71	7.09	167.6	44.10
Wyoming	112.4	9,568	.44	4.63	125.0	23.92
Campbell	73.1	8,624	.37	4.65	111.9	19.30
Carbon	39.3	11,324	.59	4.60	143.6	32.52
Northern Indiana Pub Serv Co Rollin Schahfer	**2,179.3**	**11,519**	**2.36**	**9.11**	**192.3**	**44.31**
Colorado	323.6	11,187	.45	7.53	288.9	64.63
Delta	323.6	11,187	.45	7.53	288.9	64.63
Illinois	1,461.5	10,958	3.21	10.46	179.0	39.23
Perry	1,461.5	10,958	3.21	10.46	179.0	39.23
Kentucky	63.5	13,164	.72	4.60	201.4	53.03
Unknown	63.5	13,164	.72	4.60	201.4	53.03
Virginia	277.2	14,044	.82	5.44	158.9	44.64
Buchanan	277.2	14,044	.82	5.44	158.9	44.64
West Virginia	53.5	13,796	.68	6.36	174.3	48.09
Mcdowell	53.5	13,796	.68	6.36	174.3	48.09
Northern States Power Co Black Dog	**415.9**	**8,813**	**.25**	**4.87**	**107.1**	**18.88**
Wyoming	415.9	8,813	.25	4.87	107.1	18.88
Campbell	291.3	8,802	.24	4.71	103.4	18.21
Converse	124.6	8,839	.27	5.26	115.6	20.44
Northern States Power Co High Bridge	**547.3**	**8,808**	**.26**	**5.03**	**93.9**	**16.54**
Montana	5.3	8,678	.61	9.10	100.6	17.46
Rosebud	5.3	8,678	.61	9.10	100.6	17.46
Wyoming	542.0	8,810	.25	4.99	93.8	16.53
Campbell	320.8	8,796	.24	4.67	89.6	15.76
Converse	221.2	8,830	.27	5.46	100.0	17.65
Northern States Power Co King	**1,698.6**	**8,790**	**.28**	**4.97**	**117.6**	**20.68**
Montana	77.0	8,686	.66	8.38	104.6	18.17
Rosebud	77.0	8,686	.66	8.38	104.6	18.17
Wyoming	1,621.6	8,794	.26	4.80	118.3	20.80
Campbell	800.3	8,785	.24	4.56	119.2	20.94
Converse	821.3	8,804	.28	5.05	117.4	20.67
Northern States Power Co Riverside	**693.4**	**8,812**	**.26**	**4.84**	**103.4**	**18.22**
Montana	6.2	8,681	.61	9.10	100.2	17.40
Rosebud	6.2	8,681	.61	9.10	100.2	17.40
Wyoming	687.2	8,813	.26	4.80	103.4	18.23
Campbell	402.7	8,792	.25	4.66	103.2	18.14
Converse	284.5	8,843	.27	4.99	103.8	18.35
Northern States Power Co Sherburne County	**5,964.6**	**8,683**	**.51**	**7.37**	**113.8**	**19.76**
Montana	3,576.7	8,657	.67	9.12	113.5	19.64
Big Horn	1,536.6	8,635	.65	9.55	117.1	20.23
Rosebud	2,040.1	8,674	.69	8.80	110.7	19.21
Wyoming	2,387.9	8,721	.26	4.75	114.3	19.94
Campbell	1,949.1	8,795	.24	4.57	114.7	20.18
Converse	438.8	8,396	.37	5.55	112.4	18.88
Ohio Edison Co Burger	**1,267.1**	**12,085**	**2.87**	**11.50**	**121.4**	**29.34**
Kentucky	7.6	12,202	.83	12.10	121.4	29.63
Johnson	7.6	12,202	.83	12.10	121.4	29.63
Ohio	1,259.5	12,084	2.88	11.49	121.4	29.34
Athens	7.9	11,381	3.07	12.60	92.7	21.11
Belmont	420.1	12,090	3.21	11.00	105.5	25.50
Harrison	276.6	12,232	2.64	11.28	132.1	32.32
Hocking	26.0	11,768	3.12	12.07	103.3	24.31
Jefferson	475.2	12,081	2.64	12.11	133.0	32.14
Perry	3.1	10,966	3.48	11.50	96.2	21.10
Stark	11.7	11,411	4.44	12.00	110.2	25.15
Tuscarawas	32.4	11,643	3.44	9.76	95.0	22.13
Vinton	6.5	11,686	2.44	11.18	94.5	22.09
Ohio Edison Co Edgewater	**206.1**	**12,036**	**1.70**	**9.74**	**141.4**	**34.03**
Ohio	206.1	12,036	1.70	9.74	141.4	34.03
Columbiana	38.8	12,121	1.63	8.96	145.9	35.37
Guernsey	40.6	11,734	1.78	11.07	138.5	32.50
Harrison	16.9	11,983	2.66	12.41	139.8	33.51

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Ohio Edison Co Edgewater						
Ohio						
Jefferson	19.3	12,053	1.56	10.59	145.0	34.97
Mahoning	54.6	12,356	1.50	8.16	137.8	34.05
Stark	3.1	11,616	1.84	8.59	152.7	35.49
Tuscarawas	32.8	11,831	1.57	9.90	143.4	33.93
Ohio Edison Co Gorge Steam	**105.9**	**12,197**	**2.05**	**9.00**	**133.6**	**32.59**
Ohio	105.9	12,197	2.05	9.00	133.6	32.59
Columbiana	27.9	12,344	2.03	8.67	138.3	34.16
Jefferson	30.1	12,003	2.02	10.34	131.2	31.50
Mahoning	23.7	12,508	2.01	8.66	130.1	32.56
Perry	10.5	12,185	2.32	6.54	126.2	30.75
Stark	7.9	12,111	2.17	8.18	143.4	34.74
Tuscarawas	5.8	11,363	1.95	10.58	137.5	31.26
Ohio Edison Co Niles	**626.9**	**11,883**	**3.17**	**11.24**	**107.9**	**25.64**
Ohio	297.9	11,866	3.28	10.27	109.8	26.06
Columbiana	59.9	12,081	2.92	10.46	108.2	26.14
Jefferson	39.3	12,038	3.10	10.73	111.8	26.91
Mahoning	42.7	12,080	3.09	11.24	106.6	25.76
Stark	111.5	11,751	3.58	9.80	110.9	26.06
Tuscarawas	44.5	11,507	3.35	9.84	110.8	25.50
Pennsylvania	329.0	11,898	3.08	12.11	106.2	25.27
Beaver	67.4	11,950	2.96	10.93	109.5	26.16
Butler	129.4	12,018	3.34	11.50	106.4	25.58
Lawrence	132.2	11,753	2.87	13.31	104.2	24.50
Ohio Edison Co Sammis	**4,983.0**	**12,292**	**1.68**	**11.15**	**132.8**	**32.65**
Kentucky	460.6	11,934	.81	11.26	122.9	29.32
Carter	103.3	11,678	.82	10.86	125.1	29.22
Floyd	44.0	11,938	.90	11.53	127.0	30.32
Johnson	128.4	12,070	.76	11.29	122.2	29.50
Magoffin	118.0	11,807	.84	11.91	122.5	28.94
Martin	16.6	11,935	.68	9.18	107.6	25.69
Pike	50.3	12,406	.80	10.96	122.1	30.29
Ohio	1,461.5	12,101	2.42	11.27	124.0	30.02
Belmont	29.5	12,032	3.01	9.50	103.2	24.83
Carroll	62.9	12,028	1.11	10.02	122.9	29.56
Columbiana	366.9	12,215	2.54	10.82	113.5	27.74
Harrison	81.5	11,944	2.89	11.89	108.0	25.80
Jefferson	879.9	12,093	2.36	11.56	131.7	31.85
Stark	3.4	11,765	3.99	11.20	105.2	24.75
Tuscarawas	37.4	11,722	3.33	11.10	101.5	23.80
Pennsylvania	2,075.6	12,509	1.75	11.05	142.7	35.70
Fayette	2,075.6	12,509	1.75	11.05	142.7	35.70
West Virginia	985.3	12,264	.83	11.12	128.9	31.67
Boone	35.0	12,644	.80	8.54	125.8	31.82
Kanawha	502.6	12,394	.76	10.72	138.1	34.22
Logan	202.8	12,002	.92	12.82	118.4	28.42
Mingo	114.1	12,220	.87	10.60	118.5	28.96
Nicholas	125.6	12,278	.92	11.12	119.5	29.33
Preston	5.2	11,808	1.13	12.48	114.8	27.10
Ohio Edison Co Toronto	**358.5**	**11,804**	**3.69**	**12.28**	**103.2**	**24.37**
Ohio	356.6	11,801	3.69	12.29	103.0	24.31
Belmont	52.8	12,059	4.13	11.88	90.6	21.86
Carroll	37.7	11,627	4.67	11.74	105.8	24.61
Columbiana	69.2	11,827	3.32	12.25	107.5	25.42
Guernsey	.8	11,111	3.62	14.90	114.8	25.51
Jefferson	157.9	11,832	3.38	12.83	103.6	24.51
Mahoning	1.7	11,474	3.98	12.65	95.2	21.84
Stark	33.3	11,492	4.08	10.84	107.4	24.67
Tuscarawas	3.2	11,013	4.22	14.42	111.8	24.63
Pennsylvania	1.9	12,432	2.30	10.63	143.4	35.67
Fayette	1.9	12,432	2.30	10.63	143.4	35.67
Ohio Power Co Gavin	**5,376.6**	**11,260**	**3.42**	**11.97**	**192.6**	**43.38**
Ohio	5,375.7	11,260	3.42	11.97	192.6	43.38
Belmont	185.2	11,573	2.72	13.26	173.1	40.05
Gallia	68.1	11,721	3.17	8.14	166.8	39.10
Lawrence	61.1	11,749	3.23	8.22	168.4	39.58
Meigs	4,956.7	11,232	3.48	12.05	194.8	43.77
Perry	104.6	11,452	2.10	10.43	156.9	35.94
West Virginia	.9	11,305	.76	17.00	148.4	33.55
Kanawha	.9	11,305	.76	17.00	148.4	33.55
Ohio Power Co Kammer	**2,148.0**	**11,943**	**4.26**	**13.51**	**121.7**	**29.08**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Ohio Power Co Kammer						
Virginia	23.7	13,623	0.77	7.60	137.3	37.41
Buchanan	23.7	13,623	.77	7.60	137.3	37.41
West Virginia	2,124.3	11,924	4.30	13.58	121.5	28.98
Brooke	54.3	11,929	3.44	13.31	102.1	24.36
Marshall	2,070.0	11,924	4.32	13.59	122.0	29.11
Ohio Power Co Mitchell	**2,995.2**	**11,853**	**1.38**	**16.01**	**170.5**	**40.42**
West Virginia	2,995.2	11,853	1.38	16.01	170.5	40.42
Marion	2,863.6	11,830	1.37	16.11	173.3	41.00
Preston	131.6	12,363	1.68	13.82	112.8	27.88
Ohio Power Co Muskingum	**3,576.5**	**11,466**	**4.58**	**12.14**	**161.6**	**37.06**
Ohio	3,576.5	11,466	4.58	12.14	161.6	37.06
Muskingum	393.4	11,466	4.58	12.14	161.6	37.06
Noble	3,183.1	11,466	4.58	12.14	161.6	37.06
Ohio Valley Electric Corp Kyger Creek	**3,387.0**	**11,931**	**3.55**	**9.92**	**138.9**	**33.14**
Ohio	1,089.0	11,137	3.28	11.57	99.3	22.12
Hocking	711.0	11,030	3.21	12.11	99.8	22.02
Jackson	240.0	11,372	3.41	10.38	95.8	21.79
Lawrence	35.0	11,168	3.35	11.49	103.3	23.08
Vinton	103.0	11,311	3.40	10.64	103.0	23.30
West Virginia	2,298.0	12,308	3.68	9.14	155.8	38.36
Marshall	2,298.0	12,308	3.68	9.14	155.8	38.36
Oklahoma Gas & Electric Co Muskogee	**3,437.1**	**9,156**	**.43**	**5.18**	**145.6**	**26.65**
Oklahoma	199.2	13,174	1.63	8.97	137.9	36.33
Haskell	140.8	13,229	1.80	9.16	133.1	35.22
Le Flore	41.1	13,021	1.42	9.45	148.8	38.75
Mcintosh	15.8	13,066	.73	6.50	151.3	39.54
Wagoner	1.5	13,405	.56	3.79	150.8	40.44
Wyoming	3,237.9	8,909	.36	4.95	146.3	26.06
Campbell	3,237.9	8,909	.36	4.95	146.3	26.06
Oklahoma Gas & Electric Co Sooner	**2,632.4**	**9,209**	**.38**	**4.98**	**161.6**	**29.76**
Oklahoma	170.6	13,145	.77	5.83	165.0	43.38
Haskell	51.1	13,717	.86	6.25	170.9	46.87
Muskogee	46.9	12,871	.90	4.39	158.1	40.69
Rogers	72.7	12,919	.63	6.47	165.1	42.66
Wyoming	2,461.8	8,936	.35	4.92	161.2	28.81
Campbell	2,461.8	8,936	.35	4.92	161.2	28.81
Omaha Public Power District Nebraska City	**1,892.4**	**8,289**	**.31**	**4.92**	**68.9**	**11.41**
Wyoming	1,892.4	8,289	.31	4.92	68.9	11.41
Campbell	1,892.4	8,289	.31	4.92	68.9	11.41
Omaha Public Power District North Omaha	**1,015.9**	**8,292**	**.35**	**5.21**	**73.8**	**12.24**
Wyoming	1,015.9	8,292	.35	5.21	73.8	12.24
Campbell	1,015.9	8,292	.35	5.21	73.8	12.24
Orange and Rockland Utils Inc Lovett	**151.2**	**13,216**	**.54**	**7.34**	**203.8**	**53.87**
Kentucky	60.9	13,490	.50	6.56	201.7	54.41
Pike	60.9	13,490	.50	6.56	201.7	54.41
West Virginia	90.3	13,030	.57	7.87	205.3	53.50
Mingo	90.3	13,030	.57	7.87	205.3	53.50
Orlando Utilities Comm Stanton Energy	**538.1**	**13,396**	**.97**	**6.30**	**189.2**	**50.68**
Kentucky	538.1	13,396	.97	6.30	189.2	50.68
Letcher	538.1	13,396	.97	6.30	189.2	50.68
Otter Tail Power Co Big Stone	**741.0**	**6,062**	**.87**	**8.22**	**123.4**	**14.95**
North Dakota	741.0	6,062	.87	8.22	123.4	14.95
Bowman	741.0	6,062	.87	8.22	123.4	14.95
Otter Tail Power Co Hoot Lake	**48.0**	**7,004**	**.99**	**7.80**	**176.1**	**24.66**
North Dakota	48.0	7,004	.99	7.80	176.1	24.66
Mercer	5.5	6,969	.88	7.06	190.3	26.52
Oliver	42.5	7,008	1.00	7.90	174.3	24.42
Owensboro City of Smith	**695.9**	**10,823**	**2.96**	**11.40**	**135.2**	**29.26**
Kentucky	695.9	10,823	2.96	11.40	135.2	29.26
Daviess	545.0	10,810	2.97	11.46	134.5	29.07
Hancock	150.9	10,871	2.92	11.18	137.7	29.93
Pacific Power & Light Co Centralia	**4,479.0**	**8,104**	**.69**	**14.43**	**167.1**	**27.08**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pacific Power & Light Co Centralia						
Washington	4,404.0	8,100	0.69	14.57	167.8	27.18
Lewis	2,202.0	8,100	.69	14.57	167.8	27.18
Thurston	2,202.0	8,100	.69	14.57	167.8	27.18
Wyoming	75.0	8,342	.34	6.23	126.9	21.17
Campbell	75.0	8,342	.34	6.23	126.9	21.17
Pacific Power & Light Co Jim Bridger	**6,869.0**	**9,602**	**.67**	**9.38**	**103.2**	**19.81**
Wyoming	6,869.0	9,602	.67	9.38	103.2	19.81
Sweetwater	6,869.0	9,602	.67	9.38	103.2	19.81
Pacific Power & Light Co Johnston	**2,811.0**	**7,655**	**.43**	**9.87**	**71.6**	**10.96**
Wyoming	2,811.0	7,655	.43	9.87	71.6	10.96
Campbell	231.0	8,450	.31	5.27	64.6	10.92
Converse	2,580.0	7,584	.44	10.28	72.3	10.96
Pacific Power & Light Co Wyodak	**1,833.0**	**8,050**	**.57**	**6.94**	**52.4**	**8.44**
Wyoming	1,833.0	8,050	.57	6.94	52.4	8.44
Campbell	1,833.0	8,050	.57	6.94	52.4	8.44
Painesville City of Painesville	**92.1**	**12,420**	**2.33**	**8.10**	**130.2**	**32.34**
Ohio	82.0	12,396	2.35	7.86	129.9	32.21
Mahoning	82.0	12,396	2.35	7.86	129.9	32.21
Pennsylvania	10.0	12,621	2.12	10.04	132.4	33.42
Clarion	10.0	12,621	2.12	10.04	132.4	33.42
Pennsylvania Electric Co Conemaugh	**4,078.0**	**12,406**	**2.30**	**14.77**	**146.2**	**36.28**
Pennsylvania	4,078.0	12,406	2.30	14.77	146.2	36.28
Armstrong	21.0	12,480	2.11	12.14	111.5	27.82
Cambria	141.0	12,602	2.08	11.62	112.3	28.31
Clearfield	50.0	12,321	2.15	13.59	110.4	27.21
Fayette	94.0	12,324	2.17	13.49	117.3	28.91
Indiana	3,428.0	12,396	2.33	15.14	152.4	37.79
Jefferson	20.0	12,926	2.06	9.62	124.0	32.06
Somerset	83.0	12,349	2.21	13.74	110.8	27.38
Westmoreland	241.0	12,446	2.18	13.24	114.1	28.40
Pennsylvania Electric Co Front St	**207.0**	**12,203**	**1.84**	**10.58**	**131.0**	**31.98**
Pennsylvania	207.0	12,203	1.84	10.58	131.0	31.98
Armstrong	35.0	12,141	1.84	11.87	132.9	32.27
Butler	70.0	12,161	1.93	10.14	128.9	31.34
Clarion	29.0	12,242	1.89	10.67	129.1	31.61
Clearfield	28.0	12,584	1.66	10.52	143.3	36.06
Jefferson	11.0	11,837	1.94	11.23	134.3	31.79
Lawrence	25.0	12,090	1.55	9.37	121.3	29.34
Mercer	9.0	12,231	2.13	11.47	130.5	31.93
Pennsylvania Electric Co Homer City	**5,352.0**	**11,888**	**1.66**	**17.43**	**136.3**	**32.41**
Pennsylvania	5,352.0	11,888	1.66	17.43	136.3	32.41
Armstrong	54.0	11,857	1.68	15.51	111.5	26.45
Butler	14.0	11,974	1.76	13.76	105.0	25.16
Cambria	755.0	12,489	.94	13.97	149.3	37.29
Clearfield	3.0	11,874	1.48	14.10	113.6	26.98
Clinton	16.0	11,924	1.64	14.67	111.9	26.68
Indiana	3,422.0	11,586	1.92	19.69	135.6	31.42
Jefferson	42.0	12,337	.94	10.64	137.6	33.95
Somerset	897.0	12,468	1.35	12.93	134.2	33.46
Washington	13.0	12,129	1.69	14.73	111.7	27.09
Westmoreland	136.0	12,159	1.51	13.30	112.0	27.23
Pennsylvania Electric Co Keystone	**4,679.0**	**12,268**	**1.46**	**15.03**	**123.8**	**30.38**
Pennsylvania	4,679.0	12,268	1.46	15.03	123.8	30.38
Armstrong	2,807.0	12,268	1.46	15.03	123.8	30.38
Indiana	1,872.0	12,268	1.46	15.03	123.8	30.37
Pennsylvania Electric Co Seward	**566.0**	**12,042**	**1.51**	**13.99**	**106.6**	**25.67**
Pennsylvania	566.0	12,042	1.51	13.99	106.6	25.67
Armstrong	13.0	12,053	1.60	13.87	102.7	24.76
Cambria	32.0	11,896	1.49	14.75	106.2	25.27
Clearfield	2.0	11,917	1.56	14.50	106.9	25.48
Indiana	181.0	11,982	1.54	14.27	105.6	25.31
Somerset	286.0	12,077	1.49	13.87	107.4	25.95
Westmoreland	52.0	12,154	1.53	13.24	106.5	25.88
Pennsylvania Electric Co Shawville	**1,538.0**	**12,250**	**1.96**	**13.24**	**118.6**	**29.06**
Pennsylvania	1,538.0	12,250	1.96	13.24	118.6	29.06
Centre	4.0	12,039	1.90	13.00	101.2	24.37
Clearfield	1,534.0	12,251	1.96	13.24	118.7	29.08

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pennsylvania Electric Co Warren	**231.0**	**12,189**	**1.68**	**11.72**	**118.4**	**28.85**
Pennsylvania	231.0	12,189	1.68	11.72	118.4	28.85
Armstrong	32.0	12,047	1.64	13.27	118.7	28.61
Clarion	53.0	12,258	1.67	10.66	117.7	28.85
Clearfield	28.0	12,613	1.80	10.38	121.9	30.75
Elk	8.0	12,037	1.72	13.15	121.6	29.26
Jefferson	110.0	12,099	1.66	12.02	117.4	28.41
Pennsylvania Power & Light Co Martins Creek	**791.0**	**12,602**	**2.01**	**13.11**	**191.9**	**48.37**
Pennsylvania	791.0	12,602	2.01	13.11	191.9	48.37
Indiana	784.0	12,601	2.01	13.12	192.4	48.48
Somerset	7.0	12,658	2.36	12.10	140.2	35.49
Pennsylvania Power & Light Co Montour	**3,685.0**	**12,599**	**1.53**	**13.15**	**163.6**	**41.23**
Pennsylvania	3,685.0	12,599	1.53	13.15	163.6	41.23
Cambria	1,887.0	12,541	1.33	13.49	184.4	46.25
Clarion	21.0	12,680	2.01	10.94	138.4	35.09
Clearfield	1,557.0	12,667	1.71	12.89	141.8	35.93
Indiana	98.0	12,526	2.01	13.31	146.5	36.70
Jefferson	122.0	12,691	1.88	11.46	141.8	35.99
Pennsylvania Power & Light Co Brunner Island	**3,557.0**	**12,510**	**1.92**	**13.28**	**174.7**	**43.72**
Pennsylvania	3,557.0	12,510	1.92	13.28	174.7	43.72
Cambria	31.0	12,643	2.00	11.48	139.2	35.20
Clearfield	1,922.0	12,524	2.06	13.37	171.8	43.02
Indiana	1,580.0	12,482	1.76	13.26	179.7	44.86
Jefferson	10.0	12,689	1.73	11.20	141.1	35.81
Somerset	14.0	13,216	1.38	9.60	128.6	33.99
Pennsylvania Power & Light Co Holtwood	**249.0**	**8,034**	**.61**	**32.91**	**101.2**	**16.26**
Pennsylvania	249.0	8,034	.61	32.91	101.2	16.26
Carbon	20.0	8,490	.56	28.66	121.6	20.65
Dauphin	2.0	11,019	.70	17.60	145.9	32.15
Northumberland	21.0	11,713	1.03	15.38	150.6	35.28
Schuylkill	175.0	7,045	.59	39.03	75.7	10.67
Unknown	29.0	10,573	.46	14.20	144.7	30.60
Pennsylvania Power & Light Co Sunbury	**1,106.0**	**10,492**	**1.26**	**22.34**	**123.3**	**25.87**
Pennsylvania	1,106.0	10,492	1.26	22.34	123.3	25.87
Bedford	15.0	12,788	1.92	13.19	130.3	33.34
Carbon	72.0	7,131	.53	35.85	69.4	9.90
Centre	70.0	12,747	1.88	12.54	130.7	33.32
Clearfield	482.0	12,633	1.87	11.72	152.6	38.55
Fulton	12.0	12,597	1.92	13.46	131.8	33.21
Lycoming	15.0	12,874	.93	13.27	120.9	31.14
Northumberland	20.0	7,429	.61	34.77	62.8	9.33
Schuylkill	409.0	8,114	.56	34.29	79.1	12.84
Somerset	3.0	12,388	1.23	12.77	132.4	32.81
Sullivan	8.0	8,594	.57	35.34	63.1	10.84
Pennsylvania Power Co New Castle	**1,004.3**	**12,272**	**1.36**	**9.74**	**123.7**	**30.36**
Ohio	128.3	12,408	1.50	8.63	116.2	28.83
Columbiana	123.0	12,401	1.49	8.61	116.4	28.87
Jefferson	5.3	12,566	1.62	9.13	110.5	27.78
Pennsylvania	875.9	12,252	1.34	9.90	124.8	30.58
Allegheny	.8	11,966	1.66	11.96	108.3	25.91
Armstrong	267.7	12,193	1.30	11.08	143.1	34.91
Butler	225.3	12,118	1.47	9.39	116.6	28.26
Clarion	36.5	12,593	1.56	8.68	116.9	29.44
Jefferson	.5	11,604	1.30	8.00	115.8	26.87
Lawrence	276.5	12,361	1.25	9.52	117.3	28.99
Mercer	68.1	12,307	1.30	9.13	115.4	28.40
Washington	*	11,606	1.57	13.20	110.5	25.65
Westmoreland	.4	11,797	1.40	7.60	116.5	27.49
Pennsylvania Power Co Bruce Mansfield	**5,761.7**	**12,081**	**3.83**	**11.76**	**145.7**	**35.20**
Ohio	3,397.2	12,077	3.96	11.68	149.8	36.18
Belmont	55.8	11,727	3.36	12.78	107.6	25.23
Carroll	12.9	11,879	4.32	10.74	109.0	25.90
Columbiana	56.9	12,068	3.18	11.04	113.2	27.31
Harrison	12.9	11,872	3.38	9.44	107.4	25.51
Hocking	58.4	11,574	2.85	11.65	110.0	25.47
Jefferson	30.5	11,959	3.61	11.18	106.6	25.50
Mahoning	125.9	12,016	3.52	11.54	136.1	32.70
Monroe	3,029.7	12,099	4.04	11.70	153.6	37.16
Stark	10.5	12,064	2.93	11.28	99.4	23.98
Tuscarawas	3.7	11,556	3.31	10.32	106.7	24.66

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 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Pennsylvania Power Co Bruce Mansfield						
Pennsylvania	711.1	12,090	3.43	12.16	128.1	30.97
Beaver	8.0	12,274	2.99	10.78	107.5	26.40
Butler	458.9	12,063	3.79	11.86	139.6	33.67
Fayette	93.4	12,164	2.48	12.17	109.4	26.61
Lawrence	14.6	12,220	4.09	12.46	107.3	26.22
Mercer	15.2	11,919	2.19	11.63	98.0	23.36
Somerset	47.7	12,297	2.90	14.04	102.1	25.11
Washington	73.3	12,018	2.85	13.05	109.8	26.40
West Virginia	1,653.4	12,086	3.72	11.73	144.8	34.99
Harrison	24.0	12,102	3.91	12.23	99.6	24.10
Marshall	1,273.8	12,041	3.77	11.88	148.5	35.76
Monongalia	355.6	12,244	3.52	11.19	134.6	32.96
Philadelphia Electric Co Cromby	**285.0**	**12,995**	**1.68**	**7.47**	**150.6**	**39.14**
Pennsylvania	200.0	12,919	1.76	7.34	149.3	38.57
Clarion	171.0	12,861	1.84	7.54	148.4	38.18
Washington	29.0	13,263	1.27	6.18	154.1	40.88
West Virginia	85.0	13,174	1.48	7.76	153.7	40.49
Barbour	7.0	13,065	1.44	8.02	153.9	40.21
Monongalia	49.0	13,237	1.61	6.96	155.0	41.03
Preston	7.0	13,230	1.42	8.88	152.7	40.40
Randolph	22.0	13,051	1.21	9.11	150.9	39.39
Philadelphia Electric Co Eddystone	**994.0**	**13,046**	**1.53**	**7.60**	**151.6**	**39.57**
Pennsylvania	424.0	12,851	1.65	7.31	149.7	38.47
Allegheny	7.0	13,220	1.23	7.80	147.4	38.97
Clarion	262.0	12,686	1.83	7.93	145.8	36.98
Greene	7.0	13,184	1.74	8.12	151.4	39.92
Washington	148.0	13,111	1.34	6.16	156.4	41.02
West Virginia	570.0	13,191	1.44	7.82	153.0	40.38
Barbour	205.0	13,313	1.82	7.21	151.6	40.38
Braxton	29.0	13,171	.82	7.56	151.3	39.85
Monongalia	59.0	13,297	1.57	6.87	159.7	42.46
Nicholas	30.0	12,996	.96	8.45	154.8	40.23
Preston	118.0	13,155	1.40	8.79	152.2	40.05
Randolph	7.0	13,219	1.15	7.86	148.3	39.21
Upshur	29.0	12,946	1.85	8.23	149.5	38.70
Webster	93.0	13,047	.82	8.27	154.4	40.30
Plains Elec Gen&Trans Coop Inc Escalante	**611.8**	**9,598**	**.74**	**14.16**	**163.9**	**31.46**
New Mexico	611.8	9,598	.74	14.16	163.9	31.46
Mckinley	611.8	9,598	.74	14.16	163.9	31.46
Platte River Power Authority Rawhide	**1,142.1**	**8,771**	**.27**	**5.09**	**75.8**	**13.30**
Wyoming	1,142.1	8,771	.27	5.09	75.8	13.30
Campbell	33.1	8,730	.19	4.50	73.7	12.87
Converse	1,109.0	8,772	.27	5.11	75.9	13.31
Portland General Electric Co Boardman	**376.7**	**8,484**	**.32**	**4.68**	**140.2**	**23.78**
Wyoming	376.7	8,484	.32	4.68	140.2	23.78
Campbell	376.7	8,484	.32	4.68	140.2	23.78
Potomac Edison Co Smith	**230.8**	**12,554**	**.99**	**11.28**	**124.2**	**31.19**
Maryland	187.0	12,587	.98	10.83	126.8	31.91
Allegany	112.6	12,004	.93	12.45	117.3	28.17
Garrett	74.4	13,468	1.04	8.38	139.5	37.58
Pennsylvania	43.8	12,414	1.03	13.20	113.2	28.11
Bedford	5.3	12,345	1.00	14.62	101.3	25.01
Somerset	38.5	12,423	1.03	13.00	114.9	28.54
Potomac Electric Power Co Chalk	**1,620.7**	**12,526**	**1.73**	**12.33**	**164.2**	**41.12**
Maryland	354.5	12,629	1.62	12.03	159.3	40.24
Allegany	15.0	12,265	1.78	13.69	158.7	38.92
Garrett	339.5	12,645	1.61	11.95	159.3	40.29
Pennsylvania	1,266.2	12,497	1.77	12.42	165.5	41.37
Cambria	489.0	12,487	1.83	12.12	167.9	41.93
Clearfield	429.0	12,434	1.78	12.56	169.4	42.13
Somerset	348.2	12,588	1.66	12.67	157.5	39.65
Potomac Electric Power Co Dickerson	**1,282.2**	**12,647**	**1.47**	**10.40**	**136.8**	**34.59**
West Virginia	1,282.2	12,647	1.47	10.40	136.8	34.59
Preston	1,254.2	12,656	1.48	10.34	136.8	34.63
Randolph	21.0	12,247	1.17	13.00	135.9	33.28
Webster	7.0	12,216	1.55	11.80	127.5	31.15
Potomac Electric Power Co Morgantown	**2,424.0**	**12,563**	**1.73**	**12.36**	**163.2**	**40.99**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Potomac Electric Power Co Morgantown						
Maryland	930.4	12,696	1.67	11.99	159.3	40.46
Allegany	37.0	12,140	1.93	13.85	159.9	38.82
Garrett	893.4	12,719	1.66	11.91	159.3	40.53
Pennsylvania	1,493.6	12,479	1.77	12.60	165.6	41.33
Cambria	496.0	12,423	1.84	12.36	168.6	41.89
Clearfield	537.5	12,436	1.81	12.80	169.8	42.24
Somerset	460.1	12,591	1.65	12.62	157.5	39.66
Potomac Electric Power Co Potomac River	**830.3**	**12,969**	**.77**	**7.55**	**171.4**	**44.45**
Kentucky	255.2	12,978	.72	6.96	161.9	42.03
Martin	165.0	13,004	.68	6.42	159.9	41.58
Pike	90.2	12,931	.80	7.95	165.7	42.86
Virginia	472.0	12,975	.80	7.63	177.2	45.99
Lee	144.0	12,783	.72	7.57	181.3	46.34
Tazewell	5.0	12,514	.74	11.44	168.6	42.19
Wise	323.0	13,067	.83	7.60	175.6	45.90
West Virginia	103.1	12,923	.78	8.61	167.8	43.38
Mcdowell	8.0	12,923	.79	8.40	170.2	43.99
Mingo	63.1	12,897	.76	8.76	168.6	43.50
Wyoming	32.0	12,975	.82	8.35	165.7	42.99
Public Service Co of Colorado Comanche	**1,691.1**	**8,503**	**.31**	**4.62**	**122.7**	**20.87**
Wyoming	1,691.1	8,503	.31	4.62	122.7	20.87
Campbell	1,691.1	8,503	.31	4.62	122.7	20.87
Public Service Co of Colorado Pawnee	**1,811.9**	**8,403**	**.33**	**4.61**	**111.4**	**18.73**
Wyoming	1,811.9	8,403	.33	4.61	111.4	18.73
Campbell	1,811.9	8,403	.33	4.61	111.4	18.73
Public Service Co of Colorado Valmont	**350.6**	**11,123**	**.43**	**8.39**	**125.3**	**27.88**
Colorado	350.6	11,123	.43	8.39	125.3	27.88
Gunnison	217.4	11,386	.44	8.25	109.8	25.01
Jackson	33.2	10,376	.30	6.57	118.5	24.60
Moffat	29.4	10,564	.34	7.53	170.0	35.91
Routt	70.6	10,900	.48	10.05	160.1	34.90
Public Service Co of Colorado Cameo	**145.9**	**11,613**	**.46**	**8.32**	**134.6**	**31.26**
Colorado	100.7	11,516	.43	7.67	134.3	30.93
Gunnison	91.4	11,509	.41	7.57	141.1	32.49
Mesa	9.3	11,582	.61	8.68	67.3	15.59
Utah	45.2	11,831	.52	9.76	135.2	31.99
Carbon	45.2	11,831	.52	9.76	135.2	31.99
Public Service Co of Colorado Cherokee	**1,484.1**	**10,727**	**.40**	**9.19**	**138.6**	**29.74**
Colorado	1,477.6	10,722	.40	9.19	138.7	29.74
Moffat	692.3	10,493	.31	8.12	142.0	29.80
Routt	785.3	10,924	.47	10.13	135.9	29.69
Utah	6.5	11,807	.59	8.57	127.0	29.99
Carbon	6.5	11,807	.59	8.57	127.0	29.99
Public Service Co of Colorado Araphoe	**288.9**	**10,868**	**.41**	**8.87**	**152.6**	**33.16**
Colorado	288.0	10,866	.41	8.87	152.6	33.17
Gunnison	49.7	11,625	.45	7.53	160.9	37.41
Moffat	117.9	10,489	.31	8.13	154.0	32.31
Routt	120.5	10,920	.48	10.15	147.7	32.25
Utah	.8	11,807	.59	8.57	137.5	32.47
Carbon	.8	11,807	.59	8.57	137.5	32.47
Public Service Co of IN Inc Gibson Station	**6,838.6**	**10,768**	**2.44**	**10.24**	**161.6**	**34.81**
Illinois	6,056.7	10,669	2.40	10.56	163.6	34.92
Clinton	3,111.1	10,623	3.24	8.95	161.4	34.29
Wabash	2,945.6	10,718	1.50	12.26	166.0	35.58
Indiana	781.9	11,532	2.78	7.76	147.2	33.95
Pike	781.9	11,532	2.78	7.76	147.2	33.95
Public Service Co of IN Inc Gallagher	**964.8**	**11,619**	**2.71**	**10.30**	**144.0**	**33.46**
Illinois	751.3	11,677	2.66	10.63	144.5	33.75
Gallatin	4.8	12,582	2.92	9.70	135.7	34.15
Hardin	7.7	12,675	3.02	9.70	132.7	33.64
Williamson	738.8	11,661	2.66	10.65	144.7	33.75
Indiana	167.9	11,037	3.00	9.06	149.0	32.89
Warrick	167.9	11,037	3.00	9.06	149.0	32.89
Kentucky	45.6	12,790	2.50	9.50	120.7	30.89
Union	45.6	12,790	2.50	9.50	120.7	30.89
Public Service Co of IN Inc Cayuga	**2,594.4**	**10,607**	**2.32**	**11.82**	**143.4**	**30.43**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Public Service Co of IN Inc Cayuga						
Indiana	2,594.4	10,607	2.32	11.82	143.4	30.43
Greene	155.1	10,811	2.50	10.74	131.8	28.51
Vermillion	2,439.3	10,594	2.30	11.88	144.2	30.55
Public Service Co of IN Inc Edwardsport	**100.1**	**10,865**	**2.31**	**11.08**	**85.8**	**18.65**
Indiana	100.1	10,865	2.31	11.08	85.8	18.65
Greene	58.2	10,925	2.35	10.78	88.6	19.36
Knox	41.9	10,780	2.25	11.48	81.9	17.65
Public Service Co of IN Inc Wabash River	**857.3**	**10,947**	**2.23**	**10.22**	**127.8**	**27.97**
Illinois	28.6	11,029	2.16	9.07	120.7	26.63
Douglas	28.6	11,029	2.16	9.07	120.7	26.63
Indiana	828.7	10,944	2.24	10.26	128.0	28.02
Daviess	32.7	11,186	2.20	9.55	123.2	27.56
Greene	5.7	10,962	2.51	10.10	104.6	22.93
Sullivan	790.3	10,934	2.24	10.29	128.4	28.07
Public Service Co of IN Inc Noblesville	**21.9**	**10,989**	**3.66**	**12.34**	**113.8**	**25.01**
Indiana	21.9	10,989	3.66	12.34	113.8	25.01
Vigo	21.9	10,989	3.66	12.34	113.8	25.01
Public Service Co of NH Merrimack	**949.6**	**13,473**	**2.39**	**7.34**	**191.5**	**51.60**
Virginia	6.6	14,114	.86	5.00	193.2	54.54
Buchanan	6.6	14,114	.86	5.00	193.2	54.54
West Virginia	928.9	13,474	2.41	7.34	191.8	51.68
Marion	928.9	13,474	2.41	7.34	191.8	51.68
Imported	14.1	13,100	1.80	8.50	171.0	44.80
Imported Coal	14.1	13,100	1.30	8.50	171.0	44.80
Public Service Co of NH Schiller	**165.9**	**13,090**	**1.15**	**7.99**	**193.8**	**50.73**
Virginia	69.6	13,176	1.15	8.08	192.3	50.67
Wise	69.6	13,176	1.15	8.08	192.3	50.67
West Virginia	85.6	13,155	1.19	7.99	199.6	52.53
Marshall	66.3	13,154	1.21	8.05	198.3	52.18
Mineral	19.3	13,159	1.11	7.80	204.1	53.72
Imported	10.7	12,004	.83	7.47	152.7	36.66
Imported Coal	10.7	12,004	.83	7.47	152.7	36.66
Public Service Co of NM San Juan	**5,037.0**	**9,426**	**.78**	**22.05**	**156.6**	**29.52**
New Mexico	5,037.0	9,426	.78	22.05	156.6	29.52
San Juan	5,037.0	9,426	.78	22.05	156.6	29.52
Public Service Co of Oklahoma Northeastern	**2,954.0**	**8,533**	**.43**	**6.05**	**165.2**	**28.19**
Oklahoma	168.0	12,821	.58	6.44	170.9	43.83
Rogers	168.0	12,821	.58	6.44	170.9	43.83
Wyoming	2,786.0	8,275	.42	6.03	164.7	27.25
Campbell	2,786.0	8,275	.42	6.03	164.7	27.25
Public Service Electric&Gas Co Hudson	**1,017.1**	**13,188**	**.87**	**8.25**	**170.2**	**44.89**
Virginia	7.8	13,310	.95	6.20	225.9	60.13
Buchanan	7.8	13,310	.95	6.20	225.9	60.13
West Virginia	1,009.3	13,187	.87	8.27	169.8	44.77
Boone	32.5	13,212	.79	7.21	169.7	44.83
Mcdowell	16.1	13,270	.83	8.58	174.2	46.24
Nicholas	282.4	13,148	.87	8.12	168.6	44.33
Preston	19.3	13,303	1.05	8.56	197.8	52.62
Randolph	202.3	13,423	1.07	8.56	163.6	43.91
Webster	456.7	13,096	.78	8.28	172.0	45.05
Public Service Electric&Gas Co Mercer	**794.1**	**13,534**	**1.03**	**6.46**	**192.5**	**52.11**
Virginia	647.2	13,594	1.01	5.96	194.2	52.81
Buchanan	462.7	13,542	1.08	5.74	202.9	54.94
Russell	87.2	13,694	.83	7.83	166.7	45.66
Tazewell	4.6	13,569	.83	5.60	186.2	50.53
Wise	92.7	13,763	.86	5.27	178.1	49.02
West Virginia	146.9	13,268	1.07	8.69	184.8	49.04
Mcdowell	3.1	13,486	.81	7.25	166.0	44.77
Upshur	143.8	13,263	1.08	8.72	185.2	49.13
Richmond City of Whitewater	**192.3**	**11,271**	**2.47**	**11.23**	**165.4**	**37.29**
Indiana	169.7	11,238	2.43	11.08	170.3	38.27
Daviess	169.7	11,238	2.43	11.08	170.3	38.27
Kentucky	12.5	11,507	1.68	13.46	129.4	29.79
Elliott	5.4	12,087	1.75	10.10	124.1	29.99
Perry	7.1	11,067	1.62	16.01	133.9	29.64

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Richmond City of Whitewater						
Ohio	10.0	11,544	4.26	10.89	129.9	30.00
Coshocton	10.0	11,544	4.26	10.89	129.9	30.00
Rochester City of Silver Lake	**122.1**	**12,257**	**1.72**	**7.11**	**192.6**	**47.21**
Illinois	122.1	12,257	1.72	7.11	192.6	47.21
Hamilton	24.4	12,030	1.20	5.50	203.0	48.84
Saline	97.7	12,314	1.85	7.51	190.0	46.80
Rochester City of Rochester 3	**149.4**	**13,191**	**2.29**	**7.18**	**170.1**	**44.88**
Pennsylvania	58.5	13,198	1.92	6.43	169.6	44.77
Armstrong	7.0	13,450	2.10	5.30	156.7	42.15
Clarion	7.1	12,680	2.38	8.60	148.3	37.61
Greene	44.4	13,242	1.82	6.26	174.9	46.32
West Virginia	90.9	13,186	2.53	7.67	170.5	44.96
Monongalia	90.9	13,186	2.53	7.67	170.5	44.96
Rochester City of Rochester 7	**383.2**	**13,248**	**2.24**	**6.95**	**170.0**	**45.03**
Ohio	7.8	12,930	2.00	7.60	168.5	43.57
Columbiana	7.8	12,930	2.00	7.60	168.5	43.57
Pennsylvania	125.7	13,081	1.88	6.93	169.5	44.35
Armstrong	3.7	12,820	2.06	6.30	166.0	42.56
Butler	22.4	12,753	2.05	8.69	162.3	41.40
Clarion	7.2	13,010	2.07	7.90	150.6	39.19
Greene	78.5	13,187	1.82	6.19	174.4	46.00
Jefferson	7.0	13,080	2.03	9.70	163.6	42.80
Washington	6.9	13,150	1.57	6.10	164.1	43.16
West Virginia	249.7	13,342	2.42	6.93	170.2	45.42
Monongalia	249.7	13,342	2.42	6.93	170.2	45.42
Salt River Proj Ag I & P Dist Coronado	**1,665.2**	**10,343**	**.49**	**15.12**	**220.4**	**45.60**
New Mexico	1,665.2	10,343	.49	15.12	220.4	45.60
Colfax	472.8	11,989	.47	14.47	232.7	55.80
Mckinley	1,192.4	9,691	.50	15.37	214.4	41.56
Salt River Proj Ag I & P Dist Navajo	**7,043.5**	**11,012**	**.49**	**8.86**	**89.9**	**19.80**
Arizona	7,043.5	11,012	.49	8.86	89.9	19.80
Navajo	7,043.5	11,012	.49	8.86	89.9	19.80
San Antonio City of J T Deely	**2,657.0**	**8,308**	**.36**	**5.72**	**166.5**	**27.67**
Wyoming	2,657.0	8,308	.36	5.72	166.5	27.67
Campbell	2,657.0	8,308	.36	5.72	166.5	27.67
San Miguel Electric Coop Inc San Miguel	**2,524.7**	**5,369**	**1.68**	**24.82**	**85.8**	**9.22**
Texas	2,524.7	5,369	1.68	24.82	85.8	9.22
Atascosa	2,524.7	5,369	1.68	24.82	85.8	9.22
Savannah Electric & Power Inc Mcintosh	**416.7**	**12,935**	**.81**	**8.23**	**164.3**	**42.51**
Kentucky	264.9	12,976	.79	7.75	165.1	42.84
Boyd	.7	12,491	.80	6.40	160.8	40.18
Harlan	240.9	13,011	.78	7.61	165.0	42.94
Letcher	23.2	12,623	.91	9.31	165.7	41.84
Virginia	151.8	12,863	.83	9.05	163.0	41.94
Dickenson	108.1	13,083	.90	8.88	163.7	42.82
Lee	43.8	12,322	.66	9.47	161.4	39.77
Savannah Electric & Power Inc Port Wentworth	**360.3**	**13,132**	**.93**	**9.16**	**164.3**	**43.16**
Virginia	360.3	13,132	.93	9.16	164.3	43.16
Lee	9.7	12,844	.81	7.95	159.6	41.00
Russell	94.8	13,177	.76	10.29	164.8	43.43
Wise	255.7	13,127	1.00	8.78	164.3	43.14
Seminole Electric Coop Inc Seminole	**3,052.0**	**12,132**	**2.86**	**8.65**	**201.1**	**48.80**
Illinois	1,284.0	11,686	2.69	7.73	219.6	51.33
White	1,284.0	11,686	2.69	7.73	219.6	51.33
Kentucky	1,768.0	12,456	2.98	9.32	188.5	46.96
Hopkins	49.0	11,326	2.48	11.67	148.6	33.65
Webster	1,719.0	12,489	3.00	9.25	189.5	47.34
Sierra Pacific Power Co North Valmy	**1,102.7**	**10,964**	**.39**	**8.62**	**185.3**	**40.63**
Utah	863.3	11,354	.36	8.36	185.7	42.17
Sevier	863.3	11,354	.36	8.36	185.7	42.17
Wyoming	239.5	9,558	.48	9.55	183.5	35.08
Sweetwater	239.5	9,558	.48	9.55	183.5	35.08
Sikeston City of Sikeston	**576.1**	**11,449**	**2.22**	**10.51**	**149.7**	**34.27**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Sikeston City of Sikeston						
Illinois	576.1	11,449	2.22	10.51	149.7	34.27
Franklin	201.2	11,800	1.87	7.11	113.6	26.81
Saline	374.9	11,260	2.41	12.34	169.9	38.27
South Carolina Electric&Gas Co Canadys	**561.7**	**12,848**	**1.52**	**9.69**	**169.7**	**43.62**
Kentucky	527.9	12,828	1.52	9.72	170.7	43.78
Bell	296.8	12,942	1.29	9.52	175.9	45.52
Floyd	133.2	12,528	2.10	11.21	168.8	42.29
Harlan	.3	12,899	1.04	9.10	190.0	49.02
Pike	97.6	12,891	1.46	8.31	157.2	40.52
Virginia	33.8	13,166	1.44	9.10	155.8	41.03
Dickenson	33.8	13,166	1.44	9.10	155.8	41.03
South Carolina Electric&Gas Co Mcmeekin	**670.5**	**13,070**	**1.46**	**8.89**	**165.5**	**43.25**
Kentucky	319.5	12,849	1.42	9.05	165.9	42.64
Bell	106.9	13,059	1.49	9.17	173.4	45.28
Floyd	49.0	12,572	1.55	10.39	161.5	40.60
Harlan	20.3	13,215	.85	6.47	148.5	39.26
Knott	6.6	13,190	1.55	7.30	147.5	38.91
Letcher	6.1	12,447	1.14	11.40	149.4	37.19
Magoffin	21.9	12,616	1.27	7.72	151.6	38.25
Pike	108.7	12,748	1.43	9.04	168.7	43.01
Virginia	351.0	13,272	1.50	8.75	165.0	43.81
Dickenson	343.4	13,275	1.50	8.78	164.7	43.72
Wise	7.6	13,100	1.64	7.60	182.5	47.81
South Carolina Electric&Gas Co Urguhart	**521.6**	**12,905**	**1.19**	**8.32**	**159.2**	**41.08**
Kentucky	521.6	12,905	1.19	8.32	159.2	41.08
Bell	132.4	13,078	1.24	7.93	163.9	42.88
Breathitt	14.4	12,511	1.25	8.35	155.8	38.99
Floyd	7.5	12,751	1.53	9.50	147.5	37.62
Harlan	53.0	13,066	.91	7.82	147.3	38.48
Leslie	19.9	12,763	1.09	8.97	174.7	44.59
Magoffin	15.8	12,407	1.13	7.21	151.4	37.57
Pike	278.6	12,856	1.22	8.59	159.0	40.88
South Carolina Electric&Gas Co Wateree	**1,557.7**	**12,809**	**1.31**	**9.23**	**161.8**	**41.44**
Kentucky	1,135.0	12,749	1.18	9.13	163.8	41.76
Bell	478.0	12,949	1.22	8.51	164.0	42.46
Breathitt	7.0	12,526	1.22	7.90	150.3	37.65
Floyd	89.3	12,486	1.61	10.55	162.5	40.57
Harlan	188.9	12,717	1.06	9.35	149.3	37.97
Leslie	14.5	12,765	1.15	9.81	176.4	45.04
Letcher	87.8	12,456	1.04	10.38	152.7	38.03
Magoffin	15.4	12,651	1.33	7.35	153.0	38.71
Perry	70.6	12,495	.89	9.18	153.0	38.22
Pike	183.5	12,644	1.16	9.38	188.7	47.71
Tennessee	39.7	12,816	1.54	9.01	145.2	37.22
Claiborne	39.7	12,816	1.54	9.01	145.2	37.22
Virginia	372.9	12,977	1.67	9.59	158.0	41.00
Lee	5.6	12,032	1.74	11.80	148.0	35.61
Wise	367.3	12,992	1.67	9.55	158.1	41.08
West Virginia	10.1	13,346	1.37	8.00	144.8	38.65
Mingo	10.1	13,346	1.37	8.00	144.8	38.65
South Carolina Electric&Gas Co Williams	**1,467.3**	**12,864**	**1.02**	**8.50**	**187.2**	**48.17**
Kentucky	1,467.3	12,864	1.02	8.50	187.2	48.17
Bell	41.1	12,730	1.29	10.49	175.1	44.58
Harlan	1,307.5	12,860	1.00	8.43	189.3	48.70
Leslie	13.9	12,880	1.20	8.90	176.6	45.49
Letcher	37.3	12,613	.88	10.04	160.6	40.51
Perry	9.0	12,443	.73	9.00	152.3	37.90
Pike	58.5	13,289	1.15	7.53	172.8	45.92
South Carolina Pub Serv Auth Cross	**1,282.2**	**12,451**	**1.10**	**9.64**	**189.0**	**47.06**
Kentucky	1,282.2	12,451	1.10	9.64	189.0	47.06
Bell	19.3	12,465	1.15	9.71	142.4	35.50
Harlan	1,047.0	12,485	1.08	9.55	192.3	48.01
Laurel	151.4	12,277	1.14	10.35	190.0	46.64
Letcher	17.2	12,387	1.03	10.88	147.3	36.49
Pike	47.3	12,277	1.20	8.93	146.4	35.96
South Carolina Pub Serv Auth Grainger	**121.9**	**12,662**	**1.95**	**10.61**	**154.6**	**39.15**
Kentucky	108.4	12,670	1.98	10.63	154.5	39.15
Bell	5.5	12,032	1.80	10.41	151.2	36.38
Clay	20.6	12,630	1.77	10.38	160.5	40.54
Floyd	16.0	12,690	1.87	10.45	155.0	39.34

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
South Carolina Pub Serv Auth Grainger						
Kentucky						
Harlan	25.1	12,294	2.06	11.58	151.3	37.21
Knott	1.2	12,514	1.31	8.50	158.6	39.69
Knox	.4	11,687	1.39	11.31	150.6	35.20
Pike	39.5	13,024	2.13	10.31	153.5	39.99
Tennessee	4.7	12,515	1.97	9.78	154.8	38.75
Campbell	4.7	12,515	1.97	9.78	154.8	38.75
Virginia	8.8	12,642	1.56	10.88	155.6	39.33
Dickenson	8.8	12,642	1.56	10.88	155.6	39.33
South Carolina Pub Serv Auth Jefferies	**480.3**	**12,167**	**1.65**	**11.05**	**181.7**	**44.22**
Kentucky	480.3	12,167	1.65	11.05	181.7	44.22
Clay	36.3	12,229	1.40	10.70	151.9	37.15
Floyd	6.6	12,086	1.27	11.38	149.2	36.06
Harlan	13.3	12,209	1.76	11.00	142.9	34.89
Laurel	424.0	12,162	1.68	11.08	186.0	45.25
South Carolina Pub Serv Auth Winyah	**2,243.2**	**12,389**	**1.09**	**10.06**	**175.5**	**43.50**
Kentucky	2,213.8	12,391	1.09	10.06	175.9	43.58
Bell	90.3	12,295	1.06	10.35	145.2	35.70
Breathitt	7.0	12,351	.86	9.80	151.6	37.45
Floyd	28.8	12,226	1.22	12.00	150.4	36.78
Harlan	1,468.7	12,443	1.10	10.14	184.0	45.78
Knott	15.2	12,606	1.24	9.63	151.6	38.22
Laurel	208.5	12,096	1.11	10.98	190.1	46.00
Letcher	141.9	12,332	1.10	9.65	147.1	36.27
Perry	98.7	12,557	1.01	8.18	152.5	38.29
Pike	154.7	12,312	1.10	9.28	147.0	36.20
Virginia	21.1	12,190	.94	8.40	151.9	37.03
Wise	21.1	12,190	.94	8.40	151.9	37.03
West Virginia	8.2	12,400	1.00	12.12	150.5	37.32
Logan	8.2	12,400	1.00	12.12	150.5	37.32
South Mississippi EL Pwr Assn R D Morrow	**795.3**	**12,561**	**.93**	**8.40**	**222.3**	**55.84**
Kentucky	769.4	12,538	.93	8.40	224.3	56.25
Leslie	762.3	12,535	.93	8.40	224.9	56.38
Pike	7.1	12,816	.90	8.48	164.5	42.16
Virginia	25.9	13,255	.92	8.36	164.6	43.64
Wise	25.9	13,255	.92	8.36	164.6	43.64
Southern California Edison Co Mohave	**4,292.9**	**10,984**	**.53**	**9.99**	**104.5**	**22.96**
Arizona	4,292.9	10,984	.53	9.99	104.5	22.96
Navajo	4,292.9	10,984	.53	9.99	104.5	22.96
Southern Illinois Power Coop Marion	**655.0**	**10,950**	**3.25**	**17.27**	**94.6**	**20.72**
Illinois	655.0	10,950	3.25	17.27	94.6	20.72
Gallatin	479.0	11,165	3.51	17.29	98.9	22.09
Jackson	63.0	10,058	2.37	15.40	65.7	13.21
Saline	39.0	11,995	3.89	14.35	110.1	26.41
Williamson	74.0	9,770	2.03	20.24	78.0	15.25
Southern Indiana Gas & Elec Co A B Brown	**1,147.0**	**11,500**	**3.65**	**8.58**	**156.1**	**35.90**
Indiana	1,147.0	11,500	3.65	8.58	156.1	35.90
Pike	1,147.0	11,500	3.65	8.58	156.1	35.90
Southern Indiana Gas & Elec Co Culley	**689.4**	**11,030**	**2.96**	**8.93**	**152.6**	**33.66**
Indiana	689.4	11,030	2.96	8.93	152.6	33.66
Dubois	10.0	11,000	1.70	8.50	110.7	24.35
Warrick	679.3	11,031	2.98	8.94	153.2	33.80
Southern Indiana Gas & Elec Co Warrick	**460.0**	**10,943**	**3.14**	**9.76**	**111.7**	**24.44**
Indiana	460.0	10,943	3.14	9.76	111.7	24.44
Warrick	460.0	10,943	3.14	9.76	111.7	24.44
Southwestern Electric Power Co Flint Creek	**1,664.0**	**8,409**	**.33**	**4.68**	**143.9**	**24.19**
Wyoming	1,664.0	8,409	.33	4.68	143.9	24.19
Campbell	1,664.0	8,409	.33	4.68	143.9	24.19
Southwestern Electric Power Co Pirkey	**2,807.0**	**6,788**	**1.52**	**10.93**	**110.5**	**15.00**
Texas	2,807.0	6,788	1.52	10.93	110.5	15.00
Harrison	2,807.0	6,788	1.52	10.93	110.5	15.00
Southwestern Electric Power Co Welsh Station	**4,993.0**	**8,406**	**.33**	**4.62**	**194.0**	**32.61**
Wyoming	4,993.0	8,406	.33	4.62	194.0	32.61
Campbell	4,993.0	8,406	.33	4.62	194.0	32.61
Southwestern Public Service Co Harrington	**3,757.5**	**8,909**	**.37**	**4.94**	**162.9**	**29.03**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Southwestern Public Service Co Harrington						
Wyoming	3,757.5	8,909	0.37	4.94	162.9	29.03
Campbell	3,757.5	8,909	.37	4.94	162.9	29.03
Southwestern Public Service Co Tolk	**3,443.0**	**8,757**	**.37**	**5.02**	**180.4**	**31.60**
Wyoming	3,443.0	8,757	.37	5.02	180.4	31.60
Campbell	3,443.0	8,757	.37	5.02	180.4	31.60
Springfield City of (MO) James River	**374.5**	**12,255**	**4.16**	**11.08**	**120.4**	**29.51**
Kansas	11.7	11,806	3.40	12.96	126.7	29.91
Crawford	11.7	11,806	3.40	12.96	126.7	29.91
Oklahoma	362.8	12,269	4.19	11.02	120.2	29.50
Craig	141.8	12,262	4.30	10.53	122.5	30.03
Rogers	221.0	12,273	4.12	11.34	118.8	29.16
Springfield City of (MO) Southwest	**269.6**	**12,619**	**4.07**	**9.73**	**114.5**	**28.90**
Oklahoma	269.6	12,619	4.07	9.73	114.5	28.90
Craig	99.5	12,662	4.02	9.04	117.4	29.72
Rogers	170.1	12,594	4.10	10.13	112.8	28.41
Springfield City of (IL) Dallman	**771.7**	**10,402**	**2.92**	**9.38**	**158.5**	**32.98**
Illinois	771.7	10,402	2.92	9.38	158.5	32.98
Logan	771.7	10,402	2.92	9.38	158.5	32.98
Springfield City of (IL) Lakeside	**68.7**	**10,422**	**2.94**	**9.37**	**158.7**	**33.08**
Illinois	68.7	10,422	2.94	9.37	158.7	33.08
Logan	68.7	10,422	2.94	9.37	158.7	33.08
St Joseph Light and Power Co Lakeroad	**111.3**	**12,164**	**3.57**	**14.91**	**137.1**	**33.36**
Missouri	17.0	12,260	3.74	10.24	134.3	32.93
Vernon	17.0	12,260	3.74	10.24	134.3	32.93
Oklahoma	94.3	12,147	3.54	15.76	137.6	33.43
Haskell	94.3	12,147	3.54	15.76	137.6	33.43
Sunflower Electric Coop Inc Holcomb Unit #1	**902.1**	**8,282**	**.35**	**5.57**	**105.5**	**17.47**
Wyoming	902.1	8,282	.35	5.57	105.5	17.47
Campbell	902.1	8,282	.35	5.57	105.5	17.47
Tampa Electric Co Big Bend	**6,475.7**	**12,216**	**2.15**	**8.13**	**177.3**	**43.31**
Illinois	1,151.2	11,483	2.82	9.25	165.2	37.94
Gallatin	36.5	12,333	2.39	8.72	125.9	31.05
Perry	417.0	11,052	2.87	9.45	173.7	38.40
Randolph	697.8	11,696	2.81	9.17	162.5	38.02
Indiana	258.8	11,071	2.89	9.40	119.0	26.35
Gibson	258.8	11,071	2.89	9.40	119.0	26.35
Kentucky	4,416.1	12,412	2.03	7.73	183.0	45.44
Butler	287.3	12,527	1.25	5.10	213.6	53.51
Hopkins	14.5	12,114	2.92	8.40	117.3	28.42
Knott	76.9	13,240	.92	6.05	161.8	42.85
Muhlenberg	933.4	11,761	2.74	8.92	168.4	39.62
Ohio	727.6	11,676	3.17	9.75	196.5	45.88
Perry	36.9	13,534	1.43	5.43	159.6	43.20
Union	431.7	12,213	3.26	10.52	119.0	29.06
Webster	55.2	12,405	3.11	9.51	127.3	31.57
Whitley	1,852.7	13,004	1.09	6.16	197.9	51.46
Oklahoma	416.7	12,397	.76	8.19	194.2	48.15
Craig	196.5	12,118	.82	9.53	195.0	47.26
Rogers	220.2	12,646	.70	7.00	193.5	48.94
West Virginia	232.8	13,069	2.62	8.45	152.3	39.80
Monongalia	232.8	13,069	2.62	8.45	152.3	39.80
Tampa Electric Co Gannon	**471.7**	**12,952**	**1.09**	**6.18**	**232.3**	**60.17**
Kentucky	471.7	12,952	1.09	6.18	232.3	60.17
Whitley	471.7	12,952	1.09	6.18	232.3	60.17
Tennessee Valley Authority Allen	**1,627.1**	**12,285**	**2.27**	**7.99**	**127.9**	**31.43**
Illinois	158.0	12,192	2.40	8.79	125.2	30.54
Gallatin	158.0	12,192	2.40	8.79	125.2	30.54
Kentucky	1,469.0	12,295	2.26	7.90	128.2	31.53
Bell	67.3	12,001	2.10	6.80	120.9	29.02
Butler	554.4	11,903	2.11	6.67	120.1	28.58
Caldwell	592.0	12,581	2.38	8.82	142.2	35.79
Unknown	255.3	12,563	2.34	8.73	114.2	28.69
Tennessee Valley Authority Bull Run	**2,011.3**	**11,438**	**.87**	**14.17**	**195.5**	**44.72**
Kentucky	2,011.3	11,438	.87	14.17	195.5	44.72
Breathitt	2,011.3	11,438	.87	14.17	195.5	44.72

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Tennessee Valley Authority Colbert	**3,288.2**	**11,642**	**2.24**	**12.10**	**184.8**	**43.04**
Illinois	151.6	11,729	1.92	7.89	103.9	24.37
Franklin	47.4	11,719	1.80	7.80	106.4	24.94
Unknown	104.1	11,734	1.97	7.93	102.7	24.11
Kentucky	533.9	11,750	2.04	12.82	111.7	26.24
Unknown	533.9	11,750	2.04	12.82	111.7	26.24
Ohio	2,602.6	11,614	2.30	12.20	204.8	47.57
Belmont	2,602.6	11,614	2.30	12.20	204.8	47.57
Tennessee Valley Authority Cumberland	**6,667.1**	**11,653**	**2.83**	**8.25**	**137.2**	**31.99**
Kentucky	6,331.3	11,611	2.84	8.06	137.2	31.87
Butler	309.2	11,604	2.63	8.86	147.3	34.18
Union	5,858.2	11,584	2.85	8.00	137.6	31.88
Unknown	163.9	12,589	2.91	8.86	108.0	27.20
West Virginia	335.8	12,452	2.63	11.77	137.2	34.17
Preston	320.0	12,442	2.73	11.93	137.2	34.14
Unknown	15.7	12,651	.70	8.60	137.9	34.89
Tennessee Valley Authority Gallatin	**2,456.6**	**12,239**	**2.77**	**8.84**	**147.9**	**36.21**
Kentucky	2,433.8	12,243	2.78	8.79	148.2	36.29
Hopkins	1,030.1	11,851	2.80	9.69	131.5	31.16
Webster	827.2	12,519	2.62	7.16	171.0	42.81
Unknown	576.6	12,548	2.94	9.52	143.9	36.12
Tennessee	22.8	11,836	1.87	14.04	115.3	27.30
Unknown	22.8	11,836	1.87	14.04	115.3	27.30
Tennessee Valley Authority Johnsonville	**2,717.6**	**11,654**	**1.78**	**10.03**	**117.5**	**27.39**
Illinois	889.6	11,766	1.79	7.68	113.7	26.75
Franklin	58.1	11,602	1.80	7.64	105.3	24.44
Unknown	831.5	11,777	1.79	7.68	114.3	26.92
Kentucky	1,828.1	11,600	1.77	11.17	119.4	27.71
Ohio	242.6	11,480	1.76	10.80	113.7	26.10
Unknown	1,585.5	11,618	1.77	11.22	120.3	27.95
Tennessee Valley Authority Kingston	**3,571.5**	**12,358**	**1.28**	**10.54**	**122.4**	**30.24**
Kentucky	1,789.5	12,193	1.19	11.08	127.4	31.07
Bell	1,173.2	12,265	1.28	10.91	121.0	29.69
Breathitt	193.8	11,493	.89	14.04	203.3	46.73
Clay	.3	12,294	.84	7.12	113.8	27.99
Harlan	191.0	12,450	1.09	9.96	110.3	27.46
Knox	60.5	11,590	1.12	11.82	105.9	24.55
Letcher	17.7	13,050	1.50	6.50	116.8	30.48
Perry	40.0	12,522	.92	7.92	116.7	29.23
Unknown	113.0	12,289	1.06	11.16	117.8	28.97
Tennessee	1,760.7	12,528	1.37	10.00	117.5	29.43
Anderson	514.3	12,763	1.47	9.13	128.1	32.71
Campbell	578.5	12,360	1.26	10.32	113.6	28.07
Claiborne	97.1	12,690	1.60	8.61	107.3	27.23
Cumberland	8.9	12,326	.95	14.07	104.3	25.71
Morgan	129.4	12,324	1.37	11.48	109.7	27.05
Rhea	5.1	12,944	1.20	12.20	112.9	29.24
Scott	122.9	12,751	1.14	9.27	106.4	27.14
Unknown	304.4	12,393	1.46	10.83	118.0	29.25
Virginia	21.2	12,178	.91	9.64	112.1	27.31
Dickenson	2.1	11,514	1.00	16.10	93.4	21.51
Lee	14.0	12,232	.90	8.70	114.0	27.89
Wise	5.2	12,299	.90	9.60	114.1	28.07
Tennessee Valley Authority Paradise	**6,427.7**	**10,769**	**4.24**	**16.36**	**104.8**	**22.57**
Kentucky	6,427.7	10,769	4.24	16.36	104.8	22.57
Hopkins	2,153.8	11,268	4.24	14.99	105.6	23.79
Muhlenberg	3,366.9	10,504	4.18	17.20	105.3	22.12
Unknown	907.1	10,566	4.46	16.52	100.9	21.32
Tennessee Valley Authority Sevier	**2,055.8**	**12,777**	**1.39**	**9.80**	**124.3**	**31.76**
Kentucky	439.3	12,379	1.73	11.42	120.4	29.81
Bell	15.8	12,396	1.96	10.44	109.6	27.16
Harlan	64.9	12,206	2.08	12.26	99.8	24.37
Letcher	145.4	12,258	1.26	11.75	122.0	29.91
Pike	35.1	13,010	1.16	8.62	130.0	33.82
Whitley	9.9	12,666	1.88	8.97	119.7	30.32
Unknown	168.1	12,400	2.08	11.63	125.8	31.21
Tennessee	190.5	12,344	1.97	12.44	119.4	29.47
Anderson	49.5	12,358	1.85	11.93	114.1	28.19
Campbell	71.8	12,562	2.15	11.39	120.2	30.20
Fentress	11.2	11,667	1.80	13.63	101.8	23.76
Scott	58.1	12,192	1.87	13.96	126.2	30.76

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Tennessee Valley Authority Sevier						
Virginia	1,426.0	12,957	1.21	8.95	126.0	32.66
Dickenson	1.5	12,300	2.30	11.20	90.8	22.34
Lee	82.4	12,248	1.77	11.15	109.8	26.89
Russell	.5	12,339	2.00	14.40	92.9	22.93
Wise	1,330.7	13,001	1.17	8.81	127.1	33.05
Unknown	10.9	13,184	1.30	8.55	116.7	30.77
Tennessee Valley Authority Shawnee	**2,311.9**	**12,389**	**1.18**	**9.66**	**136.0**	**33.69**
Kentucky	1,243.4	12,151	1.63	10.23	113.9	27.67
Harlan	29.5	12,765	.60	9.35	122.8	31.34
Hopkins	323.8	11,218	3.97	13.22	88.4	19.82
Leslie	70.4	12,903	.70	7.27	126.7	32.69
Martin	232.5	12,397	.69	7.23	125.8	31.20
Pike	530.8	12,488	.70	10.03	121.3	30.29
Unknown	56.3	12,072	2.57	11.42	105.0	25.35
West Virginia	1,068.5	12,666	.66	9.00	160.6	40.69
Boone	38.8	13,043	.70	7.98	125.6	32.77
Logan	303.9	12,876	.60	8.72	227.0	58.46
Mingo	231.6	12,152	.64	10.99	120.7	29.33
Unknown	494.2	12,749	.70	8.31	140.1	35.71
Tennessee Valley Authority Widows Creek	**2,504.2**	**12,254**	**2.28**	**11.46**	**127.8**	**31.33**
Alabama	25.8	11,904	.60	13.58	104.0	24.77
Jackson	25.8	11,904	.60	13.58	104.0	24.77
Kentucky	1,623.8	12,114	3.13	11.16	125.9	30.50
Harlan	58.3	12,929	.87	9.40	188.5	48.75
Hopkins	441.6	12,002	3.02	8.52	107.4	25.79
Johnson	57.3	11,643	.85	12.95	119.0	27.70
Union	864.5	12,191	3.52	12.06	132.1	32.20
Unknown	202.1	11,931	3.01	13.11	121.8	29.06
Tennessee	854.6	12,529	.72	11.95	132.1	33.11
Bledsoe	1.4	11,801	.60	14.30	109.6	25.87
Campbell	13.3	12,613	1.00	7.30	125.5	31.66
Grundy	25.0	12,150	.81	12.98	122.5	29.77
Sequatchie	160.5	12,581	.74	11.11	140.4	35.32
Unknown	654.4	12,531	.71	12.21	130.7	32.74
Texas Municipal Power Agency Gibbons Creek	**3,282.5**	**4,778**	**1.00**	**24.77**	**145.4**	**13.89**
Texas	3,260.0	4,752	1.01	24.90	145.3	13.81
Grimes	3,260.0	4,752	1.01	24.90	145.3	13.81
Wyoming	22.5	8,451	.34	5.40	154.0	26.03
Campbell	22.5	8,451	.34	5.40	154.0	26.03
Texas Utilities Electric Co Big Brown	**5,217.0**	**6,707**	**.77**	**15.35**	**101.9**	**13.66**
Texas	5,217.0	6,707	.77	15.35	101.9	13.66
Freestone	5,217.0	6,707	.77	15.35	101.9	13.66
Texas Utilities Electric Co Martin Lake	**12,202.0**	**6,611**	**.82**	**11.67**	**118.4**	**15.66**
Texas	12,202.0	6,611	.82	11.67	118.4	15.66
Panola	12,202.0	6,611	.82	11.67	118.4	15.66
Texas Utilities Electric Co Monticello	**10,971.0**	**6,008**	**.58**	**18.80**	**94.0**	**11.29**
Texas	10,971.0	6,008	.58	18.80	94.0	11.29
Titus	10,971.0	6,008	.58	18.80	94.0	11.29
Texas Utilities Electric Co Sandow No 4	**636.0**	**6,252**	**1.10**	**19.06**	**84.4**	**10.55**
Texas	636.0	6,252	1.10	19.06	84.4	10.55
Milam	636.0	6,252	1.10	19.06	84.4	10.55
Toledo Edison Co Acme	**123.6**	**13,003**	**.69**	**7.77**	**154.7**	**40.24**
Kentucky	84.2	13,064	.67	7.85	154.9	40.46
Pike	84.2	13,064	.67	7.85	154.9	40.46
West Virginia	39.4	12,871	.73	7.61	154.5	39.77
Boone	6.4	12,687	.73	10.80	153.0	38.83
Logan	10.6	12,750	.72	7.90	159.5	40.68
Mingo	10.3	13,073	.74	7.36	150.9	39.45
Nicholas	12.1	12,904	.72	5.88	154.0	39.74
Toledo Edison Co Bay Shore	**1,398.9**	**13,247**	**1.25**	**6.51**	**200.9**	**53.21**
Kentucky	601.9	13,288	1.34	6.17	187.2	49.74
Floyd	14.9	12,782	1.34	10.57	153.0	39.10
Martin	19.2	13,020	1.13	6.60	151.9	39.55
Pike	563.4	13,321	1.35	6.03	189.8	50.55
Unknown	4.4	11,914	.68	7.20	108.8	25.92
Virginia	31.0	13,115	1.22	6.93	153.4	40.24
Buchanan	31.0	13,115	1.22	6.93	153.4	40.24

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Toledo Edison Co Bay Shore						
West Virginia	766.0	13,221	1.19	6.76	213.6	56.47
Mingo	766.0	13,221	1.19	6.76	213.6	56.47
Tucson Electric Power Co Irvington	**225.2**	**10,151**	**.41**	**11.38**	**256.3**	**52.03**
New Mexico	225.2	10,151	.41	11.38	256.3	52.03
Mckinley	225.2	10,151	.41	11.38	256.3	52.03
Union Electric Co Labadie	**5,067.0**	**11,299**	**2.27**	**9.15**	**161.3**	**36.46**
Illinois	5,057.0	11,301	2.28	9.15	161.4	36.49
Jackson	585.0	10,600	1.00	11.40	164.4	34.85
Jefferson	933.0	11,800	1.30	7.28	202.3	47.73
Perry	2,934.0	11,200	3.05	9.72	134.1	30.03
Saline	605.0	11,700	1.28	7.10	222.4	52.03
Wyoming	10.0	10,400	.60	9.50	107.2	22.30
Carbon	10.0	10,400	.60	9.50	107.2	22.30
Union Electric Co Meramec	**434.0**	**11,651**	**1.29**	**7.62**	**166.2**	**38.74**
Illinois	415.0	11,681	1.29	7.46	168.4	39.35
Franklin	79.0	11,600	1.35	9.00	112.9	26.19
Saline	336.0	11,700	1.28	7.10	181.4	42.44
Indiana	19.0	11,000	1.20	11.00	115.2	25.34
Dubois	19.0	11,000	1.20	11.00	115.2	25.34
Union Electric Co Rush Island	**2,486.0**	**10,596**	**1.00**	**10.84**	**170.9**	**36.21**
Illinois	2,384.0	10,690	1.02	11.05	173.0	36.99
Jackson	2,190.0	10,600	1.00	11.40	168.7	35.75
Saline	194.0	11,700	1.28	7.10	217.9	50.98
Wyoming	102.0	8,400	.50	5.90	106.2	17.83
Campbell	102.0	8,400	.50	5.90	106.2	17.83
Union Electric Co Sioux	**1,622.0**	**11,056**	**2.34**	**8.31**	**157.9**	**34.92**
Illinois	1,403.0	11,470	2.63	8.68	163.9	37.61
Perry	1,403.0	11,470	2.63	8.68	163.9	37.61
Wyoming	219.0	8,400	.50	5.90	105.6	17.74
Campbell	219.0	8,400	.50	5.90	105.6	17.74
United Illuminating Co Bridgeport Harbor	**770.0**	**13,134**	**.49**	**6.74**	**242.0**	**63.56**
Kentucky	770.0	13,134	.49	6.74	242.0	63.56
Pike	770.0	13,134	.49	6.74	242.0	63.56
United Power Assn Stanton	**1,044.5**	**6,697**	**.64**	**9.93**	**101.7**	**13.62**
North Dakota	1,044.5	6,697	.64	9.93	101.7	13.62
Mercer	1,044.5	6,697	.64	9.93	101.7	13.62
Upper Peninsula Generating Co Presque Isle	**1,425.0**	**9,981**	**.61**	**7.26**	**196.4**	**39.21**
Kentucky	277.0	12,547	.87	9.11	153.0	38.40
Knott	74.0	12,535	.92	8.11	152.9	38.32
Magoffin	110.0	12,419	.87	9.47	154.0	38.24
Pike	93.0	12,708	.83	9.47	152.1	38.65
Montana	1,086.0	9,167	.54	6.63	215.1	39.44
Big Horn	816.0	9,330	.45	5.77	225.5	42.08
Rosebud	270.0	8,677	.80	9.22	181.3	31.45
West Virginia	62.0	12,763	.77	9.96	151.8	38.76
Boone	62.0	12,763	.77	9.96	151.8	38.76
Utah Power & Light Co Carbon	**362.0**	**11,745**	**.53**	**6.23**	**187.7**	**44.09**
Utah	362.0	11,745	.53	6.23	187.7	44.09
Carbon	362.0	11,745	.53	6.23	187.7	44.09
Utah Power & Light Co Emery-Hunter	**3,271.0**	**11,515**	**.54**	**11.30**	**96.0**	**22.10**
Utah	3,271.0	11,515	.54	11.30	96.0	22.10
Emery	3,271.0	11,515	.54	11.30	96.0	22.10
Utah Power & Light Co Gadsby	**41.0**	**11,868**	**.53**	**5.56**	**202.9**	**48.16**
Utah	41.0	11,868	.53	5.56	202.9	48.16
Carbon	41.0	11,868	.53	5.56	202.9	48.16
Utah Power & Light Co Huntington	**2,479.0**	**11,675**	**.41**	**11.32**	**111.5**	**26.03**
Utah	2,479.0	11,675	.41	11.32	111.5	26.03
Carbon	43.0	11,708	.48	6.71	203.5	47.66
Emery	2,436.0	11,674	.40	11.40	109.9	25.65
Utah Power & Light Co Naughton	**2,044.0**	**9,659**	**.59**	**5.93**	**119.9**	**23.15**
Wyoming	2,044.0	9,659	.59	5.93	119.9	23.15
Lincoln	2,044.0	9,659	.59	5.93	119.9	23.15
Vineland City of H M Down	**76.8**	**12,618**	**.78**	**8.39**	**195.7**	**49.40**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Vineland City of H M Down						
West Virginia	76.8	12,618	0.78	8.39	195.7	49.40
Nicholas	76.8	12,618	.78	8.39	195.7	49.40
Virginia Electric & Power Co Bremo Bluff	**641.0**	**12,804**	**.75**	**9.05**	**159.1**	**40.74**
Virginia	13.0	12,696	.86	11.14	148.5	37.71
Buchanan	13.0	12,696	.86	11.14	148.5	37.71
West Virginia	628.0	12,807	.74	9.01	159.3	40.80
Boone	346.0	12,875	.73	9.08	157.8	40.62
Greenbrier	6.0	13,162	1.19	9.00	152.1	40.04
Logan	276.0	12,714	.75	8.91	161.4	41.05
Virginia Electric & Power Co Chesterfield	**2,745.0**	**12,753**	**.93**	**9.44**	**152.1**	**38.80**
Kentucky	752.0	12,723	1.02	9.08	153.5	39.06
Bell	14.0	12,463	1.10	10.45	156.4	38.98
Breathitt	44.0	12,558	1.13	7.73	150.8	37.87
Floyd	43.0	12,525	1.08	8.63	155.6	38.97
Harlan	7.0	12,717	1.32	10.10	152.0	38.66
Knott	31.0	12,589	1.16	9.15	157.6	39.67
Leslie	33.0	12,617	1.06	10.79	147.9	37.32
Letcher	38.0	12,445	1.00	9.95	151.8	37.80
Martin	69.0	12,405	.83	8.59	158.3	39.27
Perry	32.0	12,699	1.14	9.30	146.6	37.25
Pike	441.0	12,859	1.00	9.05	153.5	39.49
Virginia	783.0	12,725	1.06	9.31	152.9	38.92
Buchanan	485.0	12,699	.94	9.01	151.6	38.51
Dickenson	32.0	12,816	1.30	9.57	157.2	40.30
Lee	57.0	12,428	1.27	9.86	150.3	37.35
Wise	209.0	12,852	1.22	9.83	156.1	40.11
West Virginia	1,210.0	12,790	.80	9.74	150.7	38.55
Boone	444.0	12,617	.84	10.17	155.7	39.29
Greenbrier	32.0	13,094	1.07	9.26	151.5	39.68
Logan	670.0	12,861	.71	9.57	147.0	37.80
Mcdowell	10.0	13,077	.82	7.62	159.2	41.64
Mingo	54.0	13,085	1.31	9.03	155.3	40.65
Virginia Electric & Power Co Mount Storm	**4,211.0**	**12,332**	**1.76**	**13.72**	**128.9**	**31.79**
Kentucky	1.0	11,500	1.70	16.00	94.6	21.76
Knott	1.0	11,500	1.70	16.00	94.6	21.76
Maryland	915.0	11,980	1.74	15.60	101.4	24.30
Allegany	527.0	11,920	1.74	16.16	106.8	25.47
Garrett	388.0	12,061	1.74	14.85	94.2	22.71
Pennsylvania	9.0	11,328	1.93	17.34	100.3	22.73
Somerset	9.0	11,328	1.93	17.34	100.3	22.73
Virginia	11.0	11,607	1.65	17.19	93.2	21.62
Wise	11.0	11,607	1.65	17.19	93.2	21.62
West Virginia	3,275.0	12,436	1.77	13.17	136.5	33.95
Barbour	8.0	11,308	1.70	18.37	96.5	21.82
Grant	3,066.0	12,491	1.76	12.93	139.2	34.76
Mineral	58.0	11,807	1.46	15.35	93.6	22.11
Preston	23.0	11,397	2.01	15.99	98.7	22.50
Randolph	120.0	11,621	1.94	17.59	94.1	21.88
Virginia Electric & Power Co Chesapeake Energy	**1,368.0**	**12,992**	**.94**	**8.58**	**152.4**	**39.59**
Kentucky	267.0	13,102	.85	8.47	152.3	39.91
Floyd	5.0	12,500	.80	11.00	146.9	36.72
Letcher	34.0	13,061	.78	7.58	146.9	38.37
Perry	5.0	13,238	.87	9.32	151.1	40.01
Pike	223.0	13,119	.86	8.53	153.3	40.22
Virginia	928.0	13,014	.99	8.50	153.0	39.83
Buchanan	417.0	13,054	1.03	8.21	155.5	40.61
Dickenson	32.0	12,508	.87	10.65	150.2	37.57
Lee	22.0	12,358	.98	9.15	144.5	35.72
Wise	457.0	13,044	.97	8.59	151.3	39.47
West Virginia	173.0	12,705	.77	9.20	148.8	37.81
Mcdowell	8.0	12,747	.94	8.42	146.3	37.30
Mingo	113.0	12,550	.74	9.76	151.1	37.92
Wyoming	52.0	13,036	.79	8.09	144.3	37.63
Virginia Electric & Power Co Possum Point	**883.0**	**12,718**	**.93**	**8.71**	**153.8**	**39.13**
Kentucky	611.0	12,782	.94	8.41	154.9	39.59
Floyd	172.0	12,760	.94	7.69	156.1	39.83
Pike	439.0	12,791	.94	8.69	154.4	39.50
Virginia	154.0	12,616	1.00	8.70	151.4	38.21
Buchanan	114.0	12,450	.90	8.72	149.6	37.26
Dickenson	20.0	13,073	1.32	8.96	155.4	40.64
Wise	20.0	13,109	1.24	8.30	157.3	41.24

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Virginia Electric & Power Co Possum Point						
West Virginia	118.0	12,517	0.78	10.29	151.5	37.94
Boone	87.0	12,602	.78	9.97	151.2	38.12
Greenbrier	4.0	12,286	.94	12.10	149.3	36.68
Kanawha	12.0	12,062	.97	12.76	149.8	36.13
Logan	14.0	12,448	.60	9.65	154.6	38.49
Mingo	1.0	12,500	1.30	10.00	164.2	41.05
Virginia Electric & Power Co Yorktown	**807.0**	**12,940**	**1.29**	**7.74**	**161.5**	**41.79**
Kentucky	764.0	12,946	1.30	7.65	162.0	41.95
Bell	6.0	12,964	1.16	7.30	151.2	39.20
Breathitt	72.0	12,742	1.21	8.13	152.9	38.96
Floyd	159.0	12,533	1.24	9.63	153.9	38.57
Knott	65.0	12,728	1.33	7.79	156.3	39.78
Letcher	15.0	12,184	1.28	11.70	148.0	36.06
Pike	447.0	13,184	1.33	6.72	167.6	44.19
Maryland	7.0	12,187	1.53	9.90	150.0	36.56
Allegany	7.0	12,187	1.53	9.90	150.0	36.56
Virginia	23.0	13,049	1.13	8.51	152.9	39.91
Dickenson	16.0	13,279	1.20	8.60	152.9	40.61
Lee	7.0	12,522	.99	8.30	153.0	38.32
West Virginia	13.0	12,772	1.05	10.26	150.1	38.35
Greenbrier	13.0	12,772	1.05	10.26	150.1	38.35
West Penn Power Co Armstrong	**1,040.7**	**12,537**	**1.79**	**10.68**	**118.3**	**29.67**
Pennsylvania	1,040.7	12,537	1.79	10.68	118.3	29.67
Armstrong	524.5	12,407	1.82	11.13	102.9	25.54
Butler	24.2	12,020	1.80	12.52	99.9	24.02
Jefferson	492.0	12,701	1.75	10.11	135.2	34.35
West Penn Power Co Hatfield	**3,915.8**	**12,732**	**2.38**	**10.25**	**142.7**	**36.34**
Pennsylvania	51.7	13,140	1.62	7.04	154.0	40.48
Greene	51.7	13,140	1.62	7.04	154.0	40.48
West Virginia	3,864.2	12,726	2.39	10.29	142.5	36.28
Marion	17.9	12,579	2.51	10.84	154.9	38.96
Monongalia	3,846.2	12,727	2.39	10.29	142.5	36.27
West Penn Power Co Mitchell	**455.3**	**12,157**	**2.64**	**12.54**	**123.0**	**29.91**
West Virginia	455.3	12,157	2.64	12.54	123.0	29.91
Monongalia	455.3	12,157	2.64	12.54	123.0	29.91
West Texas Utilities Co Oklaunion	**1,856.0**	**8,278**	**.35**	**5.13**	**167.9**	**27.79**
Wyoming	1,856.0	8,278	.35	5.13	167.9	27.79
Campbell	1,856.0	8,278	.35	5.13	167.9	27.79
Western Farmers Elec Coop Inc Hugo	**949.9**	**8,626**	**.48**	**5.89**	**176.3**	**30.42**
Oklahoma	55.3	13,652	.73	6.53	184.6	50.40
Haskell	55.3	13,652	.73	6.53	184.6	50.40
Wyoming	894.6	8,315	.47	5.85	175.5	29.19
Campbell	894.6	8,315	.47	5.85	175.5	29.19
Wisconsin Electric Power Co Oak Creek	**1,772.0**	**12,346**	**1.58**	**7.07**	**168.6**	**41.63**
Illinois	1,111.6	11,781	1.59	7.40	186.6	43.97
Franklin	1,081.2	11,774	1.60	7.44	187.7	44.20
Saline	30.4	12,013	1.33	5.80	149.9	36.01
Pennsylvania	660.4	13,298	1.56	6.51	141.7	37.68
Greene	660.4	13,298	1.56	6.51	141.7	37.68
Wisconsin Electric Power Co Pleasant Prairie	**4,366.4**	**8,359**	**.36**	**5.50**	**93.2**	**15.58**
Wyoming	4,366.4	8,359	.36	5.50	93.2	15.58
Campbell	4,366.4	8,359	.36	5.50	93.2	15.58
Wisconsin Electric Power Co Port Washington	**125.3**	**13,170**	**1.80**	**5.94**	**164.5**	**43.32**
Pennsylvania	125.3	13,170	1.80	5.94	164.5	43.32
Greene	125.3	13,170	1.80	5.94	164.5	43.32
Wisconsin Electric Power Co Valley	**404.2**	**12,685**	**1.62**	**9.33**	**185.1**	**46.95**
Pennsylvania	404.2	12,685	1.62	9.33	185.1	46.95
Armstrong	317.8	12,534	1.65	10.21	187.2	46.92
Greene	86.4	13,239	1.53	6.10	177.7	47.05
Wisconsin Power & Light Co Columbia	**2,918.7**	**8,561**	**.52**	**6.91**	**154.7**	**26.48**
Montana	1,595.0	8,618	.68	8.74	165.4	28.51
Rosebud	1,595.0	8,618	.68	8.74	165.4	28.51
Wyoming	1,323.7	8,492	.32	4.70	141.5	24.03
Campbell	1,323.7	8,492	.32	4.70	141.5	24.03
Wisconsin Power & Light Co Edgewater	**2,253.6**	**9,656**	**1.17**	**7.52**	**165.8**	**32.03**

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

Table 49. Origin of Coal Received at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant Origin State County	Quantity (thousand short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	(dollars per short ton)
Wisconsin Power & Light Co Edgewater						
Indiana	1,013.7	11,131	2.18	9.74	166.4	37.04
Daviess	1,013.7	11,131	2.18	9.74	166.4	37.04
Virginia	10.2	14,421	.76	4.90	167.7	48.37
Buchanan	10.2	14,421	.76	4.90	167.7	48.37
Wyoming	1,229.8	8,401	.33	5.70	165.2	27.77
Campbell	1,229.8	8,401	.33	5.70	165.2	27.77
Wisconsin Power & Light Co Nelson Dewey	**440.4**	**11,501**	**1.29**	**6.03**	**139.3**	**32.05**
Colorado	10.2	13,206	.38	8.87	175.1	46.25
Las Animas	10.2	13,206	.38	8.87	175.1	46.25
Illinois	15.3	11,638	1.11	9.31	132.5	30.85
Williamson	15.3	11,638	1.11	9.31	132.5	30.85
Indiana	263.4	11,709	1.48	5.55	137.8	32.26
Spencer	263.4	11,709	1.48	5.55	137.8	32.26
Kentucky	87.5	12,060	1.51	7.16	146.0	35.22
Butler	81.6	11,964	1.57	7.37	143.6	34.36
Knox	6.0	13,376	.70	4.19	175.7	47.00
Montana	35.8	9,364	.38	5.15	127.5	23.89
Big Horn	27.0	9,374	.35	3.99	123.9	23.23
Rosebud	8.8	9,336	.50	8.71	138.8	25.92
Virginia	5.8	13,769	.72	7.01	159.9	44.03
Buchanan	5.8	13,769	.72	7.01	159.9	44.03
Wyoming	22.4	8,829	.25	5.00	121.4	21.44
Campbell	11.2	8,877	.21	4.45	120.6	21.41
Converse	11.2	8,781	.30	5.55	122.2	21.46
Wisconsin Power & Light Co Rock River	**171.5**	**11,771**	**1.26**	**5.91**	**173.1**	**40.75**
Indiana	121.3	11,763	1.32	5.54	172.9	40.68
Spencer	121.3	11,763	1.32	5.54	172.9	40.68
Kentucky	29.3	11,991	1.61	7.23	168.3	40.37
Butler	29.3	11,991	1.61	7.23	168.3	40.37
Montana	9.0	9,612	.36	3.68	157.0	30.18
Big Horn	9.0	9,612	.36	3.68	157.0	30.18
New Mexico	10.1	12,788	.33	8.75	196.3	50.21
Colfax	10.1	12,788	.33	8.75	196.3	50.21
Virginia	1.8	13,818	.68	4.37	186.2	51.46
Buchanan	1.8	13,818	.68	4.37	186.2	51.46
Wisconsin Public Service Corp Pulliam	**487.0**	**11,068**	**2.52**	**10.26**	**180.1**	**39.86**
Indiana	467.0	10,996	2.51	10.32	182.0	40.02
Daviess	467.0	10,996	2.51	10.32	182.0	40.02
Pennsylvania	20.0	12,750	2.60	8.90	142.4	36.31
Clarion	20.0	12,750	2.60	8.90	142.4	36.31
Wisconsin Public Service Corp Weston	**1,470.0**	**9,264**	**.50**	**5.47**	**197.5**	**36.59**
Indiana	234.0	11,283	1.35	8.33	194.3	43.85
Daviess	137.0	11,052	1.66	9.31	190.5	42.10
Greene	97.0	11,609	.92	6.95	199.5	46.31
Wyoming	1,236.0	8,882	.34	4.93	198.2	35.22
Campbell	1,236.0	8,882	.34	4.93	198.2	35.22
Wyandotte Municipal Serv Comm Wyandotte	**90.1**	**13,270**	**.73**	**7.06**	**182.0**	**48.31**
West Virginia	90.1	13,270	.73	7.06	182.0	48.31
Boone	90.1	13,270	.73	7.06	182.0	48.31
Total	**721,298.0**	**10,569**	**1.38**	**10.00**	**150.6**	**31.83**

* = 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."

Plant Fossil Fuel Data 1987

Background

This section 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.

Reference to coal in Table 51 include bituminous, subbituminous, lignite, anthracite, and small quantities of petroleum coke.

Reference to Petroleum in Table 51 include 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.

Reference to gas include natural gas, coke-oven gas, blast-furnace gas, and refinery gas.

A list of all holding companies listed in this chapter can be found in the section "Coal, Origin-by-Destination".

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 the Gorgas plant to either the Barry plant or the Greene plant are not included in this report. Most coal delivered to the Barry plant and the Greene plant is reported as receipts at the Gorgas. plant.

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

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

Tennessee Valley Authority

The price of coal delivered to Tennessee Valley Authority (TVA) reflects the actual cost of coal in 1987. Adjustments reported monthly by the TVA 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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Alabama Electric Coop Inc	-	-	-	-	-	-	1,151.0	11,990	1.37	12.02	157.0	37.65
Tombigbee (AL)	-	-	-	-	-	-	1,151.0	11,990	1.37	12.02	157.0	37.65
Alabama Power Co	13,183.7	12,384	1.21	11.67	212.3	52.58	612.2	12,175	1.52	12.28	128.8	31.37
Barry (AL)	495.8	12,535	1.11	11.38	217.7	54.57	117.1	12,059	1.02	11.42	151.8	36.61
Gadsden (AL)	150.5	12,640	1.87	11.94	212.5	53.72	52.6	12,604	1.28	11.20	133.1	33.55
Gorgas 2 and 3 (AL)	5,210.3	12,141	.98	12.40	193.4	46.96	315.5	12,124	1.55	12.76	124.7	30.24
Greene (AL)	954.3	12,723	1.43	10.53	201.6	51.29	32.0	12,285	1.48	13.14	124.0	30.47
Gaston (AL)	3,470.2	12,370	2.03	11.96	199.1	49.27	95.1	12,210	2.15	12.03	113.6	27.75
James Miller (AL)	2,902.6	12,685	.56	10.42	262.7	66.64	-	-	-	-	-	-
Alamito Co	908.7	9,617	.77	13.89	179.5	34.52	-	-	-	-	-	-
Springerville (AZ)	908.7	9,617	.77	13.89	179.5	34.52	-	-	-	-	-	-
Ames City of	135.8	8,503	.27	5.13	142.3	24.20	4.5	8,746	.22	4.47	116.9	20.45
Ames (IA)	135.8	8,503	.27	5.13	142.3	24.20	4.5	8,746	.22	4.47	116.9	20.45
Appalachian Power Co	10,172.4	12,526	.74	10.73	171.0	42.85	1,842.2	12,455	.77	10.77	111.9	27.87
Clinch River (VA)	1,263.0	12,814	.77	11.57	161.0	41.26	-	-	-	-	-	-
Glen Lyn (VA)	369.7	12,243	.87	13.05	185.8	45.51	-	-	-	-	-	-
Amos (WV)	5,290.1	12,482	.76	10.43	171.6	42.85	1,078.8	12,376	.82	11.33	109.3	27.04
Kanawha River (WV)	541.5	11,714	.75	14.61	140.0	32.80	130.2	12,290	.82	11.39	108.4	26.64
Mountaineer (WV)	2,708.1	12,678	.66	9.82	178.4	45.24	633.2	12,625	.66	9.70	116.9	29.52
Arizona Electric Pwr Coop Inc	222.8	11,205	.50	14.31	220.2	49.35	-	-	-	-	-	-
Apache (AZ)	222.8	11,205	.50	14.31	220.2	49.35	-	-	-	-	-	-
Arizona Public Service Co	11,176.0	9,081	.71	20.10	109.8	19.95	-	-	-	-	-	-
Cholla (AZ)	2,648.8	10,030	.52	14.20	152.3	30.54	-	-	-	-	-	-
Four Corners (NM)	8,527.3	8,786	.77	21.94	94.8	16.66	-	-	-	-	-	-
Arkansas Power & Light Co	9,853.6	8,729	.32	5.62	157.5	27.49	191.7	8,645	.28	4.71	131.1	22.67
Whitebluff (AR)	4,811.5	8,600	.45	6.39	167.9	28.88	33.9	8,736	.22	4.80	138.1	24.13
Independence (AR)	5,042.1	8,851	.20	4.88	147.8	26.16	157.8	8,625	.29	4.69	129.6	22.36
Associated Electric Coop Inc	5,110.6	10,664	3.96	10.42	140.5	29.96	-	-	-	-	-	-
Madrid (MO)	2,053.9	10,887	3.39	10.61	136.9	29.80	-	-	-	-	-	-
Hill (MO)	3,056.7	10,514	4.35	10.28	143.0	30.06	-	-	-	-	-	-
Atlantic City Electric Co	548.0	13,048	2.71	9.96	168.1	43.86	68.0	13,015	2.33	8.43	169.8	44.19
England (NJ)	548.0	13,048	2.71	9.96	168.1	43.86	68.0	13,015	2.33	8.43	169.8	44.19
Baltimore Gas & Electric Co	1,814.0	12,745	.76	9.91	164.1	41.84	815.0	13,235	1.87	7.47	156.5	41.41
Brandon Shores (MD)	1,332.0	12,635	.73	10.46	165.4	41.79	23.0	12,769	.71	10.17	143.1	36.55
Crane (MD)	-	-	-	-	-	-	654.0	13,308	2.13	7.17	157.5	41.92
Wagner (MD)	482.0	13,049	.86	8.38	160.8	41.96	138.0	12,965	.85	8.44	153.7	39.84
Basin Electric Power Coop	12,911.0	7,460	.51	7.02	73.5	10.97	-	-	-	-	-	-
Leland Olds (ND)	1,419.7	6,657	.83	8.47	98.3	13.08	-	-	-	-	-	-
Laramie River (WY)	6,277.4	8,304	.37	5.48	70.2	11.66	-	-	-	-	-	-
Antelope Valley (ND)	5,213.9	6,663	.59	8.47	71.8	9.57	-	-	-	-	-	-
Big Rivers Electric Corp	5,025.9	11,171	3.13	12.07	122.0	27.26	29.9	10,924	2.46	9.21	82.6	18.04
Coleman (KY)	1,339.2	11,321	2.27	8.81	118.5	26.83	-	-	-	-	-	-
Reid-Henderson (KY)	1,076.7	11,796	2.53	8.44	123.6	29.16	26.9	10,987	2.44	8.82	85.5	18.79
R D Green (KY)	1,440.9	10,533	3.60	15.46	115.3	24.29	3.0	10,354	2.62	12.70	55.0	11.39
Wilson (KY)	1,169.1	11,209	4.07	14.99	132.2	29.64	-	-	-	-	-	-
Cajun Electric Power Coop Inc	3,796.3	8,621	.48	5.68	166.4	28.70	-	-	-	-	-	-
Big Cajun No.2 (LA)	3,796.3	8,621	.48	5.68	166.4	28.70	-	-	-	-	-	-
Cardinal Operating Co	3,599.0	11,766	2.15	13.73	163.0	38.35	254.8	12,006	3.03	11.71	117.3	28.16
Cardinal (OH)	3,599.0	11,766	2.15	13.73	163.0	38.35	254.8	12,006	3.03	11.71	117.3	28.16
Carolina Power & Light Co	8,696.9	12,580	.91	9.43	182.1	45.83	1,012.6	12,633	1.03	10.15	142.6	36.02
Asheville (NC)	795.0	13,298	1.13	7.90	133.6	35.54	81.7	12,993	1.08	10.04	121.2	31.50
Cape Fear (NC)	208.9	13,021	1.31	7.53	188.3	49.03	144.9	12,311	1.02	11.93	143.5	35.33
Lee (NC)	235.7	12,770	1.15	8.89	202.9	51.81	217.7	12,799	.91	10.11	144.1	36.90
Roxboro (NC)	5,124.7	12,589	.92	9.10	186.0	46.83	227.4	12,587	1.01	8.73	137.5	34.62
Sutton (NC)	324.9	12,674	1.07	11.18	189.5	48.03	159.7	12,712	.90	9.31	152.5	38.77
Weatherspoon (NC)	89.3	12,684	1.23	9.75	174.1	44.17	51.8	12,553	1.06	10.35	153.1	38.42
Robinson (SC)	78.8	12,594	1.50	10.21	173.4	43.67	129.4	12,500	1.36	11.75	145.0	36.26
Mayo (NC)	1,839.6	12,148	.63	10.94	189.9	46.13	-	-	-	-	-	-

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Cedar Falls City of	-	-	-	-	-	-	26.5	11,149	2.52	9.78	124.5	27.76
Streeter (IA)	-	-	-	-	-	-	26.5	11,149	2.52	9.78	124.5	27.76
Central Electric Pwr Coop-MO	-	-	-	-	-	-	91.0	11,159	2.94	9.74	114.9	25.65
Chamois (MO)	-	-	-	-	-	-	91.0	11,159	2.94	9.74	114.9	25.65
Central Hudson Gas & Elec Corp	466.9	13,266	0.57	7.68	187.9	49.85	-	-	-	-	-	-
Danskammer (NY)	466.9	13,266	.57	7.68	187.9	49.85	-	-	-	-	-	-
Central Illinois Light Co	1,775.0	12,006	2.03	7.03	192.0	46.10	434.0	12,070	1.40	7.55	153.4	37.02
Edwards (IL)	929.0	13,352	.70	5.74	170.0	45.41	434.0	12,070	1.40	7.55	153.4	37.02
Duck Creek (IL)	846.0	10,527	3.49	8.45	222.6	46.86	-	-	-	-	-	-
Central Illinois Pub Serv Co	4,516.1	11,124	2.93	9.53	170.4	37.91	276.8	11,477	.75	7.61	144.6	33.18
Coffeen (IL)	1,572.3	10,524	3.81	9.27	178.2	37.51	-	-	-	-	-	-
Grand Tower (IL)	219.7	11,710	3.15	11.43	169.1	39.61	-	-	-	-	-	-
Hutsonville (IL)	317.1	11,174	2.65	10.82	156.9	35.06	26.8	10,694	2.50	10.38	97.8	20.91
Meredosia (IL)	580.4	11,300	2.58	5.63	150.2	33.93	-	-	-	-	-	-
Newton (IL)	1,826.6	11,506	2.31	10.55	173.0	39.81	250.0	11,561	.56	7.31	149.2	34.50
Central Iowa Power Coop	75.3	11,697	2.69	11.01	127.0	29.72	91.9	11,498	2.87	10.27	100.4	23.09
Fair (IA)	75.3	11,697	2.69	11.01	127.0	29.72	91.9	11,498	2.87	10.27	100.4	23.09
Central Louisiana Elec Co Inc	4,650.0	7,590	.51	9.64	148.1	22.48	-	-	-	-	-	-
Dolet Hills (LA)	2,689.0	6,878	.55	12.15	121.6	16.72	-	-	-	-	-	-
Rodemacher (LA)	1,961.0	8,565	.44	6.20	177.3	30.38	-	-	-	-	-	-
Central Operating Co	602.6	12,945	.85	8.45	174.5	45.17	1,096.9	12,220	1.19	11.86	112.5	27.49
Sporn (WV)	602.6	12,945	.85	8.45	174.5	45.17	1,096.9	12,220	1.19	11.86	112.5	27.49
Central Power & Light Co	1,506.1	10,713	.36	4.72	219.8	47.10	452.3	11,099	.39	8.50	160.8	35.69
Coleto Creek (TX)	1,506.1	10,713	.36	4.72	219.8	47.10	452.3	11,099	.39	8.50	160.8	35.69
Cincinnati Gas & Electric Co	4,870.8	11,572	1.75	12.59	167.9	38.85	1,499.6	11,600	1.71	11.34	110.3	25.59
Beckjord (OH)	1,453.4	11,355	1.60	14.03	171.4	38.93	156.1	11,210	2.51	12.61	93.0	20.86
Miami Fort (OH)	2,351.4	11,839	1.59	11.94	168.5	39.90	895.0	11,831	1.30	11.18	117.1	27.70
East Bend (KY)	1,066.0	11,281	2.28	12.06	161.5	36.43	448.5	11,274	2.25	11.23	102.2	23.03
Cleveland Electric Illum Co	3,431.0	12,390	3.03	10.06	164.9	40.85	2,448.0	12,615	2.26	8.79	134.0	33.81
Ashtabula (OH)	476.0	12,233	4.01	10.83	163.8	40.09	603.0	13,031	2.48	7.04	134.4	35.02
Avon Lake (OH)	1,768.0	12,448	2.50	9.85	160.7	40.00	112.0	12,482	2.34	9.39	134.2	33.50
Eastlake (OH)	1,043.0	12,285	3.79	10.62	164.6	40.45	1,525.0	12,377	2.38	9.92	131.2	32.47
Lake Shore (OH)	144.0	12,959	.64	5.97	218.9	56.74	208.0	13,226	.68	5.32	152.5	40.33
Colorado Springs City of	1,134.8	10,551	.34	6.46	172.8	36.46	177.8	11,417	.49	9.24	98.0	22.37
Drake (CO)	672.8	10,596	.35	6.08	171.7	36.39	-	-	-	-	-	-
Nixon (CO)	462.0	10,486	.33	7.01	174.3	36.55	177.8	11,417	.49	9.24	98.0	22.37
Colorado Ute Electric Assn Inc	5,020.4	10,364	.40	8.04	90.9	18.84	119.4	10,483	.70	8.48	72.7	15.25
Hayden (CO)	1,723.4	10,687	.44	10.17	73.9	15.79	23.4	10,390	2.20	11.93	47.4	9.85
Nucla (CO)	32.8	10,128	.84	15.71	108.3	21.94	-	-	-	-	-	-
Craig (CO)	3,264.2	10,195	.37	6.84	100.1	20.41	96.0	10,506	.34	7.64	78.8	16.56
Columbia City of	63.0	10,656	4.07	11.28	161.7	34.45	-	-	-	-	-	-
Columbia (MO)	63.0	10,656	4.07	11.28	161.7	34.45	-	-	-	-	-	-
Columbus & Southern Ohio El Co	3,400.6	11,978	3.04	8.21	157.0	37.60	10.1	11,305	2.08	11.60	100.0	22.61
Conesville (OH)	3,092.1	12,011	3.06	8.10	160.5	38.56	10.1	11,305	2.08	11.60	100.0	22.61
Picway (OH)	202.3	11,673	2.86	9.45	122.2	28.54	-	-	-	-	-	-
Poston (OH)	106.2	11,587	2.85	9.23	115.8	26.84	-	-	-	-	-	-
Columbus City of	-	-	-	-	-	-	55.7	12,274	.78	8.65	163.1	40.03
Refuse & Coal (OH)	-	-	-	-	-	-	55.7	12,274	.78	8.65	163.1	40.03
Commonwealth Edison Co IN Inc	985.0	9,506	.36	4.39	294.7	56.03	-	-	-	-	-	-
State Line (IN)	985.0	9,506	.36	4.39	294.7	56.03	-	-	-	-	-	-
Commonwealth Edison Co	10,378.5	9,674	1.04	7.06	288.6	55.83	-	-	-	-	-	-
Crawford (IL)	547.0	9,551	.43	7.97	360.0	68.77	-	-	-	-	-	-
Joliet (IL)	1,970.0	9,521	.43	6.88	338.2	64.41	-	-	-	-	-	-
Kincaid (IL)	2,152.0	10,311	3.40	9.89	165.5	34.12	-	-	-	-	-	-
Powerton (IL)	2,782.0	9,448	.41	4.66	284.3	53.72	-	-	-	-	-	-
Waukegan (IL)	1,088.0	9,554	.42	7.40	330.0	63.05	-	-	-	-	-	-
Will County (IL)	1,504.0	9,537	.42	6.97	349.9	66.74	-	-	-	-	-	-
Fisk (IL)	335.5	9,569	.44	7.70	359.2	68.75	-	-	-	-	-	-

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

Table 50. Contract and Spot Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Consumers Power Co	**5,142.1**	**12,375**	**0.94**	**9.48**	**191.1**	**47.29**	**1,705.9**	**12,461**	**0.85**	**10.14**	**151.5**	**37.75**
Cobb (MI)	445.2	12,750	.81	7.87	202.4	51.61	498.5	12,390	1.00	10.51	148.2	36.73
Karn-Weadock (MI)	927.9	12,409	.82	9.95	195.4	48.50	148.9	12,269	.86	10.95	152.4	37.39
Campbell (MI)	2,519.4	12,183	1.06	9.97	188.7	45.97	745.4	12,559	.77	9.54	156.3	39.26
Weadock (MI)	647.2	12,587	.83	8.27	192.3	48.41	82.6	12,425	.94	11.14	147.2	36.59
Whiting (MI)	602.4	12,618	.81	9.19	184.5	46.56	230.5	12,435	.78	10.39	143.6	35.72
Coop Power Assn	**4,592.2**	**6,254**	**.70**	**10.45**	**93.7**	**11.72**	**-**	**-**	**-**	**-**	**-**	**-**
Coal Creek (ND)	4,592.2	6,254	.70	10.45	93.7	11.72	-	-	-	-	-	-
Dairyland Power Coop	**1,986.7**	**9,733**	**.87**	**5.62**	**135.6**	**26.41**	**26.8**	**9,323**	**.41**	**4.71**	**113.7**	**21.20**
Alma-Madgett (WI)	1,473.8	9,122	.65	5.35	134.2	24.48	9.3	8,294	.29	4.40	103.4	17.15
Genoa No.3 (WI)	490.5	11,428	1.48	6.36	138.9	31.75	11.7	8,294	.29	4.40	107.4	17.82
Stoneman (WI)	22.5	12,815	2.07	7.09	141.5	36.27	5.8	13,048	.84	5.85	132.2	34.50
Dayton Power & Light Co	**4,884.7**	**11,665**	**1.26**	**13.94**	**191.8**	**44.74**	**3,843.9**	**11,838**	**1.26**	**12.49**	**113.1**	**26.77**
Hutchings (OH)	48.7	12,571	.63	10.56	212.2	53.35	332.7	12,268	.81	11.36	139.6	34.24
Stuart (OH)	4,535.1	11,604	1.31	14.17	191.2	44.38	2,010.4	11,207	1.76	14.67	99.7	22.35
Killen (OH)	300.9	12,436	.62	11.08	195.5	48.63	1,500.8	12,588	.68	9.82	123.2	31.02
Deepwater Operating Co	**173.0**	**13,153**	**.77**	**7.52**	**164.4**	**43.25**	**14.0**	**12,727**	**.89**	**11.00**	**162.0**	**41.24**
Deepwater (NJ)	173.0	13,153	.77	7.52	164.4	43.25	14.0	12,727	.89	11.00	162.0	41.24
Delmarva Power & Light Co	**2,069.7**	**13,075**	**1.03**	**8.67**	**184.6**	**48.26**	**352.7**	**13,012**	**.90**	**9.03**	**161.0**	**41.90**
Edgemoor (DE)	549.1	13,377	.77	7.59	190.7	51.01	96.4	13,220	.74	8.34	155.7	41.16
Indian River (DE)	1,520.5	12,965	1.13	9.07	182.3	47.27	256.3	12,934	.96	9.28	163.0	42.18
Deseret Generation & Tran Coop	**1,050.0**	**10,698**	**.42**	**8.80**	**206.0**	**44.08**	**-**	**-**	**-**	**-**	**-**	**-**
Bonanza (UT)	1,050.0	10,698	.42	8.80	206.0	44.08	-	-	-	-	-	-
Detroit Edison Co	**14,750.0**	**11,421**	**.68**	**6.01**	**182.0**	**41.57**	**4,853.0**	**10,898**	**.64**	**5.73**	**134.4**	**29.30**
Conners Creek (MI)	125.0	12,983	.82	7.06	241.0	62.57	-	-	-	-	-	-
Harbor Beach (MI)	65.0	13,318	.78	6.36	219.1	58.35	29.0	12,996	.83	8.18	148.0	38.48
Marysville (MI)	165.0	12,862	.75	8.66	242.0	62.24	-	-	-	-	-	-
Monroe (MI)	5,887.0	12,924	.93	6.67	180.3	46.60	1,745.0	12,392	.92	6.76	135.6	33.61
River Rouge (MI)	981.0	12,198	.78	10.11	214.3	52.29	37.0	12,784	.76	8.22	144.8	37.03
St Clair (MI)	3,450.0	9,725	.47	4.54	167.7	32.63	1,345.0	9,502	.53	4.74	129.1	24.54
Trenton Channel (MI)	908.0	13,057	.80	7.98	218.5	57.06	497.0	13,008	.76	7.31	149.2	38.80
Belle River (MI)	3,169.0	9,589	.37	4.35	166.7	31.97	1,200.0	9,307	.32	4.57	128.6	23.94
Duke Power Co	**7,091.0**	**12,531**	**.94**	**9.94**	**185.9**	**46.59**	**1,476.0**	**12,410**	**.95**	**10.25**	**144.7**	**35.92**
Allen (NC)	701.0	12,595	.93	10.81	182.9	46.08	-	-	-	-	-	-
Buck (NC)	84.0	12,756	.98	9.58	200.6	51.18	23.0	12,647	.79	10.83	142.6	36.08
Cliffside (NC)	780.0	12,548	1.01	9.68	190.7	47.85	165.0	12,595	1.01	10.41	136.5	34.38
Dan River (NC)	54.0	12,500	.90	10.29	197.8	49.44	29.0	12,770	1.08	9.91	147.5	37.66
Marshall (NC)	2,222.0	12,622	.95	10.54	184.9	46.68	885.0	12,329	.96	10.38	147.4	36.35
Riverbend (NC)	54.0	12,750	1.04	8.92	188.1	47.97	8.0	12,306	1.03	8.50	153.6	37.80
Lee (SC)	41.0	12,569	.99	9.40	196.7	49.44	198.0	12,620	.96	10.12	148.2	37.41
Belews Creek (NC)	3,155.0	12,440	.93	9.42	185.3	46.10	168.0	12,312	.84	9.61	134.3	33.07
Duquesne Light Co	**2,171.0**	**12,221**	**1.60**	**13.03**	**159.3**	**38.94**	**203.0**	**12,109**	**1.79**	**13.75**	**119.3**	**28.90**
Elrama (PA)	736.0	12,042	1.76	13.97	160.7	38.71	42.0	12,170	1.90	13.01	113.4	27.60
Phillips (PA)	142.0	12,021	1.93	14.01	154.0	37.03	-	-	-	-	-	-
Cheswick (PA)	1,293.0	12,345	1.46	12.38	159.1	39.28	161.0	12,093	1.76	13.94	120.9	29.24
East Kentucky Power Coop	**1,045.0**	**11,724**	**1.86**	**11.97**	**114.1**	**26.76**	**2,153.4**	**11,991**	**1.07**	**11.10**	**108.6**	**26.05**
Cooper (KY)	376.0	12,132	1.66	11.35	128.1	31.09	460.2	11,972	1.70	11.52	100.8	24.13
Dale (KY)	-	-	-	-	-	-	282.2	12,334	.85	9.50	109.2	26.94
Spurlock (KY)	669.0	11,495	1.98	12.33	105.8	24.33	1,411.0	11,929	.92	11.29	111.0	26.49
Electric Energy Inc	**1,495.0**	**11,805**	**2.03**	**8.24**	**174.6**	**41.22**	**527.0**	**11,629**	**1.62**	**7.51**	**124.1**	**28.86**
Joppa (IL)	1,495.0	11,805	2.03	8.24	174.6	41.22	527.0	11,629	1.62	7.51	124.1	28.86
Empire District Electric Co	**452.6**	**10,548**	**6.05**	**23.83**	**114.0**	**24.04**	**396.4**	**11,916**	**2.68**	**12.71**	**137.2**	**32.70**
Riverton (KS)	-	-	-	-	-	-	211.3	11,830	1.84	11.82	146.2	34.59
Asbury (MO)	452.6	10,548	6.05	23.83	114.0	24.04	185.1	12,014	3.64	13.72	127.1	30.53
Florida Power Corp	**4,179.2**	**12,537**	**.84**	**9.07**	**193.1**	**48.42**	**1,650.9**	**12,869**	**.79**	**8.01**	**161.1**	**41.46**
Crystal River (FL)	4,179.2	12,537	.84	9.07	193.1	48.42	1,650.9	12,869	.79	8.01	161.1	41.46
Fremont City of	**77.9**	**12,219**	**.58**	**7.58**	**173.9**	**42.50**	**41.0**	**8,026**	**.35**	**7.29**	**89.8**	**14.41**
Wright (NE)	77.9	12,219	.58	7.58	173.9	42.50	41.0	8,026	.35	7.29	89.8	14.41
Gainesville City of	**-**	**-**	**-**	**-**	**-**	**-**	**445.8**	**13,390**	**.79**	**6.81**	**168.2**	**45.05**
Deerhaven (FL)	-	-	-	-	-	-	445.8	13,390	.79	6.81	168.2	45.05

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 50. Contract and Spot Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Georgia Power Co	**21,126.4**	**12,107**	**1.80**	**9.83**	**186.8**	**45.22**	**4,447.9**	**12,349**	**1.55**	**10.58**	**145.0**	**35.81**
Arkwright (GA)	238.8	12,535	2.12	11.09	174.2	43.68	46.4	12,569	2.07	10.58	151.0	37.95
Atkinson-Mcdonough (GA)	1,316.1	11,629	2.64	9.64	174.5	40.57	128.2	12,247	1.77	10.63	127.4	31.20
Bowen (GA)	6,971.5	12,256	1.60	10.62	164.6	40.36	920.1	12,200	1.52	10.81	146.1	35.65
Hammond (GA)	1,822.5	12,758	1.85	9.54	161.7	41.26	138.6	12,522	1.58	10.67	142.8	35.75
Harllee Branch (GA)	2,326.1	12,508	1.17	10.35	189.1	47.31	1,470.6	12,181	1.45	10.50	142.7	34.76
Mitchell (GA)	139.9	12,778	1.32	9.46	203.1	51.90	266.9	12,506	1.39	9.90	166.8	41.73
Yates (GA)	1,863.8	11,721	2.23	9.94	190.7	44.70	1,177.9	12,626	1.62	10.79	141.8	35.80
Wansley (GA)	4,494.8	11,457	2.47	8.62	187.7	43.01	163.6	11,952	2.63	11.19	143.6	34.33
Scherer (GA)	1,952.9	12,577	.65	9.39	287.1	72.22	135.6	12,778	.70	8.49	165.2	42.21
Grand Haven City of	**99.9**	**10,958**	**2.56**	**10.48**	**177.4**	**38.89**	**82.8**	**10,974**	**2.59**	**10.54**	**132.1**	**29.00**
J B Simms (MI)	99.9	10,958	2.56	10.48	177.4	38.89	82.8	10,974	2.59	10.54	132.1	29.00
Grand Island City of	**224.7**	**8,088**	**.37**	**6.07**	**178.4**	**28.87**	**-**	**-**	**-**	**-**	**-**	**-**
Platte (NE)	224.7	8,088	.37	6.07	178.4	28.87	-	-	-	-	-	-
Grand River Dam Authority	**2,150.5**	**8,464**	**.49**	**5.48**	**142.8**	**24.17**	**-**	**-**	**-**	**-**	**-**	**-**
GRDA No 1 (OK)	2,150.5	8,464	.49	5.48	142.8	24.17	-	-	-	-	-	-
Gulf Power Co	**1,503.3**	**12,046**	**2.72**	**9.81**	**221.2**	**53.29**	**1,736.4**	**12,422**	**2.92**	**9.56**	**123.3**	**30.62**
Crist (FL)	1,100.2	12,065	2.86	9.60	220.9	53.31	966.3	12,399	2.95	9.56	119.6	29.67
Scholtz (FL)	-	-	-	-	-	-	317.8	12,434	2.81	9.28	136.3	33.90
Smith (FL)	403.1	11,992	2.33	10.39	221.9	53.23	452.3	12,464	2.95	9.78	121.8	30.37
Gulf States Utilities Co	**2,181.0**	**8,573**	**.46**	**6.55**	**191.8**	**32.88**	**-**	**-**	**-**	**-**	**-**	**-**
Nelson (LA)	2,181.0	8,573	.46	6.55	191.8	32.88	-	-	-	-	-	-
Hamilton City of	**98.7**	**12,441**	**.64**	**9.04**	**141.4**	**35.19**	**-**	**-**	**-**	**-**	**-**	**-**
Hamilton (OH)	98.7	12,441	.64	9.04	141.4	35.19	-	-	-	-	-	-
Hastings City of	**163.3**	**8,070**	**.39**	**6.25**	**178.1**	**28.75**	**-**	**-**	**-**	**-**	**-**	**-**
Hastings (NE)	163.3	8,070	.39	6.25	178.1	28.75	-	-	-	-	-	-
Holland City of	**-**	**-**	**-**	**-**	**-**	**-**	**148.3**	**13,067**	**.84**	**7.41**	**159.4**	**41.66**
James De Young (MI)	-	-	-	-	-	-	148.3	13,067	.84	7.41	159.4	41.66
Holyoke Water Power Co	**-**	**-**	**-**	**-**	**-**	**-**	**392.1**	**13,250**	**1.42**	**7.47**	**173.1**	**45.86**
Mount Tom (MA)	-	-	-	-	-	-	392.1	13,250	1.42	7.47	173.1	45.86
Hoosier Energy R E C Inc	**1,935.2**	**10,901**	**3.44**	**9.87**	**167.3**	**36.47**	**675.9**	**11,060**	**3.42**	**11.81**	**86.0**	**19.03**
Frank E Ratts (IN)	605.4	11,076	2.90	9.25	130.0	28.79	-	-	-	-	-	-
Merom (IN)	1,329.8	10,822	3.69	10.15	184.6	39.96	675.9	11,060	3.42	11.81	86.0	19.03
Houston Lighting & Power Co	**15,901.2**	**7,521**	**.69**	**11.36**	**213.1**	**32.06**	**-**	**-**	**-**	**-**	**-**	**-**
Limestone (TX)	7,450.7	6,502	1.06	17.97	156.2	20.31	-	-	-	-	-	-
Parish (TX)	8,450.5	8,420	.37	5.54	251.9	42.41	-	-	-	-	-	-
Illinois Power Co	**6,379.1**	**11,000**	**2.64**	**9.82**	**145.9**	**32.10**	**1,232.4**	**11,983**	**1.02**	**9.42**	**133.8**	**32.07**
Baldwin (IL)	4,779.2	10,876	2.84	10.23	145.5	31.64	-	-	-	-	-	-
Havana (IL)	-	-	-	-	-	-	689.9	12,548	.64	9.02	136.5	34.25
Hennepin (IL)	704.0	10,911	2.83	10.19	142.4	31.08	-	-	-	-	-	-
Vermilion (IL)	276.5	10,746	2.39	12.27	128.9	27.70	325.7	10,847	2.05	11.10	113.5	24.63
Wood River (IL)	619.4	12,175	.96	5.20	159.0	38.71	216.7	11,892	.69	8.19	152.7	36.33
Independence City of	**91.0**	**11,983**	**3.36**	**12.43**	**164.1**	**39.33**	**71.9**	**11,939**	**3.39**	**11.79**	**164.0**	**39.15**
Blue Valley (MO)	91.0	11,983	3.36	12.43	164.1	39.33	71.9	11,939	3.39	11.79	164.0	39.15
Indiana & Michigan Electric Co	**5,156.7**	**9,426**	**1.24**	**6.81**	**157.9**	**29.76**	**278.2**	**11,083**	**3.29**	**9.95**	**98.1**	**21.75**
Breed (IN)	670.9	11,064	4.15	11.08	147.9	32.74	-	-	-	-	-	-
Tanners Creek (IN)	1,214.0	11,746	2.00	8.09	173.2	40.68	278.2	11,083	3.29	9.95	98.1	21.75
Rockport (IN)	3,273.8	8,231	.35	5.46	152.5	25.10	-	-	-	-	-	-
Indiana-Kentucky Electric Corp	**2,845.0**	**11,593**	**3.28**	**9.95**	**111.1**	**25.75**	**1,967.0**	**11,461**	**3.31**	**10.83**	**99.5**	**22.81**
Clifty Creek (IN)	2,845.0	11,593	3.28	9.95	111.1	25.75	1,967.0	11,461	3.31	10.83	99.5	22.81
Indianapolis Power & Light Co	**5,315.0**	**11,235**	**2.12**	**7.85**	**123.5**	**27.74**	**593.0**	**11,451**	**1.32**	**7.70**	**95.4**	**21.84**
Stout (IN)	1,022.0	11,242	1.76	8.06	136.5	30.68	17.0	11,254	.89	6.45	117.3	26.40
Pritchard (IN)	323.0	11,261	2.24	7.67	131.2	29.55	-	-	-	-	-	-
Petersburg (IN)	3,970.0	11,231	2.21	7.82	119.5	26.83	576.0	11,457	1.33	7.74	94.7	21.70
Interstate Power Co	**1,374.5**	**9,485**	**1.44**	**6.78**	**188.7**	**35.81**	**191.9**	**10,980**	**2.31**	**10.43**	**116.9**	**25.66**
Dubuque (IA)	142.7	11,055	3.12	9.79	164.2	36.30	-	-	-	-	-	-
Lansing (IA)	800.8	8,399	.32	4.60	212.4	35.68	41.8	10,953	2.56	9.23	102.4	22.44

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Interstate Power Co												
Kapp (IA)	431.0	10,984	2.97	9.84	163.3	35.88	70.4	11,404	2.87	11.47	95.8	21.86
Fox Lake (MN)	-	-	-	-	-	-	79.7	10,620	1.69	10.14	144.6	30.72
Iowa Electric Light & Power Co	**818.0**	**11,375**	**2.22**	**7.78**	**132.0**	**30.04**	**22.0**	**10,671**	**2.01**	**9.51**	**126.2**	**26.94**
6th St (IA)	78.0	11,747	2.28	7.74	133.9	31.46	-	-	-	-	-	-
Praire Creek (IA)	477.0	11,718	2.19	7.59	130.7	30.63	-	-	-	-	-	-
Sutherland (IA)	263.0	10,643	2.24	8.14	134.1	28.54	22.0	10,671	2.01	9.51	126.2	26.94
Iowa Power & Light Co	**2,113.9**	**8,348**	**.38**	**5.15**	**108.3**	**18.09**	**556.8**	**8,282**	**.35**	**5.06**	**69.3**	**11.48**
Council Bluffs (IA)	2,113.9	8,348	.38	5.15	108.3	18.09	556.8	8,282	.35	5.06	69.3	11.48
Iowa Public Service Co	**3,007.2**	**9,346**	**.52**	**6.43**	**119.5**	**22.34**	**-**	**-**	**-**	**-**	**-**	**-**
George Neal 1-4 (IA)	3,007.2	9,346	.52	6.43	119.5	22.34	-	-	-	-	-	-
Iowa Southern Utilities Co	**2,514.9**	**8,642**	**.62**	**6.27**	**109.7**	**18.97**	**135.9**	**10,566**	**1.48**	**7.12**	**99.4**	**21.01**
Burlington (IA)	324.8	10,856	2.34	9.84	105.0	22.79	135.9	10,566	1.48	7.12	99.4	21.01
Ottumwa (IA)	2,190.1	8,314	.37	5.74	110.6	18.40	-	-	-	-	-	-
Iowa-Illinois Gas&Electric Co	**2,276.0**	**8,604**	**.55**	**5.84**	**112.6**	**19.38**	**34.0**	**8,343**	**.39**	**5.60**	**80.1**	**13.37**
Riverside (IA)	210.0	11,561	2.27	8.73	108.0	24.97	-	-	-	-	-	-
Louisa (IA)	2,066.0	8,303	.37	5.54	113.3	18.81	34.0	8,343	.39	5.60	80.1	13.37
Jacksonville Electric Auth	**1,139.7**	**12,643**	**.92**	**9.24**	**166.3**	**42.06**	**626.7**	**11,972**	**2.51**	**12.68**	**146.4**	**35.06**
St Johns River (FL)	1,139.7	12,643	.92	9.24	166.3	42.06	626.7	11,972	2.51	12.68	146.4	35.06
Jamestown City of	**-**	**-**	**-**	**-**	**-**	**-**	**115.8**	**12,767**	**1.46**	**9.98**	**131.1**	**33.48**
Samuel A Carlson (NY)	-	-	-	-	-	-	115.8	12,767	1.46	9.98	131.1	33.48
Kansas City City of	**1,316.2**	**9,190**	**.96**	**7.19**	**145.6**	**26.75**	**21.8**	**11,187**	**2.31**	**12.73**	**152.5**	**34.12**
Kaw (KS)	72.1	11,277	2.38	12.69	216.5	48.84	11.2	11,180	2.31	12.73	149.3	33.37
Quindaro (KS)	328.3	11,221	2.43	12.51	219.8	49.32	10.6	11,195	2.30	12.72	155.9	34.90
Nearman (KS)	915.8	8,297	.32	4.86	102.0	16.92	-	-	-	-	-	-
Kansas City Power & Light Co	**6,570.4**	**8,868**	**1.49**	**9.86**	**100.6**	**17.84**	**2,019.0**	**9,193**	**1.47**	**8.14**	**99.6**	**18.31**
La Cygne (KS)	3,340.1	8,860	2.62	14.73	114.7	20.33	393.1	8,778	.80	6.29	87.6	15.38
Hawthorne (MO)	796.2	8,770	.22	4.60	91.1	15.98	773.0	8,459	.31	4.94	74.6	12.61
Montrose (MO)	292.2	8,812	.23	4.69	114.4	20.16	852.9	10,049	2.83	11.89	123.5	24.82
Iatan (MO)	2,141.9	8,925	.35	4.92	80.3	14.34	-	-	-	-	-	-
Kansas Power & Light Co	**8,848.5**	**8,635**	**.38**	**4.99**	**131.6**	**22.72**	**-**	**-**	**-**	**-**	**-**	**-**
Lawrence (KS)	690.1	10,940	.85	8.33	152.1	33.27	-	-	-	-	-	-
Tecumseh (KS)	155.6	10,960	.88	8.17	147.9	32.41	-	-	-	-	-	-
Jeffrey Energy Cnt (KS)	8,002.8	8,391	.33	4.64	128.8	21.62	-	-	-	-	-	-
Kentucky Power Co	**1,475.7**	**11,939**	**1.18**	**13.19**	**156.4**	**37.35**	**790.1**	**12,097**	**1.12**	**12.04**	**104.0**	**25.16**
Big Sandy (KY)	1,475.7	11,939	1.18	13.19	156.4	37.35	790.1	12,097	1.12	12.04	104.0	25.16
Kentucky Utilities Co	**2,493.5**	**12,234**	**1.65**	**8.45**	**179.9**	**44.01**	**3,511.8**	**12,085**	**1.66**	**10.32**	**109.2**	**26.39**
Brown (KY)	-	-	-	-	-	-	1,538.2	11,899	2.29	10.33	105.0	24.99
Ghent (KY)	2,493.5	12,234	1.65	8.45	179.9	44.01	1,352.7	12,250	.64	10.82	115.8	28.37
Green River (KY)	-	-	-	-	-	-	545.2	12,161	2.53	9.03	102.8	25.00
Tyrone (KY)	-	-	-	-	-	-	75.7	12,352	.88	10.38	117.8	29.10
Lakeland City of	**733.4**	**12,257**	**1.57**	**10.61**	**200.0**	**49.02**	**-**	**-**	**-**	**-**	**-**	**-**
Plant 3-Mcintosh (FL)	733.4	12,257	1.57	10.61	200.0	49.02	-	-	-	-	-	-
Lansing City of	**657.6**	**13,170**	**.84**	**6.21**	**212.4**	**55.95**	**604.3**	**12,926**	**.79**	**8.13**	**167.7**	**43.36**
Eckert (MI)	333.9	13,171	.84	6.23	211.9	55.82	332.4	12,905	.79	8.30	166.5	42.97
Erickson (MI)	323.7	13,170	.85	6.18	212.9	56.09	251.9	12,896	.78	8.30	166.3	42.90
Ottawa (MI)	-	-	-	-	-	-	20.0	13,658	.81	3.29	203.3	55.53
Los Angeles City of	**3,813.7**	**11,739**	**.56**	**8.91**	**141.0**	**33.11**	**784.6**	**12,442**	**.53**	**7.93**	**81.9**	**20.38**
Intermountain (UT)	3,813.7	11,739	.56	8.91	141.0	33.11	784.6	12,442	.53	7.93	81.9	20.38
Louisville Gas & Electric Co	**3,432.1**	**11,124**	**3.27**	**12.56**	**140.9**	**31.35**	**863.5**	**11,496**	**3.31**	**10.91**	**102.2**	**23.50**
Cane Run (KY)	549.2	11,014	3.44	13.50	145.2	31.98	318.1	11,492	3.39	11.56	106.2	24.40
Mill Creek (KY)	2,882.9	11,145	3.24	12.38	140.1	31.23	545.4	11,498	3.26	10.54	99.9	22.98
Lower Colorado River Authority	**4,224.0**	**8,517**	**.36**	**5.64**	**155.7**	**26.52**	**138.0**	**6,444**	**1.36**	**13.43**	**157.6**	**20.31**
S Seymour-Fayette (TX)	4,224.0	8,517	.36	5.64	155.7	26.52	138.0	6,444	1.36	13.43	157.6	20.31
Madison Gas & Electric Co	**-**	**-**	**-**	**-**	**-**	**-**	**93.0**	**11,409**	**1.59**	**8.17**	**163.4**	**37.29**
Blount (WI)	-	-	-	-	-	-	93.0	11,409	1.59	8.17	163.4	37.29

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

Table 50. Contract and Spot Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Manitowoc City of	-	-	-	-	-	-	112.9	13,221	0.82	6.64	164.0	43.36
Manitowoc (WI)	-	-	-	-	-	-	112.9	13,221	.82	6.64	164.0	43.36
Marquette City of	169.5	9,813	0.60	5.79	178.1	34.96	-	-	-	-	-	-
Shiras (MI)	169.5	9,813	.60	5.79	178.1	34.96	-	-	-	-	-	-
Metropolitan Edison Co	298.8	13,321	1.48	6.17	171.0	45.55	925.7	12,880	1.86	8.52	157.8	40.65
Portland (PA)	7.4	13,199	1.35	5.08	173.6	45.83	676.6	12,823	1.98	8.56	158.9	40.76
Titus (PA)	291.4	13,324	1.48	6.19	170.9	45.54	249.1	13,033	1.54	8.40	154.7	40.33
Michigan South Central Pwr Agy	160.9	11,886	3.12	11.09	194.9	46.34	-	-	-	-	-	-
Project I (MI)	160.9	11,886	3.12	11.09	194.9	46.34	-	-	-	-	-	-
Minnesota Power & Light Co	3,177.2	8,636	.78	8.76	140.2	24.21	46.6	8,613	.83	9.60	111.5	19.21
Aurora-Syl Laskin (MN)	54.3	8,544	.91	9.71	172.8	29.52	-	-	-	-	-	-
Boswell (MN)	3,122.9	8,637	.78	8.74	139.6	24.12	46.6	8,613	.83	9.60	111.5	19.21
Minnkota Power Coop Inc	3,627.0	6,717	.74	7.50	54.4	7.31	-	-	-	-	-	-
Young (ND)	3,627.0	6,717	.74	7.50	54.4	7.31	-	-	-	-	-	-
Mississippi Power Co	1,093.8	12,288	2.34	7.80	174.5	42.90	2,540.7	12,875	1.06	7.51	196.0	50.47
Watson (MS)	1,027.4	12,242	2.45	7.80	175.4	42.95	563.8	12,337	2.42	8.35	161.7	39.89
Daniel (MS)	66.3	12,995	.71	7.80	161.6	42.00	1,977.0	13,029	.68	7.27	205.3	53.48
Missouri Public Service Comm	510.6	10,957	3.14	10.47	170.6	37.38	160.6	10,961	3.02	10.16	131.9	28.92
Sibley (MO)	510.6	10,957	3.14	10.47	170.6	37.38	160.6	10,961	3.02	10.16	131.9	28.92
Monongahela Power Co	9,950.8	12,773	2.47	9.80	138.5	35.38	2,869.7	12,192	2.18	12.75	95.9	23.37
Albright (WV)	433.2	12,285	1.75	13.11	111.0	27.28	521.7	12,287	1.58	13.10	87.2	21.42
Ft Martin (WV)	2,827.3	12,500	1.77	11.25	143.7	35.92	83.5	12,126	1.23	12.84	116.5	28.26
Harrison (WV)	4,596.8	13,186	2.91	7.58	138.7	36.58	-	-	-	-	-	-
Rivesville (WV)	-	-	-	-	-	-	292.7	12,433	.92	12.96	108.1	26.89
Willow Island (WV)	97.6	13,063	1.53	7.66	120.1	31.37	340.5	12,389	1.31	9.42	109.4	27.11
Pleasants (WV)	1,995.8	12,300	2.65	12.24	137.5	33.82	1,631.3	12,080	2.83	13.29	92.5	22.34
Montana Power Co	7,376.0	8,649	.62	8.85	63.6	11.00	-	-	-	-	-	-
Corette (MT)	655.0	8,668	.58	7.82	84.8	14.71	-	-	-	-	-	-
Colstrip (MT)	6,721.0	8,647	.62	8.95	61.5	10.63	-	-	-	-	-	-
Montana-Dakota Utilities Co	2,450.6	6,878	.93	8.21	89.2	12.27	-	-	-	-	-	-
Heskett (ND)	256.3	6,979	.93	8.78	111.9	15.62	-	-	-	-	-	-
Lewis and Clark (MT)	219.6	6,608	.59	7.80	116.9	15.45	-	-	-	-	-	-
Coyote (ND)	1,974.7	6,894	.96	8.18	83.3	11.48	-	-	-	-	-	-
Montaup Electric Co	505.8	13,373	1.17	6.92	169.3	45.27	-	-	-	-	-	-
Somerset (MA)	505.8	13,373	1.17	6.92	169.3	45.27	-	-	-	-	-	-
Muscatine City of	194.7	11,307	3.13	6.86	192.8	43.61	291.6	11,317	3.01	5.68	208.1	47.10
Muscatine (IA)	194.7	11,307	3.13	6.86	192.8	43.61	291.6	11,317	3.01	5.68	208.1	47.10
Nebraska Public Power District	2,829.0	8,904	.37	5.00	103.4	18.41	82.7	8,462	.44	5.25	118.1	19.99
Sheldon (NE)	113.2	9,063	.54	5.78	124.1	22.50	82.7	8,462	.44	5.25	118.1	19.99
Gerald Gentleman (NE)	2,715.8	8,898	.36	4.97	102.5	18.24	-	-	-	-	-	-
Nevada Power Co	1,497.6	11,911	.53	8.79	202.5	48.24	-	-	-	-	-	-
Gardner (NV)	1,497.6	11,911	.53	8.79	202.5	48.24	-	-	-	-	-	-
New England Power Co	2,075.5	13,117	1.19	8.18	160.4	42.09	915.5	12,967	1.06	8.71	153.9	39.92
Brayton (MA)	1,519.5	13,103	1.20	8.27	159.7	41.86	817.4	12,948	1.03	8.84	153.6	39.77
Salem Harbor (MA)	556.0	13,154	1.18	7.93	162.4	42.73	98.1	13,131	1.28	7.62	156.5	41.11
New York State Elec & Gas Corp	2,527.0	12,715	2.18	10.42	155.4	39.52	1,440.1	12,093	1.68	14.16	146.0	35.30
Goudey (NY)	-	-	-	-	-	-	347.6	12,270	1.78	13.15	140.1	34.39
Greenidge (NY)	-	-	-	-	-	-	334.2	12,352	1.88	12.25	139.9	34.55
Hickling (NY)	127.9	11,396	.98	20.41	149.3	34.02	131.1	11,284	.98	19.92	147.7	33.34
Jennison (NY)	85.9	11,529	.94	19.82	176.6	40.71	118.0	10,834	.90	23.04	169.9	36.81
Milliken (NY)	330.9	12,195	1.69	12.37	165.2	40.30	509.2	12,302	1.83	12.57	148.6	36.57
Somerset (NY)	1,982.3	12,938	2.40	9.04	153.4	39.70	-	-	-	-	-	-
Niagara Mohawk Power Corp	1,247.0	13,162	1.83	7.40	156.3	41.15	1,650.0	12,905	1.86	8.04	139.7	36.06
Huntley (NY)	900.0	13,253	1.70	6.62	154.2	40.88	693.0	13,028	1.58	7.61	147.7	38.47
Dunkirk (NY)	347.0	12,926	2.18	9.44	161.9	41.85	957.0	12,816	2.06	8.35	133.9	34.32
Northern Indiana Pub Serv Co	2,595.4	11,010	2.79	9.83	201.2	44.30	2,467.4	11,942	1.96	7.93	143.9	34.37

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

Table 50. Contract and Spot Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Northern Indiana Pub Serv Co												
Bailly (IN)	273.0	10,997	3.10	10.04	189.9	41.76	825.9	11,572	2.56	8.82	132.2	30.61
Mitchell (IN)	-	-	-	-	-	-	429.3	12,182	.65	6.59	159.8	38.93
Michigan City (IN)	629.5	11,040	2.93	9.48	202.7	44.75	725.8	11,297	2.54	8.82	132.1	29.85
Rollin Schahfer (IN)	1,692.9	11,001	2.69	9.93	202.4	44.54	486.4	13,319	1.22	6.28	163.3	43.50
Northern States Power Co	**9,319.8**	**8,725**	**.42**	**6.50**	**112.2**	**19.59**	-	-	-	-	-	-
Black Dog (MN)	415.9	8,813	.25	4.87	107.1	18.88	-	-	-	-	-	-
High Bridge (MN)	547.3	8,808	.26	5.03	93.9	16.54	-	-	-	-	-	-
King (MN)	1,698.6	8,790	.28	4.97	117.6	20.68	-	-	-	-	-	-
Riverside (MN)	693.4	8,812	.26	4.84	103.4	18.22	-	-	-	-	-	-
Sherburne County (MN)	5,964.6	8,683	.51	7.37	113.8	19.76	-	-	-	-	-	-
Ohio Edison Co	**4,018.8**	**12,365**	**1.91**	**11.23**	**139.7**	**34.55**	**3,528.7**	**11,994**	**2.33**	**11.17**	**113.8**	**27.29**
Edgewater (OH)	-	-	-	-	-	-	206.1	12,036	1.70	9.74	141.4	34.03
Gorge Steam (OH)	-	-	-	-	-	-	105.9	12,197	2.05	9.00	133.6	32.59
Niles (OH)	-	-	-	-	-	-	626.9	11,883	3.17	11.24	107.9	25.64
Burger (OH)	681.0	12,160	2.57	11.84	135.2	32.88	586.1	11,997	3.21	11.10	105.1	25.22
Sammis (OH)	3,302.0	12,415	1.75	11.06	141.0	35.00	1,681.0	12,049	1.53	11.34	116.3	28.02
Toronto (OH)	35.8	11,644	3.44	15.45	104.5	24.34	322.7	11,822	3.71	11.93	103.1	24.37
Ohio Power Co	**13,885.2**	**11,530**	**3.43**	**13.11**	**169.7**	**39.14**	**211.1**	**12,387**	**2.03**	**12.97**	**113.3**	**28.07**
Muskingum (OH)	3,576.5	11,466	4.58	12.14	161.6	37.06	-	-	-	-	-	-
Kammer (WV)	2,070.0	11,924	4.32	13.59	122.0	29.11	78.0	12,444	2.63	11.57	113.8	28.32
Mitchell (WV)	2,863.6	11,830	1.37	16.11	173.3	41.00	131.6	12,363	1.68	13.82	112.8	27.88
Gavin (OH)	5,375.1	11,260	3.42	11.97	192.6	43.38	1.5	11,640	2.10	10.70	133.2	31.01
Ohio Valley Electric Corp	**2,298.0**	**12,308**	**3.68**	**9.14**	**155.8**	**38.36**	**1,089.0**	**11,137**	**3.28**	**11.57**	**99.3**	**22.12**
Kyger Creek (OH)	2,298.0	12,308	3.68	9.14	155.8	38.36	1,089.0	11,137	3.28	11.57	99.3	22.12
Oklahoma Gas & Electric Co	**5,612.0**	**8,939**	**.36**	**4.92**	**153.6**	**27.46**	**457.5**	**12,120**	**1.06**	**7.23**	**142.7**	**34.59**
Muskogee (OK)	3,138.6	8,925	.36	4.91	147.6	26.34	298.5	11,586	1.21	7.97	129.1	29.91
Sooner (OK)	2,473.4	8,957	.36	4.92	161.2	28.88	159.1	13,123	.76	5.85	165.3	43.37
Omaha Public Power District	**1,851.4**	**8,287**	**.31**	**4.93**	**74.5**	**12.34**	**1,056.9**	**8,296**	**.35**	**5.19**	**63.8**	**10.58**
North Omaha (NE)	784.1	8,293	.36	5.13	77.2	12.80	231.8	8,291	.34	5.46	62.2	10.32
Nebraska City (NE)	1,067.3	8,282	.28	4.78	72.5	12.00	825.1	8,297	.36	5.11	64.2	10.65
Orange & Rockland Utils Inc	**151.2**	**13,216**	**.54**	**7.34**	**203.8**	**53.87**	-	-	-	-	-	-
Lovett (NY)	151.2	13,216	.54	7.34	203.8	53.87	-	-	-	-	-	-
Orlando Utilities Comm	**508.3**	**13,411**	**.94**	**6.28**	**189.2**	**50.74**	**29.8**	**13,148**	**1.41**	**6.54**	**189.1**	**49.72**
Stanton Energy (FL)	508.3	13,411	.94	6.28	189.2	50.74	29.8	13,148	1.41	6.54	189.1	49.72
Otter Tail Power Co	**789.0**	**6,119**	**.87**	**8.20**	**127.0**	**15.55**	-	-	-	-	-	-
Hoot Lake (MN)	48.0	7,004	.99	7.80	176.1	24.66	-	-	-	-	-	-
Big Stone (SD)	741.0	6,062	.87	8.22	123.4	14.95	-	-	-	-	-	-
Owensboro City of	**695.9**	**10,823**	**2.96**	**11.40**	**135.2**	**29.26**	-	-	-	-	-	-
Smith (KY)	695.9	10,823	2.96	11.40	135.2	29.26	-	-	-	-	-	-
Pacific Power & Light Co	**14,485.0**	**8,766**	**.64**	**10.72**	**112.6**	**19.74**	**1,507.0**	**7,667**	**.44**	**9.44**	**76.4**	**11.72**
Centralia (WA)	4,404.0	8,100	.69	14.57	167.8	27.18	75.0	8,342	.34	6.23	126.9	21.17
Johnston (WY)	1,379.0	7,680	.41	10.14	69.6	10.69	1,432.0	7,631	.44	9.61	73.5	11.22
Wyodak (WY)	1,833.0	8,050	.57	6.94	52.4	8.44	-	-	-	-	-	-
Jim Bridger (WY)	6,869.0	9,602	.67	9.38	103.2	19.81	-	-	-	-	-	-
Painesville City of	-	-	-	-	-	-	**92.1**	**12,420**	**2.33**	**8.10**	**130.2**	**32.34**
Painesville (OH)	-	-	-	-	-	-	92.1	12,420	2.33	8.10	130.2	32.34
Pennsylvania Electric Co	**13,469.0**	**12,143**	**1.80**	**16.03**	**136.9**	**33.26**	**3,182.0**	**12,274**	**1.72**	**12.91**	**112.8**	**27.68**
Conemaugh (PA)	3,424.0	12,396	2.33	15.14	152.4	37.79	654.0	12,456	2.15	12.87	113.8	28.36
Front St (PA)	28.0	12,584	1.66	10.52	143.3	36.06	179.0	12,144	1.87	10.59	129.0	31.34
Homer City (PA)	4,244.0	11,766	1.74	18.61	140.9	33.16	1,108.0	12,355	1.37	12.90	119.5	29.52
Seward (PA)	135.0	12,011	1.46	13.77	112.3	26.97	431.0	12,052	1.52	14.06	104.8	25.26
Shawville (PA)	935.0	12,317	1.93	13.20	131.8	32.46	603.0	12,147	2.00	13.31	98.0	23.80
Warren (PA)	24.0	12,014	1.53	13.59	119.4	28.70	207.0	12,209	1.70	11.51	118.2	28.87
Keystone (PA)	4,679.0	12,268	1.46	15.03	123.8	30.38	-	-	-	-	-	-
Pennsylvania Power & Light Co	**7,913.0**	**12,431**	**1.72**	**13.78**	**172.4**	**42.86**	**1,475.0**	**10,936**	**1.35**	**20.28**	**121.6**	**26.60**
Brunner Island (PA)	3,492.0	12,506	1.92	13.32	175.4	43.88	65.0	12,708	1.85	11.60	137.8	35.04
Holtwood (PA)	156.0	6,934	.60	39.84	71.9	9.98	93.0	9,879	.63	21.27	135.6	26.80
Martins Creek (PA)	784.0	12,601	2.01	13.12	192.4	48.48	7.0	12,658	2.36	12.10	140.2	35.49
Montour (PA)	3,130.0	12,583	1.47	13.32	168.1	42.31	555.0	12,692	1.91	12.21	138.6	35.18
Sunbury (PA)	351.0	12,398	1.87	12.52	159.9	39.65	755.0	9,606	.97	26.91	101.3	19.47

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

Table 50. Contract and Spot Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Pennsylvania Power Co	**4,978.9**	**12,083**	**3.77**	**11.71**	**150.2**	**36.29**	**1,787.1**	**12,183**	**2.59**	**10.75**	**120.8**	**29.43**
New Castle (PA)	240.4	12,198	1.27	11.09	146.0	35.61	763.9	12,295	1.39	9.31	116.7	28.70
Bruce Mansfield (PA)	4,738.5	12,077	3.90	11.74	150.4	36.32	1,023.2	12,099	3.48	11.82	123.9	29.98
Philadelphia Electric Co	**479.0**	**13,012**	**1.52**	**7.63**	**152.9**	**39.78**	**800.0**	**13,049**	**1.59**	**7.54**	**150.5**	**39.28**
Cromby (PA)	69.0	13,078	1.68	7.65	152.8	39.96	216.0	12,969	1.67	7.41	149.9	38.88
Eddystone (PA)	410.0	13,001	1.50	7.63	152.9	39.75	584.0	13,078	1.55	7.58	150.8	39.43
Plains Elec Gen&Trans Coop Inc	**611.8**	**9,598**	**.74**	**14.16**	**163.9**	**31.46**	-	-	-	-	-	-
Escalante (NM)	611.8	9,598	.74	14.16	163.9	31.46	-	-	-	-	-	-
Platte River Power Authority	**1,109.0**	**8,772**	**.27**	**5.11**	**75.9**	**13.31**	**33.1**	**8,730**	**.19**	**4.50**	**73.7**	**12.87**
Rawhide (CO)	1,109.0	8,772	.27	5.11	75.9	13.31	33.1	8,730	.19	4.50	73.7	12.87
Portland General Electric Co	**376.7**	**8,484**	**.32**	**4.68**	**140.2**	**23.78**	-	-	-	-	-	-
Boardman (OR)	376.7	8,484	.32	4.68	140.2	23.78	-	-	-	-	-	-
Potomac Edison Co	**135.1**	**12,714**	**1.03**	**10.07**	**131.8**	**33.51**	**95.7**	**12,328**	**.92**	**12.99**	**113.3**	**27.92**
Smith (MD)	135.1	12,714	1.03	10.07	131.8	33.51	95.7	12,328	.92	12.99	113.3	27.92
Potomac Electric Power Co	**5,247.9**	**12,617**	**1.60**	**11.51**	**160.7**	**40.54**	**909.3**	**12,674**	**1.24**	**10.04**	**149.8**	**37.98**
Chalk (MD)	1,530.1	12,536	1.74	12.28	164.7	41.30	90.6	12,348	1.69	13.28	154.4	38.13
Dickerson (MD)	982.1	12,677	1.47	10.25	139.3	35.33	300.1	12,549	1.50	10.86	128.2	32.19
Morgantown (MD)	2,285.7	12,571	1.73	12.33	163.7	41.16	138.3	12,421	1.75	12.87	154.0	38.27
Potomac River (VA)	450.0	12,992	.79	7.50	177.7	46.18	380.3	12,942	.74	7.59	163.8	42.41
Public Service Co of Colorado	**5,512.5**	**9,312**	**.35**	**6.25**	**127.5**	**23.74**	**259.9**	**11,264**	**.43**	**8.05**	**109.3**	**24.62**
Araphoe (CO)	288.9	10,868	.41	8.87	152.6	33.16	-	-	-	-	-	-
Cameo (CO)	136.6	11,615	.45	8.30	139.1	32.32	9.3	11,582	.61	8.68	67.3	15.59
Cherokee (CO)	1,484.1	10,727	.40	9.19	138.6	29.74	-	-	-	-	-	-
Comanche (CO)	1,691.1	8,503	.31	4.62	122.7	20.87	-	-	-	-	-	-
Valmont (CO)	100.0	10,801	.44	9.30	162.9	35.20	250.6	11,252	.42	8.03	110.9	24.96
Pawnee (CO)	1,811.9	8,403	.33	4.61	111.4	18.73	-	-	-	-	-	-
Public Service Co of IN Inc	**10,974.9**	**10,806**	**2.42**	**10.62**	**154.0**	**33.28**	**402.2**	**11,164**	**2.48**	**10.51**	**116.5**	**26.01**
Cayuga (IN)	2,439.3	10,594	2.30	11.88	144.2	30.55	155.1	10,811	2.50	10.74	131.8	28.51
Edwardsport (IN)	-	-	-	-	-	-	100.1	10,865	2.31	11.08	85.8	18.65
Noblesville (IN)	-	-	-	-	-	-	21.9	10,989	3.66	12.34	113.8	25.01
Gallagher (IN)	906.7	11,546	2.72	10.35	145.5	33.59	58.1	12,758	2.60	9.54	123.5	31.52
Wabash River (IN)	790.3	10,934	2.24	10.29	128.4	28.07	67.0	11,100	2.21	9.39	120.6	26.77
Gibson Station (IN)	6,838.6	10,768	2.44	10.24	161.6	34.81	-	-	-	-	-	-
Public Service Co of NH	**1,084.1**	**13,430**	**2.23**	**7.44**	**192.4**	**51.68**	**31.4**	**12,940**	**1.27**	**7.41**	**170.3**	**44.07**
Merrimack (NH)	928.9	13,474	2.41	7.34	191.8	51.68	20.7	13,423	1.50	7.38	178.4	47.91
Schiller (NH)	155.2	13,164	1.17	8.03	196.3	51.70	10.7	12,004	.83	7.47	152.7	36.66
Public Service Co of NM	**5,037.0**	**9,426**	**.78**	**22.05**	**156.6**	**29.52**	-	-	-	-	-	-
San Juan (NM)	5,037.0	9,426	.78	22.05	156.6	29.52	-	-	-	-	-	-
Public Service Co of Oklahoma	**2,954.0**	**8,533**	**.43**	**6.05**	**165.2**	**28.19**	-	-	-	-	-	-
Northeastern (OK)	2,954.0	8,533	.43	6.05	165.2	28.19	-	-	-	-	-	-
Public Service Electric&Gas Co	**1,523.4**	**13,339**	**.94**	**7.35**	**182.4**	**48.67**	**287.8**	**13,340**	**.94**	**8.09**	**168.0**	**44.82**
Hudson (NJ)	767.9	13,167	.84	8.18	170.8	44.99	249.2	13,251	.96	8.49	168.3	44.60
Mercer (NJ)	755.5	13,514	1.04	6.51	193.9	52.41	38.6	13,913	.78	5.54	166.3	46.27
Richmond City of	**169.7**	**11,238**	**2.43**	**11.08**	**170.3**	**38.27**	**22.6**	**11,524**	**2.82**	**12.32**	**129.7**	**29.88**
Whitewater (IN)	169.7	11,238	2.43	11.08	170.3	38.27	22.6	11,524	2.82	12.32	129.7	29.88
Rochester City of	**122.1**	**12,257**	**1.72**	**7.11**	**192.6**	**47.21**	-	-	-	-	-	-
Silver Lake (MN)	122.1	12,257	1.72	7.11	192.6	47.21	-	-	-	-	-	-
Rochester Gas & Electric Corp	**456.1**	**13,287**	**2.29**	**6.87**	**171.6**	**45.61**	**76.5**	**12,904**	**2.05**	**7.88**	**160.0**	**41.30**
Rochester 3 (NY)	127.9	13,240	2.31	7.15	172.7	45.74	21.5	12,896	2.21	7.39	154.2	39.78
Rochester 7 (NY)	328.2	13,305	2.28	6.76	171.2	45.56	55.0	12,908	1.98	8.08	162.3	41.90
S Mississippi Elec Pwr Assn	-	-	-	-	-	-	**795.3**	**12,561**	**.93**	**8.40**	**222.3**	**55.84**
R D Morrow (MS)	-	-	-	-	-	-	795.3	12,561	.93	8.40	222.3	55.84
Salt River Proj Ag I & P Dist	**8,608.6**	**10,908**	**.49**	**9.94**	**113.0**	**24.66**	**100.1**	**8,859**	**.66**	**19.73**	**178.2**	**31.56**
Navajo (AZ)	7,043.5	11,012	.49	8.86	89.9	19.80	-	-	-	-	-	-
Coronado (AZ)	1,565.1	10,438	.48	14.82	222.7	46.50	100.1	8,859	.66	19.73	178.2	31.56
San Antonio City of	**2,657.0**	**8,308**	**.36**	**5.72**	**166.5**	**27.67**	-	-	-	-	-	-
J T Deely (TX)	2,657.0	8,308	.36	5.72	166.5	27.67	-	-	-	-	-	-

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

Table 50. Contract and Spot Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
San Miguel Electric Coop Inc	**2,524.7**	**5,369**	**1.68**	**24.82**	**85.8**	**9.22**	**-**	**-**	**-**	**-**	**-**	**-**
San Miquel (TX)	2,524.7	5,369	1.68	24.82	85.8	9.22	-	-	-	-	-	-
Savannah Electric & Power Co	**-**	**-**	**-**	**-**	**-**	**-**	**777.0**	**13,026**	**0.87**	**8.66**	**164.3**	**42.81**
Port Wentworth (GA)	-	-	-	-	-	-	360.3	13,132	.93	9.16	164.3	43.16
McIntosh (GA)	-	-	-	-	-	-	416.7	12,935	.81	8.23	164.3	42.51
Seminole Electric Coop Inc	**2,460.0**	**12,135**	**2.76**	**8.09**	**212.5**	**51.56**	**592.0**	**12,122**	**3.25**	**10.96**	**153.9**	**37.32**
Seminole (FL)	2,460.0	12,135	2.76	8.09	212.5	51.56	592.0	12,122	3.25	10.96	153.9	37.32
Sierra Pacific Power Co	**1,102.7**	**10,964**	**.39**	**8.62**	**185.3**	**40.63**	**-**	**-**	**-**	**-**	**-**	**-**
North Valmy (NV)	1,102.7	10,964	.39	8.62	185.3	40.63	-	-	-	-	-	-
Sikeston City of	**576.1**	**11,449**	**2.22**	**10.51**	**149.7**	**34.27**	**-**	**-**	**-**	**-**	**-**	**-**
Sikeston (MO)	576.1	11,449	2.22	10.51	149.7	34.27	-	-	-	-	-	-
South Carolina Electric&Gas Co	**3,421.4**	**12,923**	**1.27**	**8.92**	**179.3**	**46.33**	**1,357.4**	**12,763**	**1.22**	**8.90**	**149.0**	**38.04**
Canadys (SC)	445.6	12,880	1.48	9.73	175.4	45.17	116.1	12,725	1.65	9.51	147.9	37.65
Mcmeekin (SC)	486.5	13,191	1.52	8.68	171.1	45.14	184.0	12,752	1.32	9.47	150.0	38.25
Urquhart (SC)	254.3	12,916	1.23	8.73	169.6	43.81	267.3	12,895	1.15	7.93	149.2	38.49
Wateree (SC)	814.0	12,876	1.44	9.48	173.9	44.80	743.7	12,736	1.17	8.96	148.3	37.77
Williams (SC)	1,421.0	12,874	1.02	8.46	188.1	48.43	46.3	12,580	.85	9.84	159.0	40.00
South Carolina Pub Serv Auth	**3,001.6**	**12,365**	**1.18**	**10.20**	**191.7**	**47.41**	**1,126.0**	**12,460**	**1.19**	**9.70**	**148.4**	**36.97**
Cross (SC)	1,153.7	12,451	1.10	9.66	193.9	48.29	128.5	12,460	1.10	9.52	144.8	36.09
Grainger (SC)	-	-	-	-	-	-	121.9	12,662	1.95	10.61	154.6	39.15
Jefferies (SC)	424.0	12,162	1.68	11.08	186.0	45.25	56.2	12,207	1.47	10.85	149.5	36.49
Winyah (SC)	1,423.8	12,356	1.10	10.37	191.6	47.34	819.3	12,447	1.07	9.51	147.9	36.82
Southern California Edison Co	**4,292.9**	**10,984**	**.53**	**9.99**	**104.5**	**22.96**	**-**	**-**	**-**	**-**	**-**	**-**
Mohave (NV)	4,292.9	10,984	.53	9.99	104.5	22.96	-	-	-	-	-	-
Southern Illinois Power Coop	**406.0**	**11,870**	**3.75**	**14.75**	**109.3**	**25.94**	**249.0**	**9,451**	**2.45**	**21.38**	**64.5**	**12.19**
Marion (IL)	406.0	11,870	3.75	14.75	109.3	25.94	249.0	9,451	2.45	21.38	64.5	12.19
Southern Indiana Gas & Elec Co	**2,237.6**	**11,255**	**3.37**	**8.93**	**147.4**	**33.18**	**58.7**	**10,954**	**2.05**	**8.52**	**106.8**	**23.39**
Culley (IN)	679.3	11,031	2.98	8.94	153.2	33.80	10.0	11,000	1.70	8.50	110.7	24.35
A B Brown (IN)	1,147.0	11,500	3.65	8.58	156.1	35.90	-	-	-	-	-	-
Warrick (IN)	411.3	10,942	3.25	9.90	112.4	24.59	48.7	10,944	2.12	8.53	106.0	23.19
Southwestern Electric Power Co	**9,464.0**	**7,927**	**.69**	**6.50**	**163.4**	**25.91**	**-**	**-**	**-**	**-**	**-**	**-**
Flint Creek (AR)	1,664.0	8,409	.33	4.68	143.9	24.19	-	-	-	-	-	-
Welsh Station (TX)	4,993.0	8,406	.33	4.62	194.0	32.61	-	-	-	-	-	-
Pirkey (TX)	2,807.0	6,788	1.52	10.93	110.5	15.00	-	-	-	-	-	-
Southwestern Public Service Co	**6,748.0**	**8,847**	**.37**	**4.97**	**175.4**	**31.04**	**452.5**	**8,686**	**.36**	**5.03**	**106.9**	**18.56**
Harrington (TX)	3,753.0	8,909	.37	4.94	163.0	29.04	4.5	8,948	.39	5.00	110.5	19.78
Tolk (TX)	2,995.0	8,768	.37	5.01	191.3	33.55	448.0	8,684	.36	5.03	106.8	18.55
Springfield City of	**644.1**	**12,407**	**4.12**	**10.52**	**117.9**	**29.25**	**-**	**-**	**-**	**-**	**-**	**-**
James River (MO)	374.5	12,255	4.16	11.08	120.4	29.51	-	-	-	-	-	-
Southwest (MO)	269.6	12,619	4.07	9.73	114.5	28.90	-	-	-	-	-	-
Springfield City of	**840.4**	**10,404**	**2.92**	**9.38**	**158.5**	**32.99**	**-**	**-**	**-**	**-**	**-**	**-**
Dallman (IL)	771.7	10,402	2.92	9.38	158.5	32.98	-	-	-	-	-	-
Lakeside (IL)	68.7	10,422	2.94	9.37	158.7	33.08	-	-	-	-	-	-
St Joseph Light & Power Co	**-**	**-**	**-**	**-**	**-**	**-**	**111.3**	**12,164**	**3.57**	**14.91**	**137.1**	**33.36**
Lakeroad (MO)	-	-	-	-	-	-	111.3	12,164	3.57	14.91	137.1	33.36
Sunflower Electric Coop Inc	**902.1**	**8,282**	**.35**	**5.57**	**105.5**	**17.47**	**-**	**-**	**-**	**-**	**-**	**-**
Holcomb (KS)	902.1	8,282	.35	5.57	105.5	17.47	-	-	-	-	-	-
Tampa Electric Co	**5,216.1**	**12,317**	**2.00**	**7.63**	**193.0**	**47.55**	**1,731.4**	**12,112**	**2.31**	**9.08**	**145.1**	**35.15**
Big Bend (FL)	4,744.4	12,254	2.09	7.78	188.9	46.29	1,731.4	12,112	2.31	9.08	145.1	35.15
Gannon (FL)	471.7	12,952	1.09	6.18	232.3	60.17	-	-	-	-	-	-
Tennessee Valley Authority	**24,743.4**	**11,712**	**2.55**	**11.45**	**140.7**	**32.95**	**10,895.5**	**11,918**	**2.13**	**10.63**	**122.7**	**29.25**
Colbert (AL)	2,172.0	11,624	2.30	12.18	205.1	47.69	1,116.1	11,677	2.12	11.95	145.5	33.98
Widows Creek (AL)	1,198.0	12,341	2.26	11.92	139.6	34.46	1,306.2	12,173	2.30	11.03	116.9	28.46
Paradise (KY)	5,250.4	10,737	4.26	16.62	104.6	22.47	1,177.4	10,912	4.15	15.23	105.4	23.00
Shawnee (KY)	711.1	12,801	.68	8.49	171.9	44.02	1,600.8	12,206	1.40	10.18	119.2	29.10
Allen (TN)	1,125.8	12,252	2.26	7.88	131.2	32.15	501.3	12,360	2.30	8.24	120.6	29.80
Bull Run (TN)	1,743.9	11,453	.88	14.11	195.4	44.77	267.4	11,340	.83	14.56	195.8	44.41

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

Table 50. Contract and Spot Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Tennessee Valley Authority												
Cumberland (TN)	5,424.7	11,641	2.83	8.21	138.5	32.25	1,242.4	11,708	2.83	8.43	131.7	30.85
Gallatin (TN)	2,137.1	12,257	2.78	8.91	147.4	36.13	319.6	12,122	2.71	8.38	151.6	36.76
Sevier (TN)	1,584.8	12,822	1.34	9.67	126.1	32.34	471.0	12,627	1.54	10.24	117.9	29.78
Johnsonville (TN)	1,501.7	11,620	1.76	11.23	121.6	28.25	1,216.0	11,696	1.79	8.54	112.6	26.34
Kingston (TN)	1,894.0	12,364	1.33	10.66	130.3	32.22	1,677.4	12,351	1.22	10.41	113.4	28.00
Texas Municipal Power Agency	**3,260.0**	**4,752**	**1.01**	**24.90**	**145.3**	**13.81**	**22.5**	**8,451**	**.34**	**5.40**	**154.0**	**26.03**
Gibbons Creek (TX)	3,260.0	4,752	1.01	24.90	145.3	13.81	22.5	8,451	.34	5.40	154.0	26.03
Texas Utilities Electric Co	**29,026.0**	**6,393**	**.72**	**15.18**	**105.9**	**13.54**	-	-	-	-	-	-
Big Brown (TX)	5,217.0	6,707	.77	15.35	101.9	13.66	-	-	-	-	-	-
Martin Lake (TX)	12,202.0	6,611	.82	11.67	118.4	15.66	-	-	-	-	-	-
Monticello (TX)	10,971.0	6,008	.58	18.80	94.0	11.29	-	-	-	-	-	-
Sandow No 4 (TX)	636.0	6,252	1.10	19.06	84.4	10.55	-	-	-	-	-	-
Toledo Edison Co	**1,227.7**	**13,268**	**1.27**	**6.43**	**208.1**	**55.23**	**294.8**	**13,059**	**.95**	**7.39**	**150.8**	**39.38**
Acme (OH)	-	-	-	-	-	-	123.6	13,003	.69	7.77	154.7	40.24
Bay Shore (OH)	1,227.7	13,268	1.27	6.43	208.1	55.23	171.2	13,100	1.15	7.12	147.9	38.76
Tucson Electric Power Co	**225.2**	**10,151**	**.41**	**11.38**	**256.3**	**52.03**	-	-	-	-	-	-
Irvington (AZ)	225.2	10,151	.41	11.38	256.3	52.03	-	-	-	-	-	-
Union Electric Co	**9,450.0**	**11,085**	**1.92**	**9.39**	**163.9**	**36.33**	**159.0**	**11,498**	**1.26**	**8.59**	**134.3**	**30.89**
Labadie (MO)	5,057.0	11,301	2.28	9.15	161.4	36.49	10.0	10,400	.60	9.50	107.2	22.30
Meramec (MO)	285.0	11,693	1.28	7.14	181.9	42.54	149.0	11,572	1.31	8.53	136.0	31.46
Sioux (MO)	1,622.0	11,056	2.34	8.31	157.9	34.92	-	-	-	-	-	-
Rush Island (MO)	2,486.0	10,596	1.00	10.84	170.9	36.21	-	-	-	-	-	-
United Illuminating Co	**770.0**	**13,134**	**.49**	**6.74**	**242.0**	**63.56**	-	-	-	-	-	-
Bridgeport Harbor (CT)	770.0	13,134	.49	6.74	242.0	63.56	-	-	-	-	-	-
United Power Assn	**1,044.5**	**6,697**	**.64**	**9.93**	**101.7**	**13.62**	-	-	-	-	-	-
Stanton (ND)	1,044.5	6,697	.64	9.93	101.7	13.62	-	-	-	-	-	-
Upper Peninsula Generating Co	-	-	-	-	-	-	**1,425.0**	**9,981**	**.61**	**7.26**	**196.4**	**39.21**
Presque Isle (MI)	-	-	-	-	-	-	1,425.0	9,981	.61	7.26	196.4	39.21
Utah Power & Light Co	**8,197.0**	**11,112**	**.51**	**9.71**	**110.9**	**24.65**	-	-	-	-	-	-
Carbon (UT)	362.0	11,745	.53	6.23	187.7	44.09	-	-	-	-	-	-
Gadsby (UT)	41.0	11,868	.53	5.56	202.9	48.16	-	-	-	-	-	-
Naughton (WY)	2,044.0	9,659	.59	5.93	119.9	23.15	-	-	-	-	-	-
Emery-Hunter (UT)	3,271.0	11,515	.54	11.30	96.0	22.10	-	-	-	-	-	-
Huntington (UT)	2,479.0	11,675	.41	11.32	111.5	26.03	-	-	-	-	-	-
Vineland City of	**76.8**	**12,618**	**.78**	**8.39**	**195.7**	**49.40**	-	-	-	-	-	-
H M Down (NJ)	76.8	12,618	.78	8.39	195.7	49.40	-	-	-	-	-	-
Virginia Electric & Power Co	**5,826.0**	**12,712**	**1.36**	**10.74**	**149.7**	**38.06**	**4,829.0**	**12,535**	**1.17**	**10.89**	**138.1**	**34.63**
Bremo Bluff (VA)	336.0	12,752	.74	9.36	167.5	42.72	305.0	12,863	.75	8.71	149.9	38.57
Chesterfield (VA)	1,210.0	12,778	.81	9.48	151.6	38.73	1,535.0	12,733	1.02	9.41	152.5	38.85
Chesapeake Energy (VA)	487.0	13,103	.99	8.03	160.1	41.95	881.0	12,931	.91	8.89	148.0	38.29
Possum Point (VA)	408.0	12,780	.95	8.37	154.9	39.59	475.0	12,665	.91	9.01	152.9	38.73
Yorktown (VA)	367.0	13,271	1.37	6.25	170.3	45.21	440.0	12,664	1.23	8.98	153.8	38.94
Mount Storm (WV)	3,018.0	12,540	1.76	12.71	141.8	35.56	1,193.0	11,807	1.76	16.28	94.3	22.26
West Penn Power Co	**4,954.0**	**12,682**	**2.34**	**10.38**	**139.8**	**35.46**	**457.9**	**12,256**	**1.74**	**12.05**	**99.0**	**24.26**
Armstrong (PA)	582.9	12,758	1.82	9.60	132.9	33.92	457.9	12,256	1.74	12.05	99.0	24.26
Hatfield (PA)	3,915.8	12,732	2.38	10.25	142.7	36.34	-	-	-	-	-	-
Mitchell (PA)	455.3	12,157	2.64	12.54	123.0	29.91	-	-	-	-	-	-
West Texas Utilities Co	**1,856.0**	**8,278**	**.35**	**5.13**	**167.9**	**27.79**	-	-	-	-	-	-
Oklaunion (TX)	1,856.0	8,278	.35	5.13	167.9	27.79	-	-	-	-	-	-
Western Farmers Elec Coop Inc	**894.6**	**8,315**	**.47**	**5.85**	**175.5**	**29.19**	**55.3**	**13,652**	**.73**	**6.53**	**184.6**	**50.40**
Hugo (OK)	894.6	8,315	.47	5.85	175.5	29.19	55.3	13,652	.73	6.53	184.6	50.40
Wisconsin Electric Power Co	**5,638.4**	**9,943**	**.84**	**6.30**	**131.2**	**26.09**	**1,029.5**	**8,829**	**.48**	**5.38**	**105.0**	**18.55**
Oak Creek (WI)	1,669.6	12,358	1.58	7.12	169.4	41.86	102.4	12,156	1.54	6.16	155.7	37.86
Port Washington (WI)	125.3	13,170	1.80	5.94	164.5	43.32	-	-	-	-	-	-
Valley (WI)	391.0	12,662	1.64	9.44	185.9	47.08	13.2	13,367	1.15	6.10	160.9	43.02
Pleasant Prairie (WI)	3,452.5	8,350	.36	5.55	92.5	15.46	913.9	8,391	.35	5.29	95.5	16.03
Wisconsin Power & Light Co	**4,828.2**	**9,417**	**.95**	**7.33**	**158.0**	**29.76**	**956.1**	**8,750**	**.34**	**5.62**	**160.8**	**28.14**

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

Table 50. Contract and Spot Coal Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Contract Purchases						Spot Purchases					
	Quantity (1000 short tons)	Average Quality			Average Delivered Cost		Quantity (1000 short tons)	Average Quality			Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)		Btu (per pound)	Sulfur (percent by weight)	Ash (percent by weight)	(cents per million Btu)	($ per short ton)
Wisconsin Power & Light Co												
Edgewater (WI)	1,480.0	10,282	1.60	8.52	166.4	34.21	773.7	8,460	0.33	5.60	164.6	27.85
Nelson Dewey (WI)	345.0	11,769	1.50	5.98	139.2	32.76	95.4	10,534	.51	6.23	140.0	29.50
Rock River (WI)	150.6	11,807	1.38	5.87	172.0	40.62	20.9	11,513	.37	6.19	181.1	41.71
Columbia (WI)	2,852.7	8,558	.53	6.96	154.9	26.51	66.1	8,698	.23	4.74	145.1	25.24
Wisconsin Public Service Corp	**1,753.0**	**9,788**	**1.06**	**6.81**	**196.7**	**38.51**	**204.0**	**9,067**	**.53**	**5.38**	**154.1**	**27.93**
Pulliam (WI)	467.0	10,996	2.51	10.32	182.0	40.02	20.0	12,750	2.60	8.90	142.4	36.31
Weston (WI)	1,286.0	9,350	.53	5.54	203.0	37.96	184.0	8,666	.30	5.00	155.9	27.02
Wyandotte Municipal Serv Comm	**90.1**	**13,270**	**.73**	**7.06**	**182.0**	**48.31**	-	-	-	-	-	-
Wyandotte (MI)	90.1	13,270	.73	7.06	182.0	48.31	-	-	-	-	-	-
Total	**610,193.6**	**10,341**	**1.35**	**10.00**	**154.8**	**32.01**	**111,104.4**	**11,817**	**1.57**	**9.96**	**130.6**	**30.86**

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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987

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	**1,151.0**	**157.0**	**37.65**	**1.37**	**5.0**	**416.0**	**22.72**	**0.10**	**-**	**-**	**-**	**100**	*****	**-**
Tombigbee (AL)	1,151.0	157.0	37.65	1.37	5.0	416.0	22.72	.10	-	-	-	100	*	-
Alabama Power Co	**13,795.9**	**208.6**	**51.63**	**1.22**	**154.6**	**401.6**	**23.38**	**.18**	**858.1**	**210.2**	**2.22**	**99**	*****	*****
Barry (AL)	612.8	205.5	51.13	1.09	29.1	363.5	21.23	.22	797.9	203.1	2.14	94	1	5
Gadsden (AL)	203.1	192.0	48.50	1.72	1.1	419.8	24.24	.13	48.3	327.0	3.37	99	*	1
Gorgas 2 and 3 (AL)	5,525.8	189.5	46.00	1.02	28.5	418.4	24.42	.18	-	-	-	100	*	-
Greene (AL)	986.3	199.1	50.61	1.43	6.1	415.2	24.04	.24	-	-	-	100	*	-
Gaston (AL)	3,565.3	196.9	48.69	2.03	20.7	413.3	23.98	.17	-	-	-	100	*	-
James Miller (AL)	2,902.6	262.7	66.64	.56	69.2	405.7	23.60	.16	11.9	227.0	2.37	99	1	*
Alamito Co	**908.7**	**179.5**	**34.52**	**.77**	**7.2**	**425.0**	**24.78**	**.16**	**-**	**-**	**-**	**100**	*****	**-**
Springerville (AZ)	908.7	179.5	34.52	.77	7.2	425.0	24.78	.16	-	-	-	100	*	-
Alexandria City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,164.0**	**189.5**	**1.95**	**-**	**-**	**100**
Alexandria-Hunter (LA)	-	-	-	-	-	-	-	-	1,164.0	189.5	1.95	-	-	100
Ames City of	**140.3**	**141.5**	**24.08**	**.27**	**6.7**	**398.7**	**23.71**	**.30**	**-**	**-**	**-**	**98**	**2**	**-**
Ames (IA)	140.3	141.5	24.08	.27	6.7	398.7	23.71	.30	-	-	-	98	2	-
Appalachian Power Co	**12,014.6**	**162.0**	**40.55**	**.74**	**186.8**	**435.9**	**25.36**	**.00**	**-**	**-**	**-**	**100**	*****	**-**
Clinch River (VA)	1,263.0	161.0	41.26	.77	6.8	420.8	24.76	.00	-	-	-	100	*	-
Glen Lyn (VA)	369.7	185.8	45.51	.87	23.0	407.7	23.86	.00	-	-	-	99	1	-
Amos (WV)	6,368.9	161.1	40.17	.77	96.9	438.4	25.56	.00	-	-	-	100	*	-
Kanawha River (WV)	671.7	133.6	31.60	.76	6.1	464.2	27.05	.00	-	-	-	100	*	-
Mountaineer (WV)	3,341.3	166.8	42.26	.66	54.0	442.4	25.53	.00	-	-	-	100	*	-
Arizona Electric Pwr Coop Inc	**222.8**	**220.2**	**49.35**	**.50**	**-**	**-**	**-**	**-**	**4,653.1**	**183.4**	**1.89**	**51**	**-**	**49**
Apache (AZ)	222.8	220.2	49.35	.50	-	-	-	-	4,653.1	183.4	1.89	51	-	49
Arizona Public Service Co	**11,176.0**	**109.8**	**19.95**	**.71**	**62.4**	**398.5**	**23.14**	**.39**	**2,704.8**	**228.9**	**2.35**	**98**	*****	**1**
Cholla (AZ)	2,648.8	152.3	30.54	.52	-	-	-	-	126.6	304.7	2.66	100	-	*
Ocotillo (AZ)	-	-	-	-	-	-	-	-	459.8	267.1	2.78	-	-	100
Phoenix (AZ)	-	-	-	-	62.4	398.5	23.14	.39	-	-	-	-	100	-
Saguaro (AZ)	-	-	-	-	-	-	-	-	421.9	253.3	2.62	-	-	100
Yuma Axis (AZ)	-	-	-	-	-	-	-	-	1,222.1	181.5	1.87	-	-	100
Four Corners (NM)	8,527.3	94.8	16.66	.77	-	-	-	-	474.3	273.7	2.87	100	-	*
Arkansas Power & Light Co	**10,045.3**	**157.0**	**27.40**	**.32**	**134.4**	**385.5**	**22.14**	**.50**	**32,066.5**	**152.2**	**1.57**	**84**	*****	**16**
Moses (AR)	-	-	-	-	-	-	-	-	.5	362.0	3.67	-	-	100
Couch (AR)	-	-	-	-	-	-	-	-	3,946.5	100.2	1.12	-	-	100
Lake Catherine (AR)	-	-	-	-	-	-	-	-	15,287.1	145.4	1.48	-	-	100
Ritchie (AR)	-	-	-	-	-	-	-	-	12,832.4	177.7	1.81	-	-	100
Whitebluff (AR)	4,845.4	167.7	28.85	.45	54.7	395.2	22.69	.50	-	-	-	100	*	-
Independence (AR)	5,199.9	147.2	26.04	.20	79.7	378.8	21.76	.50	-	-	-	100	*	-
Associated Electric Coop Inc	**5,110.6**	**140.5**	**29.96**	**3.96**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Madrid (MO)	2,053.9	136.9	29.80	3.39	-	-	-	-	-	-	-	100	-	-
Hill (MO)	3,056.7	143.0	30.06	4.35	-	-	-	-	-	-	-	100	-	-
Atlantic City Electric Co	**616.0**	**168.3**	**43.90**	**2.67**	**1,140.0**	**295.5**	**18.78**	**.92**	**-**	**-**	**-**	**69**	**31**	**-**
England (NJ)	616.0	168.3	43.90	2.67	1,140.0	295.5	18.78	.92	-	-	-	69	31	-
Austin City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**16,994.1**	**212.4**	**2.16**	**-**	**-**	**100**
Decker Creek (TX)	-	-	-	-	-	-	-	-	10,959.3	208.5	2.12	-	-	100
Holly (TX)	-	-	-	-	-	-	-	-	6,017.1	219.5	2.24	-	-	100
Seaholm (TX)	-	-	-	-	-	-	-	-	17.7	211.8	2.17	-	-	100
Baltimore Gas & Electric Co	**2,629.0**	**161.7**	**41.71**	**1.11**	**2,096.0**	**301.8**	**18.97**	**.97**	**1,854.0**	**265.7**	**2.77**	**82**	**16**	**2**
Brandon Shores (MD)	1,355.0	165.0	41.71	.73	-	-	-	-	-	-	-	100	-	-
Crane (MD)	654.0	157.5	41.92	2.13	-	-	-	-	-	-	-	100	-	-
Gould St (MD)	-	-	-	-	255.0	299.8	18.89	.97	-	-	-	-	100	-
Wagner (MD)	620.0	159.2	41.49	.86	1,179.0	300.6	18.89	.97	1,704.0	264.8	2.76	64	29	7
Riverside (MD)	-	-	-	-	479.0	302.6	18.99	.96	150.0	276.5	2.87	-	95	5
Westport (MD)	-	-	-	-	183.0	310.7	19.52	.95	-	-	-	-	100	-
Bangor Hydro-Electric Co	**-**	**-**	**-**	**-**	**87.8**	**296.5**	**18.72**	**2.08**	**-**	**-**	**-**	**-**	**100**	**-**
Graham (ME)	-	-	-	-	87.8	296.5	18.72	2.08	-	-	-	-	100	-
Basin Electric Power Coop	**12,911.0**	**73.5**	**10.97**	**.51**	**54.0**	**415.6**	**24.07**	**.34**	**-**	**-**	**-**	**100**	*****	**-**
Leland Olds (ND)	1,419.7	98.3	13.08	.83	4.8	473.4	27.42	.34	-	-	-	100	*	-
Laramie River (WY)	6,277.4	70.2	11.66	.37	39.3	413.1	23.92	.34	-	-	-	100	*	-
Antelope Valley (ND)	5,213.9	71.8	9.57	.59	9.9	397.2	23.00	.34	-	-	-	100	*	-
Big Rivers Electric Corp	**5,055.8**	**121.8**	**27.20**	**3.12**	**29.7**	**399.8**	**23.17**	**.00**	**45.4**	**338.2**	**3.38**	**100**	*****	*****
Coleman (KY)	1,339.2	118.5	26.83	2.27	-	-	-	-	45.4	338.2	3.38	100	-	*
Reid-Henderson (KY)	1,103.6	122.7	28.91	2.53	7.3	404.5	23.44	.00	-	-	-	100	*	-

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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
Big Rivers Electric Corp														
R D Green (KY)	1,443.9	115.2	24.26	3.59	3.7	372.7	21.60	0.00	-	-	-	100	*	-
Wilson (KY)	1,169.1	132.2	29.64	4.07	18.7	403.4	23.38	.00	-	-	-	100	*	-
Boston Edison Co	-	-	-	-	10,647.4	277.6	17.59	1.00	23,357.7	231.4	2.38	-	74	26
Mystic (MA)	-	-	-	-	5,419.9	272.0	17.27	1.02	14,799.8	226.0	2.33	-	69	31
New Boston (MA)	-	-	-	-	5,227.5	283.5	17.93	.97	8,557.9	240.6	2.48	-	79	21
Brazos Electric Power Coop Inc	-	-	-	-	-	-	-	-	14,840.0	228.9	2.33	-	-	100
North Texas (TX)	-	-	-	-	-	-	-	-	286.6	170.9	1.85	-	-	100
Miller (TX)	-	-	-	-	-	-	-	-	14,553.5	230.1	2.34	-	-	100
Bryan City of	-	-	-	-	1.1	262.1	15.95	.06	4,381.7	158.4	1.65	-	*	100
Bryan (TX)	-	-	-	-	-	-	-	-	643.8	157.3	1.67	-	-	100
Dansby (TX)	-	-	-	-	1.1	262.1	15.95	.06	3,738.0	158.6	1.64	-	*	100
Burbank City of	-	-	-	-	-	-	-	-	3,323.0	243.4	2.57	-	-	100
Magnolia-Olive (CA)	-	-	-	-	-	-	-	-	3,323.0	243.4	2.57	-	-	100
Cajun Electric Power Coop Inc	3,796.3	166.4	28.70	.48	46.3	375.2	22.06	.00	1,842.6	158.7	1.66	97	*	3
Big Cajun No.1 (LA)	-	-	-	-	-	-	-	-	1,842.6	158.7	1.66	-	-	100
Big Cajun No.2 (LA)	3,796.3	166.4	28.70	.48	46.3	375.2	22.06	.00	-	-	-	100	*	-
Cambridge Electric Light Co	-	-	-	-	123.0	325.4	20.53	.45	2,774.0	284.9	2.85	-	22	78
Kendall Square (MA)	-	-	-	-	123.0	325.4	20.53	.45	2,774.0	284.9	2.85	-	22	78
Canal Electric Co	-	-	-	-	8,724.0	274.9	17.48	2.08	-	-	-	-	100	-
Canal (MA)	-	-	-	-	8,724.0	274.9	17.48	2.08	-	-	-	-	100	-
Cardinal Operating Co	3,853.8	159.9	37.68	2.21	48.6	398.1	23.36	.00	-	-	-	100	*	-
Cardinal (OH)	3,853.8	159.9	37.68	2.21	48.6	398.1	23.36	.00	-	-	-	100	*	-
Carolina Power & Light Co	9,709.5	178.0	44.80	.92	147.7	394.3	22.85	.20	-	-	-	100	*	-
Asheville (NC)	876.7	132.5	35.16	1.13	10.8	394.8	22.88	.20	-	-	-	100	*	-
Cape Fear (NC)	353.8	170.5	43.42	1.19	.5	370.2	21.46	.20	-	-	-	100	*	-
Lee (NC)	453.4	174.6	44.65	1.04	1.3	406.8	23.58	.20	-	-	-	100	*	-
Roxboro (NC)	5,352.1	183.9	46.31	.92	75.7	393.5	22.81	.20	-	-	-	100	*	-
Sutton (NC)	484.6	177.3	44.98	1.01	12.0	390.4	22.63	.20	-	-	-	99	1	-
Weatherspoon (NC)	141.1	166.4	42.06	1.17	.9	406.3	23.55	.20	-	-	-	100	*	-
Robinson (SC)	208.2	155.8	39.06	1.41	14.3	396.2	22.97	.20	-	-	-	98	2	-
Mayo (NC)	1,839.6	189.9	46.13	.63	32.2	396.2	22.96	.20	-	-	-	100	*	-
Cedar Falls City of	26.5	124.5	27.76	2.52	-	-	-	-	7.2	332.1	3.32	99	-	1
Streeter (IA)	26.5	124.5	27.76	2.52	-	-	-	-	7.2	332.1	3.32	99	-	1
Centel Corp	-	-	-	-	-	-	-	-	2,256.2	213.1	2.08	-	-	100
Cimarron River (KS)	-	-	-	-	-	-	-	-	365.9	221.9	2.50	-	-	100
Large (KS)	-	-	-	-	-	-	-	-	1,777.0	208.0	1.97	-	-	100
Mullergren (KS)	-	-	-	-	-	-	-	-	113.3	256.3	2.55	-	-	100
Central Electric Pwr Coop-MO	91.0	114.9	25.65	2.94	-	-	-	-	-	-	-	100	-	-
Chamois (MO)	91.0	114.9	25.65	2.94	-	-	-	-	-	-	-	100	-	-
Central Hudson Gas & Elec Corp	466.9	187.9	49.85	.57	8,438.0	298.9	18.96	1.28	6,023.2	265.2	2.74	17	74	9
Danskammer (NY)	466.9	187.9	49.85	.57	198.0	307.7	19.39	.96	6,023.2	265.2	2.74	62	6	31
Roseton (NY)	-	-	-	-	8,240.0	298.7	18.95	1.29	-	-	-	-	100	-
Central Illinois Light Co	2,209.0	184.4	44.32	1.90	14.7	423.4	24.61	.28	-	-	-	100	*	-
Edwards (IL)	1,363.0	165.1	42.74	.92	7.5	420.2	24.45	.26	-	-	-	100	*	-
Duck Creek (IL)	846.0	222.6	46.86	3.49	7.2	426.7	24.77	.30	-	-	-	100	*	-
Central Illinois Pub Serv Co	4,792.9	168.9	37.64	2.81	54.6	425.8	24.46	.19	-	-	-	100	*	-
Coffeen (IL)	1,572.3	178.2	37.51	3.81	12.8	439.8	25.16	.16	-	-	-	100	*	-
Grand Tower (IL)	219.7	169.1	39.61	3.15	3.9	413.0	23.91	.27	-	-	-	100	*	-
Hutsonville (IL)	343.9	152.5	33.96	2.64	5.5	437.5	25.05	.14	-	-	-	100	*	-
Meredosia (IL)	580.4	150.2	33.93	2.58	11.2	416.1	24.10	.25	-	-	-	100	*	-
Newton (IL)	2,076.6	170.1	39.17	2.10	21.2	421.8	24.17	.17	-	-	-	100	*	-
Central Iowa Power Coop	167.2	112.5	26.08	2.79	-	-	-	-	8.0	304.6	3.13	100	-	*
Fair (IA)	167.2	112.5	26.08	2.79	-	-	-	-	8.0	304.6	3.13	100	-	*
Central Louisiana Elec Co Inc	4,650.0	148.1	22.48	.51	-	-	-	-	29,116.0	200.6	2.10	70	-	30
Dolet Hills (LA)	2,689.0	121.6	16.72	.55	-	-	-	-	192.0	225.7	2.32	99	-	1
Coughlin (LA)	-	-	-	-	-	-	-	-	7,286.0	214.6	2.28	-	-	100
Teche (LA)	-	-	-	-	-	-	-	-	14,461.0	198.2	2.07	-	-	100
Rodemacher (LA)	1,961.0	177.3	30.38	.44	-	-	-	-	7,177.0	190.2	1.96	82	-	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 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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 Maine Power Co	-	-	-	-	3,973.4	293.6	18.58	0.89	-	-	-	-	100	-
Wyman (ME)	-	-	-	-	3,973.4	293.6	18.58	.89	-	-	-	-	100	-
Central Nebraska Pub P&I Dist	-	-	-	-	21.9	228.7	14.41	1.29	72.8	335.6	3.15	-	67	33
Canaday (NE)	-	-	-	-	21.9	228.7	14.41	1.29	72.8	335.6	3.15	-	67	33
Central Operating Co	1,699.5	135.3	33.76	1.07	29.5	444.1	25.75	.00	-	-	-	100	*	-
Sporn (WV)	1,699.5	135.3	33.76	1.07	29.5	444.1	25.75	.00	-	-	-	100	*	-
Central Power & Light Co	1,958.4	205.8	44.47	.37	-	-	-	-	98,041.0	[2] 208.9	2.17	29	-	71
Joslin (TX)	-	-	-	-	-	-	-	-	6,312.5	199.9	2.10	-	-	100
Bates (TX)	-	-	-	-	-	-	-	-	3,678.2	220.7	2.26	-	-	100
Laredo (TX)	-	-	-	-	-	-	-	-	6,694.6	206.4	2.21	-	-	100
Hill (TX)	-	-	-	-	-	-	-	-	11,493.4	196.0	2.05	-	-	100
Nueces Bay (TX)	-	-	-	-	-	-	-	-	21,535.9	214.6	2.23	-	-	100
La Palma (TX)	-	-	-	-	-	-	-	-	5,538.2	[2] 212.6	2.20	-	-	100
Victoria (TX)	-	-	-	-	-	-	-	-	12,122.4	187.1	1.97	-	-	100
Davis (TX)	-	-	-	-	-	-	-	-	30,665.7	219.1	2.24	-	-	100
Coleto Creek (TX)	1,958.4	205.8	44.47	.37	-	-	-	-	-	-	-	100	-	-
Cincinnati Gas & Electric Co	6,370.4	154.3	35.73	1.74	85.6	405.4	23.46	.41	-	-	-	100	*	-
Beckjord (OH)	1,609.5	163.9	37.18	1.69	27.6	405.6	23.46	.42	-	-	-	100	*	-
Miami Fort (OH)	3,246.4	154.3	36.53	1.51	41.0	410.4	23.78	.41	-	-	-	100	*	-
East Bend (KY)	1,514.5	143.9	32.46	2.27	17.0	393.1	22.72	.38	-	-	-	100	*	-
Cleveland Electric Illum Co	5,879.0	151.9	37.92	2.71	107.0	360.2	21.94	.73	-	-	-	100	*	-
Ashtabula (OH)	1,079.0	146.9	37.25	3.16	12.0	413.7	24.00	.26	-	-	-	100	*	-
Avon Lake (OH)	1,880.0	159.1	39.62	2.49	18.0	433.6	25.22	.25	-	-	-	100	*	-
Eastlake (OH)	2,568.0	144.7	35.71	2.95	25.0	415.0	23.97	.28	-	-	-	100	*	-
Lake Shore (OH)	352.0	179.3	47.04	.66	52.0	302.2	19.34	1.21	-	-	-	97	3	-
Coffeyville City of	-	-	-	-	-	-	-	-	424.6	250.6	2.51	-	-	100
Coffeyville (KS)	-	-	-	-	-	-	-	-	424.6	250.6	2.51	-	-	100
Colorado Springs City of	1,312.6	161.9	34.55	.36	-	-	-	-	117.0	405.1	3.98	100	-	*
Drake (CO)	672.8	171.7	36.39	.35	-	-	-	-	82.9	415.2	4.08	99	-	1
Birdsall (CO)	-	-	-	-	-	-	-	-	34.1	380.3	3.72	-	-	100
Nixon (CO)	639.8	151.8	32.61	.38	-	-	-	-	-	-	-	100	-	-
Colorado Ute Electric Assn Inc	5,139.8	90.5	18.75	.40	20.6	285.4	11.64	.03	304.3	265.3	2.79	100	*	*
Hayden (CO)	1,746.8	73.5	15.71	.46	2.6	402.7	23.02	.26	23.5	264.6	2.77	100	*	*
Nucla (CO)	32.8	108.3	21.94	.84	18.0	260.2	10.00	.00	-	-	-	91	9	-
Craig (CO)	3,360.2	99.5	20.30	.37	-	-	-	-	280.8	265.4	2.79	100	-	*
Columbia City of	63.0	161.7	34.45	4.07	-	-	-	-	-	-	-	100	-	-
Columbia (MO)	63.0	161.7	34.45	4.07	-	-	-	-	-	-	-	100	-	-
Columbus & Southern Ohio El Co	3,410.7	156.8	37.56	3.04	33.1	406.6	23.83	.00	-	-	-	100	*	-
Conesville (OH)	3,102.2	160.3	38.51	3.06	28.8	408.4	23.92	.00	-	-	-	100	*	-
Picway (OH)	202.3	122.2	28.54	2.86	1.4	386.3	22.72	.00	-	-	-	100	*	-
Poston (OH)	106.2	115.8	26.84	2.85	2.9	398.4	23.46	.00	-	-	-	99	1	-
Columbus City of	55.7	163.1	40.03	.78	-	-	-	-	-	-	-	100	-	-
Refuse & Coal (OH)	55.7	163.1	40.03	.78	-	-	-	-	-	-	-	100	-	-
Commonwealth Edison Co IN Inc	985.0	294.7	56.03	.36	-	-	-	-	211.0	358.9	3.68	99	-	1
State Line (IN)	985.0	294.7	56.03	.36	-	-	-	-	211.0	358.9	3.68	99	-	1
Commonwealth Edison Co	10,378.5	288.6	55.83	1.04	3,708.4	360.8	22.77	.64	1,244.6	429.7	4.39	89	10	1
Crawford (IL)	547.0	360.0	68.77	.43	-	-	-	-	248.0	480.2	4.92	98	-	2
Joliet (IL)	1,970.0	338.2	64.41	.43	70.0	424.8	25.00	.25	145.0	321.8	3.29	99	1	*
Kincaid (IL)	2,152.0	165.5	34.12	3.40	-	-	-	-	31.6	342.9	3.41	100	-	*
Powerton (IL)	2,782.0	284.3	53.72	.41	-	-	-	-	123.0	474.1	4.74	100	-	*
Waukegan (IL)	1,088.0	330.0	63.05	.42	28.4	426.9	25.13	.26	237.0	344.8	3.52	98	1	1
Will County (IL)	1,504.0	349.9	66.74	.42	126.0	420.2	24.72	.26	-	-	-	97	3	-
Fisk (IL)	335.5	359.2	68.75	.44	1.0	429.1	25.25	.27	460.0	474.2	4.86	93	*	7
Collins (IL)	-	-	-	-	3,483.0	357.1	22.63	.66	-	-	-	-	100	-
Commonwealth Electric Co	-	-	-	-	99.0	293.6	18.60	.94	1,693.0	271.9	2.72	-	27	73
Cannon (MA)	-	-	-	-	99.0	293.6	18.60	.94	1,693.0	271.9	2.72	-	27	73
Community Public Service Co	-	-	-	-	-	-	-	-	109.6	300.9	3.07	-	-	100
Lordsburg (NM)	-	-	-	-	-	-	-	-	109.6	300.9	3.07	-	-	100
Connecticut Light & Power Co	-	-	-	-	9,126.2	297.1	18.68	.81	4,189.8	212.1	2.19	-	93	7
Devon (CT)	-	-	-	-	1,610.7	290.5	18.30	.93	-	-	-	-	100	-
Montville (CT)	-	-	-	-	1,516.0	290.0	18.27	1.00	4,189.8	212.1	2.19	-	69	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 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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
Connecticut Light & Power Co														
Norwalk Harbor (CT)	-	-	-	-	2,882.2	289.5	18.24	0.99	-	-	-	-	100	-
Middletown (CT)	-	-	-	-	3,117.3	311.2	19.49	.50	-	-	-	-	100	-
Consolidated Edison Co-NY Inc	-	-	-	-	17,842.1	315.3	19.53	.26	68,457.8	261.0	2.69	-	61	39
East River (NY)	-	-	-	-	-	-	-	-	4,786.0	266.6	2.74	-	-	100
Hudson Avenue (NY)	-	-	-	-	4,648.0	317.4	19.68	.26	-	-	-	-	100	-
Indian Point (NY)	-	-	-	-	57.9	323.6	19.76	.27	-	-	-	-	100	-
Ravenswood (NY)	-	-	-	-	-	-	-	-	32,458.8	258.8	2.66	-	-	100
Waterside (NY)	-	-	-	-	-	-	-	-	4,718.4	265.7	2.74	-	-	100
59th St (NY)	-	-	-	-	4.0	299.5	18.34	.29	-	-	-	-	100	-
Astoria (NY)	-	-	-	-	1,898.2	319.7	19.81	.27	26,494.6	261.9	2.70	-	30	70
Storage Facility #6	-	-	-	-	2,322.5	310.2	19.15	.28	-	-	-	-	100	-
Storage Facility #5	-	-	-	-	4,144.6	310.4	19.28	.26	-	-	-	-	100	-
Storage Facility #4	-	-	-	-	3,968.9	318.1	19.70	.26	-	-	-	-	100	-
Storage Facility #3	-	-	-	-	798.0	318.3	19.56	.24	-	-	-	-	100	-
Consumers Power Co	6,848.0	181.2	44.91	0.92	243.8	301.3	18.67	1.00	-	-	-	99	1	-
Cobb (MI)	943.7	174.2	43.75	.91	-	-	-	-	-	-	-	100	-	-
Karn-Weadock (MI)	1,076.8	189.5	46.96	.82	243.8	301.3	18.67	1.00	-	-	-	95	5	-
Campbell (MI)	3,264.8	181.1	44.44	.99	-	-	-	-	-	-	-	100	-	-
Weadock (MI)	729.8	187.2	47.07	.84	-	-	-	-	-	-	-	100	-	-
Whiting (MI)	832.9	173.3	43.56	.80	-	-	-	-	-	-	-	100	-	-
Coop Power Assn	4,592.2	93.7	11.72	.70	7.2	227.9	14.07	2.50	-	-	-	100	*	-
Coal Creek (ND)	4,592.2	93.7	11.72	.70	7.2	227.9	14.07	2.50	-	-	-	100	*	-
Dairyland Power Coop	[1] 2,036.1	134.5	26.30	.91	8.8	409.0	24.05	.50	-	-	-	100	*	-
Alma-Madgett (WI)	[1] 1,493.3	133.4	24.42	.68	5.1	403.5	23.73	.50	-	-	-	100	*	-
Genoa No.3 (WI)	[1] 514.6	136.7	31.24	1.55	1.7	419.6	24.67	.50	-	-	-	100	*	-
Stoneman (WI)	28.3	139.6	35.91	1.82	2.0	414.2	24.35	.50	-	-	-	98	2	-
Dayton Power & Light Co	8,728.6	156.8	36.82	1.26	45.8	383.7	21.99	.23	199.8	399.1	4.07	100	*	*
Hutchings (OH)	381.4	149.0	36.68	.79	-	-	-	-	199.8	399.1	4.07	98	-	2
Stuart (OH)	6,545.5	163.8	37.62	1.45	20.8	418.3	23.94	.32	-	-	-	100	*	-
Killen (OH)	1,801.7	135.2	33.96	.67	-	-	-	-	-	-	-	100	-	-
Storage Facility #1	-	-	-	-	25.0	355.0	20.37	.16	-	-	-	-	100	-
Deepwater Operating Co	187.0	164.2	43.10	.78	141.0	314.3	19.72	.95	2,277.0	278.7	2.87	60	11	29
Deepwater (NJ)	187.0	164.2	43.10	.78	141.0	314.3	19.72	.95	2,277.0	278.7	2.87	60	11	29
Delmarva Power & Light Co	2,422.4	181.1	47.33	1.01	3,156.7	281.6	17.77	1.14	6,404.8	277.5	2.88	70	22	7
Delaware City (DE)	-	-	-	-	37.1	318.9	20.02	.74	1,040.9	345.0	3.75	-	17	83
Edgemoor (DE)	645.6	185.5	49.54	.77	2,252.7	275.6	17.44	.93	5,363.9	263.6	2.71	47	39	15
Indian River (DE)	1,776.8	179.5	46.53	1.10	73.1	398.8	22.94	.25	-	-	-	99	1	-
Vienna (MD)	-	-	-	-	793.7	287.3	18.15	1.82	-	-	-	-	100	-
Denton City of	-	-	-	-	-	-	-	-	642.3	235.0	2.68	-	-	100
Denton-Spencer (TX)	-	-	-	-	-	-	-	-	642.3	235.0	2.68	-	-	100
Deseret Generation & Tran Coop	1,050.0	206.0	44.08	.42	9.0	397.1	23.52	.00	-	-	-	100	*	-
Bonanza (UT)	1,050.0	206.0	44.08	.42	9.0	397.1	23.52	.00	-	-	-	100	*	-
Detroit City of	-	-	-	-	320.1	288.9	17.83	.68	2,505.4	286.1	2.91	-	44	56
Mistersky (MI)	-	-	-	-	320.1	288.9	17.83	.68	2,505.4	286.1	2.91	-	44	56
Detroit Edison Co	19,603.0	170.6	38.53	.67	786.5	369.0	21.99	.50	7,637.1	241.0	.44	99	1	*
Conners Creek (MI)	125.0	241.0	62.57	.82	-	-	-	-	368.0	281.2	2.88	90	-	10
Harbor Beach (MI)	94.0	197.5	52.22	.80	6.6	409.9	23.56	.37	-	-	-	98	2	-
Marysville (MI)	165.0	242.0	62.24	.75	-	-	-	-	140.3	337.7	3.39	97	-	3
Monroe (MI)	7,632.0	170.4	43.63	.93	102.4	400.1	23.14	.25	-	-	-	100	*	-
River Rouge (MI)	1,018.0	211.7	51.74	.78	.1	387.0	22.37	.30	7,104.1	204.7	.25	97	*	3
St Clair (MI)	4,795.0	157.1	30.36	.49	201.5	395.6	22.85	.36	24.7	337.7	3.43	99	1	*
Trenton Channel (MI)	1,405.0	194.0	50.60	.79	16.1	384.7	22.28	.28	-	-	-	100	*	-
Belle River (MI)	4,369.0	156.5	29.77	.35	39.2	403.9	23.37	.27	-	-	-	100	*	-
Greenwood (MI)	-	-	-	-	420.6	345.5	21.14	.67	-	-	-	-	100	-
Dover City of	-	-	-	-	397.0	272.6	17.35	2.18	1,451.6	261.5	2.70	-	63	37
Mckee Run (DE)	-	-	-	-	397.0	272.6	17.35	2.18	1,451.6	261.5	2.70	-	63	37
Duke Power Co	8,567.0	178.9	44.75	.95	132.0	387.4	22.50	.29	63.0	299.3	3.08	100	*	*
Allen (NC)	701.0	182.9	46.08	.93	31.0	382.1	22.28	.24	-	-	-	99	1	-
Buck (NC)	107.0	188.2	47.93	.94	-	-	-	-	-	-	-	100	-	-
Cliffside (NC)	945.0	181.2	45.50	1.01	14.0	383.7	22.28	.30	-	-	-	100	*	-
Dan River (NC)	83.0	179.9	45.33	.97	-	-	-	-	-	-	-	100	-	-
Marshall (NC)	3,107.0	174.4	43.74	.95	38.0	389.9	22.67	.30	-	-	-	100	*	-
Riverbend (NC)	62.0	183.8	46.66	1.04	-	-	-	-	-	-	-	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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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
Duke Power Co														
Lee (SC)	239.0	156.5	39.47	0.96	-	-	-	-	63.0	299.3	3.08	99	-	1
Belews Creek (NC)	3,323.0	182.7	45.44	.92	49.0	390.0	22.57	0.30	-	-	-	100	*	-
Duquesne Light Co	**2,374.0**	**155.9**	**38.08**	**1.61**	**47.0**	**451.3**	**25.84**	**.22**	**195.0**	**291.4**	**3.03**	**99**	*	*
Elrama (PA)	778.0	158.1	38.11	1.77	18.0	450.5	25.96	.36	-	-	-	99	1	-
Phillips (PA)	142.0	154.0	37.03	1.93	21.0	456.2	25.91	.14	-	-	-	97	3	-
Cheswick (PA)	1,454.0	154.9	38.17	1.50	8.0	440.2	25.40	.11	195.0	291.4	3.03	99	*	1
East Kentucky Power Coop	**3,198.4**	**110.4**	**26.28**	**1.33**	**9.1**	**424.7**	**24.72**	**.18**	-	-	-	**100**	*	-
Cooper (KY)	836.2	113.2	27.26	1.68	2.3	415.6	24.20	.13	-	-	-	100	*	-
Dale (KY)	282.2	109.2	26.94	.85	1.8	410.1	23.87	.19	-	-	-	100	*	-
Spurlock (KY)	2,080.0	109.4	25.80	1.26	5.0	434.0	25.26	.20	-	-	-	100	*	-
El Paso Electric Co	-	-	-	-	-	-	-	-	**17,255.6**	**191.8**	**1.98**	-	-	**100**
Rio Grande (TX)	-	-	-	-	-	-	-	-	2,425.2	256.6	2.62	-	-	100
Newman (TX)	-	-	-	-	-	-	-	-	14,830.4	181.3	1.87	-	-	100
Electric Energy Inc	**2,022.0**	**161.6**	**38.00**	**1.92**	**7.9**	**438.3**	**25.59**	**.30**	-	-	-	**100**	*	-
Joppa (IL)	2,022.0	161.6	38.00	1.92	7.9	438.3	25.59	.30	-	-	-	100	*	-
Empire District Electric Co	**849.0**	**125.5**	**28.08**	**4.48**	**3.1**	**385.8**	**23.18**	**.00**	**173.5**	**296.4**	**3.00**	**99**	*	**1**
Riverton (KS)	211.3	146.2	34.59	1.84	-	-	-	-	173.5	296.4	3.00	97	-	3
Asbury (MO)	637.7	118.1	25.93	5.35	3.1	385.8	23.18	.00	-	-	-	100	*	-
Florida Power & Light Co	-	-	-	-	**20,945.0**	**295.4**	**19.78**	**.93**	**111,593.0**	**270.4**	**2.70**	-	**56**	**44**
Cape Canaveral (FL)	-	-	-	-	721.0	307.2	19.38	.96	21,804.0	272.3	2.72	-	17	83
Fort Myers (FL)	-	-	-	-	3,184.0	289.4	18.43	.96	-	-	-	-	100	-
Lauderdale (FL)	-	-	-	-	-	-	-	-	4,098.0	272.7	2.73	-	-	100
Port Everglades (FL)	-	-	-	-	4,303.0	293.7	18.65	.97	25,130.0	265.1	2.65	-	52	48
Riviera (FL)	-	-	-	-	553.0	286.1	18.22	.88	15,607.0	268.0	2.68	-	18	82
Sanford (FL)	-	-	-	-	550.0	317.5	20.28	.99	1,084.0	274.6	2.75	-	76	24
Turkey Point (FL)	-	-	-	-	2,241.0	311.1	19.75	.98	21,920.0	276.1	2.76	-	39	61
Manatee (FL)	-	-	-	-	6,816.0	286.0	18.20	.97	-	-	-	-	100	-
Martin (FL)	-	-	-	-	2,577.0	306.4	27.86	.68	21,950.0	269.9	2.70	-	52	48
Florida Power Corp	**5,830.1**	**183.9**	**46.45**	**.82**	**8,829.5**	**280.5**	**17.76**	**1.39**	**2,670.2**	**302.4**	**3.10**	**72**	**27**	**1**
Crystal River (FL)	5,830.1	183.9	46.45	.82	118.2	404.5	23.75	.12	-	-	-	100	*	-
Turner (FL)	-	-	-	-	328.5	278.4	17.57	2.13	42.8	324.4	3.33	-	98	2
Higgins (FL)	-	-	-	-	283.5	288.4	18.26	2.24	16.0	321.3	3.29	-	99	1
Bartow (FL)	-	-	-	-	1.4	390.5	22.92	.11	826.5	335.5	3.43	-	1	99
Suwannee (FL)	-	-	-	-	113.2	304.3	19.19	1.71	1,784.9	286.4	2.94	-	28	72
Anclote (FL)	-	-	-	-	93.7	394.1	23.15	.13	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	7,891.1	277.0	17.58	1.36	-	-	-	-	100	-
Fort Pierre City of	-	-	-	-	**.5**	**422.9**	**24.59**	**.36**	**801.2**	**272.9**	**2.79**	-	*	**100**
H D King (FL)	-	-	-	-	.5	422.9	24.59	.36	801.2	272.9	2.79	-	*	100
Fremont City of	**118.9**	**152.3**	**32.82**	**.50**	**.9**	**294.5**	**11.32**	**.00**	**160.5**	**185.2**	**1.85**	**94**	*	**6**
Wright (NE)	118.9	152.3	32.82	.50	.9	294.5	11.32	.00	160.5	185.2	1.85	94	*	6
Gainesville City of	**445.8**	**168.2**	**45.05**	**.79**	**6.6**	**317.3**	**20.05**	**1.39**	**2,620.9**	**[2] 279.5**	**2.87**	**81**	*	**18**
Deerhaven (FL)	445.8	168.2	45.05	.79	5.1	317.5	20.12	1.39	2,016.1	279.2	2.86	85	*	15
Jr Kelly (FL)	-	-	-	-	1.5	316.5	19.80	1.39	604.8	[2] 280.5	2.88	-	1	99
Garland City of	-	-	-	-	-	-	-	-	**6,283.0**	**162.6**	**1.69**	-	-	**100**
Newman (TX)	-	-	-	-	-	-	-	-	274.0	169.0	1.76	-	-	100
Olinger (TX)	-	-	-	-	-	-	-	-	6,009.0	162.3	1.69	-	-	100
Georgia Power Co	**25,574.3**	**179.4**	**43.58**	**1.75**	**256.7**	**364.2**	**21.52**	**1.18**	**308.2**	**346.0**	**3.54**	**100**	*	*
Arkwright (GA)	285.2	170.5	42.75	2.11	-	-	-	-	30.7	352.8	3.61	100	-	*
Atkinson-Mcdonough (GA)	1,444.3	170.1	39.74	2.56	-	-	-	-	277.5	345.3	3.54	99	-	1
Bowen (GA)	7,891.6	162.5	39.81	1.59	31.8	391.0	22.66	.50	-	-	-	100	*	-
Hammond (GA)	1,961.1	160.4	40.87	1.83	16.2	388.4	22.51	.50	-	-	-	100	*	-
Harllee Branch (GA)	3,796.7	171.4	42.45	1.28	18.7	388.7	22.53	.50	-	-	-	100	*	-
Mcmanus (GA)	-	-	-	-	75.9	306.2	18.91	2.80	-	-	-	-	100	-
Mitchell (GA)	406.8	179.5	45.23	1.37	1.0	417.0	24.17	.50	-	-	-	100	*	-
Yates (GA)	3,041.7	170.9	41.25	1.99	24.9	384.4	22.28	.50	-	-	-	100	*	-
Wansley (GA)	4,658.4	186.1	42.71	2.48	47.5	390.4	22.63	.50	-	-	-	100	*	-
Scherer (GA)	2,088.5	279.1	70.27	.65	40.7	393.3	22.80	.50	-	-	-	100	*	-
Glendale City of	-	-	-	-	-	-	-	-	**2,491.0**	**244.5**	**2.55**	-	-	**100**
Glendale (CA)	-	-	-	-	-	-	-	-	2,491.0	244.5	2.55	-	-	100
Grand Haven City of	**182.7**	**156.9**	**34.41**	**2.57**	-	-	-	-	-	-	-	**100**	-	-
J B Simms (MI)	182.7	156.9	34.41	2.57	-	-	-	-	-	-	-	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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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	**224.7**	**178.4**	**28.87**	**0.37**	**0.6**	**396.4**	**23.31**	**0.50**	**37.9**	**338.0**	**3.18**	**99**	*	**1**
Platte (NE)	224.7	178.4	28.87	.37	.6	396.4	23.31	.50	-	-	-	100	*	-
Burdick (NE)	-	-	-	-	-	-	-	-	37.9	338.0	3.18	-	-	100
Grand River Dam Authority	**2,150.5**	**142.8**	**24.17**	**.49**	**34.0**	**389.7**	**22.47**	**.46**	**22.0**	**[2] 712.5**	**7.27**	**99**	**1**	*
GRDA No 1 (OK)	2,150.5	142.8	24.17	.49	34.0	389.7	22.47	.46	22.0	[2] 712.5	7.27	99	1	*
Greenville City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,624.6**	**165.8**	**1.78**	**-**	**-**	**100**
Greenville (TX)	-	-	-	-	-	-	-	-	1,624.6	165.8	1.78	-	-	100
Gulf Power Co	**3,239.7**	**168.0**	**41.14**	**2.83**	**15.5**	**390.4**	**22.47**	**.45**	**833.8**	**160.8**	**1.61**	**99**	*	**1**
Crist (FL)	2,066.5	172.9	42.26	2.90	8.0	383.3	22.05	.45	833.8	160.8	1.61	98	*	2
Scholtz (FL)	317.8	136.3	33.90	2.81	1.0	399.1	22.96	.45	-	-	-	100	*	-
Smith (FL)	855.4	168.0	41.14	2.66	6.5	397.9	22.90	.45	-	-	-	100	*	-
Gulf States Utilities Co	**2,181.0**	**191.8**	**32.88**	**.46**	**115.9**	**286.4**	**17.93**	**.56**	**157,651.1**	**171.2**	**1.78**	**18**	*	**81**
Nelson (LA)	2,181.0	191.8	32.88	.46	16.0	346.3	20.37	.01	20,955.0	157.8	1.66	63	*	37
Willow Glen (LA)	-	-	-	-	-	-	-	-	32,546.0	169.3	1.79	-	-	100
Lewis Creek (TX)	-	-	-	-	-	-	-	-	20,695.1	169.3	1.75	-	-	100
Sabine (TX)	-	-	-	-	99.9	277.5	17.54	.65	83,455.0	175.8	1.82	-	1	99
Hamilton City of	**98.7**	**141.4**	**35.19**	**.64**	**.7**	**403.6**	**23.22**	**.21**	**282.9**	**210.3**	**2.10**	**90**	*	**10**
Hamilton (OH)	98.7	141.4	35.19	.64	.7	403.6	23.22	.21	282.9	210.3	2.10	90	*	10
Hastings City of	**163.3**	**178.1**	**28.75**	**.39**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Hastings (NE)	163.3	178.1	28.75	.39	-	-	-	-	-	-	-	100	-	-
Hawaiian Electric Co Inc	**-**	**-**	**-**	**-**	**10,374.1**	**344.6**	**21.60**	**.45**	**-**	**-**	**-**	**-**	**100**	**-**
Kahe (HI)	-	-	-	-	3,250.9	347.2	21.91	.46	-	-	-	-	100	-
Waiau (HI)	-	-	-	-	303.9	380.7	23.47	.46	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	6,819.3	341.8	21.37	.44	-	-	-	-	100	-
Holland City of	**148.3**	**159.4**	**41.66**	**.84**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
James De Young (MI)	148.3	159.4	41.66	.84	-	-	-	-	-	-	-	100	-	-
Holyoke Water Power Co	**392.1**	**173.1**	**45.86**	**1.42**	**3.4**	**397.5**	**23.06**	**.24**	**-**	**-**	**-**	**100**	*	**-**
Mount Tom (MA)	392.1	173.1	45.86	1.42	3.4	397.5	23.06	.24	-	-	-	100	*	-
Hoosier Energy R E C Inc	**2,611.1**	**146.0**	**31.95**	**3.44**	**15.3**	**403.5**	**22.99**	**.16**	**-**	**-**	**-**	**100**	*	**-**
Frank E Ratts (IN)	605.4	130.0	28.79	2.90	1.0	408.1	23.21	.16	-	-	-	100	*	-
Merom (IN)	2,005.7	150.9	32.91	3.60	14.3	403.2	22.98	.16	-	-	-	100	*	-
Houston Lighting & Power Co	**15,901.2**	**213.1**	**32.06**	**.69**	**-**	**-**	**-**	**-**	**266,586.6**	**165.5**	**1.71**	**46**	**-**	**54**
Limestone (TX)	7,450.7	156.2	20.31	1.06	-	-	-	-	6,501.1	172.2	1.80	93	-	7
Cedar Bayou (TX)	-	-	-	-	-	-	-	-	88,381.7	162.0	1.68	-	-	100
Deepwater (TX)	-	-	-	-	-	-	-	-	1,551.9	180.2	1.85	-	-	100
Green Bayou (TX)	-	-	-	-	-	-	-	-	14,222.0	164.0	1.73	-	-	100
Clarke (TX)	-	-	-	-	-	-	-	-	41.9	188.4	1.93	-	-	100
Robinson (TX)	-	-	-	-	-	-	-	-	73,912.6	162.8	1.68	-	-	100
Bertron (TX)	-	-	-	-	-	-	-	-	8,065.9	156.8	1.65	-	-	100
Wharton (TX)	-	-	-	-	-	-	-	-	19,870.5	164.7	1.68	-	-	100
Parish (TX)	8,450.5	251.9	42.41	.37	-	-	-	-	35,357.9	181.6	1.88	80	-	20
Webster (TX)	-	-	-	-	-	-	-	-	10,160.4	170.5	1.73	-	-	100
Storage Facility #1	-	-	-	-	-	-	-	-	8,520.7	159.6	1.64	-	-	100
Illinois Power Co	**7,611.5**	**143.8**	**32.09**	**2.38**	**147.3**	**343.0**	**21.05**	**.59**	**517.3**	**250.5**	**2.58**	**99**	**1**	*
Baldwin (IL)	4,779.2	145.5	31.64	2.84	29.5	397.7	23.05	.30	-	-	-	100	*	-
Havana (IL)	689.9	136.5	34.25	.64	117.4	329.8	20.53	.67	-	-	-	96	4	-
Hennepin (IL)	704.0	142.4	31.08	2.83	-	-	-	-	66.1	248.3	2.55	100	-	*
Vermilion (IL)	602.2	120.5	26.04	2.21	.3	428.3	24.82	.30	-	-	-	100	*	-
Wood River (IL)	836.2	157.4	38.09	.89	.1	502.6	29.13	.30	451.2	250.8	2.58	98	*	2
Imperial Irrigation District	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,677.4**	**264.1**	**2.72**	**-**	**-**	**100**
El Centro (CA)	-	-	-	-	-	-	-	-	4,677.4	264.1	2.72	-	-	100
Independence City of	**162.9**	**164.1**	**39.25**	**3.38**	**-**	**-**	**-**	**-**	**159.6**	**317.1**	**3.08**	**96**	**-**	**4**
Blue Valley (MO)	162.9	164.1	39.25	3.38	-	-	-	-	159.6	317.1	3.08	96	-	4
Indiana & Michigan Electric Co	**5,436.9**	**154.3**	**29.35**	**1.34**	**80.1**	**410.3**	**23.69**	**.01**	**-**	**-**	**-**	**100**	*	**-**
Breed (IN)	670.9	147.9	32.74	4.15	6.4	406.9	23.33	.00	-	-	-	100	*	-
Tanners Creek (IN)	1,492.2	159.8	37.15	2.24	35.3	404.5	23.56	.03	-	-	-	99	1	-
Rockport (IN)	3,273.8	152.5	25.10	.35	38.4	416.3	23.86	.00	-	-	-	100	*	-
Indiana-Kentucky Electric Corp	**4,812.0**	**106.4**	**24.55**	**3.30**	**2.6**	**448.2**	**25.91**	**.18**	**-**	**-**	**-**	**100**	*	**-**
Clifty Creek (IN)	4,812.0	106.4	24.55	3.30	2.6	448.2	25.91	.18	-	-	-	100	*	-
Indianapolis Power & Light Co	**5,908.0**	**120.6**	**27.15**	**2.04**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (Continued)

Company Plant (State)	Coal				Petroleum				Gas			% of Total Btu		
	Quantity (1,000 Short Tons)	(Cents per 10^6 Btu)	($ per Short Ton)	(% Avg. Sulfur)	Quantity (1,000 Bbls)	(Cents per 10^6 Btu)	($ per Bbl)	(% Avg. Sulfur)	Quantity (1,000 Mcf)	(Cents per 10^6 Btu)	($ per Mcf)	Coal	Petroleum	Gas
Indianapolis Power & Light Co														
Stout (IN)	1,039.0	136.2	30.61	1.74	-	-	-	-	-	-	-	100	-	-
Pritchard (IN)	323.0	131.2	29.55	2.24	-	-	-	-	-	-	-	100	-	-
Petersburg (IN)	4,546.0	116.3	26.18	2.10	-	-	-	-	-	-	-	100	-	-
Interstate Power Co	**1,566.4**	**178.7**	**34.56**	**1.55**	**5.9**	**414.5**	**24.37**	**0.00**	**909.4**	[2] **199.4**	**1.99**	**97**	**•**	**3**
Dubuque (IA)	142.7	164.2	36.30	3.12	.6	396.4	23.31	.00	29.2	[2] 218.9	2.19	99	•	1
Lansing (IA)	842.6	205.4	35.02	.43	4.9	416.5	24.49	.00	-	-	-	100	•	-
Kapp (IA)	501.4	153.5	33.91	2.96	.4	417.8	24.57	.00	9.7	187.1	1.93	100	•	•
Fox Lake (MN)	79.7	144.6	30.72	1.69	-	-	-	-	870.5	198.9	1.99	66	-	34
Iowa Electric Light & Power Co	**840.0**	**131.9**	**29.95**	**2.21**	**15.0**	**412.7**	**24.01**	**.37**	**441.0**	**256.6**	**2.57**	**97**	**•**	**2**
6th St (IA)	78.0	133.9	31.46	2.28	1.0	402.2	23.48	.00	352.0	262.9	2.63	84	•	16
Praire Creek (IA)	477.0	130.7	30.63	2.19	-	-	-	-	1.0	266.7	2.67	100	-	•
Sutherland (IA)	285.0	133.5	28.41	2.22	14.0	413.5	24.05	.40	88.0	231.1	2.31	97	1	1
Iowa Power & Light Co	**2,670.7**	**100.2**	**16.71**	**.37**	**-**	**-**	**-**	**-**	**128.2**	**236.6**	**2.36**	**100**	**-**	**•**
Council Bluffs (IA)	2,670.7	100.2	16.71	.37	-	-	-	-	128.2	236.6	2.36	100	-	•
Iowa Public Service Co	**3,007.2**	**119.5**	**22.34**	**.52**	**30.3**	**394.1**	**22.84**	**.31**	**1,276.5**	**160.9**	**1.61**	**97**	**•**	**2**
George Neal 1-4 (IA)	3,007.2	119.5	22.34	.52	30.3	394.1	22.84	.31	1,276.5	160.9	1.61	97	•	2
Iowa Southern Utilities Co	**2,650.8**	**109.1**	**19.07**	**.67**	**7.5**	**419.2**	**24.28**	**.04**	**-**	**-**	**-**	**100**	**•**	**-**
Burlington (IA)	460.7	103.4	22.27	2.09	3.7	453.2	26.25	.04	-	-	-	100	•	-
Ottumwa (IA)	2,190.1	110.6	18.40	.37	3.8	386.2	22.36	.04	-	-	-	100	•	-
Iowa-Illinois Gas&Electric Co	**2,310.0**	**112.2**	**19.29**	**.55**	**-**	**-**	**-**	**-**	**907.5**	**293.4**	**3.01**	**98**	**-**	**2**
Moline (IL)	-	-	-	-	-	-	-	-	185.5	352.6	3.61	-	-	100
Riverside (IA)	210.0	108.0	24.97	2.27	-	-	-	-	580.0	285.8	2.93	89	-	11
Louisa (IA)	2,100.0	112.7	18.72	.38	-	-	-	-	142.0	247.3	2.54	100	-	•
Jacksonville Electric Auth	**1,766.4**	**159.5**	**39.58**	**1.49**	**2,758.0**	**294.3**	**18.72**	**1.44**	**4,115.4**	**275.1**	**2.86**	**67**	**27**	**7**
St Johns River (FL)	1,766.4	159.5	39.58	1.49	39.0	371.5	21.71	.07	-	-	-	99	1	-
Kennedy (FL)	-	-	-	-	261.0	300.5	19.33	.93	-	-	-	-	100	-
Northside (FL)	-	-	-	-	2,296.0	292.4	18.57	1.57	-	-	-	-	100	-
Southside (FL)	-	-	-	-	162.0	294.7	19.04	.88	4,115.4	275.1	2.86	-	20	80
Jamestown City of	**115.8**	**131.1**	**33.48**	**1.46**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Samuel A Carlson (NY)	115.8	131.1	33.48	1.46	-	-	-	-	-	-	-	100	-	-
Jersey Central Power&Light Co	**-**	**-**	**-**	**-**	**464.6**	**314.1**	**19.59**	**.50**	**10,598.0**	**250.3**	**2.58**	**-**	**21**	**79**
Werner (NJ)	-	-	-	-	175.3	332.7	20.71	.27	-	-	-	-	100	-
Sayreville (NJ)	-	-	-	-	127.7	324.6	19.99	.28	9,282.2	247.4	2.55	-	8	92
Gilbert (NJ)	-	-	-	-	161.6	286.2	18.06	.91	1,315.8	271.0	2.79	-	43	57
Kansas City City of	**1,338.1**	**145.7**	**26.87**	**.98**	**16.1**	**389.1**	**22.55**	**.06**	**217.7**	**334.1**	**3.33**	**99**	**•**	**1**
Kaw (KS)	83.3	207.6	46.76	2.37	.5	449.4	26.05	.35	74.3	331.8	3.31	96	•	4
Quindaro (KS)	338.9	217.8	48.87	2.43	7.8	398.3	23.08	.06	143.4	335.4	3.34	98	1	2
Nearman (KS)	915.8	102.0	16.92	.32	7.7	375.5	21.76	.03	-	-	-	100	•	-
Kansas City Power & Light Co	**8,589.4**	**100.3**	**17.95**	**1.48**	**82.7**	**386.7**	**22.46**	**.26**	**123.6**	**264.2**	**2.60**	**100**	**•**	**•**
La Cygne (KS)	3,733.2	111.9	19.81	2.43	57.4	386.4	22.43	.24	-	-	-	99	1	-
Hawthorne (MO)	1,569.2	83.1	14.32	.26	-	-	-	-	123.6	264.2	2.60	100	-	•
Montrose (MO)	1,145.1	121.4	23.63	2.17	12.9	389.0	22.59	.28	-	-	-	100	•	-
Iatan (MO)	2,141.9	80.3	14.34	.35	12.4	385.5	22.45	.33	-	-	-	100	•	-
Kansas Gas & Electric Co	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**5,772.0**	**212.8**	**2.10**	**-**	**-**	**100**
Evans (KS)	-	-	-	-	-	-	-	-	2,070.0	216.5	2.12	-	-	100
Gill (KS)	-	-	-	-	-	-	-	-	3,702.0	210.8	2.09	-	-	100
Kansas Power & Light Co	**8,848.5**	**131.6**	**22.72**	**.38**	**-**	**-**	**-**	**-**	**1,899.0**	**210.0**	**2.11**	**99**	**-**	**1**
Hutchinson (KS)	-	-	-	-	-	-	-	-	1,081.6	190.0	1.90	-	-	100
Lawrence (KS)	690.1	152.1	33.27	.85	-	-	-	-	516.3	231.9	2.35	97	-	3
Tecumseh (KS)	155.6	147.9	32.41	.88	-	-	-	-	301.1	242.8	2.46	92	-	8
Jeffrey Energy Cnt (KS)	8,002.8	128.8	21.62	.33	-	-	-	-	-	-	-	100	-	-
Kentucky Power Co	**2,265.8**	**138.0**	**33.10**	**1.16**	**36.4**	**402.1**	**23.56**	**.00**	**-**	**-**	**-**	**100**	**•**	**-**
Big Sandy (KY)	2,265.8	138.0	33.10	1.16	36.4	402.1	23.56	.00	-	-	-	100	•	-
Kentucky Utilities Co	**6,005.3**	**138.7**	**33.70**	**1.66**	**48.4**	**406.2**	**23.89**	**.40**	**-**	**-**	**-**	**100**	**•**	**-**
Brown (KY)	1,538.2	105.0	24.99	2.29	9.3	407.4	23.95	.40	-	-	-	100	•	-
Ghent (KY)	3,846.2	157.3	38.51	1.29	34.7	404.2	23.77	.40	-	-	-	100	•	-
Green River (KY)	545.2	102.8	25.00	2.53	2.0	410.3	24.13	.40	-	-	-	100	•	-
Tyrone (KY)	75.7	117.8	29.10	.88	2.4	427.8	25.15	.40	-	-	-	99	1	-
Lafayette City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**5,790.3**	**178.6**	**1.86**	**-**	**-**	**100**
Bonin (LA)	-	-	-	-	-	-	-	-	5,790.3	178.6	1.86	-	-	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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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
Lake Worth City of	-	-	-	-	8.3	392.6	22.76	0.32	2,616.2	266.5	2.73	-	2	98
Tom G Smith (FL)	-	-	-	-	8.3	392.6	22.76	.32	2,616.2	266.5	2.73	-	2	98
Lakeland City of	733.4	200.0	49.02	1.57	283.9	303.8	18.88	1.51	3,577.8	277.7	2.85	77	8	16
Larsen Mem (FL)	-	-	-	-	24.5	278.6	17.57	1.85	237.2	277.2	2.84	-	39	61
Plant 3-Mcintosh (FL)	733.4	200.0	49.02	1.57	259.4	306.2	19.00	1.48	3,340.6	277.8	2.85	78	7	15
Lansing City of	1,261.9	191.2	49.92	.82	10.4	387.6	22.46	.35	-	-	-	100	*	-
Eckert (MI)	666.3	189.5	49.41	.81	8.4	391.7	22.70	.35	-	-	-	100	*	-
Erickson (MI)	575.6	192.8	50.32	.82	.6	357.6	20.72	.35	-	-	-	100	*	-
Ottawa (MI)	20.0	203.3	55.53	.81	1.4	376.8	21.84	.35	-	-	-	98	2	-
Long Island Lighting Co	-	-	-	-	18,054.0	291.1	18.48	1.39	26,843.2	225.0	2.31	-	81	19
Barrett (NY)	-	-	-	-	1,024.0	321.8	20.07	.36	17,107.0	228.4	2.35	-	27	73
Far Rockaway (NY)	-	-	-	-	304.0	334.5	20.58	.29	3,285.2	237.7	2.45	-	36	64
Glenwood (NY)	-	-	-	-	465.0	328.1	20.55	.35	6,451.0	209.3	2.15	-	30	70
Northport (NY)	-	-	-	-	12,882.0	287.0	18.26	1.47	-	-	-	-	100	-
Port Jefferson (NY)	-	-	-	-	3,379.0	288.6	18.38	1.64	-	-	-	-	100	-
Los Angeles City of	4,598.3	130.4	30.94	.56	502.0	260.9	15.93	.19	56,026.0	248.8	2.60	64	2	34
Harbor (CA)	-	-	-	-	-	-	-	-	3,722.0	242.7	2.52	-	-	100
Haynes (CA)	-	-	-	-	502.0	260.9	15.93	.19	29,811.0	250.4	2.62	-	9	91
Scattergood (CA)	-	-	-	-	-	-	-	-	15,942.0	250.0	2.60	-	-	100
Valley (CA)	-	-	-	-	-	-	-	-	6,551.0	242.2	2.57	-	-	100
Intermountain (UT)	4,598.3	130.4	30.94	.56	-	-	-	-	-	-	-	100	-	-
Louisiana Power & Light Co	-	-	-	-	27.7	283.1	17.80	.78	107,319.7	138.7	1.44	-	*	100
Little Gypsy (LA)	-	-	-	-	2.1	309.2	18.64	.16	33,025.0	100.0	1.03	-	*	100
Nine Mile (LA)	-	-	-	-	7.6	249.0	15.52	.54	47,759.0	149.8	1.56	-	*	100
Sterlington (LA)	-	-	-	-	.1	629.6	36.17	.15	5,868.0	213.0	2.26	-	*	100
Monroe (LA)	-	-	-	-	-	-	-	-	56.7	219.0	2.31	-	-	100
Waterford (LA)	-	-	-	-	18.0	292.6	18.55	.96	20,611.0	152.3	1.57	-	1	99
Louisville Gas & Electric Co	4,295.6	132.9	29.77	3.28	39.7	400.6	23.56	.23	274.0	268.4	2.75	99	*	*
Cane Run (KY)	867.3	130.5	29.20	3.42	3.7	410.4	24.13	.24	150.4	268.0	2.75	99	*	1
Mill Creek (KY)	3,428.3	133.5	29.92	3.24	36.0	399.6	23.50	.23	123.6	268.9	2.76	100	*	*
Lower Colorado River Authority	4,362.0	155.8	26.33	.39	22.0	363.5	21.53	.00	27,887.0	159.2	1.66	72	*	28
Gideon (TX)	-	-	-	-	-	-	-	-	18,687.0	160.4	1.67	-	-	100
T C Ferguson (TX)	-	-	-	-	-	-	-	-	9,200.0	156.8	1.63	-	-	100
S Seymour-Fayette (TX)	4,362.0	155.8	26.33	.39	22.0	363.5	21.53	.00	-	-	-	100	*	-
Lubbock City of	-	-	-	-	-	-	-	-	7,001.0	247.3	2.59	-	-	100
Holly Ave (TX)	-	-	-	-	-	-	-	-	7,001.0	247.3	2.59	-	-	100
Madison Gas & Electric Co	93.0	163.4	37.29	1.59	-	-	-	-	519.0	409.8	4.06	80	-	20
Blount (WI)	93.0	163.4	37.29	1.59	-	-	-	-	519.0	409.8	4.06	80	-	20
Manitowoc City of	112.9	164.0	43.36	.82	-	-	-	-	-	-	-	100	-	-
Manitowoc (WI)	112.9	164.0	43.36	.82	-	-	-	-	-	-	-	100	-	-
Marquette City of	169.5	178.1	34.96	.60	-	-	-	-	-	-	-	100	-	-
Shiras (MI)	169.5	178.1	34.96	.60	-	-	-	-	-	-	-	100	-	-
Medina Electric Coop Inc	-	-	-	-	-	-	-	-	279.1	209.4	2.24	-	-	100
Pearsall (TX)	-	-	-	-	-	-	-	-	279.1	209.4	2.24	-	-	100
Metropolitan Edison Co	1,224.5	161.1	41.84	1.77	47.1	418.1	24.05	.19	-	-	-	99	1	-
Portland (PA)	684.0	159.1	40.82	1.97	32.4	418.4	24.02	.19	-	-	-	99	1	-
Titus (PA)	540.5	163.5	43.14	1.51	14.7	417.3	24.13	.19	-	-	-	99	1	-
Michigan South Central Pwr Agy	160.9	194.9	46.34	3.12	-	-	-	-	-	-	-	100	-	-
Project I (MI)	160.9	194.9	46.34	3.12	-	-	-	-	-	-	-	100	-	-
Minnesota Power & Light Co	3,223.8	139.8	24.14	.78	22.7	447.6	25.75	.00	-	-	-	100	*	-
Aurora-Syl Laskin (MN)	54.3	172.8	29.52	.91	2.7	428.2	24.64	.00	-	-	-	98	2	-
Boswell (MN)	3,169.5	139.2	24.05	.78	20.0	450.2	25.90	.00	-	-	-	100	*	-
Minnkota Power Coop Inc	3,627.0	54.4	7.31	.74	9.0	433.3	25.48	.40	-	-	-	100	*	-
Young (ND)	3,627.0	54.4	7.31	.74	9.0	433.3	25.48	.40	-	-	-	100	*	-
Mississippi Power & Light Co	-	-	-	-	159.4	216.2	13.53	2.92	26,962.8	190.7	1.96	-	3	97
Wilson (MS)	-	-	-	-	4.3	405.3	23.38	.30	8,577.4	217.2	2.26	-	*	100
Delta (MS)	-	-	-	-	-	-	-	-	294.4	151.2	1.51	-	-	100
Brown (MS)	-	-	-	-	.6	412.9	24.49	.02	9,176.8	190.1	1.95	-	*	100
Gerald Andrus (MS)	-	-	-	-	154.4	210.5	13.21	3.00	8,914.1	166.6	1.69	-	10	90

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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 Co	**3,634.5**	**189.7**	**48.19**	**1.45**	**19.3**	**368.3**	**21.60**	**0.53**	**4,135.2**	**171.7**	**1.77**	**95**	*	**4**
Eaton (MS)	-	-	-	-	1.1	337.2	21.18	3.15	755.8	169.3	1.74	-	1	99
Sweatt (MS)	-	-	-	-	2.5	426.2	24.79	.35	757.9	168.6	1.78	-	2	98
Watson (MS)	1,591.2	170.5	41.87	2.44	-	-	-	-	2,621.5	173.3	1.78	94	-	6
Daniel (MS)	2,043.3	203.8	53.11	.68	15.7	361.3	21.12	.37	-	-	-	100	*	-
Missouri Public Service Comm	**671.2**	**161.3**	**35.36**	**3.11**	-	-	-	-	-	-	-	**100**	-	-
Sibley (MO)	671.2	161.3	35.36	3.11	-	-	-	-	-	-	-	100	-	-
Monongahela Power Co	**12,820.5**	**129.3**	**32.69**	**2.40**	**93.8**	**434.2**	**25.71**	**.30**	**87.5**	**393.6**	**3.94**	**100**	*	*
Albright (WV)	954.9	98.0	24.08	1.66	4.8	443.2	26.25	.30	-	-	-	100	*	-
Ft Martin (WV)	2,910.9	142.9	35.70	1.76	31.7	441.0	26.12	.30	-	-	-	100	*	-
Harrison (WV)	4,596.8	138.7	36.58	2.91	2.1	410.7	24.32	.30	87.5	393.6	3.94	100	*	*
Rivesville (WV)	292.7	108.1	26.89	.92	2.4	442.1	26.18	.30	-	-	-	100	*	-
Willow Island (WV)	438.1	111.9	28.06	1.36	4.2	441.8	26.16	.30	-	-	-	100	*	-
Pleasants (WV)	3,627.0	117.4	28.66	2.73	48.5	428.7	25.39	.30	-	-	-	100	*	-
Montana Power Co	**7,376.0**	**63.6**	**11.00**	**.62**	**55.0**	**357.3**	**17.00**	**.01**	**471.0**	**88.1**	**1.06**	**99**	*	*
Corette (MT)	655.0	84.8	14.71	.58	-	-	-	-	471.0	88.1	1.06	95	-	5
Colstrip (MT)	6,721.0	61.5	10.63	.62	55.0	357.3	17.00	.01	-	-	-	100	*	-
Montana-Dakota Utilities Co	**2,450.6**	**89.2**	**12.27**	**.93**	**15.9**	**408.1**	**23.41**	**.30**	**9.3**	**441.6**	**4.77**	**100**	*	*
Heskett (ND)	256.3	111.9	15.62	.93	-	-	-	-	3.6	443.4	4.75	100	-	*
Lewis and Clark (MT)	219.6	116.9	15.45	.59	-	-	-	-	5.7	440.5	4.77	100	-	*
Coyote (ND)	1,974.7	83.3	11.48	.96	15.9	408.1	23.41	.30	-	-	-	100	*	-
Montaup Electric Co	**505.8**	**169.3**	**45.27**	**1.17**	**73.3**	**369.4**	**21.93**	**.37**	-	-	-	**97**	**3**	-
Somerset (MA)	505.8	169.3	45.27	1.17	73.3	369.4	21.93	.37	-	-	-	97	3	-
Muscatine City of	**486.3**	**202.0**	**45.70**	**3.06**	**3.7**	**443.2**	**25.78**	**.00**	**16.7**	**263.1**	**2.63**	**100**	*	*
Muscatine (IA)	486.3	202.0	45.70	3.06	3.7	443.2	25.78	.00	16.7	263.1	2.63	100	*	*
Nebraska Public Power District	**2,911.8**	**103.8**	**18.45**	**.37**	**2.8**	**397.8**	**23.08**	**.28**	**502.5**	**[2] 282.6**	**2.73**	**99**	*	**1**
Kramer (NE)	-	-	-	-	-	-	-	-	145.0	193.2	1.91	-	-	100
Sheldon (NE)	195.9	121.7	21.44	.50	-	-	-	-	46.6	[2] 236.7	2.37	99	-	1
Gerald Gentleman (NE)	2,715.8	102.5	18.24	.36	2.8	397.8	23.08	.28	311.0	333.1	3.16	99	*	1
Nevada Power Co	**1,497.6**	**202.5**	**48.24**	**.53**	**42.1**	**219.8**	**13.49**	**.67**	**3,603.3**	**240.0**	**2.50**	**90**	**1**	**9**
Clark (NV)	-	-	-	-	24.8	204.0	12.65	.75	2,440.7	240.9	2.51	-	6	94
Gardner (NV)	1,497.6	202.5	48.24	.53	5.1	479.3	27.14	.05	-	-	-	100	*	-
Sunrise (NV)	-	-	-	-	12.2	153.2	9.50	.75	1,162.6	238.0	2.48	-	6	94
New England Power Co	**2,991.0**	**158.5**	**41.42**	**1.15**	**7,501.5**	**254.5**	**16.34**	**1.74**	**5,710.5**	**231.8**	**2.39**	**59**	**36**	**4**
Brayton (MA)	2,336.9	157.6	41.13	1.14	3,145.0	252.5	16.32	1.79	-	-	-	75	25	-
Salem Harbor (MA)	654.1	161.5	42.49	1.20	3,524.5	253.2	16.19	1.89	-	-	-	43	57	-
Manchester St (RI)	-	-	-	-	832.0	267.8	17.00	.89	2,417.5	239.5	2.47	-	68	32
South St (RI)	-	-	-	-	-	-	-	-	3,293.0	226.2	2.33	-	-	100
New Orleans Public Service Inc	-	-	-	-	**.6**	**345.5**	**20.70**	**.57**	**31,530.6**	**162.9**	**1.69**	-	*	**100**
Paterson (LA)	-	-	-	-	.4	369.7	21.36	.10	14.3	158.8	1.68	-	12	88
Michoud (LA)	-	-	-	-	.2	303.3	19.40	1.49	31,516.3	162.9	1.69	-	*	100
New York State Elec & Gas Corp	**3,967.1**	**152.1**	**37.99**	**2.00**	**58.2**	**440.4**	**25.34**	**.14**	-	-	-	**100**	*	-
Goudey (NY)	347.6	140.1	34.39	1.78	10.2	437.9	25.20	.14	-	-	-	99	1	-
Greenidge (NY)	334.2	139.9	34.55	1.88	22.4	431.1	24.80	.14	-	-	-	98	2	-
Hickling (NY)	259.0	148.5	33.68	.98	-	-	-	-	-	-	-	100	-	-
Jennison (NY)	203.9	172.8	38.45	.92	-	-	-	-	-	-	-	100	-	-
Milliken (NY)	840.1	155.1	38.04	1.77	3.7	433.3	24.93	.14	-	-	-	100	*	-
Somerset (NY)	1,982.3	153.4	39.70	2.40	21.9	452.5	26.03	.14	-	-	-	100	*	-
Niagara Mohawk Power Corp	**2,897.0**	**147.0**	**38.25**	**1.85**	**5,738.0**	**325.5**	**20.53**	**1.15**	**18,651.0**	**216.8**	**2.24**	**58**	**28**	**15**
Albany (NY)	-	-	-	-	569.0	251.4	16.00	1.63	18,651.0	216.8	2.24	-	16	84
Huntley (NY)	1,593.0	151.4	39.83	1.65	-	-	-	-	-	-	-	100	-	-
Dunkirk (NY)	1,304.0	141.4	36.32	2.09	-	-	-	-	-	-	-	100	-	-
Oswego (NY)	-	-	-	-	5,169.0	333.8	21.03	1.10	-	-	-	-	100	-
Northern Indiana Pub Serv Co	**[1] 5,118.8**	**171.1**	**39.34**	**2.42**	**25.0**	**403.6**	**23.51**	**.50**	**850.3**	**263.2**	**2.63**	**99**	*	**1**
Bailly (IN)	[1] 1,154.9	143.3	33.11	2.83	-	-	-	-	204.9	271.7	2.72	99	-	1
Mitchell (IN)	429.3	159.8	38.93	.65	-	-	-	-	341.9	261.4	2.61	97	-	3
Michigan City (IN)	1,355.3	164.5	36.77	2.72	-	-	-	-	272.2	258.3	2.58	99	-	1
Rollin Schahfer (IN)	2,179.3	192.3	44.31	2.36	25.0	403.6	23.51	.50	31.3	269.8	2.70	100	*	*
Northern States Power Co	**[1] 9,321.3**	**112.2**	**19.59**	**.42**	-	-	-	-	**1,338.2**	**226.3**	**2.26**	**99**	-	**1**
Black Dog (MN)	[1] 417.4	106.9	18.89	.27	-	-	-	-	442.7	242.4	2.43	94	-	6
High Bridge (MN)	547.3	93.9	16.54	.26	-	-	-	-	720.6	212.4	2.12	93	-	7
King (MN)	1,698.6	117.6	20.68	.28	-	-	-	-	-	-	-	100	-	-
Riverside (MN)	693.4	103.4	18.22	.26	-	-	-	-	174.9	242.8	2.42	99	-	1
Sherburne County (MN)	5,964.6	113.8	19.76	.51	-	-	-	-	-	-	-	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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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
Ohio Edison Co	**7,547.5**	**127.8**	**31.15**	**2.10**	**45.5**	**430.9**	**24.75**	**0.34**	**-**	**-**	**-**	**100**	*	**-**
Edgewater (OH)	206.1	141.4	34.03	1.70	3.4	427.8	24.76	.25	-	-	-	100	*	-
Gorge Steam (OH)	105.9	133.6	32.59	2.05	3.3	425.9	24.57	.20	-	-	-	99	1	-
Niles (OH)	626.9	107.9	25.64	3.17	2.1	426.6	24.65	.19	-	-	-	100	*	-
Burger (OH)	1,267.1	121.4	29.34	2.87	5.5	436.5	25.13	.38	-	-	-	100	*	-
Sammis (OH)	4,983.0	132.8	32.65	1.68	30.4	431.3	24.72	.36	-	-	-	100	*	-
Toronto (OH)	358.5	103.2	24.37	3.69	.8	425.1	24.47	.38	-	-	-	100	*	-
Ohio Power Co	**14,096.3**	**168.8**	**38.97**	**3.41**	**139.4**	**420.3**	**24.30**	**.00**	**-**	**-**	**-**	**100**	*	**-**
Muskingum (OH)	3,576.5	161.6	37.06	4.58	40.6	416.3	23.85	.00	-	-	-	100	*	-
Kammer (WV)	2,148.0	121.7	29.08	4.26	3.7	443.0	25.93	.00	-	-	-	100	*	-
Mitchell (WV)	2,995.2	170.5	40.42	1.38	59.7	427.0	24.95	.00	-	-	-	100	*	-
Gavin (OH)	5,376.6	192.6	43.38	3.42	35.4	410.8	23.55	.00	-	-	-	100	*	-
Ohio Valley Electric Corp	**3,387.0**	**138.9**	**33.14**	**3.55**	**4.8**	**438.6**	**25.43**	**.18**	**-**	**-**	**-**	**100**	*	**-**
Kyger Creek (OH)	3,387.0	138.9	33.14	3.55	4.8	438.6	25.43	.18	-	-	-	100	*	-
Oklahoma Gas & Electric Co	**6,069.5**	**152.5**	**28.00**	**.41**	**-**	**-**	**-**	**-**	**96,868.3**	**263.2**	**2.73**	**53**	**-**	**47**
Arbuckle (OK)	-	-	-	-	-	-	-	-	1,768.1	261.1	2.71	-	-	100
Horseshoe Lake (OK)	-	-	-	-	-	-	-	-	27,358.9	263.3	2.73	-	-	100
Muskogee (OK)	3,437.1	145.6	26.65	.43	-	-	-	-	6,837.6	262.7	2.72	90	-	10
Mustang (OK)	-	-	-	-	-	-	-	-	13,859.2	263.2	2.73	-	-	100
Seminole (OK)	-	-	-	-	-	-	-	-	47,044.5	263.3	2.73	-	-	100
Sooner (OK)	2,632.4	161.6	29.76	.38	-	-	-	-	-	-	-	100	-	-
Omaha Public Power District	**2,908.3**	**70.6**	**11.70**	**.33**	**-**	**-**	**-**	**-**	**664.6**	**241.6**	**2.38**	**99**	**-**	**1**
North Omaha (NE)	1,015.9	73.8	12.24	.35	-	-	-	-	664.6	241.6	2.38	96	-	4
Nebraska City (NE)	1,892.4	68.9	11.41	.31	-	-	-	-	-	-	-	100	-	-
Orange & Rockland Utils Inc	**151.2**	**203.8**	**53.87**	**.54**	**4,159.2**	**316.2**	**19.56**	**.29**	**25,543.7**	**223.2**	**2.30**	**7**	**46**	**47**
Bowline (NY)	-	-	-	-	3,938.0	318.0	19.67	.29	18,596.0	220.7	2.28	-	56	44
Lovett (NY)	151.2	203.8	53.87	.54	221.2	284.8	17.56	.35	6,947.7	229.9	2.37	32	11	57
Orlando Utilities Comm	**538.1**	**189.2**	**50.68**	**.97**	**383.7**	**294.6**	**18.55**	**.81**	**10,322.3**	**277.6**	**2.84**	**53**	**9**	**39**
Stanton Energy (FL)	538.1	189.2	50.68	.97	43.5	337.0	20.93	.51	-	-	-	98	2	-
Indian River (FL)	-	-	-	-	340.2	289.3	18.25	.84	10,322.3	277.6	2.84	-	17	83
Otter Tail Power Co	**789.0**	**127.0**	**15.55**	**.87**	**15.6**	**438.8**	**25.80**	**.31**	**-**	**-**	**-**	**99**	**1**	**-**
Hoot Lake (MN)	48.0	176.1	24.66	.99	7.6	443.6	26.09	.31	-	-	-	94	6	-
Big Stone (SD)	741.0	123.4	14.95	.87	8.0	434.3	25.54	.31	-	-	-	99	1	-
Owensboro City of	**695.9**	**135.2**	**29.26**	**2.96**	**3.2**	**404.1**	**23.76**	**.28**	**-**	**-**	**-**	**100**	*	**-**
Smith (KY)	695.9	135.2	29.26	2.96	3.2	404.1	23.76	.28	-	-	-	100	*	-
Pacific Gas & Electric Co	**-**	**-**	**-**	**-**	**1,630.6**	**291.7**	**18.57**	**.31**	**238,595.2**	**255.3**	**2.63**	**-**	**4**	**96**
Contra Costa (CA)	-	-	-	-	-	-	-	-	38,444.6	258.5	2.66	-	-	100
Humboldt Bay (CA)	-	-	-	-	-	-	-	-	1,767.3	255.6	2.62	-	-	100
Hunters Point (CA)	-	-	-	-	-	-	-	-	12,600.3	256.4	2.60	-	-	100
Morro Bay (CA)	-	-	-	-	-	-	-	-	30,997.2	255.0	2.66	-	-	100
Moss Landing (CA)	-	-	-	-	-	-	-	-	64,414.5	252.9	2.64	-	-	100
Pittsburg (CA)	-	-	-	-	1,498.9	290.7	18.55	.30	79,093.8	255.5	2.60	-	11	89
Potrero (CA)	-	-	-	-	131.7	303.6	18.88	.39	11,277.5	256.0	2.59	-	7	93
Pacific Power & Light Co	**15,992.0**	**109.6**	**18.99**	**.62**	**87.0**	**406.2**	**23.91**	**.30**	**-**	**-**	**-**	**100**	*	**-**
Centralia (WA)	4,479.0	167.1	27.08	.69	16.0	409.8	24.27	.30	-	-	-	100	*	-
Johnston (WY)	2,811.0	71.6	10.96	.43	19.0	410.8	23.71	.30	-	-	-	100	*	-
Wyodak (WY)	1,833.0	52.4	8.44	.57	8.0	404.2	23.77	.30	-	-	-	100	*	-
Jim Bridger (WY)	6,869.0	103.2	19.81	.67	44.0	403.3	23.88	.30	-	-	-	100	*	-
Painesville City of	**92.1**	**130.2**	**32.34**	**2.33**	**-**	**-**	**-**	**-**	**16.1**	**424.1**	**4.24**	**99**	**-**	**1**
Painesville (OH)	92.1	130.2	32.34	2.33	-	-	-	-	16.1	424.1	4.24	99	-	1
Pasadena City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,135.3**	**231.6**	**2.39**	**-**	**-**	**100**
Broadway (CA)	-	-	-	-	-	-	-	-	4,135.3	231.6	2.39	-	-	100
Pennsylvania Electric Co	**16,651.0**	**132.3**	**32.19**	**1.79**	**240.0**	**405.4**	**23.64**	**.05**	**-**	**-**	**-**	**100**	*	**-**
Conemaugh (PA)	4,078.0	146.2	36.28	2.30	40.0	411.6	23.99	.05	-	-	-	100	*	-
Front St (PA)	207.0	131.0	31.98	1.84	3.0	402.1	23.44	.05	-	-	-	100	*	-
Homer City (PA)	5,352.0	136.3	32.41	1.66	71.0	394.6	23.01	.05	-	-	-	100	*	-
Seward (PA)	566.0	106.6	25.67	1.51	41.0	409.7	23.88	.05	-	-	-	98	2	-
Shawville (PA)	1,538.0	118.6	29.06	1.96	47.0	406.2	23.68	.05	-	-	-	99	1	-
Warren (PA)	231.0	118.4	28.85	1.68	-	-	-	-	-	-	-	100	-	-
Keystone (PA)	4,679.0	123.8	30.38	1.46	38.0	414.0	24.14	.05	-	-	-	100	*	-
Pennsylvania Power & Light Co	[1] **9,607.0**	**163.6**	**40.06**	**1.74**	**7,269.0**	**295.3**	**18.62**	**.83**	**-**	**-**	**-**	**84**	**16**	**-**
Brunner Island (PA)	3,557.0	174.7	43.72	1.92	51.0	404.7	23.54	.12	-	-	-	100	*	-
Holtwood (PA)	[1] 313.0	94.8	17.47	1.75	-	-	-	-	-	-	-	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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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 Power & Light Co														
Martins Creek (PA)	791.0	191.9	48.37	2.01	-	-	-	-	-	-	-	100	-	-
Montour (PA)	3,685.0	163.6	41.23	1.53	61.0	401.9	23.41	0.13	-	-	-	100	*	-
Sunbury (PA)	[1] 1,261.0	121.9	26.71	1.64	6.0	393.3	22.91	.12	-	-	-	100	*	-
Storage Facility #1	-	-	-	-	7,151.0	293.7	18.54	.84	-	-	-	-	100	-
Pennsylvania Power Co	**6,766.0**	**142.4**	**34.48**	**3.46**	**145.4**	**406.8**	**23.62**	**.36**	-	-	-	**99**	**1**	-
New Castle (PA)	1,004.3	123.7	30.36	1.36	9.5	479.9	27.61	.25	-	-	-	100	*	-
Bruce Mansfield (PA)	5,761.7	145.7	35.20	3.83	135.9	401.7	23.34	.37	-	-	-	99	1	-
Philadelphia Electric Co	**1,279.0**	**151.4**	**39.47**	**1.56**	**4,275.0**	**311.3**	**19.55**	**.53**	-	-	-	**55**	**45**	-
Cromby (PA)	285.0	150.6	39.14	1.68	-	-	-	-	-	-	-	100	-	-
Delaware (PA)	-	-	-	-	971.0	311.1	19.45	.44	-	-	-	-	100	-
Eddystone (PA)	994.0	151.6	39.57	1.53	2,018.0	314.1	19.71	.46	-	-	-	67	33	-
Schuylkill (PA)	-	-	-	-	471.0	322.0	20.17	.48	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	815.0	298.6	18.92	.86	-	-	-	-	100	-
Plains Elec Gen&Trans Coop Inc	**611.8**	**163.9**	**31.46**	**.74**	-	-	-	-	**26.0**	**379.0**	**3.42**	**100**	-	*
Escalante (NM)	611.8	163.9	31.46	.74	-	-	-	-	22.3	369.4	3.22	100	-	*
Algodones (NM)	-	-	-	-	-	-	-	-	3.6	426.3	4.61	-	-	100
Platte River Power Authority	**1,142.1**	**75.8**	**13.30**	**.27**	-	-	-	-	-	-	-	**100**	-	-
Rawhide (CO)	1,142.1	75.8	13.30	.27	-	-	-	-	-	-	-	100	-	-
Portland General Electric Co	**376.7**	**140.2**	**23.78**	**.32**	-	-	-	-	-	-	-	**100**	-	-
Boardman (OR)	376.7	140.2	23.78	.32	-	-	-	-	-	-	-	100	-	-
Potomac Edison Co	**230.8**	**124.2**	**31.19**	**.99**	**4.5**	**400.1**	**23.69**	**.30**	-	-	-	**100**	*	-
Smith (MD)	230.8	124.2	31.19	.99	4.5	400.1	23.69	.30	-	-	-	100	*	-
Potomac Electric Power Co	**6,157.2**	**159.1**	**40.16**	**1.55**	**2,413.2**	**338.1**	**20.69**	**1.19**	**6,833.0**	**268.7**	**2.80**	**88**	**8**	**4**
Benning (DC)	-	-	-	-	542.5	354.8	21.28	.96	-	-	-	-	100	-
Chalk (MD)	1,620.7	164.2	41.12	1.73	1,580.6	329.0	20.35	1.33	6,833.0	268.7	2.80	71	17	12
Dickerson (MD)	1,282.2	136.8	34.59	1.47	26.1	392.9	22.86	.20	-	-	-	100	*	-
Morgantown (MD)	2,424.0	163.2	40.99	1.73	241.0	352.2	21.15	.93	-	-	-	98	2	-
Potomac River (VA)	830.3	171.4	44.45	.77	23.0	380.8	22.17	.20	-	-	-	99	1	-
Power Authority of State of NY	-	-	-	-	**1,932.0**	**323.0**	**20.05**	**.24**	**19,576.0**	**257.8**	**2.66**	-	**37**	**63**
Poletti (NY)	-	-	-	-	1,932.0	323.0	20.05	.24	19,576.0	257.8	2.66	-	37	63
Public Service Co of Colorado	**5,772.4**	**126.5**	**23.78**	**.36**	**28.0**	**384.8**	**22.10**	**.53**	**4,601.0**	[2] **221.6**	**2.18**	**96**	*	**4**
Arapahoe (CO)	288.9	152.6	33.16	.41	-	-	-	-	528.8	205.6	2.02	92	-	8
Cameo (CO)	145.9	134.6	31.26	.46	-	-	-	-	91.9	389.4	4.06	97	-	3
Cherokee (CO)	1,484.1	138.6	29.74	.40	-	-	-	-	2,869.7	207.3	2.03	92	-	8
Comanche (CO)	1,691.1	122.7	20.87	.31	9.9	395.2	22.52	.34	10.2	197.1	1.95	100	*	*
Valmont (CO)	350.6	125.3	27.88	.43	-	-	-	-	844.1	[2] 267.7	2.65	90	-	10
Zuni (CO)	-	-	-	-	-	-	-	-	256.3	197.1	1.93	-	-	100
Pawnee (CO)	1,811.9	111.4	18.73	.33	18.1	379.2	21.88	.64	-	-	-	100	*	-
Public Service Co of IN Inc	**11,377.1**	**152.6**	**33.02**	**2.42**	**141.8**	**413.8**	**23.81**	**.30**	-	-	-	**100**	*	-
Cayuga (IN)	2,594.4	143.4	30.43	2.32	14.6	430.4	24.77	.30	-	-	-	100	*	-
Edwardsport (IN)	100.1	85.8	18.65	2.31	-	-	-	-	-	-	-	100	-	-
Noblesville (IN)	21.9	113.8	25.01	3.66	2.9	417.1	24.00	.30	-	-	-	97	3	-
Gallagher (IN)	964.8	144.0	33.46	2.71	30.5	423.5	24.37	.30	-	-	-	99	1	-
Wabash River (IN)	857.3	127.8	27.97	2.23	29.2	416.2	23.95	.30	-	-	-	99	1	-
Gibson Station (IN)	6,838.6	161.6	34.81	2.44	64.6	404.3	23.26	.30	-	-	-	100	*	-
Public Service Co of NH	**1,115.5**	**191.8**	**51.47**	**2.20**	**3,384.6**	**258.7**	**16.93**	**1.74**	-	-	-	**57**	**43**	-
Merrimack (NH)	949.6	191.5	51.60	2.39	2.5	419.7	24.33	.28	-	-	-	100	*	-
Schiller (NH)	165.9	193.8	50.73	1.15	-	-	-	-	-	-	-	100	-	-
Newington Station (NH)	-	-	-	-	3,382.1	258.6	16.92	1.74	-	-	-	-	100	-
Public Service Co of NM	**5,037.0**	**156.6**	**29.52**	**.78**	**69.8**	**357.0**	**20.89**	**.94**	**250.9**	**218.6**	**2.36**	**99**	*	*
Reeves (NM)	-	-	-	-	-	-	-	-	250.9	218.6	2.36	-	-	100
San Juan (NM)	5,037.0	156.6	29.52	.78	69.8	357.0	20.89	.94	-	-	-	100	*	-
Public Service Co of Oklahoma	**2,954.0**	**165.2**	**28.19**	**.43**	**.6**	**476.7**	**27.92**	**.46**	**69,834.0**	**287.6**	**3.06**	**40**	*	**60**
Northeastern (OK)	2,954.0	165.2	28.19	.43	.1	385.0	22.35	.24	18,265.0	290.6	3.05	72	*	28
Southwestern (OK)	-	-	-	-	.5	494.9	29.03	.50	4,708.0	278.9	3.06	-	*	100
Riverside (OK)	-	-	-	-	-	-	-	-	30,870.0	285.2	2.97	-	-	100
Comanche (CS) (OK)	-	-	-	-	-	-	-	-	15,991.0	291.3	3.22	-	-	100
Public Service Electric&Gas Co	**1,811.2**	**180.1**	**48.06**	**.94**	**2,507.9**	**322.8**	**19.96**	**.30**	**39,796.7**	**254.9**	**2.64**	**46**	**15**	**39**
Bergen (NJ)	-	-	-	-	19.5	360.7	22.39	.27	22,191.4	261.0	2.69	-	1	99
Burlington (NJ)	-	-	-	-	425.1	313.7	19.61	.48	-	-	-	-	100	-
Hudson (NJ)	1,017.1	170.2	44.89	.87	84.8	331.7	20.41	.25	8,845.9	247.0	2.59	73	1	25
Kearny (NJ)	-	-	-	-	319.5	330.8	20.48	.26	-	-	-	-	100	-

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

Table 51. Quantity, Cost, and Quality of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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 Electric&Gas Co														
Linden (NJ)	-	-	-	-	1,576.1	323.3	19.92	0.27	-	-	-	-	100	-
Mercer (NJ)	794.1	192.5	52.11	1.03	-	-	-	-	1,689.9	257.8	2.65	93	-	7
Sewaren (NJ)	-	-	-	-	82.9	312.5	19.55	.25	7,069.5	245.1	2.53	-	7	93
Richmond City of	**192.3**	**165.4**	**37.29**	**2.47**	-	-	-	-	-	-	-	**100**	-	-
Whitewater (IN)	192.3	165.4	37.29	2.47	-	-	-	-	-	-	-	100	-	-
Rochester City of	**122.1**	**192.6**	**47.21**	**1.72**	-	-	-	-	**1,361.4**	**194.4**	**1.93**	**69**	-	**31**
Silver Lake (MN)	122.1	192.6	47.21	1.72	-	-	-	-	1,361.4	194.4	1.93	69	-	31
Rochester Gas & Electric Corp	**532.6**	**170.0**	**44.99**	**2.25**	-	-	-	-	-	-	-	**100**	-	-
Rochester 3 (NY)	149.4	170.1	44.88	2.29	-	-	-	-	-	-	-	100	-	-
Rochester 7 (NY)	383.2	170.0	45.03	2.24	-	-	-	-	-	-	-	100	-	-
Ruston City of	-	-	-	-	-	-	-	-	**1,986.4**	**189.2**	**1.98**	-	-	**100**
Steam Plant (LA)	-	-	-	-	-	-	-	-	1,986.4	189.2	1.98	-	-	100
S Mississippi Elec Pwr Assn	**795.3**	**222.3**	**55.84**	**.93**	**7.1**	**400.9**	**22.65**	**.30**	**5,333.2**	**167.0**	**1.72**	**78**	*	**21**
Moselle (MS)	-	-	-	-	-	-	-	-	5,333.2	167.0	1.72	-	-	100
R D Morrow (MS)	795.3	222.3	55.84	.93	7.1	400.9	22.65	.30	-	-	-	100	*	-
Salt River Proj Ag I & P Dist	**8,708.7**	**113.6**	**24.74**	**.49**	**226.4**	**433.8**	**25.28**	**.15**	**4,255.0**	**251.7**	**2.63**	**97**	**1**	**2**
Agua Fria (AZ)	-	-	-	-	10.7	224.0	13.21	.79	3,978.9	252.1	2.63	-	1	99
Kyrene (AZ)	-	-	-	-	-	-	-	-	276.1	245.9	2.54	-	-	100
Navajo (AZ)	7,043.5	89.9	19.80	.49	95.8	446.2	25.82	.12	-	-	-	100	*	-
Coronado (AZ)	1,665.2	220.4	45.60	.49	119.9	442.9	25.93	.12	-	-	-	98	2	-
San Antonio City of	**2,657.0**	**166.5**	**27.67**	**.36**	-	-	-	-	**67,680.3**	**180.6**	**1.85**	**39**	-	**61**
Leon Creek (TX)	-	-	-	-	-	-	-	-	296.7	177.8	1.82	-	-	100
Mission Rd (TX)	-	-	-	-	-	-	-	-	76.3	179.9	1.86	-	-	100
Sommers (TX)	-	-	-	-	-	-	-	-	32,496.4	180.4	1.84	-	-	100
Braunig (TX)	-	-	-	-	-	-	-	-	31,683.8	181.1	1.85	-	-	100
Tuttle (TX)	-	-	-	-	-	-	-	-	3,127.0	179.2	1.86	-	-	100
J T Deely (TX)	2,657.0	166.5	27.67	.36	-	-	-	-	-	-	-	100	-	-
San Diego Gas & Electric Co	-	-	-	-	-	-	-	-	**45,397.0**	**204.3**	**2.11**	-	-	**100**
Encina (CA)	-	-	-	-	-	-	-	-	22,317.0	204.0	2.12	-	-	100
South Bay (CA)	-	-	-	-	-	-	-	-	23,080.0	204.6	2.11	-	-	100
San Miguel Electric Coop Inc	**2,524.7**	**85.8**	**9.22**	**1.68**	**7.2**	**358.4**	**21.00**	**.62**	-	-	-	**100**	*	-
San Miquel (TX)	2,524.7	85.8	9.22	1.68	7.2	358.4	21.00	.62	-	-	-	100	*	-
Savannah Electric & Power Co	**777.0**	**164.3**	**42.81**	**.87**	**143.4**	**311.6**	**19.18**	**2.45**	**496.8**	**387.3**	**3.96**	**94**	**4**	**2**
Port Wentworth (GA)	360.3	164.3	43.16	.93	141.2	310.1	19.10	2.49	487.3	387.2	3.96	87	8	5
Riverside (GA)	-	-	-	-	-	-	-	-	9.5	393.2	4.02	-	-	100
McIntosh (GA)	416.7	164.3	42.51	.81	2.2	420.1	23.97	.00	-	-	-	100	*	-
Seminole Electric Coop Inc	**3,052.0**	**201.1**	**48.80**	**2.86**	**42.0**	**385.4**	**22.58**	**.32**	-	-	-	**100**	*	-
Seminole (FL)	3,052.0	201.1	48.80	2.86	42.0	385.4	22.58	.32	-	-	-	100	*	-
Sierra Pacific Power Co	**1,102.7**	**185.3**	**40.63**	**.39**	**424.4**	**247.4**	**15.42**	**.68**	**1,490.0**	**289.0**	**2.93**	**85**	**9**	**5**
Fort Churchill (NV)	-	-	-	-	305.9	238.6	14.91	.74	1,117.4	288.8	2.93	-	63	37
Tracy (NV)	-	-	-	-	102.3	247.2	15.45	.61	372.7	289.4	2.94	-	63	37
North Valmy (NV)	1,102.7	185.3	40.63	.39	16.2	429.0	24.95	.00	-	-	-	100	*	-
Sikeston City of	**576.1**	**149.7**	**34.27**	**2.22**	**4.1**	**363.7**	**21.54**	**1.35**	-	-	-	**100**	*	-
Sikeston (MO)	576.1	149.7	34.27	2.22	4.1	363.7	21.54	1.35	-	-	-	100	*	-
South Carolina Electric&Gas Co	**4,778.8**	**170.7**	**43.98**	**1.25**	**64.9**	**402.6**	**23.33**	**.20**	**173.4**	**347.3**	**3.57**	**100**	*	*
Canadys (SC)	561.7	169.7	43.62	1.52	4.0	410.7	23.81	.20	82.6	326.2	3.36	99	*	1
Hagood (SC)	-	-	-	-	-	-	-	-	14.4	576.6	5.90	-	-	100
Mcmeekin (SC)	670.5	165.5	43.25	1.46	4.5	405.3	23.49	.20	6.6	306.7	3.14	100	*	*
Urguhart (SC)	521.6	159.2	41.08	1.19	1.2	409.5	23.73	.20	69.8	329.0	3.37	99	*	1
Wateree (SC)	1,557.7	161.8	41.44	1.31	45.1	400.0	23.18	.20	-	-	-	99	1	-
Williams (SC)	1,467.3	187.2	48.17	1.02	10.1	408.9	23.70	.20	-	-	-	100	*	-
South Carolina Pub Serv Auth	**4,127.5**	**179.8**	**44.56**	**1.18**	**36.7**	**396.9**	**23.34**	**.10**	-	-	-	**100**	*	-
Cross (SC)	1,282.2	189.0	47.06	1.10	6.8	388.7	22.85	.10	-	-	-	100	*	-
Grainger (SC)	121.9	154.6	39.15	1.95	1.2	410.7	24.15	.10	-	-	-	100	*	-
Jefferies (SC)	480.3	181.7	44.22	1.65	7.2	384.5	22.61	.10	-	-	-	100	*	-
Winyah (SC)	2,243.2	175.5	43.50	1.09	21.4	403.0	23.69	.10	-	-	-	100	*	-
Southern California Edison Co	**4,292.9**	**104.5**	**22.96**	**.53**	**1,060.9**	**276.4**	**17.08**	**.30**	**251,095.7**	**254.0**	**2.65**	**26**	**2**	**72**
Alamitos (CA)	-	-	-	-	-	-	-	-	58,158.2	251.5	2.63	-	-	100
Cool Water (CA)	-	-	-	-	-	-	-	-	1,291.2	217.4	2.28	-	-	100
El Segundo (CA)	-	-	-	-	-	-	-	-	23,380.8	260.3	2.71	-	-	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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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
Southern California Edison Co														
Etiwanda (CA)	-	-	-	-	-	-	-	-	20,069.9	260.2	2.69	-	-	100
Highgrove (CA)	-	-	-	-	-	-	-	-	15.6	250.2	2.57	-	-	100
Huntington Beach (CA)	-	-	-	-	-	-	-	-	15,897.3	240.4	2.51	-	-	100
Mandalay (CA)	-	-	-	-	-	-	-	-	19,180.1	260.0	2.75	-	-	100
Ormond Beach (CA)	-	-	-	-	-	-	-	-	61,725.0	258.8	2.70	-	-	100
Redondo (CA)	-	-	-	-	-	-	-	-	48,383.1	248.1	2.60	-	-	100
San Bernardino (CA)	-	-	-	-	-	-	-	-	1,066.2	264.2	2.72	-	-	100
Mohave (NV)	4,292.9	104.5	22.96	0.53	-	-	-	-	1,928.3	262.6	2.73	98	-	2
Storage Facility #1	-	-	-	-	1,060.9	276.4	17.08	0.30	-	-	-	-	100	-
Southern Illinois Power Coop	**655.0**	**94.6**	**20.72**	**3.25**	-	-	-	-	-	-	-	**100**	-	-
Marion (IL)	655.0	94.6	20.72	3.25	-	-	-	-	-	-	-	100	-	-
Southern Indiana Gas & Elec Co	**2,296.4**	**146.4**	**32.93**	**3.34**	**11.8**	**427.3**	**24.94**	**.39**	**27.7**	**269.9**	**2.77**	**100**	*	*
Culley (IN)	689.4	152.6	33.66	2.96	2.0	449.2	26.22	.39	19.9	270.4	2.77	100	*	*
A B Brown (IN)	1,147.0	156.1	35.90	3.65	9.7	422.7	24.68	.39	-	-	-	100	*	-
Warrick (IN)	460.0	111.7	24.44	3.14	-	-	-	-	7.8	268.7	2.75	100	-	*
Southwestern Electric Power Co	**9,464.0**	**163.4**	**25.91**	**.69**	**41.0**	**384.7**	**22.62**	**.13**	**19,404.0**	**222.7**	**2.14**	**89**	*	**11**
Arsenal Hill (LA)	-	-	-	-	-	-	-	-	109.0	181.8	1.91	-	-	100
Lieberman (LA)	-	-	-	-	-	-	-	-	5,790.0	249.7	2.63	-	-	100
Knox Lee (TX)	-	-	-	-	-	-	-	-	3,985.0	158.7	1.69	-	-	100
Lone Star (TX)	-	-	-	-	-	-	-	-	1,585.0	356.5	3.03	-	-	100
Wilkes (TX)	-	-	-	-	-	-	-	-	7,836.0	211.6	1.82	-	-	100
Flint Creek (AR)	1,664.0	143.9	24.19	.33	10.0	392.7	23.09	.06	-	-	-	100	*	-
Welsh Station (TX)	4,993.0	194.0	32.61	.33	31.0	382.1	22.46	.15	-	-	-	100	*	-
Pirkey (TX)	2,807.0	110.5	15.00	1.52	-	-	-	-	99.0	276.6	2.93	100	-	*
Southwestern Public Service Co	**7,200.5**	**171.2**	**30.26**	**.37**	-	-	-	-	**25,594.0**	**227.7**	**2.30**	**83**	-	**17**
Maddox (NM)	-	-	-	-	-	-	-	-	5,161.0	267.4	2.74	-	-	100
Cunningham (NM)	-	-	-	-	-	-	-	-	9,179.0	215.5	2.21	-	-	100
Jones (TX)	-	-	-	-	-	-	-	-	4,274.0	225.2	2.32	-	-	100
Nichols (TX)	-	-	-	-	-	-	-	-	6,224.0	215.3	2.09	-	-	100
Plant X (TX)	-	-	-	-	-	-	-	-	346.0	241.6	2.49	-	-	100
Harrington (TX)	3,757.5	162.9	29.03	.37	-	-	-	-	303.0	171.5	1.67	100	-	*
Tolk (TX)	3,443.0	180.4	31.60	.37	-	-	-	-	107.0	264.6	2.72	100	-	*
Springfield City of	**644.1**	**117.9**	**29.25**	**4.12**	-	-	-	-	**152.6**	**302.8**	**3.05**	**99**	-	**1**
James River (MO)	374.5	120.4	29.51	4.16	-	-	-	-	122.8	309.1	3.11	99	-	1
Southwest (MO)	269.6	114.5	28.90	4.07	-	-	-	-	29.8	276.9	2.81	100	-	*
Springfield City of	**840.4**	**158.5**	**32.99**	**2.92**	-	-	-	-	-	-	-	**100**	-	-
Dallman (IL)	771.7	158.5	32.98	2.92	-	-	-	-	-	-	-	100	-	-
Lakeside (IL)	68.7	158.7	33.08	2.94	-	-	-	-	-	-	-	100	-	-
St Joseph Light & Power Co	**111.3**	**137.1**	**33.36**	**3.57**	**39.2**	**233.6**	**15.17**	**1.85**	**319.8**	**283.9**	**2.78**	**83**	**8**	**10**
Lakeroad (MO)	111.3	137.1	33.36	3.57	39.2	233.6	15.17	1.85	319.8	283.9	2.78	83	8	10
Sunflower Electric Coop Inc	**902.1**	**105.5**	**17.47**	**.35**	-	-	-	-	**91.8**	**182.2**	**1.39**	**100**	-	*
Holcomb (KS)	902.1	105.5	17.47	.35	-	-	-	-	91.8	182.2	1.39	100	-	*
Tallahassee City of	-	-	-	-	**67.2**	**289.0**	**18.42**	**1.58**	**11,684.5**	**270.6**	**2.80**	-	**3**	**97**
Hopkins (FL)	-	-	-	-	24.4	294.6	18.78	1.58	10,856.3	270.5	2.80	-	1	99
Purdom (FL)	-	-	-	-	42.8	285.8	18.22	1.58	828.2	272.3	2.82	-	24	76
Tampa Electric Co	**6,947.4**	**181.2**	**44.46**	**2.08**	**186.1**	**390.2**	**22.70**	**.31**	-	-	-	**99**	**1**	-
Big Bend (FL)	6,475.7	177.3	43.31	2.15	133.3	389.8	22.67	.32	-	-	-	100	*	-
Gannon (FL)	471.7	232.3	60.17	1.09	52.9	391.0	22.78	.29	-	-	-	98	2	-
Taunton City of	-	-	-	-	**397.2**	**296.1**	**18.50**	**1.91**	**165.3**	**284.5**	**2.93**	-	**94**	**6**
Cleary (MA)	-	-	-	-	397.2	296.1	18.50	1.91	165.3	284.5	2.93	-	94	6
Tennessee Valley Authority	**35,639.0**	**135.1**	**31.82**	**2.42**	**218.4**	**402.4**	**23.35**	**.50**	-	-	-	**100**	*	-
Colbert (AL)	3,288.2	184.8	43.04	2.24	-	-	-	-	-	-	-	100	-	-
Widows Creek (AL)	2,504.2	127.8	31.33	2.28	30.9	408.7	23.53	.50	-	-	-	100	*	-
Paradise (KY)	6,427.7	104.8	22.57	4.24	34.6	416.2	24.25	.50	-	-	-	100	*	-
Shawnee (KY)	2,311.9	136.0	33.69	1.18	21.0	431.7	24.89	.50	-	-	-	100	*	-
Allen (TN)	1,627.1	127.9	31.43	2.27	-	-	-	-	-	-	-	100	-	-
Bull Run (TN)	2,011.3	195.5	44.72	.87	43.0	388.2	22.51	.50	-	-	-	99	1	-
Cumberland (TN)	6,667.1	137.2	31.99	2.83	63.9	395.1	23.02	.50	-	-	-	100	*	-
Gallatin (TN)	2,456.6	147.9	36.21	2.77	-	-	-	-	-	-	-	100	-	-
Sevier (TN)	2,055.8	124.3	31.76	1.39	5.0	407.4	23.71	.50	-	-	-	100	*	-
Johnsonville (TN)	2,717.6	117.5	27.39	1.78	-	-	-	-	-	-	-	100	-	-
Kingston (TN)	3,571.5	122.4	30.24	1.28	20.0	391.3	22.63	.50	-	-	-	100	*	-
Texas Municipal Power Agency	**3,282.5**	**145.4**	**13.89**	**1.00**	**12.3**	**369.6**	**21.89**	**.51**	-	-	-	**100**	*	-
Gibbons Creek (TX)	3,282.5	145.4	13.89	1.00	12.3	369.6	21.89	.51	-	-	-	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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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
Texas Utilities Electric Co	**29,026.0**	**105.9**	**13.54**	**0.72**	**246.0**	**394.5**	**22.90**	**0.38**	**359,910.1**	**255.8**	**2.67**	**50**	*****	**50**
Dallas (TX)	-	-	-	-	1.0	478.1	29.72	.50	1,376.1	257.7	2.67	-	*	100
Lake Hubbard (TX)	-	-	-	-	.2	399.8	23.17	.50	28,858.0	255.3	2.67	-	*	100
Mountain Creek (TX)	-	-	-	-	9.2	465.3	27.01	.50	26,009.0	255.2	2.65	-	*	100
North Lake (TX)	-	-	-	-	.2	399.8	23.17	.50	17,032.0	256.7	2.63	-	*	100
Parkdale (TX)	-	-	-	-	3.0	478.1	29.72	.50	5,703.0	257.4	2.62	-	*	100
Eagle Mountain (TX)	-	-	-	-	.2	409.8	23.75	.50	8,198.0	257.0	2.65	-	*	100
Graham (TX)	-	-	-	-	-	-	-	-	18,805.0	255.2	2.83	-	-	100
Handley (TX)	-	-	-	-	-	-	-	-	24,259.0	255.1	2.65	-	-	100
Morgan Creek (TX)	-	-	-	-	-	-	-	-	32,560.0	256.4	2.69	-	-	100
North Main (TX)	-	-	-	-	.1	478.1	29.72	.50	612.0	255.1	2.65	-	*	100
Permian Basin (TX)	-	-	-	-	83.0	407.2	23.60	.50	29,953.0	257.1	2.64	-	2	98
Big Brown (TX)	5,217.0	101.9	13.66	.77	-	-	-	-	1,203.0	254.9	2.68	98	-	2
Collin (TX)	-	-	-	-	.2	399.8	23.17	.50	1,822.0	257.7	2.69	-	*	100
Lake Creek (TX)	-	-	-	-	.4	409.8	23.75	.50	5,134.0	256.6	2.70	-	*	100
River Crest (TX)	-	-	-	-	.2	478.1	29.72	.50	1,618.0	254.8	2.73	-	*	100
Stryker (TX)	-	-	-	-	.5	379.9	22.02	.50	30,569.0	256.3	2.70	-	*	100
Tradinghouse (TX)	-	-	-	-	-	-	-	-	55,341.0	255.2	2.62	-	-	100
Trinidad (TX)	-	-	-	-	.4	372.7	21.60	.50	3,405.0	254.9	2.66	-	*	100
Valley (TX)	-	-	-	-	1.0	431.3	25.00	.50	32,110.0	256.4	2.72	-	*	100
Martin Lake (TX)	12,202.0	118.4	15.66	.82	76.0	382.4	22.16	.50	-	-	-	100	*	-
Monticello (TX)	10,971.0	94.0	11.29	.58	65.4	375.0	21.74	.05	-	-	-	100	*	-
Sandow No 4 (TX)	636.0	84.4	10.55	1.10	5.0	409.6	23.74	.50	-	-	-	100	*	-
Decordova (TX)	-	-	-	-	-	-	-	-	35,343.0	254.5	2.65	-	-	100
Toledo Edison Co	**1,522.5**	**197.2**	**52.16**	**1.21**	**1.8**	**408.2**	**23.68**	**.00**	**31.0**	**474.0**	**4.87**	**100**	*****	*****
Acme (OH)	123.6	154.7	40.24	.69	-	-	-	-	31.0	474.0	4.87	99	-	1
Bay Shore (OH)	1,398.9	200.9	53.21	1.25	1.8	408.2	23.68	.00	-	-	-	100	*	-
Tucson Electric Power Co	**225.2**	**256.3**	**52.03**	**.41**	**-**	**-**	**-**	**-**	**3,186.0**	**228.6**	**2.36**	**58**	**-**	**42**
Irvington (AZ)	225.2	256.3	52.03	.41	-	-	-	-	3,186.0	228.6	2.36	58	-	42
Union Electric Co	**9,609.0**	**163.3**	**36.24**	**1.91**	**307.0**	**284.2**	**17.41**	**1.38**	**574.0**	**329.0**	**3.39**	**99**	**1**	*****
Venice No.2 (IL)	-	-	-	-	18.0	433.4	24.94	.29	472.0	329.0	3.39	-	18	82
Ashley (MO)	-	-	-	-	225.0	241.8	15.39	1.75	-	-	-	-	100	-
Labadie (MO)	5,067.0	161.3	36.46	2.27	39.0	440.3	25.34	.46	-	-	-	100	*	-
Meramec (MO)	434.0	166.2	38.74	1.29	12.0	297.7	11.47	.00	102.0	328.6	3.39	99	*	1
Sioux (MO)	1,622.0	157.9	34.92	2.34	3.0	386.4	22.23	.50	-	-	-	100	*	-
Rush Island (MO)	2,486.0	170.9	36.21	1.00	10.0	421.2	24.23	.48	-	-	-	100	*	-
United Illuminating Co	**770.0**	**242.0**	**63.56**	**.49**	**5,973.9**	**288.2**	**18.21**	**.93**	**3,180.0**	**268.9**	**2.77**	**33**	**62**	**5**
Bridgeport Harbor (CT)	770.0	242.0	63.56	.49	2,167.9	284.0	17.93	.89	-	-	-	60	40	-
English (CT)	-	-	-	-	90.7	306.8	19.34	.95	-	-	-	-	100	-
New Haven Hbr (CT)	-	-	-	-	3,715.3	290.2	18.35	.96	3,180.0	268.9	2.77	-	88	12
United Power Assn	**1,044.5**	**101.7**	**13.62**	**.64**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Stanton (ND)	1,044.5	101.7	13.62	.64	-	-	-	-	-	-	-	100	-	-
Upper Peninsula Generating Co	**1,425.0**	**196.4**	**39.21**	**.61**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**	**-**	**-**
Presque Isle (MI)	1,425.0	196.4	39.21	.61	-	-	-	-	-	-	-	100	-	-
Utah Power & Light Co	**8,197.0**	**110.9**	**24.65**	**.51**	**45.0**	**417.9**	**24.57**	**.30**	**95.0**	**336.2**	**3.44**	**100**	*****	*****
Carbon (UT)	362.0	187.7	44.09	.53	1.0	437.5	25.72	.30	-	-	-	100	*	-
Gadsby (UT)	41.0	202.9	48.16	.53	-	-	-	-	5.0	507.4	5.47	99	-	1
Naughton (WY)	2,044.0	119.9	23.15	.59	7.0	431.2	25.36	.30	90.0	326.1	3.32	100	*	*
Emery-Hunter (UT)	3,271.0	96.0	22.10	.54	20.0	408.4	24.01	.30	-	-	-	100	*	-
Huntington (UT)	2,479.0	111.5	26.03	.41	17.0	422.5	24.84	.30	-	-	-	100	*	-
Vero Beach City of	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**894.0**	**282.4**	**2.98**	**-**	**-**	**100**
Vero Beach (FL)	-	-	-	-	-	-	-	-	894.0	282.4	2.98	-	-	100
Vineland City of	**76.8**	**195.7**	**49.40**	**.78**	**175.6**	**310.7**	**19.43**	**.91**	**-**	**-**	**-**	**64**	**36**	**-**
H M Down (NJ)	76.8	195.7	49.40	.78	175.6	310.7	19.43	.91	-	-	-	64	36	-
Virginia Electric & Power Co	**10,655.0**	**144.5**	**36.50**	**1.28**	**5,584.0**	**310.7**	**19.20**	**.80**	**2,484.0**	**243.0**	**2.52**	**88**	**11**	**1**
Bremo Bluff (VA)	641.0	159.1	40.74	.75	8.0	369.0	21.70	.40	-	-	-	100	*	-
Chesterfield (VA)	2,745.0	152.1	38.80	.93	56.0	368.1	21.64	.40	-	-	-	100	*	-
Chesapeake Energy (VA)	1,368.0	152.4	39.59	.94	83.0	355.0	20.87	.40	80.0	264.9	2.76	98	1	*
Possum Point (VA)	883.0	153.8	39.13	.93	52.0	382.2	22.47	.40	-	-	-	99	1	-
Yorktown (VA)	807.0	161.5	41.79	1.29	11.0	379.4	22.31	.40	2,404.0	242.3	2.52	89	*	11
Mount Storm (WV)	4,211.0	128.9	31.79	1.76	101.0	433.5	25.49	.40	-	-	-	99	1	-
Storage Facility #1	-	-	-	-	5,273.0	306.3	18.99	.82	-	-	-	-	100	-
West Penn Power Co	**5,411.9**	**136.5**	**34.51**	**2.29**	**22.1**	**417.4**	**24.72**	**.27**	**56.2**	**[2] 491.9**	**4.92**	**100**	*****	*****
Armstrong (PA)	1,040.7	118.3	29.67	1.79	4.7	427.6	25.33	.27	-	-	-	100	*	-
Hatfield (PA)	3,915.8	142.7	36.34	2.38	7.6	420.9	24.93	.27	-	-	-	100	*	-
Mitchell (PA)	455.3	123.0	29.91	2.64	2.7	432.3	25.60	.27	56.2	[2] 491.9	4.92	99	*	1
Springdale (PA)	-	-	-	-	7.1	401.1	23.75	.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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, by Company and Plant, 1987 (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
West Texas Utilities Co	**1,856.0**	**167.9**	**27.79**	**0.35**	**58.5**	**386.8**	**21.94**	**0.25**	**40,304.0**	**157.0**	**1.61**	**42**	*	**57**
Oklaunion (TX)	1,856.0	167.9	27.79	.35	58.5	386.8	21.94	.25	-	-	-	99	1	-
Concho (TX)	-	-	-	-	-	-	-	-	285.0	247.5	2.76	-	-	100
Oak Creek (TX)	-	-	-	-	-	-	-	-	3,391.0	162.3	1.79	-	-	100
Paint Creek (TX)	-	-	-	-	-	-	-	-	4,935.0	274.4	2.89	-	-	100
Rio Pecos (TX)	-	-	-	-	-	-	-	-	11,859.0	22.1	.21	-	-	100
San Angelo (TX)	-	-	-	-	-	-	-	-	5,840.0	270.8	2.97	-	-	100
Fort Phantom (TX)	-	-	-	-	-	-	-	-	13,994.0	165.7	1.72	-	-	100
Western Farmers Elec Coop Inc	**949.9**	**176.3**	**30.42**	**.48**	**-**	**-**	**-**	**-**	**18,434.0**	**144.5**	**1.50**	**46**	**-**	**54**
Anadarko (OK)	-	-	-	-	-	-	-	-	13,252.0	144.9	1.50	-	-	100
Mooreland (OK)	-	-	-	-	-	-	-	-	5,182.0	143.7	1.49	-	-	100
Hugo (OK)	949.9	176.3	30.42	.48	-	-	-	-	-	-	-	100	-	-
Western Massachusetts Elec Co	**-**	**-**	**-**	**-**	**597.7**	**281.8**	**17.76**	**1.61**	**3,691.7**	**244.6**	**2.51**	**-**	**50**	**50**
West Springfield (MA)	-	-	-	-	597.7	281.8	17.76	1.61	3,691.7	244.6	2.51	-	50	50
Wisconsin Electric Power Co	**6,667.9**	**127.5**	**24.92**	**.79**	**50.0**	**398.5**	**23.06**	**.23**	**-**	**-**	**-**	**100**	*	**-**
Oak Creek (WI)	1,772.0	168.6	41.63	1.58	-	-	-	-	-	-	-	100	-	-
Port Washington (WI)	125.3	164.5	43.32	1.80	-	-	-	-	-	-	-	100	-	-
Valley (WI)	404.2	185.1	46.95	1.62	-	-	-	-	-	-	-	100	-	-
Pleasant Prairie (WI)	4,366.4	93.2	15.58	.36	-	-	-	-	-	-	-	100	-	-
Storage Facility #1	-	-	-	-	50.0	398.5	23.06	.23	-	-	-	-	100	-
Wisconsin Power & Light Co	**5,784.3**	**158.4**	**29.49**	**.85**	**-**	**-**	**-**	**-**	**222.0**	**380.6**	**3.77**	**100**	**-**	*
Blackhawk (WI)	-	-	-	-	-	-	-	-	30.8	388.3	3.86	-	-	100
Edgewater (WI)	2,253.6	165.8	32.03	1.17	-	-	-	-	-	-	-	100	-	-
Nelson Dewey (WI)	440.4	139.3	32.05	1.29	-	-	-	-	-	-	-	100	-	-
Rock River (WI)	171.5	173.1	40.75	1.26	-	-	-	-	191.2	379.3	3.76	96	-	4
Columbia (WI)	2,918.7	154.7	26.48	.52	-	-	-	-	-	-	-	100	-	-
Wisconsin Public Service Corp	**1,957.0**	**192.6**	**37.40**	**1.00**	**25.7**	**389.1**	**22.55**	**.22**	**123.1**	**338.2**	**3.39**	**99**	*	*
Pulliam (WI)	487.0	180.1	39.86	2.52	14.7	383.9	22.25	.22	48.1	346.6	3.48	99	1	*
Weston (WI)	1,470.0	197.5	36.59	.50	11.0	396.1	22.96	.22	75.0	332.7	3.33	99	*	*
Wyandotte Municipal Serv Comm	**90.1**	**182.0**	**48.31**	**.73**	**-**	**-**	**-**	**-**	**257.4**	**372.6**	**3.73**	**90**	**-**	**10**
Wyandotte (MI)	90.1	182.0	48.31	.73	-	-	-	-	257.4	372.6	3.73	90	-	10
Total	**[1] 721,597.1**	**150.6**	**31.83**	**1.39**	**194,639.5**	**301.1**	**19.06**	**.97**	**2,666,866.3**	**[2] 223.5**	**2.31**	**79**	**6**	**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 three 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."

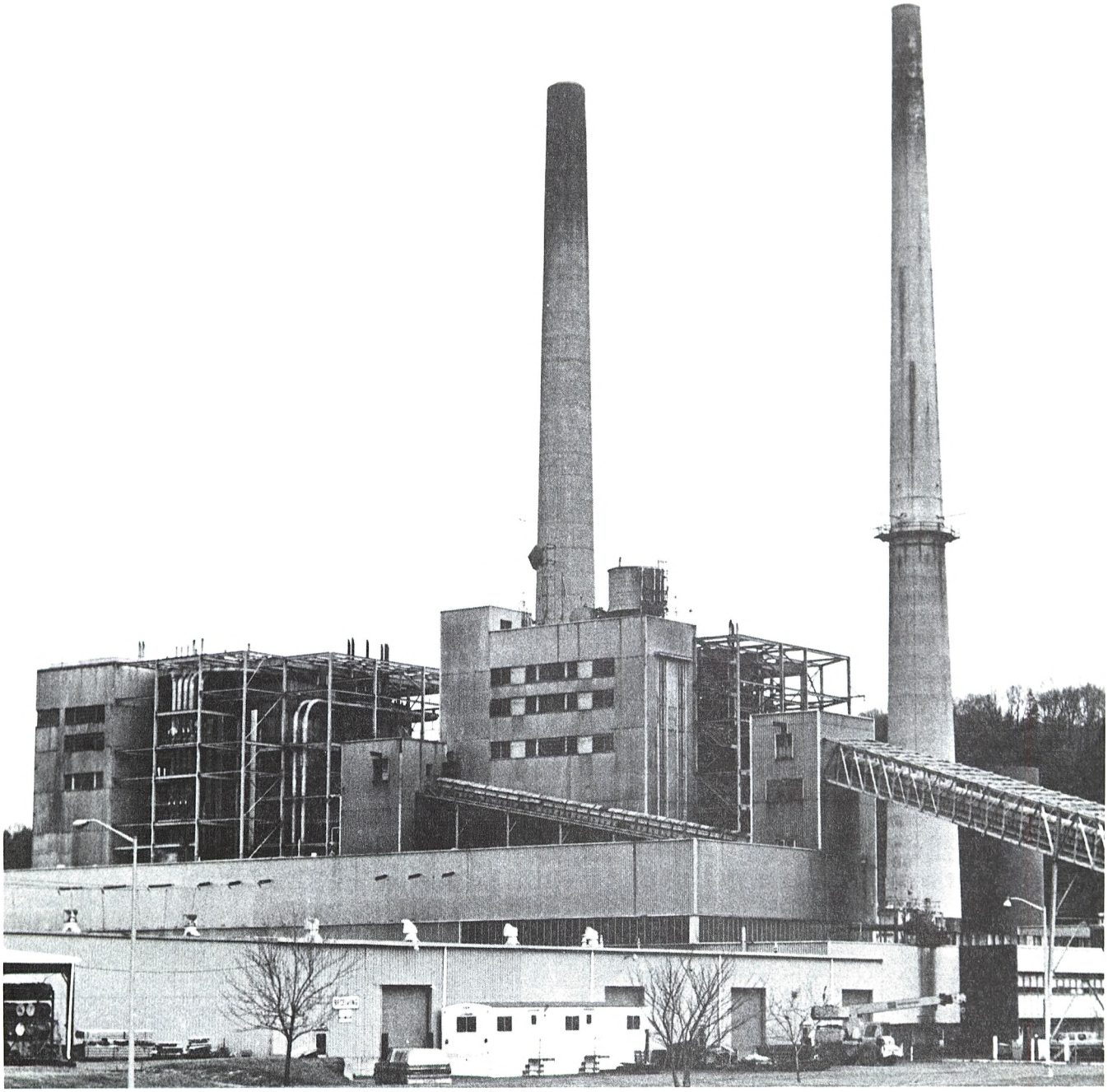
Company Fossil Fuel Data 1983-1987

Background

Included in this chapter are electric utilities that are currently 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 1987 data for these four companies are shown under Texas Utilities Electric Company, a subsidiary of Texas Utilities Company.

Starting in 1987, Eastern Iowa Light & Power Cooperative data is shown under Central Iowa Power Cooperative. Narragansett Electric Company data is shown under New England Power 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.



The Metropolitan Edison Company's Portland Station received 684,000 short tons of coal in 1987.

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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																		
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
1987	1,151	-	11,990	12.0	1.4	-	37.65	37.65	-	-	-	-	-	-	-	5	130,000	22.72
Alabama Power Co																		
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
1987	13,796	95.6	12,375	11.7	1.2	52.58	31.37	51.63	-	-	-	-	-	-	-	155	138,615	23.38
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
1987	909	100.0	9,617	13.9	.8	34.52	-	34.52	-	-	-	-	-	-	-	7	138,816	24.78
Alexandria City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ames City of																		
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
1987	140	96.8	8,511	5.1	.3	24.20	20.45	24.08	-	-	-	-	-	-	-	7	141,600	23.71
Appalachian Power Co																		
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
1987	12,015	84.7	12,515	10.7	.7	42.85	27.87	40.55	-	-	-	-	-	-	-	187	138,523	25.36
Arizona Electric Pwr Coop Inc																		
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	-	-	-	-	-	-	-	-	-	-
1987	223	100.0	11,205	14.3	.5	49.35	-	49.35	-	-	-	-	-	-	-	-	-	-
Arizona Public Service Co																		
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
1987	11,176	100.0	9,081	20.1	.7	19.95	-	19.95	-	-	-	-	-	-	-	62	138,266	23.14
Arkansas Electric Coop Corp																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas Power & Light Co																		
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
1987	10,045	98.1	8,727	5.6	.3	27.49	22.67	27.40	-	-	-	-	-	-	-	134	136,739	22.14
Associated Electric Coop Inc																		
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	-	-	-	-	-	-	-	-	-	-
1987	5,111	100.0	10,664	10.4	4.0	29.96	-	29.96	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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																
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	-
1987	-	-	-	-	-	-	27,601	27	-	100	0	-	43,449	43,335	114	-
Alabama Power Co																
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
1987	858	1,054	2.22	2.18	2.22	23.5	341,442	900	904	99	0	0	717,869	712,353	3,615	1,901
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	-
1987	-	-	-	-	-	-	17,478	42	-	100	0	-	31,545	31,365	179	-
Alexandria City of																
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
1987	1,164	1,027	1.95	-	1.95	-	-	-	1,196	-	-	100	2,266	-	-	2,266
Ames City of																
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	-
1987	-	-	-	-	-	-	2,388	40	-	98	2	-	3,536	3,378	158	-
Appalachian Power Co																
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	-
1987	-	-	-	-	-	-	300,727	1,087	-	100	0	-	491,957	487,219	4,738	-
Arizona Electric Pwr Coop Inc																
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
1987	4,653	1,032	1.89	-	1.89	-	4,993	-	4,800	51	-	49	19,796	10,995	-	8,801
Arizona Public Service Co																
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
1987	2,705	1,028	-	2.35	2.35	100.0	202,978	362	2,780	98	0	1	230,777	222,970	1,444	6,362
Arkansas Electric Coop Corp																
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																
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
1987	32,066	1,031	1.64	1.06	1.57	12.1	175,332	772	33,065	84	0	16	328,513	275,212	2,975	50,325
Associated Electric Coop Inc																
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	-	-
1987	-	-	-	-	-	-	108,999	-	-	100	-	-	153,096	153,096	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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																		
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	-	-	-
1987	616	89.0	13,045	9.8	2.7	43.86	44.19	43.90	1,140	100.0	151,359	.9	18.78	-	18.78	-	-	-
Austin City of																		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore Gas & Electric Co																		
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
1987	2,629	69.0	12,897	9.2	1.1	41.84	41.41	41.71	2,095	77.3	149,624	1.0	18.69	19.88	18.96	1	138,976	23.61
Bangor Hydro-Electric Co																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	88	100.0	150,352	2.1	18.72	-	18.72	-	-	-
Basin Electric Power Coop																		
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
1987	12,911	100.0	7,460	7.0	.5	10.97	-	10.97	-	-	-	-	-	-	-	54	137,883	24.07
Big Rivers Electric Corp																		
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
1987	5,056	99.4	11,169	12.1	3.1	27.26	18.04	27.20	-	-	-	-	-	-	-	30	138,000	23.17
Boston Edison Co																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	10,647	55.1	150,895	1.0	17.78	17.36	17.59	-	-	-
Brazos Electric Power Coop Inc																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bryan City of																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	1	-	144,870	.1	-	15.95	15.95	-	-	-
Burbank City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	27	-	148,157	.3	-	17.75	17.75	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cajun Electric Power Coop Inc																		
1983	1,807	97.0	8,175	5.9	.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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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																
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	-
1987	-	-	-	-	-	-	16,071	7,247	-	69	31	-	48,457	27,043	21,414	-
Austin City of																
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
1987	16,994	1,018	-	2.16	2.16	100.0	-	-	17,300	-	-	100	36,747	-	-	36,747
Baltimore Gas & Electric Co																
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	-
1987	1,854	1,042	2.77	-	2.77	-	67,811	13,171	1,932	82	16	2	154,534	109,647	39,753	5,134
Bangor Hydro-Electric Co																
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	-
1987	-	-	-	-	-	-	-	554	-	-	100	-	1,643	-	1,643	-
Basin Electric Power Coop																
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	-
1987	-	-	-	-	-	-	192,636	313	-	100	0	-	142,914	141,614	1,300	-
Big Rivers Electric Corp																
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
1987	45	1,000	-	3.38	3.38	100.0	112,939	172	45	100	0	0	138,370	137,528	688	154
Boston Edison Co																
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
1987	23,358	1,031	2.37	5.72	2.38	.5	-	67,479	24,078	-	74	26	243,031	-	187,325	55,706
Brazos Electric Power Coop Inc																
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
1987	14,840	1,019	1.61	3.00	2.33	51.9	-	-	15,117	-	-	100	34,600	-	-	34,600
Bryan City of																
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
1987	4,382	1,041	1.65	-	1.65	-	-	7	4,560	-	0	100	7,242	-	18	7,224
Burbank City of																
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
1987	3,323	1,057	2.57	-	2.57	-	-	-	3,512	-	-	100	8,548	-	-	8,548
Cajun Electric Power Coop Inc																
1983	5,761	1,046	-	.71	.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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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																		
1985	4,235	100.0	8,386	6.4	0.5	37.97	-	37.97	-	-	-	-	-	-	-	44	140,000	33.51
1986	4,124	100.0	8,407	6.0	.5	32.27	-	32.27	-	-	-	-	-	-	-	41	140,000	18.31
1987	3,796	100.0	8,621	5.7	.5	28.70	-	28.70	-	-	-	-	-	-	-	46	140,000	22.06
Cambridge Electric Light Co																		
1983	-	-	-	-	-	-	-	-	144	100.0	149,334	0.5	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	-	-	-
1987	-	-	-	-	-	-	-	-	123	100.0	150,251	.5	20.53	-	20.53	-	-	-
Canal Electric Co																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	8,724	100.0	151,387	2.1	17.48	-	17.48	-	-	-
Cardinal Operating Co																		
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
1987	3,854	93.4	11,782	13.6	2.2	38.35	28.16	37.68	-	-	-	-	-	-	-	49	139,706	23.36
Carolina Power & Light Co																		
1983	[1] 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
1987	9,709	89.6	12,585	9.5	.9	45.83	36.02	44.80	-	-	-	-	-	-	-	148	138,000	22.85
Cedar Falls City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	16	-	10,912	8.8	1.7	-	31.28	31.28	-	-	-	-	-	-	-	-	-	-
1987	27	-	11,149	9.8	2.5	-	27.76	27.76	-	-	-	-	-	-	-	-	-	-
Centel Corp																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central Electric Pwr Coop-MO																		
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	-	-	-	-	-	-	-	-	-	-
1987	91	-	11,159	9.7	2.9	-	25.65	25.65	-	-	-	-	-	-	-	-	-	-
Central Hudson Gas & Elec Corp																		
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
1987	467	100.0	13,266	7.7	.6	49.85	-	49.85	8,387	91.8	151,065	1.3	18.95	18.66	18.93	51	139,500	23.84
Central Illinois Light Co																		
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
1987	2,209	80.4	12,018	7.1	1.9	46.10	37.02	44.32	-	-	-	-	-	-	-	15	138,374	24.61
Central Illinois Pub Serv Co																		
1983	4,760	91.8	10,988	10.0	3.0	37.40	27.68	36.60	-	-	-	-	-	-	-	35	137,072	37.26
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	.4	11.51	-	11.51	42	137,435	21.44
1987	4,793	94.2	11,145	9.4	2.8	37.91	33.18	37.64	-	-	-	-	-	-	-	55	136,772	24.46

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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																
1985	1,962	1,068	-	0.35	0.35	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
1987	1,843	1,047	1.66	-	1.66	-	65,459	272	1,929	97	0	3	113,035	108,953	1,022	3,061
Cambridge Electric Light Co																
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
1987	2,774	1,000	2.85	-	2.85	-	-	776	2,774	-	22	78	10,428	-	2,526	7,903
Canal Electric Co																
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	-
1987	-	-	-	-	-	-	-	55,469	-	-	100	-	152,482	-	152,482	-
Cardinal Operating Co																
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	-
1987	-	-	-	-	-	-	90,811	285	-	100	0	-	146,343	145,208	1,135	-
Carolina Power & Light Co																
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	-
1987	-	-	-	-	-	-	244,397	856	-	100	0	-	438,393	435,018	3,375	-
Cedar Falls City of																
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
1987	7	1,000	2.53	3.46	3.32	85.2	592	-	7	99	-	1	761	737	-	24
Centel Corp																
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
1987	2,256	978	1.91	2.59	2.08	25.4	-	-	2,207	-	-	100	4,703	-	-	4,703
Central Electric Pwr Coop-MO																
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	-	-
1987	-	-	-	-	-	-	2,031	-	-	100	-	-	2,334	2,334	-	-
Central Hudson Gas & Elec Corp																
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
1987	6,023	1,034	2.71	5.32	2.74	1.4	12,388	53,512	6,228	17	74	9	199,747	23,275	159,952	16,520
Central Illinois Light Co																
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	-
1987	-	-	-	-	-	-	53,097	85	-	100	0	-	98,255	97,894	361	-
Central Illinois Pub Serv Co																
1983	-	-	-	-	-	-	104,602	202	-	100	0	-	175,536	174,228	1,308	-
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	-
1987	-	-	-	-	-	-	106,831	314	-	100	0	-	181,737	180,402	1,335	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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 Iowa Power Coop																		
1987	167	45.0	11,588	10.6	2.8	29.72	23.09	26.08	-	-	-	-	-	-	-	-	-	-
Central Kansas Power Company																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central Louisiana Elec Co Inc																		
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	-	-	-	-	-	-	-	-	-	-
1987	4,650	100.0	7,590	9.6	.5	22.48	-	22.48	-	-	-	-	-	-	-	-	-	-
Central Maine Power Co																		
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
1987	-	-	-	-	-	-	-	-	3,958	100.0	150,715	.9	18.56	-	18.56	16	139,047	24.47
Central Nebraska Pub P&I Dist																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	17	-	150,000	1.2	-	14.60	14.60	-	-	-
1987	-	-	-	-	-	-	-	-	22	-	150,000	1.3	-	14.41	14.41	-	-	-
Central Operating Co																		
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
1987	1,699	35.5	12,477	10.7	1.1	45.17	27.49	33.76	-	-	-	-	-	-	-	30	138,062	25.75
Central Power & Light Co																		
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	-	-	-	-	-	-	-	-	-	-
1987	1,958	76.9	10,802	5.6	.4	47.10	35.69	44.47	-	-	-	-	-	-	-	-	-	-
Cincinnati Gas & Electric Co																		
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
1987	6,370	76.5	11,579	12.3	1.7	38.85	25.59	35.73	-	-	-	-	-	-	-	86	137,806	23.46
Cleveland Electric Illum Co																		
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
1987	5,879	58.4	12,484	9.5	2.7	40.85	33.81	37.92	51	-	152,712	1.2	-	19.25	19.25	56	137,971	24.38
Coffeyville City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado Springs City of																		
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
1987	1,313	86.5	10,668	6.8	.4	36.46	22.37	34.55	-	-	-	-	-	-	-	-	-	-
Colorado Ute Electric Assn Inc																		
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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 Iowa Power Coop																
1987	8	1,027	2.98	3.28	3.13	49.2	3,876	-	8	100	-	0	4,387	4,361	-	25
Central Kansas Power Company																
1983	10	937	2.62	-	2.62	-	-	-	9	-	-	100	25	-	-	25
Central Louisiana Elec Co Inc																
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
1987	29,116	1,045	2.10	-	2.10	-	70,583	-	30,420	70	-	30	165,565	104,546	-	61,020
Central Maine Power Co																
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	-
1987	-	-	-	-	-	-	-	25,144	-	-	100	-	73,827	-	73,827	-
Central Nebraska Pub P&I Dist																
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
1987	73	939	3.15	-	3.15	-	-	138	68	-	67	33	545	-	315	229
Central Operating Co																
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	-
1987	-	-	-	-	-	-	42,409	171	-	100	0	-	58,134	57,374	760	-
Central Power & Light Co																
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
1987	98,041	1,038	1.54	2.75	2.17	51.8	42,309	-	101,813	29	-	71	299,777	87,082	-	212,695
Cincinnati Gas & Electric Co																
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	-
1987	-	-	-	-	-	-	147,525	495	-	100	0	-	229,616	227,607	2,009	-
Cleveland Electric Illum Co																
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	-
1987	-	-	-	-	-	-	146,782	652	-	100	0	-	225,287	222,940	2,347	-
Coffeyville City of																
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
1987	425	1,000	2.51	-	2.51	-	-	-	425	-	-	100	1,064	-	-	1,064
Colorado Springs City of																
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
1987	117	982	3.77	4.07	3.98	70.8	28,007	-	115	100	-	0	45,812	45,347	-	466
Colorado Ute Electric Assn Inc																
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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																		
1986	4,711	99.7	10,309	7.9	0.4	18.96	10.78	18.94	-	-	-	-	-	-	-	7	137,196	20.92
1987	5,140	97.7	10,367	8.1	.4	18.84	15.25	18.75	-	-	-	-	-	-	-	3	136,093	23.02
Columbia City of																		
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	-	-	-	-	-	-	-	-	-	-
1987	63	100.0	10,656	11.3	4.1	34.45	-	34.45	-	-	-	-	-	-	-	-	-	-
Columbus & Southern Ohio El Co																		
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
1987	3,411	99.7	11,976	8.2	3.0	37.60	22.61	37.56	-	-	-	-	-	-	-	33	139,523	23.83
Columbus City of																		
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	-	-	-	-	-	-	-	-	-	-
1987	56	-	12,274	8.6	.8	-	40.03	40.03	-	-	-	-	-	-	-	-	-	-
Commonwealth Edison Co IN Inc																		
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	-	-	-	-	-	-	-	-	-	-
1987	985	100.0	9,506	4.4	.4	56.03	-	56.03	-	-	-	-	-	-	-	-	-	-
Commonwealth Edison Co																		
1983	13,917	100.0	9,628	7.1	1.2	50.56	-	50.56	4,284	100.0	151,159	0.7	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
1987	10,379	100.0	9,674	7.1	1.0	55.83	-	55.83	3,468	100.0	150,947	.7	22.62	-	22.62	240	140,142	24.83
Commonwealth Electric Co																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	99	100.0	150,856	.9	18.60	-	18.60	-	-	-
Community Public Service Co																		
1983	-	-	-	-	-	-	-	-	[2] 1	-	148,890	1.0	-	24.37	24.37	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut Light & Power Co																		
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
1987	-	-	-	-	-	-	-	-	9,102	98.6	149,744	.8	18.68	18.18	18.67	24	137,951	23.21
Consolidated Edison Co-NY Inc																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	17,842	89.3	147,476	.3	19.70	17.94	19.54	-	-	-
Consumers Power Co																		
1983	6,062	82.6	12,194	9.6	1.3	49.99	35.77	47.51	-	-	-	-	-	-	-	32	139,000	35.63
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
1987	6,848	75.1	12,396	9.6	.9	47.29	37.75	44.91	244	-	147,540	1.0	-	18.67	18.67	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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																
1986	352	1,036	3.41	-	3.41	-	97,120	40	365	100	0	0	90,565	89,217	146	1,201
1987	304	1,051	2.79	-	2.79	-	106,564	15	320	100	0	0	97,303	96,395	60	848
Columbia City of																
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
1987	-	-	-	-	-	-	1,342	-	-	100	-	-	2,170	2,170	-	-
Columbus & Southern Ohio El Co																
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	-
1987	-	-	-	-	-	-	81,693	194	-	100	0	-	128,880	128,091	789	-
Columbus City of																
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	-	-
1987	-	-	-	-	-	-	1,367	-	-	100	-	-	2,229	2,229	-	-
Commonwealth Edison Co IN Inc																
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
1987	211	1,024	-	3.68	3.68	100.0	18,726	-	216	99	-	1	55,965	55,189	-	776
Commonwealth Edison Co																
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
1987	1,245	1,021	3.41	4.41	4.39	97.5	200,812	23,401	1,271	89	10	1	669,340	579,449	84,431	5,460
Commonwealth Electric Co																
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
1987	1,693	1,000	2.72	-	2.72	-	-	627	1,693	-	27	73	6,445	-	1,841	4,604
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
1987	110	1,021	3.07	-	3.07	-	-	-	112	-	-	100	337	-	-	337
Connecticut Light & Power Co																
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
1987	4,190	1,032	2.19	-	2.19	-	-	57,385	4,322	-	93	7	179,683	-	170,516	9,167
Consolidated Edison Co-NY Inc																
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
1987	68,458	1,029	-	2.69	2.69	100.0	-	110,514	70,454	-	61	39	532,341	-	348,439	183,902
Consumers Power Co																
1983	-	-	-	-	-	-	147,846	187	-	100	0	-	289,166	288,026	1,140	-
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	-
1987	-	-	-	-	-	-	169,778	1,511	-	99	1	-	312,108	307,556	4,552	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Coop Power Assn																		
1983	5,153	100.0	6,296	8.9	0.5	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	-	-	-
1987	4,592	100.0	6,254	10.4	.7	11.72	-	11.72	7	-	147,000	2.5	-	14.07	14.07	-	-	-
Dairyland Power Coop																		
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
1987	[1] 2,036	97.6	9,777	5.5	.9	26.41	22.24	26.30	-	-	-	-	-	-	-	9	140,000	24.05
Dallas Power & Light Co																		
1983	-	-	-	-	-	-	-	-	[2] 151	87.2	148,142	.6	33.11	31.37	32.88	0	137,524	35.28
Dayton Power & Light Co																		
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
1987	8,729	56.0	11,741	13.3	1.3	44.74	26.77	36.82	-	-	-	-	-	-	-	46	136,481	21.99
Deepwater Operating Co																		
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	-	-	-
1987	187	92.5	13,121	7.8	.8	43.25	41.24	43.10	141	100.0	149,362	.9	19.72	-	19.72	-	-	-
Delmarva Power & Light Co																		
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
1987	2,422	85.4	13,065	8.7	1.0	48.26	41.90	47.33	3,051	49.5	150,698	1.2	18.66	16.55	17.59	106	137,599	22.94
Denton City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	139,680	34.50
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	139,680	34.44
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deseret Generation & Tran Coop																		
1986	655	100.0	10,645	8.8	.4	41.81	-	41.81	-	-	-	-	-	-	-	40	140,572	22.60
1987	1,050	100.0	10,698	8.8	.4	44.08	-	44.08	-	-	-	-	-	-	-	9	141,000	23.52
Detroit City of																		
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
1987	-	-	-	-	-	-	-	-	320	-	146,933	.7	-	17.83	17.83	-	-	-
Detroit Edison Co																		
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
1987	19,603	75.2	11,291	5.9	.7	41.57	29.30	38.53	403	-	145,982	.7	-	21.02	21.02	383	137,630	23.01
Dover City of																		
1983	-	-	-	-	-	-	-	-	864	100.0	150,884	2.8	26.88	-	26.88	-	-	-
1984	-	-	-	-	-	-	-	-	736	100.0	151,251	2.5	29.11	-	29.11	-	-	-
1985	-	-	-	-	-	-	-	-	436	100.0	150,473	2.4	26.21	-	26.21	-	-	-
1986	-	-	-	-	-	-	-	-	676	100.0	151,122	2.4	15.05	-	15.05	5	140,769	20.18
1987	-	-	-	-	-	-	-	-	397	97.9	151,533	2.2	17.34	17.50	17.35	0	140,853	19.34
Duke Power Co																		
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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			
			Interrupt	Firm	Total		Coal	Petroleum	Gas	Coal	Petroleum	Gas	Total	Coal	Petroleum	Gas
Coop Power Assn																
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	-
1987	-	-	-	-	-	-	57,435	44	-	100	0	-	53,924	53,822	101	-
Dairyland Power Coop																
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	-
1987	-	-	-	-	-	-	39,816	52	-	100	0	-	53,771	53,559	212	-
Dallas Power & Light Co																
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																
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
1987	200	1,020	4.07	-	4.07	-	204,966	263	204	100	0	0	323,226	321,405	1,007	813
Deepwater Operating Co																
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
1987	2,277	1,028	2.87	-	2.87	-	4,907	885	2,342	60	11	29	17,366	8,059	2,780	6,527
Delmarva Power & Light Co																
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
1987	[3] 6,405	1,037	2.88	-	2.88	-	63,299	19,921	6,644	70	22	7	189,201	114,662	56,105	18,434
Denton City of																
1983	971	1,066	4.34	-	4.34	-	-	26	1,036	-	2	98	4,375	-	156	4,219
1984	563	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
1987	642	1,142	2.68	-	2.68	-	-	-	734	-	-	100	1,724	-	-	1,724
Deseret Generation & Tran Coop																
1986	-	-	-	-	-	-	13,941	233	-	98	2	-	28,271	27,378	893	-
1987	-	-	-	-	-	-	22,466	53	-	100	0	-	46,499	46,287	212	-
Detroit City of																
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
1987	2,505	1,016	2.86	2.99	2.91	38.5	-	1,975	2,545	-	44	56	12,989	-	5,706	7,282
Detroit Edison Co																
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
1987	[3] 7,637	184	.42	3.03	.44	.9	442,686	4,688	1,403	99	1	0	776,029	755,351	17,296	3,382
Dover City of																
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
1985	850	1,018	-	4.03	4.03	100.0	-	2,758	865	-	76	24	14,859	-	11,436	3,422
1986	283	1,036	3.61	3.07	3.14	86.8	-	4,321	294	-	94	6	11,164	-	10,274	890
1987	1,452	1,032	2.81	2.69	2.70	92.1	-	2,526	1,498	-	63	37	10,803	-	6,886	3,917
Duke Power Co																
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Duke Power Co																		
1985	10,819	83.9	12,458	10.3	0.9	50.59	36.71	48.36	-	-	-	-	-	-	-	95	138,703	33.05
1986	9,768	84.2	12,539	10.1	1.0	48.28	34.65	46.13	-	-	-	-	-	-	-	100	138,634	20.56
1987	8,567	82.8	12,510	10.0	.9	46.59	35.92	44.75	-	-	-	-	-	-	-	132	138,254	22.50
Duquesne Light Co																		
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
1987	2,374	91.4	12,211	13.1	1.6	38.94	28.90	38.08	-	-	-	-	-	-	-	47	136,355	25.84
East Kentucky Power Coop																		
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
1987	3,198	32.7	11,904	11.4	1.3	26.76	26.05	26.28	-	-	-	-	-	-	-	9	138,600	24.72
Eastern Iowa Light&Power Coop																		
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																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Energy Inc																		
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
1987	2,022	73.9	11,759	8.0	1.9	41.22	28.86	38.00	-	-	-	-	-	-	-	8	138,990	25.59
Empire District Electric Co																		
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
1987	849	53.3	11,187	18.6	4.5	24.04	32.70	28.08	-	-	-	-	-	-	-	3	143,034	23.18
Florida Power & Light Co																		
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
1987	-	-	-	-	-	-	-	-	20,945	61.5	159,417	.9	20.69	18.32	19.78	-	-	-
Florida Power Corp																		
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
1987	5,830	71.7	12,631	8.8	.8	48.42	41.46	46.45	8,610	100.0	151,053	1.4	17.62	-	17.62	219	139,810	23.47
Fort Pierre City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	138,300	35.57
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	138,441	22.64
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	138,441	24.59
Fremont City of																		
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	-	-	-	-	-	-	-	-	-	-
1987	119	65.5	10,773	7.5	.5	42.50	14.41	32.82	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Duke Power Co																
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
1987	63	1,028	3.08	-	3.08	-	214,355	766	65	100	0	0	386,565	383,402	2,970	194
Duquesne Light Co																
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
1987	195	1,040	3.03	-	3.03	-	57,980	269	203	99	0	0	92,208	90,403	1,215	591
East Kentucky Power Coop																
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	-
1987	-	-	-	-	-	-	76,147	53	-	100	0	-	84,280	84,056	224	-
Eastern Iowa Light&Power Coop																
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																
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
1987	17,256	1,030	-	1.98	1.98	100.0	-	-	17,773	-	-	100	34,087	-	-	34,087
Electric Energy Inc																
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	-
1987	-	-	-	-	-	-	47,555	46	-	100	0	-	77,035	76,833	202	-
Empire District Electric Co																
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
1987	174	1,012	3.00	-	3.00	-	18,995	18	176	99	0	1	24,433	23,842	71	521
Florida Power & Light Co																
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
1987	111,593	1,000	-	2.70	2.70	100.0	-	140,238	111,593	-	56	44	716,017	-	414,288	301,729
Florida Power Corp																
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
1987	2,670	1,024	3.10	3.32	3.10	.0	147,279	55,913	2,735	72	27	1	435,949	270,821	156,856	8,272
Fort Pierre City of																
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
1987	801	1,023	2.79	-	2.79	-	-	3	819	-	0	100	2,248	-	12	2,236
Fremont City of																
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
1987	160	998	-	1.85	1.85	100.0	2,562	-	160	94	-	6	4,198	3,902	-	297

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Gainesville City of																		
1983	647	18.5	12,861	7.3	0.7	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
1987	446	-	13,390	6.8	.8	-	45.05	45.05	7	-	150,458	1.4	-	20.05	20.05	-	-	-
Garland City of																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia Power Co																		
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
1987	25,574	82.6	12,149	10.0	1.8	45.22	35.81	43.58	76	-	147,000	2.8	-	18.91	18.91	181	138,000	22.61
Glendale City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	58	-	148,511	.2	-	16.17	16.17	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	2.8	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	-	-	-	-	-	-	-	-	-	-
1987	183	54.7	10,965	10.5	2.6	38.89	29.00	34.41	-	-	-	-	-	-	-	-	-	-
Grand Island City of																		
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
1987	225	100.0	8,088	6.1	.4	28.87	-	28.87	-	-	-	-	-	-	-	1	140,000	23.31
Grand River Dam Authority																		
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
1987	2,151	100.0	8,464	5.5	.5	24.17	-	24.17	-	-	-	-	-	-	-	34	137,265	22.47
Greenville City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gulf Power Co																		
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
1987	3,240	46.4	12,247	9.7	2.8	53.29	30.62	41.14	-	-	-	-	-	-	-	15	137,000	22.47
Gulf States Utilities Co																		
1983	1,203	100.0	8,877	5.1	.4	38.44	-	38.44	-	-	-	-	-	-	-	-	-	-
1984	1,952	100.0	8,668	5.9	.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	.5	-	9.49	9.49	1	141,446	21.92
1987	2,181	100.0	8,573	6.6	.5	32.88	-	32.88	99	-	150,575	.6	-	17.49	17.49	17	140,299	20.54
Hamilton City of																		
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	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Gainesville City of																
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
1987	2,621	1,025	2.87	-	2.87	-	11,939	42	2,687	81	0	18	27,725	20,083	132	7,510
Garland City of																
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
1987	6,283	1,039	1.69	-	1.69	-	-	-	6,528	-	-	100	10,612	-	-	10,612
Georgia Power Co																
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
1987	308	1,024	-	3.54	3.54	100.0	621,408	1,517	316	100	0	0	1,121,259	1,114,643	5,524	1,093
Glendale City of																
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
1987	2,491	1,043	2.55	-	2.55	-	-	-	2,598	-	-	100	6,352	-	-	6,352
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	-	-
1987	-	-	-	-	-	-	4,007	-	-	100	-	-	6,286	6,286	-	-
Grand Island City of																
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
1987	38	940	3.18	-	3.18	-	3,635	4	36	99	0	1	6,622	6,487	15	121
Grand River Dam Authority																
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
1987	22	1,020	7.27	-	7.27	-	36,404	196	22	99	1	0	52,893	51,968	765	160
Greenville City of																
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
1987	1,625	1,072	1.78	-	1.78	-	-	-	1,741	-	-	100	2,888	-	-	2,888
Gulf Power Co																
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
1987	834	1,000	1.76	.74	1.61	14.8	79,356	89	834	99	0	1	134,975	133,286	348	1,341
Gulf States Utilities Co																
1983	233,617	1,039	-	1.58	1.58	100.0	21,359	-	242,794	8	-	92	415,724	46,245	-	369,479
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
1987	157,651	1,042	1.73	1.79	1.78	84.7	37,397	726	164,321	18	0	81	355,091	71,714	2,078	281,298
Hamilton City of																
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Hamilton City of																		
1985	108	100.0	12,537	9.2	0.7	41.13	-	41.13	-	-	-	-	-	-	-	1	137,000	26.88
1986	113	100.0	12,441	9.0	.7	37.19	-	37.19	-	-	-	-	-	-	-	1	137,000	20.12
1987	99	100.0	12,441	9.0	.6	35.19	-	35.19	-	-	-	-	-	-	-	1	137,000	23.22
Hartford Electric Light Co																		
1983	-	-	-	-	-	-	-	-	3,323	100.0	148,685	0.5	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																		
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	-	-	-	-	-	-	-	-	-	-
1987	163	100.0	8,070	6.3	.4	28.75	-	28.75	-	-	-	-	-	-	-	-	-	-
Hawaiian Electric Co Inc																		
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
1987	-	-	-	-	-	-	-	-	10,323	99.0	149,301	.4	21.58	20.67	21.57	51	139,407	27.14
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																		
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	-	-	-	-	-	-	-	-	-	-
1987	148	-	13,067	7.4	.8	-	41.66	41.66	-	-	-	-	-	-	-	-	-	-
Holyoke Water Power Co																		
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
1987	392	-	13,250	7.5	1.4	-	45.86	45.86	-	-	-	-	-	-	-	3	138,106	23.06
Hoosier Energy R E C Inc																		
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
1987	2,611	74.1	10,942	10.4	3.4	36.47	19.03	31.95	-	-	-	-	-	-	-	15	135,682	22.99
Houston Lighting & Power Co																		
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	-	-	-
1987	15,901	100.0	7,521	11.4	.7	32.06	-	32.06	-	-	-	-	-	-	-	-	-	-
Illinois Power Co																		
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
1987	7,611	83.8	11,159	9.8	2.4	32.10	32.07	32.09	97	100.0	150,381	.7	19.64	-	19.64	50	138,000	23.78
Imperial Irrigation District																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Hamilton City of																
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
1987	283	1,000	-	2.10	2.10	100.0	2,457	4	283	90	0	10	4,086	3,475	16	595
Hartford Electric Light Co																
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																
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	-	-
1987	-	-	-	-	-	-	2,636	-	-	100	-	-	4,695	4,695	-	-
Hawaiian Electric Co Inc																
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	-
1987	-	-	-	-	-	-	-	65,031	-	-	100	-	224,100	-	224,100	-
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																
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	-	-
1987	-	-	-	-	-	-	3,875	-	-	100	-	-	6,177	6,177	-	-
Holyoke Water Power Co																
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	-
1987	-	-	-	-	-	-	10,391	20	-	100	0	-	18,061	17,983	78	-
Hoosier Energy R E C Inc																
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	-
1987	-	-	-	-	-	-	57,143	87	-	100	0	-	83,781	83,430	351	-
Houston Lighting & Power Co																
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
1987	266,587	1,035	1.59	1.74	1.71	79.7	239,190	-	275,955	46	-	54	966,540	509,734	-	456,806
Illinois Power Co																
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
1987	517	1,030	2.58	2.55	2.58	12.8	169,876	904	533	99	1	0	248,708	244,272	3,101	1,334
Imperial Irrigation District																
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
1987	4,677	1,028	2.72	-	2.72	-	-	-	4,810	-	-	100	12,702	-	-	12,702

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Independence City of																		
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
1987	163	55.9	11,964	12.1	3.4	39.33	39.15	39.25	-	-	-	-	-	-	-	-	-	-
Indiana & Michigan Electric Co																		
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
1987	5,437	94.9	9,511	7.0	1.3	29.76	21.75	29.35	-	-	-	-	-	-	-	80	137,446	23.69
Indiana-Kentucky Electric Corp																		
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
1987	4,812	59.1	11,539	10.3	3.3	25.75	22.81	24.55	-	-	-	-	-	-	-	3	137,621	25.91
Indianapolis Power & Light Co																		
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
1987	5,908	90.0	11,257	7.8	2.0	27.74	21.84	27.15	-	-	-	-	-	-	-	-	-	-
Interstate Power Co																		
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
1987	1,566	87.7	9,668	7.2	1.6	35.81	25.66	34.56	-	-	-	-	-	-	-	6	140,000	24.37
Iowa Electric Light & Power Co																		
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
1987	840	97.4	11,357	7.8	2.2	30.04	26.94	29.95	-	-	-	-	-	-	-	15	138,533	24.01
Iowa Power & Light Co																		
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	-	-	-	-	-	-	-	-	-	-
1987	2,671	79.2	8,334	5.1	.4	18.09	11.48	16.71	-	-	-	-	-	-	-	-	-	-
Iowa Public Service Co																		
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
1987	3,007	100.0	9,346	6.4	.5	22.34	-	22.34	-	-	-	-	-	-	-	30	138,000	22.84
Iowa Southern Utilities Co																		
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
1987	2,651	94.9	8,741	6.3	.7	18.97	21.01	19.07	-	-	-	-	-	-	-	7	137,881	24.28
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	-	-	-	-	-	-	-	-	-	-
1987	2,310	98.5	8,600	5.8	.5	19.38	13.37	19.29	-	-	-	-	-	-	-	-	-	-
Jacksonville Electric Auth																		
1983	-	-	-	-	-	-	-	-	2,208	100.0	155,025	1.1	27.29	-	27.29	-	-	-
1984	-	-	-	-	-	-	-	-	2,074	100.0	152,453	1.2	28.81	-	28.81	-	-	-

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 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Independence City of																
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
1987	160	973	3.08	-	3.08	-	3,898	-	155	96	-	4	6,887	6,395	-	492
Indiana & Michigan Electric Co																
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	-
1987	-	-	-	-	-	-	103,423	462	-	100	0	-	161,474	159,577	1,897	-
Indiana-Kentucky Electric Corp																
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	-
1987	-	-	-	-	-	-	111,052	15	-	100	0	-	118,201	118,134	67	-
Indianapolis Power & Light Co																
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	-
1987	-	-	-	-	-	-	133,008	-	-	100	-	-	160,385	160,385	-	-
Interstate Power Co																
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
1987	909	1,000	1.99	-	1.99	-	30,289	35	910	97	0	3	56,098	54,140	144	1,814
Iowa Electric Light & Power Co																
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
1987	441	1,000	2.57	-	2.57	-	19,080	87	441	97	0	2	26,653	25,161	360	1,132
Iowa Power & Light Co																
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
1987	128	996	2.36	-	2.36	-	44,518	-	128	100	-	0	44,931	44,629	-	302
Iowa Public Service Co																
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
1987	1,276	1,000	1.61	-	1.61	-	56,212	176	1,276	97	0	2	69,928	67,183	692	2,054
Iowa Southern Utilities Co																
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	-
1987	-	-	-	-	-	-	46,341	43	-	100	0	-	50,733	50,551	182	-
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
1987	908	1,026	2.87	3.23	3.01	38.5	39,732	-	932	98	-	2	47,294	44,560	-	2,733
Jacksonville Electric Auth																
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Jacksonville Electric Auth																		
1985	-	-	-	-	-	-	-	-	3,243	100.0	151,674	1.4	23.66	-	23.66	-	-	-
1986	204	100.0	11,728	12.8	3.8	33.45	-	33.45	6,833	100.0	151,512	1.4	13.24	-	13.24	-	-	-
1987	1,766	64.5	12,405	10.5	1.5	42.06	35.06	39.58	2,719	100.0	151,594	1.5	18.67	-	18.67	39	139,164	21.71
Jamestown City of																		
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	-	-	-	-	-	-	-	-	-	-
1987	116	-	12,767	10.0	1.5	-	33.48	33.48	-	-	-	-	-	-	-	-	-	-
Jersey Central Power&Light Co																		
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
1987	-	-	-	-	-	-	-	-	463	100.0	148,525	.5	19.58	-	19.58	1	137,469	23.77
Kansas City City of																		
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
1987	1,338	98.4	9,222	7.3	1.0	26.75	34.12	26.87	-	-	-	-	-	-	-	16	138,000	22.55
Kansas City Power & Light Co																		
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
1987	8,589	76.5	8,944	9.5	1.5	17.84	18.31	17.95	-	-	-	-	-	-	-	83	138,289	22.46
Kansas Gas & Electric Co																		
1983	-	-	-	-	-	-	-	-	43	-	151,977	1.0	-	31.04	31.04	-	-	-
1984	-	-	-	-	-	-	-	-	48	-	152,575	1.1	-	31.33	31.33	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas Power & Light Co																		
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	-	-	-	-	-	-	-	-	-	-
1987	8,848	100.0	8,635	5.0	.4	22.72	-	22.72	-	-	-	-	-	-	-	-	-	-
Kentucky Power Co																		
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
1987	2,266	65.1	11,994	12.8	1.2	37.35	25.16	33.10	-	-	-	-	-	-	-	36	139,497	23.56
Kentucky Utilities Co																		
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
1987	6,005	41.5	12,147	9.5	1.7	44.01	26.39	33.70	-	-	-	-	-	-	-	48	140,000	23.89
Lafayette City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake Worth City of																		
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
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	138,000	22.76

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Jacksonville Electric Auth																
1985	4,553	1,044	3.95	-	3.95	-	-	20,659	4,753	-	81	19	94,737	-	76,744	17,993
1986	1,697	1,040	2.65	2.26	2.56	22.0	4,785	43,482	1,765	10	87	4	101,637	6,824	90,462	4,351
1987	4,115	1,041	3.01	2.77	2.86	61.0	43,825	17,540	4,284	67	27	7	133,314	69,907	51,623	11,784
Jamestown City of																
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	-	-
1987	-	-	-	-	-	-	2,956	-	-	100	-	-	3,877	3,877	-	-
Jersey Central Power&Light Co																
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
1987	10,598	1,031	2.58	-	2.58	-	-	2,898	10,928	-	21	79	36,456	-	9,103	27,354
Kansas City City of																
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
1987	218	996	3.33	-	3.33	-	24,679	93	217	99	0	1	37,041	35,955	362	725
Kansas City Power & Light Co																
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
1987	124	986	2.60	-	2.60	-	153,654	480	122	100	0	0	156,367	154,188	1,857	322
Kansas Gas & Electric Co																
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
1987	5,772	988	2.10	-	2.10	-	-	-	5,703	-	-	100	12,135	-	-	12,135
Kansas Power & Light Co																
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
1987	1,899	1,005	2.11	-	2.11	-	152,806	-	1,908	99	-	1	205,040	201,034	-	4,006
Kentucky Power Co																
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	-
1987	-	-	-	-	-	-	54,352	213	-	100	0	-	75,854	74,997	858	-
Kentucky Utilities Co																
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	-
1987	-	-	-	-	-	-	145,893	284	-	100	0	-	203,551	202,395	1,156	-
Lafayette City of																
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
1987	5,790	1,043	1.77	1.88	1.86	86.0	-	-	6,037	-	-	100	10,782	-	-	10,782
Lake Worth City of																
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
1987	2,616	1,023	2.73	-	2.73	-	-	48	2,677	-	2	98	7,325	-	189	7,135

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Lakeland City of																		
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
1987	733	100.0	12,257	10.6	1.6	49.02	-	49.02	237	26.2	149,809	1.8	19.98	17.39	18.07	47	138,640	22.98
Lansing City of																		
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
1987	1,262	52.1	13,053	7.1	.8	55.95	43.36	49.92	-	-	-	-	-	-	-	10	138,000	22.46
Long Island Lighting Co																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	18,054	91.0	151,188	1.4	18.53	18.00	18.48	-	-	-
Los Angeles City of																		
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	-	-	-
1987	4,598	82.9	11,859	8.7	.6	33.11	20.38	30.94	502	100.0	145,401	.2	15.93	-	15.93	-	-	-
Louisiana Power & Light Co																		
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
1987	-	-	-	-	-	-	-	-	21	100.0	151,104	1.0	17.22	-	17.22	7	144,918	19.67
Louisville Gas & Electric Co																		
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
1987	4,296	79.9	11,198	12.2	3.3	31.35	23.50	29.77	-	-	-	-	-	-	-	40	140,000	23.56
Lower Colorado River Authority																		
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
1987	4,362	96.8	8,451	5.9	.4	26.52	20.31	26.33	-	-	-	-	-	-	-	22	141,000	21.53
Lubbock City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madison Gas & Electric Co																		
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	-	-	-	-	-	-	-	-	-	-
1987	93	-	11,409	8.2	1.6	-	37.29	37.29	-	-	-	-	-	-	-	-	-	-
Manitowoc City of																		
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	-	-	-	-	-	-	-	-	-	-
1987	113	-	13,221	6.6	.8	-	43.36	43.36	-	-	-	-	-	-	-	-	-	-
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Lakeland City of																
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
1987	3,578	1,025	2.85	2.84	2.85	1.5	17,978	1,764	3,666	77	8	16	51,489	35,949	5,360	10,180
Lansing City of																
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	-
1987	-	-	-	-	-	-	32,944	61	-	100	0	-	63,229	62,995	235	-
Long Island Lighting Co																
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
1987	26,843	1,029	2.31	2.44	2.31	.8	-	114,641	27,620	-	81	19	395,834	-	333,696	62,139
Los Angeles City of																
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
1987	56,026	1,045	2.60	-	2.60	-	109,066	3,066	58,536	64	2	34	295,906	142,273	7,998	145,635
Louisiana Power & Light Co																
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
1987	107,320	1,037	-	1.44	1.44	100.0	-	174	111,252	-	0	100	154,797	-	494	154,303
Louisville Gas & Electric Co																
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
1987	274	1,025	2.75	-	2.75	-	96,208	233	281	99	0	0	129,579	127,890	935	754
Lower Colorado River Authority																
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
1987	27,887	1,040	-	1.66	1.66	100.0	73,728	130	28,989	72	0	28	161,468	114,837	474	46,158
Lubbock City of																
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
1987	7,001	1,047	2.59	-	2.59	-	-	-	7,330	-	-	100	18,124	-	-	18,124
Madison Gas & Electric Co																
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
1987	519	991	4.06	-	4.06	-	2,122	-	514	80	-	20	5,575	3,468	-	2,108
Manitowoc City of																
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	-	-
1987	-	-	-	-	-	-	2,984	-	-	100	-	-	4,893	4,893	-	-
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	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Marquette City of																		
1985	156	100.0	9,335	6.7	0.6	41.66	-	41.66	-	-	-	-	-	-	-	1	138,000	32.86
1986	131	100.0	9,620	6.2	.6	41.66	-	41.66	-	-	-	-	-	-	-	1	138,000	17.64
1987	169	100.0	9,813	5.8	.6	34.96	-	34.96	-	-	-	-	-	-	-	-	-	-
Medina Electric Coop Inc																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	144,000	38.64
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	136,955	33.66
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metropolitan Edison Co																		
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
1987	1,224	24.4	12,987	7.9	1.8	45.55	40.65	41.84	-	-	-	-	-	-	-	47	136,978	24.05
Michigan South Central Pwr Agy																		
1985	120	100.0	12,013	10.0	3.0	47.45	-	47.45	-	-	-	-	-	-	-	-	-	-
1986	92	100.0	11,763	10.6	3.4	45.35	-	45.35	-	-	-	-	-	-	-	5	140,000	20.99
1987	161	100.0	11,886	11.1	3.1	46.34	-	46.34	-	-	-	-	-	-	-	-	-	-
Minnesota Power & Light Co																		
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
1987	3,224	98.6	8,636	8.8	.8	24.21	19.21	24.14	-	-	-	-	-	-	-	23	137,000	25.75
Minnkota Power Coop Inc																		
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
1987	3,627	100.0	6,717	7.5	.7	7.31	-	7.31	-	-	-	-	-	-	-	9	140,000	25.48
Mississippi Power & Light Co																		
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
1987	-	-	-	-	-	-	-	-	149	100.0	149,817	3.1	12.96	-	12.96	11	137,814	21.34
Mississippi Power Co																		
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
1987	3,635	30.1	12,698	7.6	1.4	42.90	50.47	48.19	1	-	149,577	3.1	-	21.18	21.18	18	139,077	21.63
Missouri Public Service Comm																		
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	-	-	-	-	-	-	-	-	-	-
1987	671	76.1	10,958	10.4	3.1	37.38	28.92	35.36	-	-	-	-	-	-	-	-	-	-
Monongahela Power Co																		
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
1987	12,820	77.6	12,643	10.5	2.4	35.38	23.37	32.69	-	-	-	-	-	-	-	94	141,000	25.71
Montana Power Co																		
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
1987	7,376	100.0	8,649	8.8	.6	11.00	-	11.00	-	-	-	-	-	-	-	24	141,000	24.32

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 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Marquette City of																
1985	-	-	-	-	-	-	2,916	7	-	100	0	-	6,546	6,507	39	-
1986	-	-	-	-	-	-	2,528	7	-	100	0	-	5,496	5,474	21	-
1987	-	-	-	-	-	-	3,326	-	-	100	-	-	5,925	5,925	-	-
Medina Electric Coop Inc																
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
1987	279	1,070	-	2.24	2.24	100.0	-	-	299	-	-	100	625	-	-	625
Metropolitan Edison Co																
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	-
1987	-	-	-	-	-	-	31,806	271	-	99	1	-	52,369	51,236	1,133	-
Michigan South Central Pwr Agy																
1985	-	-	-	-	-	-	2,892	-	-	100	-	-	5,711	5,711	-	-
1986	-	-	-	-	-	-	2,156	32	-	99	1	-	4,270	4,155	115	-
1987	-	-	-	-	-	-	3,824	-	-	100	-	-	7,454	7,454	-	-
Minnesota Power & Light Co																
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	-
1987	-	-	-	-	-	-	55,679	131	-	100	0	-	78,400	77,816	585	-
Minnkota Power Coop Inc																
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	-
1987	-	-	-	-	-	-	48,729	53	-	100	0	-	26,756	26,527	229	-
Mississippi Power & Light Co																
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
1987	26,963	1,027	1.69	2.13	1.96	61.9	-	997	27,689	-	3	97	54,971	-	2,157	52,814
Mississippi Power Co																
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
1987	4,135	1,032	-	1.77	1.77	100.0	92,305	113	4,268	95	0	4	182,892	175,148	418	7,327
Missouri Public Service Comm																
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	-	-
1987	-	-	-	-	-	-	14,710	-	-	100	-	-	23,733	23,733	-	-
Monongahela Power Co																
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
1987	88	1,000	3.94	-	3.94	-	324,171	556	88	100	0	0	421,897	419,140	2,412	345
Montana Power Co																
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
1987	471	1,207	-	1.06	1.06	100.0	127,590	142	568	99	0	0	82,191	81,107	584	501

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Montana-Dakota Utilities Co																		
1983	2,617	-	6,993	9.3	0.8	-	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
1987	2,451	100.0	6,878	8.2	.9	12.27	-	12.27	-	-	-	-	-	-	-	16	136,552	23.41
Montaup Electric Co																		
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
1987	506	100.0	13,373	6.9	1.2	45.27	-	45.27	20	-	150,420	.8	-	19.58	19.58	53	137,963	22.82
Muscatine City of																		
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
1987	486	40.0	11,313	6.2	3.1	43.61	47.10	45.70	-	-	-	-	-	-	-	4	138,500	25.78
Narragansett Electric Co																		
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																		
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
1987	2,912	97.2	8,892	5.0	.4	18.41	19.99	18.45	-	-	-	-	-	-	-	3	138,140	23.08
Nevada Power Co																		
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
1987	1,498	100.0	11,911	8.8	.5	48.24	-	48.24	37	-	147,600	.8	-	11.61	11.61	5	134,800	27.14
New England Power Co																		
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	-	-	-
1987	2,991	69.4	13,071	8.3	1.2	42.09	39.92	41.42	7,344	75.7	152,862	1.7	16.25	16.42	16.29	158	151,228	18.56
New Mexico Electric Service																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Orleans Public Service Inc																		
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
1987	-	-	-	-	-	-	-	-	0	-	152,300	1.5	-	19.40	19.40	0	137,613	21.36
New York State Elec & Gas Corp																		
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
1987	3,967	63.7	12,489	11.8	2.0	39.52	35.30	37.99	-	-	-	-	-	-	-	58	137,000	25.34
Niagara Mohawk Power Corp																		
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	-	-	-
1987	2,897	43.0	13,015	7.8	1.8	41.15	36.06	38.25	5,738	62.2	150,164	1.2	21.66	18.66	20.53	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Per-cent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			In-ter-upt	Firm	Total		Coal	Pet-rol-eum	Gas	Coal	Pet-rol-eum	Gas	Total	Coal	Pet-rol-eum	Gas
Montana-Dakota Utilities Co																
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
1987	9	1,079	4.77	-	4.77	-	33,708	91	10	100	0	0	30,494	30,076	373	45
Montaup Electric Co																
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	-
1987	-	-	-	-	-	-	13,528	435	-	97	3	-	24,505	22,897	1,608	-
Muscatine City of																
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
1987	17	1,000	-	2.63	2.63	100.0	11,003	22	17	100	0	0	22,363	22,223	96	44
Narragansett Electric Co																
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																
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
1987	503	966	2.73	-	2.73	-	51,781	16	485	99	0	1	55,168	53,731	65	1,371
Nevada Power Co																
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
1987	3,603	1,041	2.50	-	2.50	-	35,674	259	3,751	90	1	9	81,807	72,237	568	9,002
New England Power Co																
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	-
1987	5,710	1,031	2.39	-	2.39	-	78,191	48,151	5,888	59	36	4	260,109	123,901	122,557	13,651
New Mexico Electric Service																
1983	2,394	1,013	-	3.71	3.71	100.0	-	-	2,426	-	-	100	8,876	-	-	8,876
New Orleans Public Service Inc																
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
1987	31,531	1,036	1.69	-	1.69	-	-	3	32,660	-	0	100	53,220	-	11	53,209
New York State Elec & Gas Corp																
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	-
1987	-	-	-	-	-	-	99,089	335	-	100	0	-	152,191	150,716	1,475	-
Niagara Mohawk Power Corp																
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
1987	18,651	1,034	2.24	-	2.24	-	75,412	36,189	19,278	58	28	15	270,415	110,824	117,802	41,789

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Northern Indiana Pub Serv Co																		
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
1987	[1] 5,119	50.7	11,492	8.8	2.4	44.30	34.23	39.34	-	-	-	-	-	-	-	25	138,676	23.51
Northern States Power Co																		
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	-	-	-	-	-	-	-	-	-	-
1987	[1] 9,321	100.0	8,726	6.5	.4	19.59	21.31	19.59	-	-	-	-	-	-	-	-	-	-
Ohio Edison Co																		
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
1987	7,547	53.2	12,192	11.2	2.1	34.55	27.29	31.15	-	-	-	-	-	-	-	45	136,761	24.75
Ohio Power Co																		
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
1987	14,096	98.5	11,542	13.1	3.4	39.14	28.07	38.97	-	-	-	-	-	-	-	139	137,657	24.30
Ohio Valley Electric Corp																		
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
1987	3,387	67.8	11,931	9.9	3.6	38.36	22.12	33.14	-	-	-	-	-	-	-	5	138,071	25.43
Oklahoma Gas & Electric Co																		
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
1987	6,070	92.5	9,179	5.1	.4	27.46	34.59	28.00	-	-	-	-	-	-	-	-	-	-
Omaha Public Power District																		
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	-	-	-	-	-	-	-	-	-	-
1987	2,908	63.7	8,290	5.0	.3	12.34	10.58	11.70	-	-	-	-	-	-	-	-	-	-
Orange & Rockland Utils Inc																		
1983	-	-	-	-	-	-	-	-	5,364	94.1	146,959	0.4	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	-	-	-
1987	151	100.0	13,216	7.3	.5	53.87	-	53.87	4,159	-	147,280	.3	-	19.56	19.56	-	-	-
Orlando Utilities Comm																		
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	-	-	-
1987	538	94.5	13,396	6.3	1.0	50.74	49.72	50.68	378	-	150,085	.8	-	18.50	18.50	5	138,153	21.98
Otter Tail Power Co																		
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
1987	789	100.0	6,119	8.2	.9	15.55	-	15.55	-	-	-	-	-	-	-	16	140,000	25.80
Owensboro City of																		
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Northern Indiana Pub Serv Co																
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
1987	850	1,000	-	2.63	2.63	100.0	117,651	146	850	99	0	1	204,175	201,350	588	2,238
Northern States Power Co																
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
1987	1,338	999	2.26	-	2.26	-	162,674	-	1,338	99	-	1	185,599	182,572	-	3,027
Ohio Edison Co																
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	-
1987	-	-	-	-	-	-	184,031	261	-	100	0	-	236,266	235,140	1,126	-
Ohio Power Co																
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	-
1987	-	-	-	-	-	-	325,409	806	-	100	0	-	552,727	549,340	3,387	-
Ohio Valley Electric Corp																
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	-
1987	-	-	-	-	-	-	80,822	28	-	100	0	-	112,360	112,238	122	-
Oklahoma Gas & Electric Co																
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
1987	96,868	1,037	-	2.73	2.73	100.0	111,424	-	100,452	53	-	47	434,324	169,951	-	264,373
Omaha Public Power District																
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
1987	665	987	2.38	-	2.38	-	48,220	-	656	99	-	1	35,617	34,032	-	1,585
Orange & Rockland Utils Inc																
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
1987	25,544	1,032	2.30	-	2.30	-	3,996	25,728	26,350	7	46	47	148,317	8,145	81,357	58,816
Orlando Utilities Comm																
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
1987	10,322	1,023	2.84	-	2.84	-	14,417	2,416	10,559	53	9	39	63,704	27,273	7,118	29,312
Otter Tail Power Co																
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	-
1987	-	-	-	-	-	-	9,656	91	-	99	1	-	12,667	12,265	401	-
Owensboro City of																
1983	-	-	-	-	-	-	18,962	14	-	100	0	-	30,591	30,511	80	-
1984	-	-	-	-	-	-	19,973	22	-	100	0	-	34,716	34,585	131	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Owensboro City of																		
1985	674	100.0	10,805	11.8	2.9	36.94	-	36.94	-	-	-	-	-	-	-	3	140,000	33.40
1986	813	100.0	10,839	11.7	2.9	33.90	-	33.90	-	-	-	-	-	-	-	4	140,000	21.09
1987	696	100.0	10,823	11.4	3.0	29.26	-	29.26	-	-	-	-	-	-	-	3	140,000	23.76
Pacific Gas & Electric Co																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	37	100.0	153,239	0.0	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	-	-	-
1987	-	-	-	-	-	-	-	-	1,631	-	151,598	.3	-	18.57	18.57	-	-	-
Pacific Power & Light Co																		
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
1987	15,992	90.6	8,662	10.6	.6	19.74	11.72	18.99	-	-	-	-	-	-	-	87	140,129	23.91
Painesville City of																		
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	-	-	-	-	-	-	-	-	-	-
1987	92	-	12,420	8.1	2.3	-	32.34	32.34	-	-	-	-	-	-	-	-	-	-
Pasadena City of																		
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
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania Electric Co																		
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
1987	16,651	80.9	12,168	15.4	1.8	33.26	27.68	32.19	-	-	-	-	-	-	-	240	138,800	23.64
Pennsylvania Power & Light Co																		
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
1987	[1] 9,607	83.0	12,240	14.5	1.7	42.70	27.16	40.06	6,934	76.8	150,657	.9	18.19	19.22	18.43	335	139,328	22.52
Pennsylvania Power Co																		
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
1987	6,766	73.6	12,109	11.5	3.5	36.29	29.43	34.48	-	-	-	-	-	-	-	145	138,249	23.62
Philadelphia Electric Co																		
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	-	-	-
1987	1,279	37.5	13,035	7.6	1.6	39.78	39.28	39.47	4,275	88.7	149,531	.5	19.70	18.39	19.55	-	-	-
Plains Elec Gen&Trans Coop Inc																		
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	-	-	-	-	-	-	-	-	-	-
1987	612	100.0	9,598	14.2	.7	31.46	-	31.46	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
1987	1,142	97.1	8,771	5.1	.3	13.31	12.87	13.30	-	-	-	-	-	-	-	-	-	-

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 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 1,000 Mcf	Btu per Cu Ft	Average Price in Dollars per Mcf			Per-cent Firm/ Total	In Billion Btu			Percent of Total Btu			In $1,000			
			In-ter-upt	Firm	Total		Coal	Pet-rol-eum	Gas	Coal	Pet-rol-eum	Gas	Total	Coal	Pet-rol-eum	Gas
Owensboro City of																
1985	-	-	-	-	-	-	14,558	15	-	100	0	-	24,975	24,889	86	-
1986	-	-	-	-	-	-	17,627	21	-	100	0	-	27,642	27,566	77	-
1987	-	-	-	-	-	-	15,064	19	-	100	0	-	20,437	20,361	76	-
Pacific Gas & Electric Co																
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
1987	238,595	1,029	2.63	-	2.63	-	-	10,382	245,469	-	4	96	656,914	-	30,286	626,628
Pacific Power & Light Co																
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	-
1987	-	-	-	-	-	-	277,054	512	-	100	0	-	305,732	303,652	2,080	-
Painesville City of																
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
1987	16	1,000	4.20	4.42	4.24	19.2	2,287	-	16	99	-	1	3,046	2,977	-	68
Pasadena City of																
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
1987	4,135	1,033	2.39	-	2.39	-	-	-	4,273	-	-	100	9,894	-	-	9,894
Pennsylvania Electric Co																
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	-
1987	-	-	-	-	-	-	405,230	1,399	-	100	0	-	541,721	536,048	5,673	-
Pennsylvania Power & Light Co																
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	-
1987	-	-	-	-	-	-	235,184	45,836	-	84	16	-	520,190	384,840	135,350	-
Pennsylvania Power Co																
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	-
1987	-	-	-	-	-	-	163,861	845	-	99	1	-	236,717	233,281	3,436	-
Philadelphia Electric Co																
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	-
1987	-	-	-	-	-	-	33,343	26,848	-	55	45	-	134,059	50,484	83,576	-
Plains Elec Gen&Trans Coop Inc																
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
1987	26	901	3.42	-	3.42	-	11,744	-	23	100	-	0	19,337	19,249	-	89
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	-	-
1987	-	-	-	-	-	-	20,035	-	-	100	-	-	15,186	15,186	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Portland General Electric Co																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	137,000	34.94
1984	352	100.0	8,327	4.8	0.3	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
1987	377	100.0	8,484	4.7	.3	23.78	-	23.78	-	-	-	-	-	-	-	-	-	-
Potomac Edison Co																		
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
1987	231	58.5	12,554	11.3	1.0	33.51	27.92	31.19	-	-	-	-	-	-	-	5	141,000	23.69
Potomac Electric Power Co																		
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
1987	6,157	85.2	12,625	11.3	1.5	40.54	37.98	40.16	[2] 1,998	100.0	147,192	1.4	20.39	-	20.39	416	138,424	22.14
Power Authority of State of NY																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	1,932	-	147,751	.2	-	20.05	20.05	-	-	-
Public Service Co of Colorado																		
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
1987	5,772	95.5	9,399	6.3	.4	23.74	24.62	23.78	-	-	-	-	-	-	-	28	136,759	22.10
Public Service Co of IN Inc																		
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
1987	11,377	96.5	10,818	10.6	2.4	33.28	26.01	33.02	-	-	-	-	-	-	-	142	137,000	23.81
Public Service Co of NH																		
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
1987	1,115	97.2	13,416	7.4	2.2	51.68	44.07	51.47	3,372	94.1	155,870	1.7	16.91	16.90	16.90	12	137,676	23.35
Public Service Co of NM																		
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
1985	6,804	100.0	9,528	20.0	.7	21.13	-	21.13	[2] 33	100.0	146,628	.6	23.64	-	23.64	36	136,244	36.17
1986	5,876	100.0	9,456	20.7	.8	25.06	-	25.06	36	84.9	147,165	1.0	10.71	7.25	10.19	51	136,007	21.64
1987	5,037	100.0	9,426	22.1	.8	29.52	-	29.52	26	100.0	145,000	1.0	13.05	-	13.05	44	136,000	25.52
Public Service Co of Oklahoma																		
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	-	-	-	-	-	-	-	-	-	-
1987	2,954	100.0	8,533	6.1	.4	28.19	-	28.19	-	-	-	-	-	-	-	1	139,417	27.92
Public Service Electric&Gas Co																		
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
1987	1,811	84.1	13,339	7.5	.9	48.67	44.82	48.06	2,507	67.1	147,241	.3	20.04	19.81	19.96	1	137,258	22.35
Richmond City of																		
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	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Portland General Electric Co																
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	-
1987	-	-	-	-	-	-	6,392	-	-	100	-	-	8,960	8,960	-	-
Potomac Edison Co																
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	-
1987	-	-	-	-	-	-	5,796	27	-	100	0	-	7,307	7,200	107	-
Potomac Electric Power Co																
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
1987	6,833	1,043	2.80	-	2.80	-	155,473	14,765	7,126	88	8	4	316,354	247,282	49,923	19,150
Power Authority of State of NY																
1983	11,130	1,035	4.58	6.43	4.58	0.1	-	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
1987	19,576	1,030	2.66	-	2.66	-	-	11,989	20,161	-	37	63	90,704	-	38,727	51,977
Public Service Co of Colorado																
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
1987	4,601	984	2.21	2.11	2.18	31.8	108,515	161	4,527	96	0	4	147,937	137,286	619	10,031
Public Service Co of IN Inc																
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	-
1987	-	-	-	-	-	-	246,160	816	-	100	0	-	379,036	375,659	3,376	-
Public Service Co of NH																
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	-
1987	-	-	-	-	-	-	29,931	22,148	-	57	43	-	114,706	57,412	57,294	-
Public Service Co of NM																
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
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
1987	251	1,081	2.36	-	2.36	-	94,959	408	271	99	0	0	150,732	148,681	1,458	593
Public Service Co of Oklahoma																
1983	86,823	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
1987	69,834	1,063	-	3.06	3.06	100.0	50,414	4	74,215	40	0	60	296,737	83,285	17	213,435
Public Service Electric&Gas Co																
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
1987	39,797	1,034	2.64	-	2.64	-	48,321	15,509	41,160	46	15	39	242,016	87,043	50,070	104,904
Richmond City of																
1983	-	-	-	-	-	-	3,625	-	-	100	-	-	7,498	7,498	-	-
1984	-	-	-	-	-	-	4,626	-	-	100	-	-	8,245	8,245	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Richmond City of																		
1985	200	84.9	11,080	9.8	2.1	40.89	30.86	39.37	-	-	-	-	-	-	-	-	-	-
1986	192	89.2	11,099	10.7	2.2	39.69	30.60	38.70	-	-	-	-	-	-	-	-	-	-
1987	192	88.3	11,271	11.2	2.5	38.27	29.88	37.29	-	-	-	-	-	-	-	-	-	-
Rochester City of																		
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	-	-	-	-	-	-	-	-	-	-
1987	122	100.0	12,257	7.1	1.7	47.21	-	47.21	-	-	-	-	-	-	-	-	-	-
Rochester Gas & Electric Corp																		
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	-	-	-	-	-	-	-	-	-	-
1987	533	85.6	13,232	7.0	2.3	45.61	41.30	44.99	-	-	-	-	-	-	-	-	-	-
Ruston City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S Mississippi Elec Pwr Assn																		
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
1987	795	-	12,561	8.4	.9	-	55.84	55.84	-	-	-	-	-	-	-	7	134,499	22.65
Salt River Proj Ag I & P Dist																		
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
1987	8,709	98.9	10,884	10.1	.5	24.66	31.56	24.74	11	-	140,397	.8	-	13.21	13.21	216	138,692	25.88
San Antonio City of																		
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
1987	2,657	100.0	8,308	5.7	.4	27.67	-	27.67	-	-	-	-	-	-	-	-	-	-
San Diego Gas & Electric Co																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Miguel Electric Coop Inc																		
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	2,965	100.0	5,362	24.8	1.8	12.78	-	12.78	-	-	-	-	-	-	-	51	143,507	18.61
1987	2,525	100.0	5,369	24.8	1.7	9.22	-	9.22	-	-	-	-	-	-	-	7	139,489	21.00
Savannah Electric & Power Co																		
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
1987	777	-	13,026	8.7	.9	-	42.81	42.81	141	-	146,685	2.5	-	19.10	19.10	2	135,879	23.97
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
1987	3,052	80.6	12,132	8.6	2.9	51.56	37.32	48.80	-	-	-	-	-	-	-	42	139,508	22.58

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Richmond City of																
1985	-	-	-	-	-	-	4,438	-	-	100	-	-	7,884	7,884	-	-
1986	-	-	-	-	-	-	4,256	-	-	100	-	-	7,420	7,420	-	-
1987	-	-	-	-	-	-	4,335	-	-	100	-	-	7,170	7,170	-	-
Rochester City of																
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
1987	1,361	994	1.92	3.14	1.93	1.3	2,993	-	1,354	69	-	31	8,396	5,764	-	2,632
Rochester Gas & Electric Corp																
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
1987	-	-	-	-	-	-	14,094	-	-	100	-	-	23,963	23,963	-	-
Ruston City of																
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
1987	1,986	1,045	-	1.98	1.98	100.0	-	-	2,075	-	-	100	3,926	-	-	3,926
S Mississippi Elec Pwr Assn																
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
1987	5,333	1,028	1.72	-	1.72	-	19,979	40	5,483	78	0	21	53,724	44,409	161	9,154
Salt River Proj Ag I & P Dist																
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
1987	4,255	1,044	2.63	-	2.63	-	189,572	1,320	4,440	97	1	2	232,316	215,418	5,724	11,174
San Antonio City of																
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
1987	67,680	1,024	1.71	3.92	1.85	6.4	44,149	-	69,281	39	-	61	198,668	73,520	-	125,148
San Diego Gas & Electric Co																
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
1987	45,397	1,034	2.11	-	2.11	-	-	-	46,959	-	-	100	95,941	-	-	95,941
San Miguel Electric Coop Inc																
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	-
1987	-	-	-	-	-	-	27,109	42	-	100	0	-	23,417	23,265	152	-
Savannah Electric & Power Co																
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
1987	497	1,023	3.96	-	3.96	-	20,244	882	508	94	4	2	37,984	33,266	2,750	1,968
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	-
1987	-	-	-	-	-	-	74,055	246	-	100	0	-	149,883	148,935	948	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price In Dollars per Ton			Delivered Quantity		Average Quality		Average Price In Dollars per Bbl			Delivered Quantity	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		
Sierra Pacific Power Co																		
1983	821	100.0	11,297	8.2	0.4	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	0.5	-	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
1987	1,103	100.0	10,964	8.6	.4	40.63	-	40.63	408	-	148,800	.7	-	15.04	15.04	16	138,500	24.95
Sikeston City of																		
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
1987	576	100.0	11,449	10.5	2.2	34.27	-	34.27	-	-	-	-	-	-	-	4	141,000	21.54
South Carolina Electric&Gas Co																		
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
1987	4,779	71.6	12,878	8.9	1.3	46.33	38.04	43.98	-	-	-	-	-	-	-	65	138,000	23.33
South Carolina Pub Serv Auth																		
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
1987	4,128	72.7	12,391	10.1	1.2	47.41	36.97	44.56	-	-	-	-	-	-	-	37	140,000	23.34
Southern California Edison Co																		
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	-	-	-
1987	4,293	100.0	10,984	10.0	.5	22.96	-	22.96	1,061	100.0	147,115	.3	17.08	-	17.08	-	-	-
Southern Illinois Power Coop																		
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	-	-	-	-	-	-	-	-	-	-
1987	655	62.0	10,950	17.3	3.3	25.94	12.19	20.72	-	-	-	-	-	-	-	-	-	-
Southern Indiana Gas & Elec Co																		
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
1987	2,296	97.4	11,247	8.9	3.3	33.18	23.39	32.93	-	-	-	-	-	-	-	12	139,000	24.94
Southwestern Electric Power Co																		
1983	6,327	100.0	8,360	4.8	.4	27.71	-	27.71	-	-	-	-	-	-	-	27	140,000	37.01
1984	7,257	100.0	8,256	5.0	.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
1987	9,464	100.0	7,927	6.5	.7	25.91	-	25.91	-	-	-	-	-	-	-	41	140,000	22.62
Southwestern Public Service Co																		
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	-	-	-	-	-	-	-	-	-	-
1987	7,201	93.7	8,837	5.0	.4	31.04	18.56	30.26	-	-	-	-	-	-	-	-	-	-
Springfield City of (MO)																		
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	-	-	-	-	-	-	-	-	-	-
1987	644	100.0	12,407	10.5	4.1	29.25	-	29.25	-	-	-	-	-	-	-	-	-	-
Springfield City of (IL)																		
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	-	-	-	-	-	-	-	-	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Sierra Pacific Power Co																
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
1987	1,490	1,015	2.93	-	2.93	-	24,181	2,645	1,513	85	9	5	55,725	44,808	6,545	4,372
Sikeston City of																
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	-
1987	-	-	-	-	-	-	13,192	24	-	100	0	-	19,830	19,742	88	-
South Carolina Electric&Gas Co																
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
1987	173	1,027	3.57	-	3.57	-	123,082	376	178	100	0	0	212,290	210,158	1,514	618
South Carolina Pub Serv Auth																
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	-
1987	-	-	-	-	-	-	102,287	216	-	100	0	-	184,783	183,927	856	-
Southern California Edison Co																
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
1987	251,096	1,045	2.65	-	2.65	-	94,310	6,555	262,312	26	2	72	783,081	98,576	18,121	666,384
Southern Illinois Power Coop																
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	-	-
1987	-	-	-	-	-	-	14,345	-	-	100	-	-	13,570	13,570	-	-
Southern Indiana Gas & Elec Co																
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
1987	28	1,025	2.77	-	2.77	-	51,655	69	28	100	0	0	75,995	75,625	293	77
Southwestern Electric Power Co																
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
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
1987	19,404	961	1.70	2.34	2.14	68.6	150,036	241	18,649	89	0	11	287,651	245,193	927	41,531
Southwestern Public Service Co																
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
1987	25,594	1,012	1.69	2.45	2.30	81.0	127,256	-	25,897	83	-	17	276,836	217,859	-	58,977
Springfield City of (MO)																
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
1987	153	1,007	3.05	-	3.05	-	15,983	-	154	99	-	1	19,308	18,842	-	465
Springfield City of (IL)																
1983	-	-	-	-	-	-	16,415	-	-	100	-	-	29,924	29,924	-	-
1984	-	-	-	-	-	-	16,144	-	-	100	-	-	30,318	30,318	-	-

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Springfield City of (IL)																		
1985	701	100.0	10,354	9.1	2.9	41.37	-	41.37	-	-	-	-	-	-	-	-	-	-
1986	788	100.0	10,344	9.2	2.9	34.00	-	34.00	-	-	-	-	-	-	-	-	-	-
1987	840	100.0	10,404	9.4	2.9	32.99	-	32.99	-	-	-	-	-	-	-	-	-	-
St Joseph Light & Power Co																		
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	-	-	-	-	-	-	-	-	-	-
1987	111	-	12,164	14.9	3.6	-	33.36	33.36	39	-	154,599	1.8	-	15.17	15.17	-	-	-
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	-	-	-	-	-	-	-	-	-	-
1987	902	100.0	8,282	5.6	.4	17.47	-	17.47	-	-	-	-	-	-	-	-	-	-
Tallahassee City of																		
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	-	-	-
1987	-	-	-	-	-	-	-	-	67	100.0	151,787	1.6	18.42	-	18.42	-	-	-
Tampa Electric Co																		
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
1987	6,947	75.1	12,266	8.0	2.1	47.55	35.15	44.46	-	-	-	-	-	-	-	186	138,514	22.70
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	-	-	-
1987	-	-	-	-	-	-	-	-	397	100.0	148,796	1.9	18.50	-	18.50	-	-	-
Tennessee Valley Authority																		
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
1987	35,639	69.4	11,775	11.2	2.4	32.95	29.25	31.82	-	-	-	-	-	-	-	218	138,122	23.35
Texas Electric Service Co																		
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
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
1987	3,282	99.3	4,778	24.8	1.0	13.81	26.03	13.89	-	-	-	-	-	-	-	12	141,000	21.89
Texas Power & Light Co																		
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
1987	29,026	100.0	6,393	15.2	.7	13.54	-	13.54	[2] 8	-	143,294	.5	-	27.97	27.97	237	138,000	22.71
Texas Utilities Service Inc																		
1983	28,690	100.0	6,507	14.9	.7	11.74	-	11.74	-	-	-	-	-	-	-	95	137,000	37.16
Toledo Edison Co																		
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Springfield City of (IL)																
1985	-	-	-	-	-	-	14,521	-	-	100	-	-	29,007	29,007	-	-
1986	-	-	-	-	-	-	16,294	-	-	100	-	-	26,782	26,782	-	-
1987	-	-	-	-	-	-	17,486	-	-	100	-	-	27,722	27,722	-	-
St Joseph Light & Power Co																
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
1987	320	980	2.78	-	2.78	-	2,708	255	313	83	8	10	5,197	3,713	595	890
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
1987	92	762	-	1.39	1.39	100.0	14,943	-	70	100	-	0	15,885	15,757	-	127
Tallahassee City of																
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
1987	11,685	1,037	2.80	-	2.80	-	-	428	12,113	-	3	97	34,012	-	1,238	32,774
Tampa Electric Co																
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	-
1987	-	-	-	-	-	-	170,437	1,083	-	99	1	-	313,100	308,875	4,225	-
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	-
1987	165	1,031	2.93	-	2.93	-	-	2,482	170	-	94	6	7,834	-	7,349	485
Tennessee Valley Authority																
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	-
1987	-	-	-	-	-	-	839,313	1,267	-	100	0	-	1,139,032	1,133,934	5,098	-
Texas Electric Service Co																
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	-
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	-
1987	-	-	-	-	-	-	31,366	73	-	100	0	-	45,871	45,602	269	-
Texas Power & Light Co																
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
1987	359,910	1,044	2.87	2.67	2.67	100.0	371,114	1,428	375,756	50	0	50	1,359,704	392,974	5,632	961,098
Texas Utilities Service Inc																
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																
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

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
Toledo Edison Co																		
1986	1,683	73.4	13,223	6.8	1.1	56.94	39.90	52.40	-	-	-	-	-	-	-	0	137,584	28.35
1987	1,522	80.6	13,227	6.6	1.2	55.23	39.38	52.16	-	-	-	-	-	-	-	2	138,100	23.68
Tucson Electric Power Co																		
1983	-	-	-	-	-	-	-	-	21	100.0	145,985	0.9	32.38	-	32.38	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	225	100.0	10,151	11.4	.4	52.03	-	52.03	-	-	-	-	-	-	-	-	-	-
Union Electric Co																		
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
1987	9,609	98.3	11,092	9.4	1.9	36.33	30.89	36.24	225	100.0	151,485	1.8	15.39	-	15.39	70	137,000	24.94
United Illuminating Co																		
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
1987	770	100.0	13,134	6.7	.5	63.56	-	63.56	5,967	73.8	150,471	.9	18.32	17.88	18.21	7	138,862	23.55
United Power Assn																		
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	-	-	-	-	-	-	-	-	-	-
1987	1,044	100.0	6,697	9.9	.6	13.62	-	13.62	-	-	-	-	-	-	-	-	-	-
Upper Peninsula Generating Co																		
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	-	-	-	-	-	-	-	-	-	-
1987	1,425	-	9,981	7.3	.6	-	39.21	39.21	-	-	-	-	-	-	-	-	-	-
Utah Power & Light Co																		
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
1987	8,197	100.0	11,112	9.7	.5	24.65	-	24.65	-	-	-	-	-	-	-	45	140,000	24.57
Vero Beach City of																		
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	[2] 3	100.0	146,000	.7	34.27	-	34.27	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	138,000	30.66
1987	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vineland City of																		
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
1987	77	100.0	12,618	8.4	.8	49.40	-	49.40	155	100.0	150,530	1.0	18.89	-	18.89	20	136,770	23.60
Virginia Electric & Power Co																		
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
1987	10,655	54.7	12,632	10.8	1.3	38.06	34.63	36.50	5,273	87.3	147,589	.8	19.08	18.36	18.99	311	140,000	22.85
West Penn Power Co																		
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
1987	5,412	91.5	12,646	10.5	2.3	35.46	24.26	34.51	-	-	-	-	-	-	-	22	141,000	24.72

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 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
Toledo Edison Co																
1986	78	1,021	-	5.10	5.10	100.0	44,519	2	80	100	0	0	88,625	88,216	11	398
1987	31	1,028	-	4.87	4.87	100.0	40,277	10	32	100	0	0	79,609	79,415	43	151
Tucson Electric Power Co																
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
1987	3,186	1,032	-	2.36	2.36	100.0	4,572	-	3,287	58	-	42	19,232	11,718	-	7,514
Union Electric Co																
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
1987	574	1,030	3.39	-	3.39	-	213,167	1,834	591	99	1	0	355,359	348,207	5,208	1,944
United Illuminating Co																
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
1987	3,180	1,031	2.77	-	2.77	-	20,227	37,750	3,277	33	62	5	166,555	48,940	108,804	8,811
United Power Assn																
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	-	-
1987	-	-	-	-	-	-	13,990	-	-	100	-	-	14,222	14,222	-	-
Upper Peninsula Generating Co																
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	-	-
1987	-	-	-	-	-	-	28,445	-	-	100	-	-	55,870	55,870	-	-
Utah Power & Light Co																
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
1987	95	1,022	3.44	-	3.44	-	182,177	265	97	100	0	0	203,521	202,089	1,106	326
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
1987	894	1,056	2.98	-	2.98	-	-	-	944	-	-	100	2,666	-	-	2,666
Vineland City of																
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	-
1987	-	-	-	-	-	-	1,938	1,098	-	64	36	-	7,206	3,794	3,412	-
Virginia Electric & Power Co																
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
1987	[3] 2,484	1,039	2.52	-	2.52	-	269,183	34,515	2,581	88	11	1	502,442	388,936	107,234	6,272
West Penn Power Co																
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
1987	56	1,000	4.92	-	4.92	-	136,878	131	56	100	0	0	187,611	186,787	547	277

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

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price in Dollars per Ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
West Texas Utilities Co																		
1983	-	-	-	-	-	-	-	-	[2] 19	47.4	145,871	0.4	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	0.3	27.01	-	27.01	-	-	-	-	-	-	-	51	133,990	16.99
1987	1,856	100.0	8,278	5.1	.3	27.79	-	27.79	-	-	-	-	-	-	-	59	135,039	21.94
Western Farmers Elec Coop Inc																		
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
1987	950	94.2	8,626	5.9	.5	29.19	50.40	30.42	-	-	-	-	-	-	-	-	-	-
Western Massachusetts Elec Co																		
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
1987	-	-	-	-	-	-	-	-	582	87.3	150,384	1.6	17.67	17.27	17.62	16	138,099	22.83
Wisconsin Electric Power Co																		
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
1987	6,668	84.6	9,771	6.2	.8	26.09	18.55	24.92	-	-	-	-	-	-	-	50	137,747	23.06
Wisconsin Power & Light Co																		
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	-	-	-	-	-	-	-	-	-	-
1987	5,784	83.5	9,307	7.0	.9	29.76	28.14	29.49	-	-	-	-	-	-	-	-	-	-
Wisconsin Public Service Corp																		
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
1987	1,957	89.6	9,713	6.7	1.0	38.51	27.93	37.40	-	-	-	-	-	-	-	26	138,000	22.55
Wyandotte Municipal Serv Comm																		
1986	91	100.0	13,398	6.1	.7	51.55	-	51.55	-	-	-	-	-	-	-	-	-	-
1987	90	100.0	13,270	7.1	.7	48.31	-	48.31	-	-	-	-	-	-	-	-	-	-

[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."

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987 (Continued)

Utility Year	Natural Gas						Total Delivered Quantity						Total Delivered Fuel Cost			
	Amount 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
West Texas Utilities Co																
1983	45,062	999	4.29	0.39	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
1987	40,304	1,028	2.23	.40	1.61	33.5	30,729	332	41,415	42	0	57	117,886	51,583	1,283	65,019
Western Farmers Elec Coop Inc																
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
1987	18,434	1,036	1.46	1.57	1.50	30.9	16,388	-	19,090	46	-	54	56,488	28,897	-	27,591
Western Massachusetts Elec Co																
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
1987	3,692	1,025	2.51	-	2.51	-	-	3,767	3,785	-	50	50	19,874	-	10,615	9,258
Wisconsin Electric Power Co																
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	-
1987	-	-	-	-	-	-	130,303	289	-	100	0	-	167,334	166,181	1,153	-
Wisconsin Power & Light Co																
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
1987	222	991	3.77	-	3.77	-	107,665	-	220	100	-	0	171,416	170,579	-	837
Wisconsin Public Service Corp																
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
1987	123	1,001	3.39	-	3.39	-	38,016	149	123	99	0	0	74,198	73,201	580	417
Wyandotte Municipal Serv Comm																
1986	35	1,000	-	4.23	4.23	100.0	2,431	-	35	99	-	1	4,825	4,677	-	148
1987	257	1,000	-	3.73	3.73	100.0	2,390	-	257	90	-	10	5,310	4,351	-	959

[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."

Table 52. Profile of Fossil-Fuel Receipts at Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987

Utility Year	Coal								Heavy Oil							Light Oil		
	Delivered Quantity		Average Quality			Average Price dollars per ton			Delivered Quantity		Average Quality		Average Price in Dollars per Bbl			Delivered Quantity	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		
1983	[1] 593,150	88.3	10,570	10.4	1.5	35.21	33.33	34.99	[2] 211,705	90.3	149,488	1.1	28.79	28.25	28.74	7,946	138,602	35.45
1984	[1] 684,446	85.5	10,554	10.4	1.5	35.06	35.49	35.12	[2] 193,832	92.0	149,677	1.1	30.32	29.45	30.25	8,540	138,427	35.51
1985	[1] 667,044	88.8	10,482	10.0	1.4	34.63	33.74	34.53	[2] 156,410	88.3	149,948	1.1	26.94	25.07	26.73	8,537	138,540	33.65
1986	[1] 687,323	87.5	10,545	10.0	1.4	33.51	31.80	33.29	[2] 220,585	75.2	149,821	1.1	15.43	14.14	15.11	7,936	138,664	20.62
1987	[1] 721,597	84.6	10,570	10.0	1.4	32.01	30.86	31.83	[2] 187,300	79.2	151,155	1.0	19.04	18.32	18.89	7,278	138,754	23.34

[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 Steam-Electric Plants with an Installed Nameplate Capacity of 50 Megawatts or Larger, 1983-1987

Utility Year	Natural Gas						Total Delivered Quantity						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
1983	[3] 2,732,248	1,030	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	1,035	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	1,038	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	1,034	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
1987	[3] 2,666,866	1,032	2.32	2.30	2.31	52.1	15,254,844	1,231,490	2,752,592	79	6	14	32,829,825	22,969,161	3,708,480	6,152,185

[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.

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.

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, 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, 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 Utilities Comm
Seminole Electric Coop Inc.
Tallahassee City of
Tampa Electric Co
Vero Beach City of
GEORGIA
Georgia Power Co (SC)
Savannah Electric & Power Co
HAWAII
Hawaiian Electric Co Inc.
ILLINOIS
Central Illinois Light Co
Central Illinois Pub Serv 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
Central Iowa Power Coop
Interstate Power Co
Iowa Electric Light & Power Co
Iowa Power & Light Co
Iowa Public Service Co
Iowa Southern Utilities Co
Iowa-Illinois Gas & Electric Co
Muscatine City of
KANSAS
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 Power Coop
Kentucky Power Co (AEP)
Kentucky Utilities Co
Louisville Gas & Electric Co
Owensboro City of
Tennessee Valley Authority
LOUISIANA

Alexandria City of
Cajun Electric Power Coop Inc
Central Louisiana Elec Co Inc
Gulf States Utilities Co
Lafayette City of
Louisiana Power & Light Co (MSU)
New Orleans Public Service Inc (MSU)
Ruston City of
Southwestern Electric Power Co (CSW)

MAINE

Bangor Hydro-Electric Co
Central Maine Power Co

MARYLAND

Baltimore Gas & Electric Co
Delmarva Power & Light Co Inc
Potomac Edison Co (APS)
Potomac Electric Power Co

MASSACHUSETTS

Boston Edison Co
Cambridge Electric Light Co (NEGA)
Canal Electric Co
Commonwealth Electric Co (NEGA)
Holyoke Water Power Co (NU)
Montaup Electric Co
New England Power Co (NEES)
Taunton City of
Western Massachusetts Elec Co (NU)

MICHIGAN

Consumers Power Co
Detroit Edison Co
Detroit City of
Grand Haven City of
Holland City of
Lansing City of
Marquette City of
Michigan South Central Pwr Agy
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

New England Power Co (NEES)

SOUTH CAROLINA

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

SOUTH DAKOTA

Otter Tail Power Co

TENNESSEE

Tennessee Valley Authority

TEXAS

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

UTAH

Utah Power & Light Co
Los Angelas 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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Glossary

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

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

Bcf: The abbreviation for one billion cubic feet.

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

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

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

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

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

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

Coal: A black or brownish-black solid combustible substance formed by the partial decomposition of vegetable matter without access to air. The rank of coal, which includes anthracite, bituminous coal, subbituminous coal, and lignite, is based on fixed carbon, volatile matter, and heating value. Coal rank indicates the progressive alteration, 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.

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, Federal Energy Regulatory Commission, the Executive Branch, its own independent needs, and assist the general public, or other interest groups, without taking a policy position.

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 li-

censing, natural gas pricing, oil pipeline rates, and gas pipeline certification. FERC is an independent regulatory agency within the Department of Energy.

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

FERC Form 423: The "Monthly Report of Cost and Quality of Fuels for Electric Plants," which collects data on the cost, quality, and sources of fuel. Approximately 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. Installed nameplate capacity 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, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

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

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

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

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

Mcf: One thousand cubic feet.

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

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

MMcf: 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 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 to take advantage of low fuel prices.

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

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

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

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

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

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

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

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

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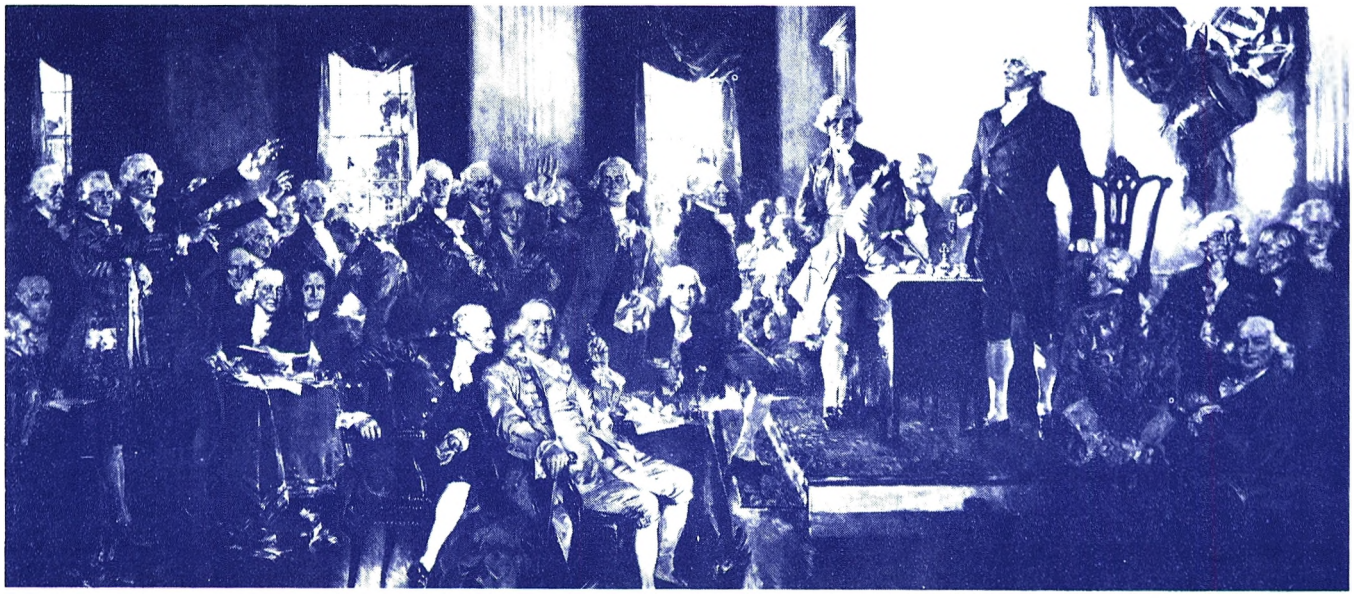

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