NOTICE

Cover Date Change

Beginning in January 1991, the Energy Information Administration is changing the cover dates on its monthly periodicals. Covers now will display the published date only. The published date will be displayed prominently on covers, title pages, and spines.

As a result of the change, there will be no cover dates of October 1990, November 1990, or December 1990 for the Electric Power Monthly (EPM), that is, the EPM dated January 1991 directly follows the EPM dated September 1990. Statistical continuity is not affected and the publication of current monthly statistics continues on the established schedule.

MASTER

Electric Power Monthly

January 1991

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

Contacts

General information about the data appearing in this document may be obtained from the National Energy Information Center (202/586-8800). Further information about this document may be obtained from Mary J. Hutzler (202/254-5420), Director of the Electric

Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration; Neal Moerschel (202/254-5640), Chief of the Electric Power Division's Data Systems Branch; or Dean Fennell (202/254-5660).

The *Electric Power Monthly* (ISSN 0732-2305) is published monthly by the Energy Information Administration, 1000 Independence Avenue, SW, Washington, DC 20585, and sells for \$66.00 per year (price subject to change without advance notice). Second-class postage paid at Washington, DC 20066-9998, and additional mailing offices. POSTMASTER, Send address changes to *Electric Power Monthly*, Energy Information Administration, EI-231, 1000 Independence Avenue, SW, Washington, DC 20585.

Preface

The *Electric Power Monthly (EPM)* presents monthly summaries of electric utility statistics at the national, Census division, and State level. The purpose of this publication is to provide energy decisionmakers with accurate and timely information that may be used in forming various perspectives on electric issues that lie ahead.

Background

The *EPM* is prepared by the Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration (EIA), Department of Energy. This publication provides monthly statistics at the national, Census division, and State levels for net generation, fuel consumption, fuel stocks, quantity and quality of fuel, cost of fuel, electricity sales, and average revenue per kilowatthour of electricity sold. Data on net generation are also displayed at the North American Electric Reliability Council (NERC) region level. Additionally, company and plant level information are published in the *EPM* on capability of new plants, net generation, fuel consumption, fuel stocks, quantity and quality of fuel, and cost of fuel.

Quantity, quality, and cost of fuel data lag the net generation, fuel consumption, fuel stocks, electricity sales, and average revenue per kilowatthour data by 1 month. This difference in reporting appears in the national, Census division, and State level tables. However, at the plant level, all statistics presented are for the earlier month for the purpose of comparison.

More information can be obtained by writing or calling the National Energy Information Center, EI-231, Forrestal Building, Washington, DC 20585, (202) 586-8800.

The data in this report are presented for a wide audience including Congress, Federal and State agencies, the electric utility industry, and the general public. The EIA collected the information in this report to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93-275) as amended.

Coverage of Sources

The *EPM* contains information from six data sources: the Form EIA-759, "Monthly Power Plant Report"; the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; the Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions"; the Form EIA-861, "Annual Electric Utility Report"; the Form EIA-860, "Annual Electric Generator Report"; and the Form IE-417R, "Electric Power System Emergency Report." A brief summary of these forms follows; a more detailed description of the forms is contained in Appendix C, "Technical Notes."

The Form EIA-759 is used to collect monthly data on net generation; consumption of coal, petroleum, and natural gas; and end-of-the-month stocks of coal and petroleum for each plant by prime mover and fuel-type combination. Data are collected from all operators of electric utility generating plants in the United States--approximately 800 (except those having plants solely on standby).

The FERC Form 423, which is a restricted-universe census, is used to collect data from steam-electric power generating plants with a combined generator nameplate capacity of 50 or more megawatts (approximately 225 electric utilities). The threshold of 50 or more megawatts was established by FERC. Data collected on the FERC Form 423 include quantity, quality, delivered price, origin, mine type, fuel type, supplier, and purchase type of all fossil fuel receipts.

The Form EIA-826 is used to collect sales and revenue data in the residential, commercial, industrial, and other sectors. Other sales data collected include public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales. Respondents to the Form EIA-826 are based on a statistically chosen sample and include over 400 privately and publicly owned electric utilities from a universe of approximately 3,250 utilities. The sample, which is evaluated annually, was designed to obtain estimates of electricity sales and revenue per kilowatthour for all U.S. electric utilities by end-use sector. These estimates are provided at the State, Census division, and national levels. Estimates of coefficients of variation, which indicate possible error due to sampling, are also published at each level.

The Form EIA-860 is used to collect data annually from all electric utilities in the United States and Puerto Rico that operate power plants or plan to operate a power plant within 10 years of the reporting year. Generator-specific information is reported by approximately 900 respondents.

The Form EIA-861 is a survey of electric utilities in the United States, its territories, and Puerto Rico. The survey is used to collect information from approximately 3,250 electric utilities. Data collected on the

Form EIA-861 include information on the production, sales, revenue from sales, and trade of electricity.

The Form IE-417R is used to collect information on major electric utility system emergencies, including the type of emergency, the utility and area affected, the date and time of the event, a description of the event, and expected time of restoration of service. The responsibility of collecting these data has been delegated to the Office of International Affairs and Energy Emergencies within the Department of Energy.

Contents

	Page
The Month In Review	1
Net Generation	9
Consumption	25
Stocks	35
Receipts/Cost	41
Sales/Average Revenue per Kilowatthour	57
Plant Aggregates: Net Generation, Fuel Consumption, Fuel Stocks	67
Plant Aggregates: Quantity, Cost, Quality of Fossil Fuels	143
Appendices	
A. Major Disturbances and Unusual Occurrences	165
B. References	175
C. Technical Notes	179
Glossary	189

Tables

	Page
1. Newly Added Units by Company, Plant, and State	5
2. U.S. Summary Statistics	6
3. U.S. Net Generation	11
4. U.S. Net Generation by Energy Source	12
5. Net Generation by NERC Region, Alaska, and Hawaii	13
6. Net Generation by Census Division and State	14
7. Coal-Fired Net Generation by Census Division and State	15
8. Petroleum-Fired Net Generation by Census Division and State	16
9. Petroleum-Fired Steam Net Generation by Census Division and State	17
10. Petroleum-Fired GT/IC Net Generation by Census Division and State	18
11. Gas-Fired Net Generation by Census Division and State	19
12. Gas-Fired Steam Net Generation by Census Division and State	20
13. Gas-Fired GT/IC Net Generation by Census Division and State	21
14. Hydroelectric Net Generation by Census Division and State	22
15. Nuclear Net Generation by Census Division and State	23
16. Other Net Generation by Census Division and State	24
17. U.S. Consumption of Fossil Fuels to Produce Electricity	27
18. Consumption of Coal to Produce Electricity by Census Division and State	28
19. Consumption of Petroleum to Produce Electricity by Census Division and State	29
20. Consumption of Petroleum to Produce Electricity at Steam-Fired Plants by Census Division and State	30
21. Consumption of Petroleum to Produce Electricity at GT/IC Plants by Census Division and State	31
22. Consumption of Gas to Produce Electricity by Census Division and State	32
23. Consumption of Gas to Produce Electricity at Steam-Fired Plants by Census Division and State	33
24. Consumption of Gas to Produce Electricity at GT/IC Plants by Census Division and State	34
25. U.S. End-of-Month Stocks of Coal and Petroleum	37
26. Stocks of Coal by Census Division and State	38
27. Stocks of Petroleum by Census Division and State	39
28. Receipts and Average Cost of Fossil Fuels	43
29. Receipts of Coal by Type, Census Division, and State	44
30. Receipts of Coal and Average Cost by Census Division and State	45
31. Receipts of Coal and Average Cost by Type of Purchase and Mining Method, Census Division, and State	46
32. Receipts of Coal and Average Cost by Sulfur Content, Census Division, and State	47
33. Receipts of Petroleum by Type, Census Division, and State	49
34. Receipts of Petroleum and Average Cost by Census Division and State	50
35. Receipts of Petroleum and Average Cost by Type of Petroleum, Census Division, and State	51
36. Receipts of Heavy Oil and Average Cost by Sulfur Content, Census Division, and State	52
37. Receipts of Gas by Type, Census Division, and State	54
38. Receipts of Gas and Average Cost by Census Division and State	55
39. Receipts of Gas and Average Cost by Type of Purchase, Census Division, and State	56
40. Sales of Electricity by Sector	59
41. Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State	60
42. Estimated Coefficients of Variation of Sales of Electricity by Census Division and State	61
43. Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State	62
44. Average Revenue per Kilowatthour by Sector	63
45. Average Revenue per Kilowatthour by Sector, Census Division, and State	64
46. Estimated Coefficients of Variation of Average Revenue per Kilowatthour by Sector, Census Division, and State	65
47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant	69
48. Quantity, Cost, and Quality of Fossil-Fuel Receipts, by Company and Plant	145
A1. Major Disturbances and Unusual Occurrences	166
C1. Average Heat Content of Fossil-Fuel Receipts	187
C2. Comparison of Preliminary Versus Revised Published Data at the National Level	188
C3. Unit-of-Measure Equivalents for Electricity	188

Illustrations

	Page
1. Net Generation by Energy Source	7
2. Year-to-Date Sales of Electricity by Sector at the National Level	7
3. Sales of Electricity by Sector at the National Level	8
4. Average Revenue per Kilowatthour by Sector at the National Level	8

The Month in Review

*Electricity is the most convenient,
clean, and accessible form of
useable energy.*

October 1990 -- Generation, Sales, Average Revenue per Kilowatthour

Generation. Total U.S. net generation of electricity in October 1990 was 225 billion kilowatthours (Table 2), 2 percent more than the amount reported during October 1989. The only energy source reporting higher levels of generation during the month compared to the corresponding period in 1989 was coal. Coal-fired plants also accounted for 57.9 percent of the total U.S. generation in October 1990 compared with 55.7 percent for the same period in 1989.

Petroleum-fired plants produced 7 billion kilowatthours of electricity, 13 percent less than the level reported during the same period in 1989, and the lowest monthly level since May 1988. The share of total U.S. generation from petroleum-fired plants was 3.2 percent compared with 3.8 percent in October 1989. This 3.2-percent level was also the lowest share of petroleum-fired generation in the 20 years for which an historical database is available. Most of the petroleum-fired plants in the Nation are located along the eastern seacoast, which accounted for 85 percent of the petroleum-fired generation in October 1990.

Generation from hydroelectric plants was 19 billion kilowatthours, 7 percent less than the level reported during the corresponding period in 1989 (Table 2). Hydroelectric plants in the Pacific Contiguous Census Division, which provided 50 percent of total U.S. hydroelectric generation during the month, reported 3 percent less production in October 1990 than during October 1989 (Table 14).

Generation from nuclear units was 43 billion kilowatthours, slightly below the level reported during October 1989. Monthly nuclear generation accounted for 19.3 percent of total U.S. generation in October 1990, compared with 19.8 percent for the same period in 1989. Nuclear units in the three largest nuclear-producing Census divisions (South Atlantic, East North Central, and Middle Atlantic) generated a combined 27 billion kilowatthours, 61 percent of total nuclear-powered generation for the Nation (Table 15).

Sales. During October 1990, sales of electricity to ultimate consumers in the United States were 222 billion kilowatthours (Table 2), 11 billion kilowatthours more than during October 1989. All end-use sectors had higher levels of sales compared with levels a year ago.

Sales of electricity during October 1990 in the residential sector were 70 billion kilowatthours (7 percent more than the level reported for the same month last year). Residential sales were the highest in the South Atlantic Census Division at 16 billion kilowatthours (Table 41), and represented 24 percent of total U.S. sales for this sector. In the commercial sector, sales were 63 billion kilowatthours, 7 percent more than a year ago. At the Census division level, commercial

sales were highest in the South Atlantic Census Division at 13 billion kilowatthours, 7 percent higher than during October 1989. Industrial sales reached 81 billion kilowatthours, 3 percent more than a year ago. The highest industrial sales for October 1990 occurred in the East North Central Census Division at 18 billion kilowatthours, 5 percent more than the level reported for the same month last year.

Average Revenue per Kilowatthour. Average revenue per kilowatthour for electricity sold to ultimate consumers in the United States during October 1990 was 6.7 cents (Table 2), representing a 3-percent decrease from September 1990. Average revenue per kilowatthour sold in the residential sector (8.1 cents) decreased by 2 percent from the September 1990 level. In the commercial sector, average revenue per kilowatthour was 7.6 cents, a 1-percent increase from September 1990. Average revenue per kilowatthour in the industrial sector was 4.8 cents, a decrease of 4 percent from September 1990.

During October 1990, the New England, Middle Atlantic, and Pacific Noncontiguous Census Divisions had the highest average revenue per kilowatthour (10.4, 10.5, and 10.5 cents, respectively) in the residential sector. In the commercial sector, at the division level, the highest average revenue per kilowatthour (10.1 cents) was in the Pacific Noncontiguous Census Division, followed by the New England and Middle Atlantic Census Divisions at 9.6 cents, each. The highest average revenue per kilowatthour in the industrial sector also occurred in the Pacific Noncontiguous Census Division at 8.0 cents, followed by the New England Census Division at 7.6 cents. The lowest average revenue per kilowatthour in the residential sector was 6.3 cents in the East South Central Census Division. The West North Central Census Division had the lowest average revenue per kilowatthour (6.2 cents) in the commercial sector. In the industrial sector, low average revenue per kilowatthour occurred in four Census divisions. They were the East South Central (4.0 cents), Mountain (4.1 cents) and the West North Central and West South Central (4.2 cents, each) Census Divisions.

September 1990 -- Fuel Receipts/Costs

Coal. Receipts of coal by electric utilities in September 1990 totaled 66 million short tons, a decrease of 5 million short tons from the August 1990 level (Table 2). This decrease in coal receipts is a normal occurrence each September, as consumption of coal at electric utilities declines from the peak demand months of July and August. Receipts of coal for the first nine months of 1990 totaled 590 million short tons, 29 million short tons more than the level during the first nine months of 1989. During September 1990, receipts of coal under contract totaled 54 million short tons, a decrease of 5 million short tons from August 1990 (Table 31). Receipts for coal purchased in the spot market were 12 million short tons, unchanged from August 1990.

The average cost of coal delivered to electric utilities in September 1990 was \$30.32 per short ton (Table 32), an increase of \$0.10 from August 1990. The average cost of coal delivered under contract in September was \$30.65 per short ton (Table 31), an increase of \$0.22 per short ton from August 1990. Coal purchased in the spot market and delivered in September 1990 averaged \$28.77 per short ton, a decrease of \$0.39 per short ton from August 1990. The heightened tension in the Middle East because of the Iraqi invasion of Kuwait is having little if any effect on coal prices. This is primarily due to an oversupply of coal available to electric utilities. The situation, however, may lead to an increase in coal consumption and receipts at some electric utilities. Electric utilities that depend on petroleum to generate electricity usually seek alternatives to using high-cost petroleum. As petroleum costs increase, it may become less expensive for these electric utilities to purchase power from coal-burning plants if transmission access is available in lieu of producing electricity with their own petroleum-fired plants.

Petroleum. The amount of petroleum received by electric utilities in September 1990 was 14 million barrels (Table 33), a decrease of 5 million barrels from August 1990. This decrease in petroleum receipts is the result

of seasonal variations in petroleum purchases by electric utilities and the substantial increase in the cost of petroleum over the last two months that has resulted from Iraq's invasion of Kuwait. The average cost of petroleum delivered to electric utilities in September 1990 was \$25.10 per barrel, an increase of \$3.28 per barrel from August 1990 and \$9.74 per barrel from July 1990.

Gas. The amount of gas received by electric utilities in September totaled 269 billion cubic feet (Table 37), a decrease of 36 billion cubic feet from the level in August 1990. Gas receipts were 29 billion cubic feet higher than those in September 1989. Seasonal variations in gas purchases by electric utilities can explain the decrease in receipts from August 1990. High petroleum costs, steady or decreasing natural gas costs, and an abundant supply of gas available to electric utilities contributed to gas receipts that were higher in September 1990 than those in September 1989. The average cost of gas delivered to electric utilities in September 1990 was \$7.20 per thousand cubic feet (Table 39), a decrease of \$0.03 per thousand cubic feet from August 1990 and \$0.13 less than during September 1989.

**Table 1. Newly Added Units by Company, Plant, and State,
January 1990 through October 1990**

Company	Plant	State	Unit Number	Net Summer Capability ¹ (megawatts)	Energy Source	Month
Iowa Electric Light & Power Co	Anamosa	IA	HC1	0.2	Water	March
Painesville City of	Painesville	OH	7	24.2	Coal	March
Public Service Company of New Hampshire	Seabrook	NH	1	1,150.0	Uranium	March
Texas-New Mexico Power Company	TNP ONE	TX	1	142.0	Coal	March
Century Power Corp	Springerville	AZ	0002	360.0	Coal	April
Texas Utilities Electric Company	Comanche Peak	TX	1	1150.0	Uranium	April
Virginia Electric & Power Co	Chesterfield	VA	7	60.2	Waste Heat	April
Virginia Electric & Power Co	Chesterfield	VA	7A	119.4	Gas	April
Virginia Electric & Power Co	Darbytown	VA	3,4	146.6	Petroleum	April
Atlantic City Electric Co	Cumberland	NJ	GT1	76.0	Petroleum	May
Iowa Power Inc	Pleasant Hill	IA	1,2	69.0	Petroleum	May
Power Authority of State of NY	Crescent	NY	NA1,NA2	6.0	Water	May
PUD No 2 of Grant County	PEC Headworks	WA	1	6.8	Water	May
Swanton Village of	Highgate Falls	VT	4	4.5	Water	May
Virginia Electric & Power Co	Darbytown	VA	1,2	146.6	Petroleum	May
Central Maine Power Co	Charles E Monty	ME	NA2	13.1	Water	June
Potomac Electric Power Co	SMECO CT	MD	1	68.9	Petroleum	June
Central Maine Power Company	Charles E Monty	ME	NA1	13.1	Water	July
Logan City of	Logan Diesel	UT	IC5A	.9	Petroleum	July
Lubbock City of	L&P Cogen Plant	TX	1	16.9	Gas	July
Pelican Utility Company	Pelican	AK	IC5	.4	Petroleum	July
Sabetha City of	Sabetha	KS	IC10	2.3	Petroleum	July
Iowa Southern Utilities Co	Grinnell	IA	1	18.8	Gas	August
Logan City of	Logan Diesel	UT	IC5B	.9	Petroleum	August
St Joseph Light & Power Co	Lake Road	MO	7	15.8	Petroleum	August
Louisville Gas & Electric Co	Trimble County	KY	1	480.0	Coal	September
Total Capability of Newly Added Units	-	-	-	4,092.5	-	-
Total Capability of Retired Units	-	-	-	986.8	-	-
U.S. Total Capability	-	-	-	687,969.9	-	-

¹ Net summer capability is estimated.

Notes: •These newly added units represent only those units that became operable in January through September 1990. There were no newly added units in October 1990. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 2. U.S. Summary Statistics

Items	October 1990 ¹	September 1990 ¹	October 1989 ¹	Year-to-Date		
				1990 ¹	1989 ¹	Percent Difference
Net Generation (Million kWh)²						
Coal	130,176	135,248	122,212	1,297,081	1,280,668	1.3
Petroleum ³	7,224	7,981	8,262	102,951	125,246	-17.8
Gas	24,381	28,190	24,524	229,480	230,609	-.5
Hydroelectric Power ⁴	18,603	16,969	20,076	235,949	222,052	6.3
Nuclear Power	43,395	48,405	43,558	480,168	435,172	10.3
Other Sources ⁵	905	875	956	8,866	9,410	-5.8
Total	224,686	237,668	219,587	2,354,495	2,303,158	2.2
Consumption						
Coal (1,000 short tons)	64,264	66,943	60,541	641,981	632,657	1.5
Petroleum (1,000 barrels) ⁶	11,957	13,354	13,987	172,456	210,434	-18.0
Gas (1,000 Mcf)	256,481	299,595	252,494	2,416,371	2,410,546	.2
Stocks (end-of-month)						
Coal (1,000 short tons)	154,857	149,120	142,270	-	-	-
Petroleum (1,000 barrels) ⁷	77,910	75,873	71,750	-	-	-
Sales (Million kWh)⁸						
Residential	69,516	85,329	65,136	776,535	753,530	3.1
Commercial	63,279	69,210	59,352	633,101	607,512	4.2
Industrial	81,427	80,723	79,421	784,005	773,151	1.4
Other ⁹	7,795	8,005	7,592	78,823	75,895	3.9
Total	222,016	243,268	211,500	2,272,464	2,210,089	2.8
Average Revenue per Kilowatthour (Cents)¹⁰						
Residential	8.06	8.19	7.87	7.88	7.69	2.5
Commercial	7.58	7.50	7.49	7.35	7.26	1.2
Industrial	4.80	4.98	4.70	4.77	4.72	1.1
Other ¹¹	6.28	6.46	6.54	6.18	6.12	1.0
Total	6.67	6.87	6.51	6.60	6.46	2.2

	September 1990 ¹¹	August 1990 ¹¹	September 1989 ¹¹	Year-to-Date		
				1990 ¹¹	1989 ¹¹	Percent Difference
Receipts¹²						
Coal (1,000 short tons)	65,726	70,571	64,539	589,611	560,554	5.2
Petroleum (1,000 barrels) ¹³	13,968	19,320	15,609	166,812	188,285	-11.4
Gas (1,000 Mcf) ¹⁴	268,756	304,424	239,696	1,942,991	1,931,753	.6
Cost (cents/million Btu)¹⁵						
Coal	144.6	144.5	146.0	145.7	144.6	.7
Petroleum ¹⁶	397.5	346.2	270.6	312.0	279.4	11.7
Gas ¹⁴	214.2	215.9	225.4	224.1	231.8	-3.3

¹ Values for net generation, consumption, stocks for 1989 are revised and for 1990 are preliminary; 1989 and 1990 values for sales and average revenue per kilowatthour have been revised; for further information, see the technical notes. Note that 1990 data, however, are still considered preliminary.

² Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

³ Petroleum coke is included in petroleum.

⁴ Station losses include energy used for pumped storage. Energy used as of October 1990 for pumping was 1,892 million kilowatthours.

⁵ Other energy sources include geothermal, wood, wind, waste, and solar.

⁶ The October 1990 petroleum coke consumption was 86,134 short tons.

⁷ The October 1990 petroleum coke stocks were 83,392 short tons.

⁸ Beginning with January 1986, monthly electricity sales estimates with new expansion factors are based on a statistically derived sample of both publicly and privately owned electric utilities from data reported on Form EIA-861, "Annual Electric Utility Report." Figures for electricity sales and net generation may not correspond exactly for a particular month. Data on net generation represent a calendar month whereas data on sales represent the utilities' billing cycles, which can vary from 28 to 33 days and which frequently do not correspond exactly to a calendar month. Totals may not equal sum of components because of independent rounding and estimation procedures.

⁹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

¹⁰ Beginning with January 1986, monthly national average revenue per kilowatthour estimates are based on a statistically derived sample of both publicly and privately owned electric utilities from data reported on Form EIA-861, "Annual Electric Utility Report." See the technical notes for an explanation of the change in sample design beginning with January 1990 data.

¹¹ Data for 1989 are revised and final. Data for 1990 are preliminary.

¹² Includes Alaska and Hawaii.

¹³ The September 1990 petroleum coke receipts were 33,000 short tons.

¹⁴ Includes small amounts of coke-oven, refinery, and blast-furnace gas.

¹⁵ Average cost of fuel delivered to steam-electric plants with a generator nameplate capacity of 50 or more megawatts. Includes Alaska and Hawaii. Cost values are weighted averages.

¹⁶ September 1990 petroleum coke cost was 81.2 cents per million Btu.

Notes: *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding.

*kWh=kilowatthours, and Mcf=thousand cubic feet.

Sources: *Energy Information Administration, Form EIA-759, "Monthly Power Plant Report." *Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." *Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," and predecessor forms.

Figure 1. Net Generation by Energy Source

Note: Other energy sources include geothermal, wood, wind, waste, and solar. Data for 1990 are preliminary.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Figure 2. Year-to-Date Sales of Electricity by Sector at the National Level

January - October 1990 :
2,272,464 Million Kilowatthours

January - October 1989 :
2,210,089 Million Kilowatthours

Notes: Other includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales. Sum of components may not add to 100 percent due to independent rounding. Data for 1989 are revised; 1990 data are preliminary.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Figure 3. Sales of Electricity by Sector at the National Level

Note: Other sales of electricity accounted for less than 4 percent of total sales in October 1990. Data for 1988 and 1989 are revised; 1990 data are preliminary.
Source: Energy Information Administration, Form EIA-826, 'Monthly Electric Utility Sales and Revenue Report with State Distributions.'

Figure 4. Average Revenue per Kilowatthour by Sector at the National Level

Notes: Total represents average revenue per kilowatthour across all sectors, including other sales, which represented less than 4 percent of total sales in October 1990. Data for 1988 and 1989 are revised; 1990 data are preliminary.
Source: Energy Information Administration, Form EIA-826, 'Monthly Electric Utility Sales and Revenue Report with State Distributions.'

Net Generation

*These power lines are part of
America's network that supplies
electricity for the United States.*

Table 3. U.S. Net Generation

Year and Month	Total Generation (Million Kilowatthours)	Percent of Total Generation					
		Coal ¹	Petroleum ²	Gas	Hydroelectric	Nuclear	Other ³
1989⁴							
January	232,396	58.1	6.6	6.0	9.0	19.9	0.4
February	219,711	57.9	8.1	7.5	8.5	17.6	.4
March	226,580	55.9	7.4	8.8	10.0	17.5	.4
April	207,749	55.5	5.6	10.8	11.6	16.1	.4
May	219,820	54.1	4.5	10.7	12.8	17.4	.4
June	235,394	54.6	5.3	10.4	11.0	18.3	.4
July	256,737	53.9	4.7	11.8	8.8	20.4	.4
August	258,336	54.9	4.3	11.4	7.8	21.3	.4
September	226,848	55.9	4.4	11.2	8.3	19.8	.4
October	219,587	55.7	3.8	11.2	9.1	19.8	.4
November	218,980	56.7	5.2	8.2	9.7	19.8	.4
December	259,637	56.8	8.4	6.3	8.4	19.6	.4
1989 Total	2,780,775	55.8	5.7	9.5	9.5	19.0	.4
1990⁵							
January	237,047	55.9	4.9	5.7	9.9	23.3	.4
February	212,717	54.5	4.4	5.9	11.4	23.5	.4
March	225,716	54.5	4.5	7.8	12.4	20.4	.4
April	210,796	55.6	4.8	8.9	12.0	18.3	.4
May	222,563	53.8	4.2	10.2	12.1	19.3	.4
June	248,895	53.2	5.4	11.3	11.1	18.6	.4
July	266,220	54.2	4.8	11.6	8.9	20.2	.3
August	268,186	54.8	4.1	12.1	7.8	20.8	.3
September	237,668	56.9	3.4	11.9	7.1	20.4	.4
October	224,686	57.9	3.2	10.9	8.3	19.3	.4
Year to Date							
1990⁵	2,354,495	55.1	4.4	9.7	10.0	20.4	.4
1989⁴	2,303,158	55.6	5.4	10.0	9.6	18.9	.4

¹ Includes lignite, bituminous coal, subbituminous coal, and anthracite.

² Includes fuel oil Nos. 2, 4, 5, and 6, crude oil, kerosene, and petroleum coke.

³ Other energy sources include geothermal, wood, wind, waste, and solar.

⁴ Data for 1989 are revised.

⁵ Data for 1990 are preliminary.

Notes: *Totals may not equal sum of components because of independent rounding. *Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Harris Station is Central Maine Power's largest hydroelectric plant.

Table 4. U.S. Net Generation by Energy Source
(Million Kilowatthours)

Year and Month	Total Generation	Coal ¹	Petroleum ²	Gas	Hydroelectric ³	Nuclear	Other ⁴
1980	2,286,439	1,161,562	245,994	346,240	276,021	251,118	5,506
1981	2,294,812	1,203,203	206,421	345,777	260,684	272,674	6,054
1982	2,241,211	1,192,004	146,797	305,260	309,213	282,773	5,164
1983	2,310,285	1,259,424	144,499	274,098	332,130	293,677	6,456
1984	2,416,304	1,341,681	119,808	297,394	321,150	327,634	8,638
1985	2,468,841	1,402,128	100,202	291,946	281,149	383,691	10,724
1986	2,487,310	1,385,831	136,585	248,508	290,844	414,038	11,503
1987	2,572,127	1,463,781	118,493	272,621	249,695	455,270	12,267
1988	2,704,250	1,540,653	148,900	252,801	222,940	526,973	11,984
1989 ⁵							
January	232,396	134,968	15,333	13,876	20,930	46,328	961
February	219,711	127,194	17,748	16,550	18,620	38,725	874
March	226,580	126,706	16,668	19,928	22,642	39,636	1,000
April	207,749	115,271	11,569	22,451	24,077	33,495	886
May	219,820	118,956	9,940	23,595	28,049	38,339	942
June	235,394	128,454	12,591	24,546	25,881	42,976	945
July	256,737	138,467	12,081	30,211	22,670	52,331	977
August	258,336	141,710	10,983	29,548	20,187	54,948	959
September	226,848	126,730	10,072	25,381	18,919	44,837	909
October	219,587	122,212	8,262	24,524	20,076	43,558	956
November	218,980	124,154	11,343	17,971	21,186	43,399	927
December	258,637	147,030	21,652	16,377	21,823	50,784	972
1989 Total	2,780,775	1,551,852	158,241	264,957	265,061	529,355	11,309
1990 ⁶							
January	237,047	132,496	11,515	13,548	23,436	55,119	933
February	212,717	115,898	9,385	12,449	24,162	49,963	861
March	225,716	122,958	10,167	17,509	28,048	46,087	947
April	210,796	117,111	10,142	18,862	25,393	38,516	773
May	222,563	119,644	9,351	22,752	27,002	42,945	868
June	248,895	132,459	13,348	28,238	27,634	46,332	882
July	266,220	144,232	12,815	30,965	23,656	53,645	907
August	268,186	146,858	11,021	32,584	21,046	55,761	915
September	237,668	135,248	7,981	28,190	16,969	48,405	875
October	224,686	130,176	7,224	24,381	18,603	43,395	905
Year to Date							
1990 ⁶	2,354,495	1,297,081	102,951	229,460	235,949	480,168	8,866
1989 ⁵	2,303,158	1,280,668	125,246	230,609	222,052	435,172	9,410

¹ Includes lignite, bituminous coal, subbituminous coal, and anthracite.

² Includes fuel oil Nos. 2, 4, 5, and 6, crude oil, kerosene, and petroleum coke.

³ Station losses include energy used for pumped storage. Energy used as of October 1990 was 1,892 million kilowatthours.

⁴ Other energy sources include geothermal, wood, wind, waste, and solar.

⁵ Data for 1989 are revised.

⁶ Data for 1990 are preliminary.

Notes: •Totals may not equal sum of components because of independent rounding. •Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 5. Net Generation by NERC Region, Alaska, and Hawaii
(Million Kilowatthours)

NERC Region, Alaska, and Hawaii	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date		
				1990 ¹	1989 ²	Percent Difference
ECAR	39,155	39,415	38,394	403,270	393,405	2.5
ERCOT	15,183	17,961	14,417	161,103	156,340	3.0
MAAC	15,716	15,293	14,174	161,348	158,609	1.7
MAIN	15,634	17,002	15,956	167,836	165,375	1.5
MAPP (U.S.)	11,112	11,270	10,778	114,877	110,841	3.6
NPCC (U.S.)	17,814	17,848	18,519	191,860	192,062	-.1
SERC	48,651	53,480	46,671	508,773	497,201	2.3
SPP	20,053	23,785	19,222	217,896	209,035	4.2
WSCC (U.S.)	40,290	40,593	39,387	417,239	410,118	1.7
Contiguous U.S.	223,610	236,648	218,517	2,344,203	2,292,985	2.2
Alaska	380	336	370	3,628	3,559	1.9
Hawaii	696	684	699	6,664	6,614	.8
Total	224,686	237,668	219,587	2,354,495	2,303,158	2.2

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

Notes: •Beginning in January 1987, NERC region totals are aggregates for the individual electric utility members of the regional reliability councils, their associates, and member utilities. •Prior to January 1987, NERC region totals were aggregates defined by the physical location of the power plants generating electricity. •Totals may not equal sum of components because of independent rounding. •See Glossary for explanation of acronyms. •Percent difference is calculated before rounding. •Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 6. Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date		
				1990 ¹	1989 ²	Percent Difference
New England	7,267	7,141	7,743	78,260	79,290	-1.3
Connecticut	2,075	2,421	2,600	26,564	28,169	-5.7
Maine	577	788	911	7,580	9,631	-21.3
Massachusetts	2,812	2,507	3,214	31,030	31,334	-1.0
New Hampshire	1,443	1,272	495	8,503	6,012	41.4
Rhode Island	76	83	45	564	362	55.7
Vermont	285	69	479	4,020	3,783	6.3
Middle Atlantic	26,251	26,339	25,645	277,582	266,413	4.2
New Jersey	3,916	3,476	2,737	30,137	34,093	-11.6
New York	10,019	10,269	10,157	107,943	107,334	.6
Pennsylvania	12,316	12,593	12,751	139,502	124,986	11.6
East North Central	39,298	40,065	39,785	407,893	399,501	2.1
Illinois	10,207	10,918	9,913	105,974	105,027	.9
Indiana	8,150	8,092	7,650	82,420	72,214	14.1
Michigan	6,337	7,035	7,772	76,064	76,173	-.1
Ohio	10,733	10,121	10,849	105,391	109,458	-3.7
Wisconsin	3,870	3,899	3,600	37,844	36,628	3.3
West North Central	16,805	17,980	17,061	179,898	176,435	1.8
Iowa	2,453	2,323	1,892	24,075	23,611	2.0
Kansas	2,904	3,121	2,521	28,369	28,390	-.1
Minnesota	3,308	3,100	3,364	32,589	31,601	3.1
Missouri	4,305	5,032	4,954	49,164	49,088	.2
Nebraska	1,348	1,812	1,901	17,889	17,000	5.2
North Dakota	1,999	1,912	1,940	22,051	20,636	6.9
South Dakota	488	680	489	5,560	6,110	-9.0
South Atlantic	43,837	47,212	41,669	449,728	448,450	.3
Delaware	570	557	542	6,086	6,923	-12.1
District of Columbia	1	25	24	346	536	-35.4
Florida	10,957	12,210	10,380	105,957	104,493	1.4
Georgia	7,951	8,940	7,147	81,951	77,566	5.7
Maryland	2,728	2,451	2,272	25,841	30,272	-14.6
North Carolina	6,316	7,420	6,256	68,427	71,735	-4.6
South Carolina	5,552	5,258	5,303	57,527	55,970	2.8
Virginia	3,471	3,682	3,308	39,914	34,315	16.3
West Virginia	6,291	6,669	6,437	63,679	66,641	-4.4
East South Central	19,407	21,257	18,587	208,450	200,173	4.1
Alabama	6,282	6,765	5,705	64,810	63,716	1.7
Kentucky	5,868	6,156	5,119	62,048	57,930	7.1
Mississippi	1,494	2,305	1,867	20,657	17,685	16.8
Tennessee	5,762	6,031	5,896	60,936	60,842	.2
West South Central	29,571	35,207	27,896	318,061	306,168	3.9
Arkansas	2,981	3,543	2,628	31,513	27,719	13.7
Louisiana	4,659	5,626	4,000	48,950	45,361	7.9
Oklahoma	3,177	4,035	3,394	38,279	37,117	3.1
Texas	18,754	22,003	17,874	199,319	195,970	1.7
Mountain	21,087	21,695	19,374	204,461	196,092	4.3
Arizona	5,691	5,853	4,035	51,235	45,040	13.8
Colorado	2,437	2,481	2,670	26,012	26,788	-2.9
Idaho	546	804	573	7,247	7,781	-6.9
Montana	2,486	2,095	2,359	20,962	20,886	-.1
Nevada	1,362	1,957	1,299	15,595	16,932	-7.9
New Mexico	2,355	2,305	2,407	24,184	23,510	2.9
Utah	2,655	2,721	2,880	26,822	25,494	5.2
Wyoming	3,555	3,479	3,150	32,404	29,560	9.6
Pacific Contiguous	20,087	19,752	20,757	220,270	220,463	-.1
California	9,924	10,684	10,825	98,297	112,371	-12.5
Oregon	3,513	3,194	3,209	39,408	37,058	6.3
Washington	6,650	5,874	6,723	82,566	71,034	16.2
Pacific Noncontiguous	1,076	1,020	1,069	10,292	10,173	1.2
Alaska	380	336	370	3,628	3,559	1.9
Hawaii	696	684	699	6,664	6,614	.8
Total	224,686	237,668	219,587	2,354,495	2,303,158	2.2

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 7. Coal-Fired Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date				
				Coal Generation			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ²
New England	1,377	1,598	1,538	13,451	14,013	-4.0	17.2	17.7
Connecticut	73	210	169	1,928	1,678	14.9	7.3	6.0
Maine	-	-	-	-	-	-	-	-
Massachusetts	973	1,086	1,084	9,191	9,716	-5.4	29.6	31.0
New Hampshire	331	302	284	2,332	2,619	-10.9	27.4	43.6
Rhode Island	-	-	-	-	-	NM	-	-
Vermont	-	-	-	-	-	-	-	-
Middle Atlantic	10,454	11,084	11,533	112,361	114,195	-1.6	40.5	42.9
New Jersey	546	561	837	6,119	7,229	-15.4	20.3	21.2
New York	1,798	2,196	1,899	20,723	20,612	.5	19.2	19.2
Pennsylvania	8,111	8,328	8,706	85,519	86,354	-1.0	61.3	69.1
East North Central	30,389	29,379	30,013	302,428	293,407	3.1	74.2	73.4
Illinois	4,323	4,214	4,271	45,209	40,777	10.9	42.7	38.8
Indiana	7,949	7,964	7,551	80,984	71,242	13.7	98.3	98.7
Michigan	5,282	5,267	6,132	54,235	56,175	-3.5	71.3	73.7
Ohio	10,003	9,365	9,299	95,252	99,049	-3.8	90.4	90.5
Wisconsin	2,832	2,568	2,759	26,748	26,164	2.2	70.7	71.4
West North Central	12,981	13,540	12,753	135,032	132,002	2.3	75.1	74.8
Iowa	2,098	2,084	1,738	20,779	20,188	2.9	86.3	85.5
Kansas	1,840	2,021	1,636	20,026	18,933	5.8	70.6	66.7
Minnesota	2,130	2,146	2,488	21,185	21,301	-5	65.0	67.4
Missouri	4,246	4,382	4,027	39,800	41,285	-3.6	81.0	84.1
Nebraska	607	837	899	10,694	9,318	14.8	59.8	54.8
North Dakota	1,908	1,818	1,842	20,565	19,039	8.0	93.3	92.3
South Dakota	152	252	124	1,983	1,939	2.3	35.7	31.7
South Atlantic	27,417	29,896	23,542	268,773	274,693	-2.2	59.8	61.3
Delaware	478	435	269	4,058	4,071	-3	66.7	58.8
District of Columbia	-	-	-	-	-	-	-	-
Florida	4,946	5,342	4,864	49,986	49,865	.2	47.2	47.7
Georgia	5,876	6,654	4,794	57,129	53,880	6.0	69.7	69.5
Maryland	1,679	1,935	1,681	19,382	19,847	-2.3	75.0	65.6
North Carolina	4,393	4,940	3,060	39,010	41,063	-5.0	57.0	57.2
South Carolina	1,749	1,982	1,407	19,357	20,136	-3.9	33.6	36.0
Virginia	2,064	1,974	1,088	16,776	19,822	-15.4	42.0	57.8
West Virginia	6,232	6,634	6,378	63,075	66,009	-4.4	99.1	99.1
East South Central	16,077	16,733	12,347	153,423	143,350	7.0	73.6	71.6
Alabama	4,963	5,166	3,876	44,515	43,348	2.7	68.7	68.0
Kentucky	5,627	5,933	4,702	59,366	54,251	9.4	95.7	93.6
Mississippi	801	989	651	8,399	7,471	12.4	40.7	42.2
Tennessee	4,687	4,645	3,118	41,143	38,280	7.5	67.5	62.9
West South Central	14,771	16,050	13,753	149,743	149,179	.4	47.1	48.7
Arkansas	1,926	1,848	1,809	15,719	14,672	7.1	48.9	52.9
Louisiana	1,579	1,723	1,324	14,357	15,760	-8.9	29.3	34.7
Oklahoma	1,719	2,168	1,877	20,591	19,629	4.9	53.8	52.9
Texas	9,547	10,310	8,744	99,075	99,118	*	49.7	50.6
Mountain	15,537	16,062	15,833	155,090	152,268	1.9	75.9	77.7
Arizona	2,488	2,749	2,788	27,013	26,971	.2	52.7	59.9
Colorado	2,314	2,339	2,478	24,533	24,284	1.0	94.3	90.7
Idaho	-	-	-	-	-	-	-	-
Montana	1,440	1,294	1,505	11,903	13,164	-9.6	56.8	62.7
Nevada	1,020	1,549	996	11,890	13,129	-9.4	76.2	77.5
New Mexico	2,161	2,041	2,128	21,779	21,032	3.6	90.1	89.5
Utah	2,591	2,664	2,822	26,195	24,791	5.7	97.7	97.2
Wyoming	3,523	3,427	3,114	31,777	28,898	10.0	98.1	97.8
Pacific Contiguous	1,144	879	877	6,513	7,310	-11.0	3.0	3.3
California	-	-	-	-	-	-	-	-
Oregon	251	181	-	499	440	13.5	1.3	1.2
Washington	893	698	877	6,014	6,879	-12.6	7.3	9.7
Pacific Noncontiguous	29	27	24	267	242	10.1	2.6	2.4
Alaska	29	27	24	267	242	10.1	7.4	6.8
Hawaii	-	-	-	-	-	-	-	-
Total	130,176	135,248	122,212	1,297,081	1,280,668	1.3	55.1	55.6

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NM = Percent difference calculation not meaningful.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 8. Petroleum-Fired Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date				
				Petroleum Generation			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ²
New England	1,388	1,357	2,043	25,098	28,946	-13.3	32.1	36.5
Connecticut	476	446	670	7,825	9,084	-13.9	29.5	32.2
Maine	48	37	249	2,027	2,337	-13.3	26.7	24.3
Massachusetts	659	725	985	12,960	14,819	-12.5	41.8	47.3
New Hampshire	203	146	126	2,141	2,490	-14.0	25.2	41.4
Rhode Island	2	2	13	143	204	-29.8	25.4	56.4
Vermont	.	.	.	2	12	-81.3	.1	.3
Middle Atlantic	1,784	2,176	2,753	33,900	43,037	-21.2	12.2	16.2
New Jersey	64	81	101	1,725	4,203	-59.0	5.7	12.3
New York	1,603	1,859	2,398	28,508	32,504	-12.3	26.4	30.3
Pennsylvania	117	236	253	3,667	6,330	-42.1	2.6	5.1
East North Central	187	262	127	1,821	1,916	-5.0	.4	.5
Illinois	10	73	7	387	209	85.5	.4	.2
Indiana	65	46	32	541	329	64.3	.7	.5
Michigan	79	110	60	609	991	-38.6	.8	1.3
Ohio	30	21	24	241	339	-28.8	.2	.3
Wisconsin	3	12	4	44	49	-10.4	.1	.1
West North Central	63	67	48	510	603	-15.4	.3	.3
Iowa	2	8	3	22	30	-26.0	.1	.1
Kansas	2	6	6	58	60	-3.7	.2	.2
Minnesota	47	53	28	355	347	2.1	1.1	1.1
Missouri	6	13	7	42	77	-45.7	.1	.2
Nebraska	1	2	1	10	48	-79.1	.1	.3
North Dakota	3	3	3	17	32	-47.5	.1	.2
South Dakota	.	2	.	6	8	-20.2	.1	.1
South Atlantic	2,969	3,102	2,442	29,503	34,870	-15.4	6.6	7.8
Delaware	47	58	179	1,374	2,101	-34.6	22.6	30.3
District of Columbia	1	25	24	346	536	-35.4	100.0	100.0
Florida	2,555	2,667	1,960	23,068	23,484	-1.8	21.8	22.5
Georgia	13	19	9	151	92	64.3	.2	.1
Maryland	140	221	216	3,007	4,590	-34.5	11.6	15.2
North Carolina	12	17	14	161	195	-17.5	.2	.3
South Carolina	16	5	6	61	82	-25.7	.1	.1
Virginia	161	75	10	1,113	3,574	-68.9	2.8	10.4
West Virginia	25	16	24	223	218	2.7	.4	.3
East South Central	32	152	19	983	847	16.1	.5	.4
Alabama	9	11	8	76	79	-4.7	.1	.1
Kentucky	12	9	7	49	91	-46.5	.1	.2
Mississippi	3	108	-1	748	578	29.4	3.6	3.3
Tennessee	8	23	5	111	99	12.6	.2	.2
West South Central	55	61	53	452	1,677	-73.1	.1	.5
Arkansas	4	6	2	56	97	-41.9	.2	.4
Louisiana	5	34	34	115	131	-12.1	.2	.3
Oklahoma	1	2	2	24	21	12.7	.1	.1
Texas	46	19	14	257	1,428	-82.0	.1	.7
Mountain	23	36	31	406	662	-38.7	.2	.3
Arizona	2	13	15	92	146	-37.2	.2	.3
Colorado	1	2	2	22	24	-5.7	.1	.1
Idaho	.	.	.	.	2	NM	.	.
Montana	3	4	2	24	25	-5.0	.1	.1
Nevada	7	7	2	166	344	-51.9	1.1	2.0
New Mexico	3	2	2	25	29	-14.8	.1	.1
Utah	4	5	3	39	40	-2.0	.1	.2
Wyoming	4	4	5	38	52	-26.5	.1	.2
Pacific Contiguous	10	47	28	3,364	5,802	-42.0	1.5	2.6
California	9	45	27	3,350	5,684	-41.1	3.4	5.1
Oregon	.	1	.	4	35	-88.7	.	.1
Washington	.	2	1	11	83	-87.2	.	.1
Pacific Noncontiguous	713	700	719	6,913	6,885	.4	67.2	67.7
Alaska	19	18	23	274	312	-12.2	7.6	8.8
Hawaii	694	682	695	6,639	6,573	1.0	99.6	99.4
Total	7,224	7,981	8,282	102,951	125,246	-17.8	4.4	5.4

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

. = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NM = Percent difference calculation not meaningful.

Notes: *Negative generation denotes that electric power consumed for plant use exceeds gross generation. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. *Includes fuel oil Nos. 2, 4, 5, and 6, crude oil, kerosene, and petroleum coke. *Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 9. Petroleum-Fired Steam Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ¹	Year-to-Date				
				Petroleum (Steam)			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ¹
New England	1,373	1,343	2,012	24,867	28,311	-12.2	31.8	35.7
Connecticut	475	445	669	7,814	9,042	-13.6	29.4	32.1
Maine	48	37	248	2,027	2,328	-12.9	26.7	24.2
Massachusetts	646	714	957	12,751	14,274	-10.7	41.1	45.6
New Hampshire	203	146	126	2,138	2,477	-13.7	25.1	41.2
Rhode Island	1	1	12	135	189	-28.6	24.0	52.3
Vermont	.	.	.	1	1	-13.6	.	.
Middle Atlantic	1,717	2,117	2,699	33,172	41,172	-19.4	12.0	15.5
New Jersey	54	60	92	1,540	3,594	-57.1	5.1	10.5
New York	1,558	1,840	2,360	28,158	31,668	-11.1	26.1	29.5
Pennsylvania	105	217	247	3,474	5,909	-41.2	2.5	4.7
East North Central	185	248	124	1,758	1,842	-4.5	.4	.5
Illinois	10	71	7	371	198	87.8	.4	.2
Indiana	65	45	30	535	325	64.5	.6	.5
Michigan	79	109	60	596	966	-38.2	.8	1.3
Ohio	29	18	23	229	321	-28.7	.2	.3
Wisconsin	3	3	3	27	32	-15.7	.1	.1
West North Central	61	57	46	478	545	-12.4	.3	.3
Iowa	2	2	2	24	23	5.8	.1	.1
Kansas	1	1	5	33	36	-8.9	.1	.1
Minnesota	47	46	28	342	344	-.5	1.1	1.1
Missouri	6	5	7	55	68	-18.2	.1	.1
Nebraska	1	1	1	5	38	-86.8	.	.2
North Dakota	3	2	3	16	32	-49.7	.1	.2
South Dakota	.	.	.	2	5	-61.6	.	.1
South Atlantic	2,857	2,965	2,373	28,479	33,667	-15.4	6.3	7.5
Delaware	45	57	179	1,363	2,074	-34.3	22.4	30.0
District of Columbia	-1	22	24	328	487	-32.8	94.7	91.0
Florida	2,474	2,587	1,902	22,434	22,848	-1.8	21.2	21.9
Georgia	7	10	6	115	80	44.6	.1	.1
Maryland	132	206	212	2,869	4,295	-33.2	11.1	14.2
North Carolina	11	13	14	142	140	1.8	.2	.2
South Carolina	15	3	6	56	54	3.4	.1	.1
Virginia	149	51	6	948	3,471	-72.7	2.4	10.1
West Virginia	25	16	24	223	217	2.8	.4	.3
East South Central	31	140	19	1,005	828	21.6	.5	.4
Alabama	8	11	8	76	77	-1.8	.1	.1
Kentucky	12	9	7	90	91	-1.5	.1	.2
Mississippi	3	107	-1	747	577	29.5	3.6	3.3
Tennessee	8	12	6	92	81	13.4	.2	.1
West South Central	54	57	52	417	1,597	-73.9	.1	.5
Arkansas	3	6	2	52	91	-43.5	.2	.3
Louisiana	5	34	34	115	131	-12.1	.2	.3
Oklahoma	1	2	2	21	18	15.5	.1	.
Texas	44	16	13	230	1,357	-83.1	.1	.7
Mountain	23	33	31	380	616	-38.3	.2	.3
Arizona	2	11	15	81	125	-35.4	.2	.3
Colorado	1	1	2	21	17	27.8	.1	.1
Idaho	.	.	.	.	.	.	.	.
Montana	3	4	2	24	25	-4.4	.1	.1
Nevada	6	7	3	151	332	-54.4	1.0	2.0
New Mexico	3	2	1	24	29	-15.8	.1	.1
Utah	4	5	3	36	36	-.9	.1	.1
Wyoming	4	4	5	43	52	-18.1	.1	.2
Pacific Contiguous	6	42	19	3,298	5,688	-42.0	1.5	2.6
California	6	40	18	3,286	5,614	-41.5	3.3	5.0
Oregon	.	1	.	3	4	-30.1	.	.
Washington	.	2	1	10	70	-86.2	.	.1
Pacific Noncontiguous	627	615	632	5,951	5,997	-.8	57.8	58.9
Alaska	.	.	.	.	.	NM	.	.
Hawaii	627	615	632	5,951	5,996	-.8	89.3	90.7
Total	6,933	7,616	8,006	99,806	120,260	-17.0	4.2	5.2

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

. = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NM = Percent difference calculation not meaningful.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Includes fuel oil Nos. 2, 4, 5, and 6, crude oil, and kerosene.

•Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 10. Petroleum-Fired GT/IC Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date				
				Petroleum (GT/IC)			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ²
New England	15	14	31	232	635	-63.5	0.3	0.8
Connecticut	1	1	1	11	43	-75.4	.	.2
Maine	.	.	1	.	9	NM	.	.1
Massachusetts	13	11	28	209	545	-61.7	.7	1.7
New Hampshire	.	.	.	3	12	-78.0	.	.2
Rhode Island	1	1	1	8	15	-46.1	1.4	4.1
Vermont	.	.	.	2	12	-85.2	.	.3
Middle Atlantic	67	59	54	728	1,866	-61.0	.3	.7
New Jersey	10	21	10	185	609	-69.7	.6	1.8
New York	45	18	38	350	835	-58.1	.3	.8
Pennsylvania	12	19	6	193	421	-54.0	.1	.3
East North Central	2	16	3	63	74	-15.6	.	.
Illinois	.	3	.	16	11	45.5	.	.
Indiana	.	.	1	6	4	49.5	.	.
Michigan	.	1	.	12	25	-51.5	.	.
Ohio	1	3	1	12	18	-31.2	.	.
Wisconsin	.	9	1	17	17	.	.	.
West North Central	2	30	2	32	58	-44.2	.	.
Iowa	.	7	.	-2	7	NM	.	.
Kansas	1	5	1	24	23	4.3	.1	.1
Minnesota	.	7	.	12	4	246.3	.	.
Missouri	.	8	.	-13	10	NM	.	.
Nebraska	.	1	.	5	10	-51.0	.	.1
North Dakota	1	.	.	1	.	NM	.	.
South Dakota	.	2	.	5	3	44.9	.1	.1
South Atlantic	112	137	69	1,023	1,204	-15.0	.2	.3
Delaware	2	1	.	11	27	-58.4	.2	.4
District of Columbia	2	2	.	18	48	-62.2	5.3	9.0
Florida	80	80	59	633	636	-.4	.6	.6
Georgia	6	9	2	35	12	195.7	.	.
Maryland	8	15	4	138	295	-53.4	.5	1.0
North Carolina	2	4	.	18	55	-66.7	.	.1
South Carolina	1	2	.	5	28	-83.2	.	.
Virginia	12	24	4	164	103	59.5	.4	.3
West Virginia	.	.	.	.	.	NM	.	.
East South Central	1	12	.	-21	21	NM	.	.
Alabama	.	.	.	.	2	NM	.	.
Kentucky	.	.	.	-41	.	NM	-.1	.
Mississippi	.	.	.	1	1	-23.2	.	.
Tennessee	1	11	-1	19	18	8.9	.	.
West South Central	2	4	1	34	80	-56.9	.	.
Arkansas	1	.	.	5	6	-16.3	.	.
Louisiana	.	.	.	.	.	NM	.	.
Oklahoma	.	.	.	3	3	-5.8	.	.
Texas	1	3	1	27	71	-62.3	.	.
Mountain	.	3	.	26	46	-43.4	.	.
Arizona	.	2	.	11	20	-48.0	.	.
Colorado	.	.	.	1	7	-84.1	.	.
Idaho	.	.	.	.	2	NM	.	.
Montana	.	.	.	.	.	NM	.	.
Nevada	.	.	.	14	12	15.6	.1	.1
New Mexico	.	.	.	1	1	19.5	.	.
Utah	.	.	.	3	4	-13.8	.	.
Wyoming	.	.	.	-4	.	NM	.	.
Pacific Contiguous	3	6	9	66	114	-42.0	.	.1
California	3	5	9	64	69	-7.8	.1	.1
Oregon	.	.	.	1	31	-96.4	.	.1
Washington	.	.	.	1	14	-92.2	.	.
Pacific	.	.	.	.	.	.	.	.
Noncontiguous	86	86	86	961	888	8.2	9.3	8.7
Alaska	19	18	23	274	312	-12.1	7.6	8.8
Hawaii	67	67	63	687	577	19.2	10.3	8.7
Total	291	365	256	3,145	4,986	-36.9	.1	.2

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

. = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NM = Percent difference calculation not meaningful.

Notes: •GT/IC=Gas Turbine/Internal Combustion. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Includes fuel oil Nos. 2, 4, 5, and 6, crude oil, and kerosene. •Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 11. Gas-Fired Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date				
				Gas Generation			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ²
New England	848	814	969	5,596	5,041	11.0	7.2	6.4
Connecticut	114	116	88	434	334	29.9	1.6	1.2
Maine	-	-	-	-	-	-	-	-
Massachusetts	653	605	849	4,681	4,548	2.9	15.1	14.5
New Hampshire	-	-	-	-	1	-	-	-
Rhode Island	74	81	32	420	158	166.2	74.6	43.6
Vermont	7	11	-	61	-	-	1.5	-
Middle Atlantic	3,145	3,105	1,976	21,581	20,594	4.8	7.8	7.7
New Jersey	522	637	248	3,554	4,419	-19.8	11.8	13.0
New York	2,610	2,448	1,715	17,880	15,918	12.3	16.6	14.8
Pennsylvania	13	19	13	148	257	-42.5	.1	.2
East North Central	224	259	86	1,938	1,237	56.7	.5	.3
Illinois	61	30	24	628	426	47.3	.6	.4
Indiana	98	43	25	518	283	83.2	.6	.4
Michigan	42	72	19	549	357	53.7	.7	.5
Ohio	13	25	4	85	52	65.2	.1	-
Wisconsin	10	29	14	157	119	32.4	.4	.3
West North Central	288	508	126	3,075	2,037	51.0	1.7	1.2
Iowa	15	40	24	206	149	38.6	.9	.6
Kansas	204	272	47	2,076	1,372	51.3	7.3	4.8
Minnesota	12	54	25	295	262	12.4	.9	.8
Missouri	8	85	5	253	71	257.6	.5	.1
Nebraska	49	52	24	236	178	32.1	1.3	1.0
North Dakota	-	-	-	-	-	NM	-	-
South Dakota	-	4	-	10	5	77.1	.2	.1
South Atlantic	2,115	2,264	1,903	18,290	18,336	-3	4.1	4.1
Delaware	45	64	93	654	751	-12.9	10.7	10.9
District of Columbia	-	-	-	-	-	-	-	-
Florida	1,590	1,576	1,518	14,797	15,280	-3.2	14.0	14.6
Georgia	12	40	3	144	47	204.2	.2	.1
Maryland	234	232	259	1,210	1,526	-20.7	4.7	5.0
North Carolina	14	22	4	149	97	53.5	.2	.1
South Carolina	64	196	20	699	227	207.9	1.2	.4
Virginia	155	133	3	621	394	57.6	1.6	1.1
West Virginia	2	1	2	16	12	25.6	-	-
East South Central	729	697	339	4,987	3,654	36.5	2.4	1.8
Alabama	34	55	13	362	163	122.0	.6	.3
Kentucky	2	2	2	24	27	-10.8	-	-
Mississippi	691	634	324	4,560	3,464	31.6	22.1	19.6
Tennessee	2	5	-	41	-	NM	.1	-
West South Central	11,921	14,596	11,585	124,348	122,409	1.6	39.1	40.0
Arkansas	227	383	202	2,469	2,326	6.2	7.8	8.4
Louisiana	2,529	2,750	2,010	22,340	19,238	16.1	45.6	42.4
Oklahoma	1,388	1,812	1,400	15,057	15,188	-9	39.3	40.9
Texas	7,776	9,650	7,972	84,482	85,658	-1.4	42.4	43.7
Mountain	512	737	845	6,899	8,700	-20.7	3.4	4.4
Arizona	95	188	333	2,215	4,052	-45.3	4.3	9.0
Colorado	21	29	46	326	545	-40.1	1.3	2.0
Idaho	-	-	-	-	-	-	-	-
Montana	6	4	5	34	36	-5.5	.2	.2
Nevada	260	272	192	2,085	1,796	16.1	13.4	10.6
New Mexico	180	243	267	2,196	2,238	-1.9	9.1	9.5
Utah	10	-	-	38	27	37.7	.1	.1
Wyoming	1	-	2	5	7	-23.6	-	-
Pacific Contiguous	4,350	4,998	6,448	40,486	46,306	-12.6	18.4	21.0
California	4,176	4,919	6,254	39,701	44,676	-11.1	40.4	39.8
Oregon	174	79	193	776	925	-16.1	2.0	2.5
Washington	-	-	-	9	705	-98.8	-	1.0
Pacific Noncontiguous	250	212	248	2,280	2,295	-7	22.1	22.6
Alaska	250	212	248	2,280	2,295	-7	62.8	64.5
Hawaii	-	-	-	-	-	-	-	-
Total	24,381	28,190	24,524	229,480	230,609	-5	9.7	10.0

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NM = Percent difference calculation not meaningful.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 12. Gas-Fired Steam Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date				
				Gas (Steam)			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ²
New England	746	695	905	5,063	4,588	10.4	6.5	5.8
Connecticut	114	116	88	434	334	29.9	1.6	1.2
Maine	-	-	-	-	-	-	-	-
Massachusetts	551	486	786	4,148	4,096	1.3	13.4	13.1
New Hampshire	-	-	-	-	-	-	-	-
Rhode Island	74	81	32	420	158	166.2	74.6	43.6
Vermont	7	11	-	61	-	NM	1.5	-
Middle Atlantic	2,933	2,906	1,852	20,337	18,753	8.4	7.3	7.0
New Jersey	384	495	196	2,763	3,368	-17.9	9.2	9.9
New York	2,541	2,400	1,647	17,478	15,256	14.6	16.2	14.2
Pennsylvania	8	11	9	96	130	-26.1	.1	.1
East North Central	212	216	67	1,681	1,000	68.1	.4	.3
Illinois	58	81	22	588	389	50.9	.6	.4
Indiana	95	41	23	501	272	84.1	.6	.4
Michigan	38	54	6	389	198	97.0	.5	.3
Ohio	12	21	2	72	40	77.1	.1	.1
Wisconsin	9	18	13	132	101	30.9	.3	.3
West North Central	267	413	109	2,564	1,724	48.8	1.4	1.0
Iowa	12	18	23	141	124	14.2	.6	.5
Kansas	189	225	35	1,782	1,157	54.0	6.3	4.1
Minnesota	12	49	25	254	238	6.7	.8	.8
Missouri	8	72	2	175	38	363.9	.4	.1
Nebraska	47	45	23	203	161	25.8	1.1	.9
North Dakota	-	-	-	-	-	NM	-	-
South Dakota	-	4	-	9	6	51.6	.2	.1
South Atlantic	1,782	1,955	1,813	16,470	17,417	-5.4	3.7	3.9
Delaware	16	23	74	462	629	-26.6	7.6	9.1
District of Columbia	-	-	-	-	-	-	-	-
Florida	1,464	1,494	1,462	14,064	14,757	-4.7	13.3	14.1
Georgia	9	36	2	126	39	221.2	.2	.1
Maryland	225	209	253	1,088	1,405	-22.5	4.2	4.6
North Carolina	1	4	-	24	16	50.2	.1	.1
South Carolina	52	183	20	649	183	253.8	1.1	.3
Virginia	14	5	1	43	376	-88.6	.1	1.1
West Virginia	2	1	2	16	12	25.6	.1	.1
East South Central	696	626	301	4,466	3,340	33.7	2.1	1.7
Alabama	30	36	13	297	156	90.0	.5	.2
Kentucky	2	1	1	21	26	-17.7	.1	.1
Mississippi	664	588	287	4,147	3,157	31.4	20.1	17.9
Tennessee	-	-	-	-	-	NM	-	-
West South Central	11,349	14,080	11,044	119,392	116,621	2.4	37.5	38.1
Arkansas	227	383	202	2,469	2,326	6.1	7.8	8.4
Louisiana	2,464	2,689	1,942	21,822	18,643	17.1	44.6	41.1
Oklahoma	1,111	1,586	1,164	12,800	12,605	1.5	33.4	34.0
Texas	7,547	9,422	7,736	82,301	83,047	-9	41.3	42.4
Mountain	454	586	663	5,477	6,677	-18.0	2.7	3.4
Arizona	68	61	158	1,002	2,220	-54.9	2.0	4.9
Colorado	21	28	46	322	535	-39.0	1.2	2.0
Idaho	-	-	-	-	-	-	-	-
Montana	6	2	5	24	36	-31.2	.1	.2
Nevada	188	254	189	1,972	1,691	16.6	12.6	10.0
New Mexico	172	241	264	2,152	2,190	-1.7	8.9	9.3
Utah	-	-	-	-	-1	NM	-	-
Wyoming	1	-	2	5	7	-23.6	.1	.1
Pacific Contiguous	3,968	4,688	6,202	37,798	42,096	-10.2	17.2	19.1
California	3,968	4,688	6,202	37,798	42,091	-10.2	38.5	37.5
Oregon	-	-	-	-	-	-	-	-
Washington	-	-	-	-	5	NM	-	-
Pacific Noncontiguous	49	23	39	335	423	-20.8	3.3	4.2
Alaska	49	23	39	335	423	-20.8	9.2	11.9
Hawaii	-	-	-	-	-	-	-	-
Total	22,455	26,187	22,995	213,583	212,638	.4	9.1	9.2

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

- = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NM = Percent difference calculation not meaningful.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Do not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 13. Gas-Fired GT/IC Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date				
				Gas (GT/IC)			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ²
New England	102	120	83	533	453	17.6	0.7	0.6
Connecticut	-	-	-	-	-	-	-	-
Maine	-	-	-	-	-	-	-	-
Massachusetts	102	120	83	533	452	17.9	1.7	1.4
New Hampshire	-	-	-	-	1	NM	-	-
Rhode Island	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-
Middle Atlantic	213	199	124	1,244	1,841	-32.4	.4	.7
New Jersey	138	143	52	791	1,051	-24.8	2.6	3.1
New York	70	48	68	402	663	-22.4	.4	.6
Pennsylvania	5	8	4	52	127	-	-	.1
East North Central	12	44	18	257	237	-	.1	.1
Illinois	3	8	2	40	37	8.0	-	-
Indiana	3	3	2	18	11	60.8	-	-
Michigan	4	18	12	160	160	-	.2	.2
Ohio	1	4	1	14	11	22.9	-	-
Wisconsin	1	11	1	25	18	41.1	.1	-
West North Central	21	95	17	511	314	63.1	.3	.2
Iowa	3	22	1	65	25	160.2	.3	.1
Kansas	16	47	12	294	215	36.8	1.0	.8
Minnesota	-	6	-	40	24	69.2	.1	.1
Missouri	-	13	3	79	33	137.2	.2	.1
Nebraska	2	7	1	33	17	90.7	.2	.1
North Dakota	-	-	-	-	-	NM	-	-
South Dakota	-	1	-	1	-	NM	-	-
South Atlantic	333	309	91	1,820	919	98.0	.4	.2
Delaware	29	41	19	193	122	57.3	3.2	1.8
District of Columbia	-	-	-	-	-	-	-	-
Florida	126	81	57	733	523	40.1	.7	.5
Georgia	2	4	2	18	8	123.0	-	-
Maryland	9	23	7	122	121	.3	.5	.4
North Carolina	13	18	4	125	81	54.2	.2	.1
South Carolina	12	13	-	51	44	14.9	.1	.1
Virginia	141	128	2	578	19	3005.9	1.4	.1
West Virginia	-	-	-	-	-	-	-	-
East South Central	33	71	37	522	315	65.8	.3	.2
Alabama	3	19	-	65	7	873.2	.1	-
Kentucky	-	1	-	2	1	233.6	-	-
Mississippi	27	46	37	413	307	34.5	2.0	1.7
Tennessee	2	5	-	41	-	NM	.1	-
West South Central	572	516	541	4,956	5,789	-14.4	1.6	1.9
Arkansas	-	-	-	-	-	NM	-	-
Louisiana	66	61	68	518	595	-13.0	1.1	1.3
Oklahoma	277	227	237	2,257	2,583	-12.6	5.9	7.0
Texas	229	228	237	2,181	2,611	-16.4	1.1	1.3
Mountain	58	151	182	1,422	2,023	-29.7	.7	1.0
Arizona	27	127	176	1,213	1,832	-33.8	2.4	4.1
Colorado	-	1	-	5	10	-50.5	-	-
Idaho	-	-	-	-	-	-	-	-
Montana	1	3	-	9	-	NM	-	-
Nevada	12	18	3	113	105	7.9	.7	.6
New Mexico	8	2	3	44	48	-8.9	.2	.2
Utah	10	-	-	38	29	31.7	.1	.1
Wyoming	-	-	-	-	-	-	-	-
Pacific Contiguous	382	310	246	2,887	4,210	-36.2	1.2	1.9
California	207	231	52	1,903	2,584	-26.4	1.9	2.3
Oregon	174	79	193	776	925	-16.1	2.0	2.5
Washington	-	-	-	8	700	-98.8	-	1.0
Pacific Noncontiguous	201	188	209	1,945	1,872	3.9	18.9	18.4
Alaska	201	188	209	1,945	1,872	3.9	53.6	52.6
Hawaii	-	-	-	-	-	-	-	-
Total	1,926	2,002	1,529	15,897	17,972	-11.5	.7	.8

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NM = Percent difference calculation not meaningful.

Notes: •GT/IC=Gas Turbine/Internal Combustion. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 14. Hydroelectric Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date				
				Hydroelectric Generation			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ²
New England	526	225	366	4,407	3,566	23.6	5.6	4.5
Connecticut	30	13	35	385	320	20.1	1.4	1.1
Maine	184	134	140	1,634	1,395	17.1	21.6	14.5
Massachusetts	35	-14	26	237	185	27.8	.8	.6
New Hampshire	163	43	84	1,176	902	30.4	13.8	15.0
Rhode Island	-	-	-	-	-	-	-	-
Vermont	109	49	81	975	763	27.8	24.3	20.2
Middle Atlantic	2,214	1,876	1,992	22,274	20,559	8.3	8.0	7.7
New Jersey	-14	-12	-13	-124	-226	NM	-4	-7
New York	2,067	1,848	1,955	21,042	19,626	7.2	19.5	18.3
Pennsylvania	160	40	51	1,336	1,158	17.0	1.0	.9
East North Central	333	285	108	2,723	2,373	14.7	.7	.6
Illinois	5	4	4	51	42	20.7	*	*
Indiana	38	39	43	377	361	4.6	.5	.5
Michigan	65	16	-7	647	670	-4.5	.9	.9
Ohio	12	12	11	142	110	28.7	.1	.1
Wisconsin	213	214	58	1,505	1,182	27.4	4.0	3.2
West North Central	716	816	697	9,384	8,973	4.6	5.2	5.1
Iowa	76	85	37	716	600	19.3	3.0	2.5
Kansas	1	1	1	10	8	35.7	*	*
Minnesota	66	44	40	550	565	-2.6	1.7	1.8
Missouri	53	66	57	2,048	1,037	97.5	4.2	2.1
Nebraska	97	106	104	1,029	1,041	-1.1	5.8	6.1
North Dakota	88	92	95	1,470	1,565	-6.1	6.7	7.6
South Dakota	335	422	365	3,561	4,157	-14.3	64.0	68.0
South Atlantic	1,481	763	1,752	15,635	12,678	23.3	3.5	2.8
Delaware	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-
Florida	10	8	22	155	187	-17.1	.1	.2
Georgia	276	213	455	4,383	2,966	47.8	5.3	3.8
Maryland	228	76	119	1,806	1,566	15.3	7.0	5.2
North Carolina	588	359	740	6,132	5,668	8.2	9.0	7.9
South Carolina	283	142	285	2,416	1,532	57.8	4.2	2.7
Virginia	64	-53	98	378	358	5.6	.9	1.0
West Virginia	32	18	34	365	402	-9.3	.6	.6
East South Central	1,306	1,208	2,893	19,686	23,798	-17.3	9.4	11.9
Alabama	449	381	1,243	8,975	10,642	-15.7	13.8	16.7
Kentucky	227	211	409	2,609	3,562	-26.7	4.2	6.1
Mississippi	-	-	-	-	-	-	-	-
Tennessee	630	616	1,241	8,103	9,594	-15.5	13.3	15.8
West South Central	402	409	346	7,802	6,560	15.9	2.4	2.1
Arkansas	160	236	163	3,322	2,941	12.9	10.5	10.6
Louisiana	-	-	-	-	-	-	-	-
Oklahoma	68	53	115	2,607	2,280	14.4	6.8	6.1
Texas	173	120	69	1,674	1,339	24.9	.3	.7
Mountain	2,295	2,533	2,282	26,759	26,712	.2	13.1	13.6
Arizona	410	596	529	6,803	6,859	-.8	13.3	15.2
Colorado	101	112	144	1,131	1,406	-19.6	4.3	5.2
Idaho	546	804	573	7,246	7,779	-6.9	100.0	100.0
Montana	1,029	785	840	8,940	7,702	16.1	42.7	36.7
Nevada	135	130	109	1,454	1,654	-12.6	9.3	9.8
New Mexico	11	18	11	185	211	-12.5	.8	.9
Utah	34	39	48	416	488	-14.7	1.6	1.9
Wyoming	28	49	30	583	604	-3.4	1.8	2.0
Pacific Contiguous	9,245	8,774	9,562	126,654	116,103	9.1	57.5	52.7
California	1,876	1,938	1,938	21,295	25,779	-17.4	21.7	22.9
Oregon	2,434	2,313	2,539	33,663	31,847	5.7	85.4	85.9
Washington	4,935	4,523	5,084	71,695	58,477	22.6	86.8	82.3
Pacific Noncontiguous	84	81	77	827	730	13.2	8.0	7.2
Alaska	82	79	75	807	709	13.7	22.2	19.9
Hawaii	2	2	2	20	21	-5.7	.3	.3
Total	18,603	16,969	20,076	235,949	222,052	6.3	10.0	9.6

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NM = Percent difference calculation not meaningful.

Notes: *Negative generation denotes that electric power consumed for plant use exceeds gross generation. *Station losses included energy used for pumped storage. *Energy used as of October 1990 for pumping was 1,892 million kilowatthours. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. *Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 15. Nuclear Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date				
				Nuclear Generation			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ²
New England	3,084	3,100	2,775	29,272	27,337	7.1	37.4	34.5
Connecticut	1,337	1,597	1,600	5,635	16,504	-5.3	58.9	58.6
Maine	346	617	522	3,919	5,899	-33.6	51.7	61.2
Massachusetts	493	104	27	3,982	2,066	91.7	12.8	6.6
New Hampshire	745	781	-	2,854	-	-	33.6	-
Rhode Island	-	-	-	-	-	-	-	-
Vermont	164	-	383	2,902	2,868	1.2	72.2	75.8
Middle Atlantic	8,654	8,098	7,392	87,465	68,028	28.6	31.5	25.5
New Jersey	2,798	2,209	1,564	18,864	18,468	2.1	62.6	54.2
New York	1,940	1,919	2,190	19,790	18,674	6.0	18.3	17.4
Pennsylvania	3,915	3,970	3,638	48,811	30,887	58.0	35.0	24.7
East North Central	8,129	9,844	9,409	98,423	100,151	-1.7	24.1	25.1
Illinois	5,808	6,537	5,607	59,699	63,573	-6.1	56.3	60.5
Indiana	-	-	-	-	-	-	-	-
Michigan	869	1,570	1,566	20,025	17,971	11.4	26.3	23.6
Ohio	650	674	1,486	9,451	9,637	-1.9	9.0	8.8
Wisconsin	801	1,063	747	9,248	8,969	3.1	24.4	24.5
West North Central	2,723	2,995	3,404	31,349	32,609	-3.9	17.4	18.5
Iowa	260	103	89	2,337	2,623	-10.9	9.7	11.1
Kansas	857	819	831	6,199	8,018	-22.7	21.9	28.2
Minnesota	1,019	770	752	9,871	8,936	10.5	30.3	28.3
Missouri	-7	487	859	7,021	6,618	6.1	14.3	13.5
Nebraska	594	815	873	5,920	6,415	-7.7	33.1	37.7
North Dakota	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-
South Atlantic	9,854	11,186	12,028	117,528	107,863	9.0	26.1	24.1
Delaware	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-
Florida	1,857	2,617	2,015	17,951	15,677	14.5	16.9	15.0
Georgia	1,774	2,014	1,886	20,145	20,581	-2.1	24.6	26.5
Maryland	448	-14	-6	437	2,734	-84.0	1.7	9.0
North Carolina	1,309	2,083	2,438	22,975	24,712	-7.0	33.6	34.4
South Carolina	3,440	2,933	3,585	34,993	33,994	2.9	60.8	60.7
Virginia	1,027	1,553	2,109	21,026	10,166	106.8	52.7	29.6
West Virginia	-	-	-	-	-	-	-	-
East South Central	1,283	2,467	2,989	29,370	28,523	3.0	14.1	14.2
Alabama	828	1,151	565	10,883	9,483	14.8	16.8	14.9
Kentucky	-	-	-	-	-	-	-	-
Mississippi	-	574	892	6,950	6,172	12.6	33.6	34.9
Tennessee	435	742	1,532	11,538	12,869	-10.3	18.9	21.2
West South Central	2,397	4,067	2,135	35,687	26,201	36.2	11.2	8.6
Arkansas	664	1,070	452	9,947	7,684	29.5	31.6	27.7
Louisiana	546	1,119	632	12,138	10,233	18.6	24.8	22.6
Oklahoma	-	-	-	-	-	-	-	-
Texas	1,188	1,878	1,052	13,602	8,285	64.2	6.8	4.2
Mountain	2,696	2,307	370	15,112	7,541	100.4	7.4	3.8
Arizona	2,696	2,307	370	15,112	7,012	115.5	29.5	15.6
Colorado	-	-	-	-	529	-	-	2.0
Idaho	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-
New Mexico	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-
Pacific Contiguous	4,596	4,341	3,055	35,962	36,917	-2.6	16.3	16.7
California	3,155	3,105	1,853	26,911	28,551	-5.7	27.4	25.4
Oregon	654	619	478	4,115	3,784	18.0	11.3	10.2
Washington	787	617	724	4,137	4,582	-3.3	5.5	6.5
Pacific Noncontiguous	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Total	43,395	48,405	43,558	480,168	435,172	10.3	20.4	18.9

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 16. Other Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date				
				Other Generation			Percent of Total Generation	
				1990 ¹	1989 ²	Percent Difference	1990 ¹	1989 ²
New England	44	48	52	436	387	12.8	0.6	0.5
Connecticut	38	39	38	357	248	44.0	1.3	.9
Maine	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-	-	-
Vermont	6	9	14	79	139	-42.9	2.0	3.7
Middle Atlantic	-	-	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-	-
New York	-	-	-	-	-	-	-	-
Pennsylvania	-	-	-	-	-	-	-	-
East North Central	36	36	43	361	418	-13.6	.1	.1
Illinois	-	-	-	-	-	-	-	-
Indiana	-	-	-	-	-	-	-	-
Michigan	-	-	-	-	-	-	-	-
Ohio	25	23	26	220	272	-19.0	.2	.2
Wisconsin	12	13	17	141	146	-3.5	.4	.4
West North Central	35	34	33	348	211	65.0	.2	.1
Iowa	1	2	1	15	21	-29.4	.1	.1
Kansas	-	-	-	-	-	NM	-	-
Minnesota	33	32	31	333	190	75.7	1.0	.6
Missouri	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-
South Atlantic	-	-	2	-	10	NM	-	-
Delaware	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-
Florida	-	-	-	-	-	-	-	-
Georgia	-	-	-	-	-	-	-	-
Maryland	-	-	2	-	10	-	-	-
North Carolina	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	NM	-	-
West Virginia	-	-	-	-	-	-	-	-
East South Central	-	-	-	-	-	-	-	-
Alabama	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-
Mississippi	-	-	-	-	-	-	-	-
Tennessee	-	-	-	-	-	-	-	-
West South Central	24	25	23	229	142	61.5	.1	-
Arkansas	-	-	-	-	-	-	-	-
Louisiana	-	-	-	-	-	-	-	-
Oklahoma	-	-	-	-	-	-	-	-
Texas	24	25	23	229	142	61.5	.1	.1
Mountain	23	20	13	195	207	-6.1	.1	.1
Arizona	-	-	-	-	-	-	-	-
Colorado	-	-	-	-	1	NM	-	-
Idaho	-	-	-	-	-	-	-	-
Montana	7	7	7	60	59	2.1	.3	.3
Nevada	-	-	-	-	-	-	-	-
New Mexico	-	-	-	-	-	-	-	-
Utah	16	13	6	134	147	-8.9	.5	.6
Wyoming	-	-	-	-	-	-	-	-
Pacific Contiguous	743	712	788	7,291	8,015	-9.0	3.3	3.6
California	708	677	752	7,020	7,682	-8.6	7.1	6.8
Oregon	-	-	-	1	27	-97.9	-	.1
Washington	35	34	35	270	306	-11.7	.3	.4
Pacific Noncontiguous	-	-	2	6	20	-70.7	.1	.2
Alaska	-	-	-	-	-	-	-	-
Hawaii	-	-	2	6	20	-70.7	.1	.3
Total	905	875	956	8,866	9,410	-5.8	.4	.4

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NM = Percent difference calculation not meaningful.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Nonutility sources are not included. •Other energy sources include geothermal, wood, wind, waste, and solar. •Does not include imports of electricity or generation purchased by electric utilities from nonutilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Consumption

*Coal is consumed by more than
500 electric utility plants in
the United States.*

Table 17. U.S. Consumption of Fossil Fuels to Produce Electricity

Year and Month	Coal (thousand short tons)				Petroleum ¹ (thousand barrels)			Coke (thousand short tons)	Gas (thousand Mcf)
	Anthracite ²	Bituminous ³	Lignite	Total	Light	Heavy	Total		
1980	951	526,680	41,642	569,274	29,051	391,163	420,214	179	3,681,595
1981	1,221	550,784	44,792	596,797	21,313	329,798	351,111	139	3,640,154
1982	1,075	543,346	49,245	593,666	15,337	234,434	249,771	149	3,225,518
1983	1,036	570,108	54,067	625,211	16,512	228,984	245,497	261	2,910,767
1984	1,070	606,339	56,990	664,399	15,190	189,289	204,479	252	3,111,342
1985	1,033	631,885	60,923	693,841	14,635	158,779	173,414	231	3,044,083
1986	829	616,134	68,093	685,056	14,326	216,156	230,482	313	2,602,370
1987	972	647,824	69,098	717,894	15,367	184,011	199,378	348	2,844,051
1988	1,063	681,048	76,260	758,372	18,769	229,327	248,096	409	2,635,613
1989 ⁴									
January	98	59,559	6,962	66,619	2,053	23,325	25,379	47	145,552
February	75	56,593	5,945	62,613	2,426	26,977	29,403	33	170,969
March	82	55,838	5,986	61,906	2,690	25,019	27,709	35	209,343
April	96	50,045	5,789	55,929	1,044	18,058	19,102	38	233,116
May	98	52,252	6,009	58,359	1,520	15,358	16,879	36	248,869
June	75	56,829	6,719	63,623	2,070	19,253	21,322	38	258,343
July	97	62,306	7,302	69,705	2,180	18,643	20,822	58	318,005
August	95	63,256	7,121	70,471	1,530	17,133	18,663	58	307,804
September	81	56,513	6,295	62,889	1,526	15,642	17,168	54	266,052
October	87	54,755	5,699	60,541	1,180	12,807	13,987	39	252,494
November	85	54,518	6,294	60,896	1,484	17,762	19,247	33	187,381
December	81	64,971	7,215	72,267	5,781	31,374	37,156	50	169,975
1989 Total	1,049	687,436	77,335	765,820	25,485	241,351	266,836	517	2,767,903
1990 ⁵									
January	92	58,748	7,220	66,060	1,234	18,294	19,528	40	143,634
February	85	51,605	6,313	58,003	974	14,769	15,743	62	131,273
March	91	54,425	6,101	60,616	912	16,068	16,979	62	182,435
April	81	52,203	5,376	57,661	1,035	15,882	16,917	61	196,830
May	90	52,964	5,988	59,042	1,146	14,573	15,720	77	239,415
June	90	58,184	6,892	65,167	1,555	20,601	22,156	66	295,305
July	96	64,103	6,821	71,020	1,614	20,035	21,649	74	324,965
August	93	65,790	7,317	73,200	1,618	16,835	18,453	72	346,438
September	84	60,409	6,455	66,948	1,318	12,037	13,354	79	299,595
October	82	58,002	6,181	64,264	1,186	10,771	11,957	86	256,481
Year to Date									
1990 ⁵	884	576,431	64,665	641,981	12,592	159,864	172,456	680	2,416,371
1989 ⁴	884	567,947	63,826	632,657	18,220	192,214	210,434	435	2,410,546

¹ The collection of heavy and light petroleum data began in January 1980. Prior to 1980, totals were for steam and gas turbine/internal combustion.

² Anthracite includes anthracite silt stored off-site.

³ Bituminous coal includes subbituminous coal.

⁴ Data for 1989 are revised.

⁵ Data for 1990 are preliminary.

Notes: •Totals may not equal sum of components because of independent rounding. •Geographic coverage includes the 50 States and the District of Columbia. •Mcf = thousand cubic feet.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report," and predecessor forms.

Coal is consumed at this utility to generate electricity.

Table 18. Consumption of Coal to Produce Electricity by Census Division and State
(Thousand Short Tons)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date		
				1990 ¹	1989 ²	Percent Difference
New England	547	603	574	5,137	5,273	-2.6
Connecticut	32	84	69	789	675	16.8
Maine	-	-	-	-	-	-
Massachusetts	385	402	398	3,446	3,610	-4.5
New Hampshire	129	117	107	903	988	-8.7
Rhode Island	-	-	-	-	-	-
Vermont	-	-	-	-	-	-
Middle Atlantic	4,237	4,505	4,657	45,559	46,413	-1.8
New Jersey	216	220	319	2,368	2,803	-15.5
New York	743	885	772	8,398	8,287	1.3
Pennsylvania	3,277	3,400	3,566	34,793	35,323	-1.5
East North Central	14,306	13,876	14,050	143,520	137,271	4.6
Illinois	2,164	2,159	2,174	23,011	20,498	12.3
Indiana	3,971	3,913	3,623	40,223	34,721	15.8
Michigan	2,373	2,396	2,749	24,706	24,883	-7
Ohio	4,198	3,951	3,986	40,513	42,448	-4.6
Wisconsin	1,600	1,456	1,518	15,067	14,722	2.3
West North Central	8,207	8,489	7,948	85,144	82,488	3.2
Iowa	1,281	1,264	1,038	12,796	12,171	5.1
Kansas	1,170	1,286	1,065	12,672	12,208	3.8
Minnesota	1,423	1,430	1,594	13,473	13,462	.1
Missouri	2,154	2,145	1,991	19,872	20,448	-2.8
Nebraska	390	534	563	6,771	5,885	15.1
North Dakota	1,648	1,595	1,580	17,680	16,457	7.4
South Dakota	139	236	117	1,879	1,857	1.2
South Atlantic	11,003	11,922	9,372	106,953	109,661	-2.5
Delaware	201	181	111	1,699	1,712	-7
District of Columbia	-	-	-	-	-	-
Florida	2,047	2,185	2,002	20,323	20,438	-6
Georgia	2,462	2,788	1,918	23,426	22,037	6.3
Maryland	646	740	655	7,445	7,612	-2.2
North Carolina	1,710	1,889	1,198	15,070	15,850	-4.9
South Carolina	708	793	557	7,754	7,995	-3.0
Virginia	813	767	424	6,599	7,906	-16.5
West Virginia	2,416	2,579	2,506	24,637	26,112	-5.6
East South Central	6,744	7,126	5,269	64,938	61,603	7.2
Alabama	2,030	2,126	1,600	18,387	17,775	3.4
Kentucky	2,443	2,639	2,100	26,016	23,857	9.0
Mississippi	323	412	265	3,443	3,061	12.5
Tennessee	1,948	1,948	1,304	17,091	15,909	7.4
West South Central	9,998	10,959	9,569	102,519	103,565	-1.0
Arkansas	1,186	1,146	1,080	9,704	8,911	8.9
Louisiana	1,022	1,124	874	9,661	10,304	-6.2
Oklahoma	1,013	1,280	1,120	12,127	11,759	3.1
Texas	6,777	7,409	6,495	71,028	72,592	-2.2
Mountain	8,371	8,818	8,514	83,548	82,386	1.4
Arizona	1,199	1,390	1,395	13,480	13,522	-3
Colorado	1,261	1,270	1,321	13,176	12,987	1.5
Idaho	-	-	-	-	-	-
Montana	911	814	944	7,515	8,328	-9.8
Nevada	473	865	497	6,100	6,415	-4.9
New Mexico	1,258	1,204	1,215	12,697	12,757	-.5
Utah	1,129	1,153	1,241	11,258	10,784	4.4
Wyoming	2,140	2,121	1,901	19,321	17,593	9.8
Pacific Contiguous	814	627	568	4,412	4,752	-7.2
California	-	-	-	-	-	-
Oregon	230	177	-	46	306	51.3
Washington	584	450	568	3,900	4,446	-11.2
Pacific Noncontiguous	38	24	21	249	243	2.6
Alaska	38	24	21	249	243	2.6
Hawaii	-	-	-	-	-	-
Total	64,264	66,948	60,541	641,981	632,657	1.5

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

Notes: •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 19. Consumption of Petroleum to Produce Electricity by Census Division and State
(Thousand Barrels)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date		Percent Difference
				1990 ¹	1989 ²	
New England	2,342	2,213	3,454	41,667	47,912	-13.0
Connecticut	807	735	1,086	12,762	14,973	-14.8
Maine	103	72	410	3,425	3,980	-13.5
Massachusetts	1,084	1,148	1,702	21,419	24,181	-11.4
New Hampshire	343	253	226	3,742	4,317	-13.3
Rhode Island	4	3	29	314	446	-29.7
Vermont	1	1	1	7	35	-80.2
Middle Atlantic	2,943	3,631	4,459	56,072	71,675	-21.8
New Jersey	92	158	169	3,256	7,881	-58.7
New York	2,675	3,106	3,909	46,774	53,574	-12.7
Pennsylvania	177	367	380	6,042	10,221	-40.9
East North Central	368	567	338	4,004	4,403	-9.1
Illinois	118	248	118	1,821	1,027	77.2
Indiana	25	25	29	328	296	10.9
Michigan	170	227	119	1,285	2,194	-41.4
Ohio	48	39	62	468	773	-39.5
Wisconsin	7	28	10	101	113	-10.3
West North Central	44	103	50	594	621	-4.3
Iowa	6	19	6	107	77	40.1
Kansas	5	17	15	131	129	1.6
Minnesota	5	21	5	77	59	30.9
Missouri	13	29	14	182	175	4.3
Nebraska	3	4	1	24	93	-74.3
North Dakota	10	7	6	47	62	-24.2
South Dakota	2	5	2	25	27	-6.6
South Atlantic	4,806	5,102	4,136	48,930	58,375	-16.2
Delaware	42	60	274	2,059	3,215	-36.0
District of Columbia	7	60	64	823	1,221	-32.7
Florida	4,073	4,299	3,238	37,169	38,234	-2.8
Georgia	26	43	17	308	198	56.0
Maryland	316	454	451	6,114	8,868	-31.1
North Carolina	24	33	24	310	411	-24.6
South Carolina	23	9	10	100	164	-39.1
Virginia	262	123	20	1,747	5,730	-69.5
West Virginia	33	22	36	300	334	-10.2
East South Central	57	273	48	1,754	1,556	12.7
Alabama	12	16	13	109	131	-16.9
Kentucky	22	17	17	165	184	-10.4
Mississippi	6	196	5	1,282	1,046	22.6
Tennessee	17	45	14	197	195	1.4
West South Central	101	106	91	894	3,044	-70.6
Arkansas	8	13	5	120	188	-36.1
Louisiana	9	52	54	204	238	-14.2
Oklahoma	2	3	4	44	43	2.3
Texas	81	38	29	525	2,575	-79.6
Mountain	47	66	60	774	1,231	-37.1
Arizona	4	23	27	162	277	-41.6
Colorado	3	3	4	43	57	-25.4
Idaho	-	-	-	1	4	-84.8
Montana	7	7	5	56	51	8.2
Nevada	14	11	5	312	605	-48.4
New Mexico	6	4	3	50	62	-19.1
Utah	6	9	5	67	70	-5.0
Wyoming	8	8	10	84	104	-19.7
Pacific Contiguous	19	84	106	5,739	9,661	-40.6
California	17	78	104	5,707	9,397	-39.3
Oregon	1	2	-	10	76	-86.3
Washington	1	3	2	22	188	-88.3
Pacific Noncontiguous	1,230	1,210	1,245	12,027	11,955	.6
Alaska	37	34	45	537	601	-10.7
Hawaii	1,192	1,175	1,201	11,490	11,354	1.2
Total	11,957	13,354	13,987	172,456	210,434	-18.0

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

Notes: •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •The October 1990 petroleum coke consumption was 86,134 short tons.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

**Table 20. Consumption of Petroleum to Produce Electricity at Steam-Fired Plants
by Census Division and State
(Thousand Barrels)**

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date		
				1990 ¹	1989 ²	Percent Difference
New England	2,309	2,185	3,386	41,175	46,577	-11.6
Connecticut	804	733	1,082	12,731	14,864	-14.3
Maine	102	72	408	3,417	3,937	-13.2
Massachusetts	1,058	1,126	1,644	20,995	23,067	-9.0
New Hampshire	342	253	225	3,734	4,287	-12.9
Rhode Island	2	2	27	297	418	-28.9
Vermont	.	.	.	1	4	-72.1
Middle Atlantic	2,773	3,472	4,326	54,220	67,068	-19.2
New Jersey	65	100	144	2,781	6,364	-56.6
New York	2,565	3,055	3,818	45,910	51,499	-10.9
Pennsylvania	142	318	364	5,549	9,204	-39.7
East North Central	357	519	325	3,771	4,098	-8.0
Illinois	117	239	117	1,770	994	78.0
Indiana	24	23	26	310	283	9.4
Michigan	168	221	117	1,229	2,056	-40.2
Ohio	44	30	59	412	703	-41.4
Wisconsin	5	5	6	51	62	-18.3
West North Central	35	27	39	319	436	-26.7
Iowa	4	4	5	48	50	-3.5
Kansas	3	3	11	67	77	-12.0
Minnesota	5	3	4	37	41	-10.8
Missouri	12	9	12	106	129	-17.9
Nebraska	2	1	1	10	64	-85.1
North Dakota	8	6	6	44	61	-28.5
South Dakota	1	.	1	7	13	-43.8
South Atlantic	4,531	4,779	3,959	46,460	55,328	-16.0
Delaware	38	57	274	2,030	3,147	-35.5
District of Columbia	2	52	64	765	1,083	-29.4
Florida	3,886	4,109	3,091	35,648	36,725	-2.9
Georgia	11	21	9	205	140	46.5
Maryland	288	424	442	5,787	8,155	-29.0
North Carolina	17	20	22	219	230	-4.6
South Carolina	20	4	10	79	85	-7.3
Virginia	235	70	10	1,428	5,430	-73.7
West Virginia	33	22	36	299	333	-10.1
East South Central	54	244	47	1,681	1,483	13.4
Alabama	12	15	13	106	123	-13.9
Kentucky	22	16	17	160	182	-12.0
Mississippi	6	195	4	1,280	1,042	22.8
Tennessee	14	17	13	135	135	-3
West South Central	96	98	88	808	2,904	-72.2
Arkansas	7	13	5	106	174	-39.2
Louisiana	9	52	53	202	235	-13.8
Oklahoma	2	3	4	40	39	2.8
Texas	78	30	27	459	2,456	-81.3
Mountain	46	59	58	692	1,113	-37.8
Arizona	4	19	26	139	231	-39.8
Colorado	2	2	4	38	38	.5
Idaho	.	.	.	.	.	.
Montana	7	7	5	55	50	10.0
Nevada	13	11	5	267	567	-53.0
New Mexico	6	4	3	48	60	-19.1
Utah	6	9	5	61	63	-2.7
Wyoming	8	8	10	84	104	-19.7
Pacific Contiguous	1	70	31	5,581	9,285	-39.9
California	9	65	29	5,554	9,116	-39.1
Oregon	1	2	.	9	9	-5.6
Washington	.	3	2	19	161	-88.2
Pacific Noncontiguous	1,060	1,038	1,074	10,122	10,202	-.8
Alaska	.	.	.	1	1	-49.6
Hawaii	1,060	1,038	1,074	10,122	10,201	-.8
Total	11,270	12,491	13,334	164,830	198,494	-17.0

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

. = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

Notes: •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •The October 1990 petroleum coke consumption was 86,134 short tons.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

**Table 21. Consumption of Petroleum to Produce Electricity at GT/IC Plants
by Census Division and State
(Thousand Barrels)**

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date		Percent Difference
				1990 ¹	1989 ²	
New England	32	28	68	493	1,335	-63.1
Connecticut	3	3	4	31	109	-71.9
Maine	1	.	2	8	22	-64.6
Massachusetts	26	23	58	424	1,114	-62.0
New Hampshire	.	.	1	8	30	-73.7
Rhode Island	1	2	2	16	28	-41.3
Vermont	.	1	1	6	31	-81.2
Middle Atlantic	171	158	133	1,852	4,608	-59.3
New Jersey	27	58	26	495	1,516	-67.4
New York	109	51	91	864	2,075	-58.4
Pennsylvania	34	49	16	493	1,017	-51.5
East North Central	11	48	14	233	305	-23.7
Illinois	1	9	1	51	33	54.0
Indiana	1	2	3	19	13	43.8
Michigan	3	6	2	57	138	-59.0
Ohio	4	9	4	56	70	-20.3
Wisconsin	2	22	3	51	51	-.6
West North Central	9	76	10	275	186	48.3
Iowa	2	15	2	59	27	121.2
Kansas	3	14	4	64	53	21.2
Minnesota	1	18	1	41	18	128.4
Missouri	2	20	3	76	45	67.8
Nebraska	1	3	1	14	28	-49.5
North Dakota	1	.	.	3	1	324.1
South Dakota	1	5	1	18	14	27.4
South Atlantic	275	324	177	2,470	3,047	-18.9
Delaware	5	3	.	28	68	-58.5
District of Columbia	5	8	.	58	139	-58.3
Florida	186	190	146	1,522	1,509	.9
Georgia	15	22	8	103	57	79.0
Maryland	27	30	9	327	712	-54.1
North Carolina	8	13	3	91	181	-49.9
South Carolina	3	5	.	21	79	-73.0
Virginia	26	53	10	320	300	6.5
West Virginia	.	.	.	1	1	-50.4
East South Central	3	29	1	72	73	-.7
Alabama	.	.	.	3	8	-64.3
Kentucky	.	1	.	5	2	110.4
Mississippi	.	.	1	2	3	-38.5
Tennessee	3	27	.	62	59	5.4
West South Central	5	8	3	86	140	-38.5
Arkansas	2	1	.	14	13	3.7
Louisiana	.	.	.	2	3	-42.5
Oklahoma	.	.	.	5	5	-1.5
Texas	3	7	2	66	119	-44.6
Mountain	2	6	2	82	118	-30.8
Arizona	.	4	.	23	46	-50.7
Colorado	.	1	.	5	20	-74.7
Idaho	.	.	.	1	4	-84.8
Montana	.	.	.	.	1	-61.1
Nevada	1	.	.	45	37	20.8
New Mexico	.	.	.	2	3	-18.6
Utah	.	.	.	6	8	-24.2
Wyoming	.	.	.	.	.	.
Pacific Contiguous	9	13	75	158	376	-58.0
California	8	13	74	153	282	-45.6
Oregon	.	.	.	2	67	-97.3
Washington	.	1	.	3	27	-89.0
Pacific Noncontiguous	170	172	171	1,905	1,753	8.7
Alaska	37	34	44	536	600	-10.6
Hawaii	133	138	127	1,369	1,153	18.8
Total	686	863	653	7,626	11,940	-36.1

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

. = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

Notes: •GT/IC=Gas Turbine/Internal Combustion. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 22. Consumption of Gas to Produce Electricity by Census Division and State
(Million Cubic Feet)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date		Percent Difference
				1990 ¹	1989 ²	
New England	9,056	8,765	9,803	59,258	52,293	13.3
Connecticut	1,158	1,192	858	4,431	3,271	35.4
Maine	-	-	-	-	-	-
Massachusetts	6,885	6,438	8,538	48,893	46,920	4.2
New Hampshire	-	-	1	-	23	-
Rhode Island	939	1,015	407	5,290	2,079	154.5
Vermont	75	119	-	643	-	-
Middle Atlantic	33,682	33,308	21,167	232,455	224,318	3.6
New Jersey	6,107	7,461	2,901	42,334	52,532	-19.4
New York	27,425	25,609	18,102	188,203	168,475	11.7
Pennsylvania	150	238	164	1,918	3,311	-42.1
East North Central	4,103	4,681	1,724	35,873	27,973	28.2
Illinois	762	1,024	336	7,675	5,869	30.8
Indiana	1,120	480	270	5,615	3,093	81.5
Michigan	1,915	2,455	881	19,216	16,532	16.2
Ohio	170	337	63	1,166	774	50.5
Wisconsin	137	385	173	2,202	1,703	29.3
West North Central	3,932	6,900	1,738	39,350	26,340	49.4
Iowa	468	554	363	3,048	2,169	40.5
Kansas	2,563	3,429	641	25,182	17,105	47.2
Minnesota	217	1,152	366	4,699	3,704	26.9
Missouri	118	1,070	73	3,350	1,082	209.7
Nebraska	563	627	295	2,903	2,165	34.1
North Dakota	-	-	-	-	-	-
South Dakota	3	69	1	167	115	45.4
South Atlantic	23,875	24,720	20,777	200,511	198,035	1.3
Delaware	701	871	940	9,100	7,271	25.1
District of Columbia	-	-	-	-	-	-
Florida	17,715	16,953	16,371	159,482	163,867	-2.7
Georgia	148	531	52	1,837	629	192.1
Maryland	3,084	3,069	3,079	15,816	18,558	-14.8
North Carolina	241	299	88	2,205	1,450	52.0
South Carolina	709	1,898	198	6,901	2,419	185.2
Virginia	1,262	1,092	32	5,053	3,742	35.1
West Virginia	14	7	16	118	88	20.0
East South Central	8,205	8,421	4,197	59,941	42,126	42.3
Alabama	302	591	113	3,486	1,471	137.0
Kentucky	22	31	16	245	305	-19.7
Mississippi	7,854	7,720	4,068	55,646	40,343	37.9
Tennessee	27	78	-	565	7	7807.9
West South Central	122,007	151,763	117,858	1,278,538	1,254,459	1.9
Arkansas	2,564	4,264	2,388	27,901	24,942	11.9
Louisiana	25,659	29,132	21,027	230,051	199,722	15.2
Oklahoma	13,550	18,056	13,771	148,945	150,952	-1.3
Texas	80,235	100,312	80,672	871,641	878,843	-0.8
Mountain	5,537	8,047	8,899	75,021	94,475	-20.6
Arizona	1,036	1,958	3,436	23,635	42,781	-44.8
Colorado	297	471	659	4,436	7,244	-38.8
Idaho	-	-	-	-	-	-
Montana	46	59	35	359	277	29.5
Nevada	2,147	3,026	2,046	22,933	20,308	12.9
New Mexico	1,858	2,526	2,702	22,959	23,328	-1.6
Utah	146	2	2	644	466	38.0
Wyoming	9	4	17	55	70	-22.0
Pacific Contiguous	43,182	50,217	63,483	407,709	463,473	-12.0
California	41,697	49,434	61,601	400,557	446,422	-10.3
Oregon	1,483	781	1,877	7,042	9,011	-21.8
Washington	2	2	6	109	8,040	-98.6
Pacific Noncontiguous	2,901	2,772	2,849	27,716	27,055	2.4
Alaska	2,901	2,772	2,849	27,716	27,055	2.4
Hawaii	-	-	-	-	-	-
Total	256,481	299,595	252,494	2,416,371	2,410,546	.2

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

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

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

**Table 23. Consumption of Gas to Produce Electricity at Steam-Fired Plants
by Census Division and State
(Million Cubic Feet)**

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date		Percent Difference
				1990 ¹	1989 ²	
New England	7,871	7,354	9,013	52,880	46,933	12.7
Connecticut	1,158	1,192	858	4,431	3,271	35.4
Maine	-	-	-	-	-	-
Massachusetts	5,700	5,027	7,749	42,515	41,583	2.2
New Hampshire	-	-	-	-	-	-
Rhode Island	939	1,015	407	5,290	2,079	154.5
Vermont	75	119	-	643	-	-
Middle Atlantic	30,689	30,408	19,290	214,274	197,252	8.0
New Jersey	4,254	5,463	2,155	31,318	37,668	-16.9
New York	26,341	24,837	17,026	181,878	158,248	14.9
Pennsylvania	74	108	109	1,078	1,336	-19.3
East North Central	3,916	4,100	1,445	32,609	24,942	30.7
Illinois	721	903	307	7,129	5,395	32.1
Indiana	1,072	423	244	5,300	2,951	79.6
Michigan	1,861	2,266	706	17,506	14,692	19.2
Ohio	142	263	30	865	512	68.9
Wisconsin	120	246	158	1,809	1,392	30.0
West North Central	3,370	5,146	1,514	31,198	22,008	41.8
Iowa	150	226	346	1,798	1,790	.4
Kansas	2,366	2,786	500	21,267	14,427	47.4
Minnesota	214	674	362	3,423	3,257	5.1
Missouri	102	872	20	2,126	495	329.6
Nebraska	537	529	285	2,441	1,929	26.6
North Dakota	-	-	-	-	-	-
South Dakota	1	59	-	143	111	29.5
South Atlantic	19,874	21,100	10,459	177,332	184,538	-3.9
Delaware	370	424	738	6,949	5,887	18.0
District of Columbia	-	-	-	-	-	-
Florida	15,866	15,784	15,520	148,606	156,223	-4.9
Georgia	108	462	23	1,542	480	221.3
Maryland	2,933	2,726	2,976	13,887	16,671	-16.7
North Carolina	-	-	-	-	-	-
South Carolina	472	1,656	180	5,861	1,676	249.8
Virginia	112	40	7	367	3,503	-89.5
West Virginia	14	7	16	118	98	20.0
East South Central	7,369	6,950	3,265	48,108	36,535	31.7
Alabama	256	327	113	2,579	1,359	89.7
Kentucky	20	14	14	199	291	-31.6
Mississippi	7,093	6,610	3,139	45,331	34,884	29.9
Tennessee	-	-	-	-	-	-
West South Central	115,563	145,813	111,941	1,223,258	1,192,159	2.6
Arkansas	2,564	4,264	2,388	27,884	24,942	11.8
Louisiana	24,890	28,401	19,988	223,847	193,157	15.9
Oklahoma	10,641	15,581	11,680	125,524	127,712	-1.7
Texas	77,468	97,567	77,885	846,004	846,348	-
Mountain	4,786	6,455	7,058	59,283	72,519	-18.3
Arizona	717	720	1,687	11,189	24,146	-53.7
Colorado	296	442	657	4,334	7,059	-38.6
Idaho	-	-	-	-	-	-
Montana	39	22	35	233	274	-14.8
Nevada	1,975	2,765	1,993	21,039	18,248	15.3
New Mexico	1,752	2,501	2,669	22,396	22,722	-1.4
Utah	-	-	-	37	-	-
Wyoming	9	4	17	55	70	-22.0
Pacific Contiguous	39,456	46,923	60,980	380,191	417,846	-9.0
California	39,456	46,922	60,980	380,185	417,789	-9.0
Oregon	-	-	-	-	-	-
Washington	-	-	-	6	56	-89.7
Pacific Noncontiguous	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Total	232,874	274,248	233,966	2,219,132	2,194,731	1.1

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

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

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 24. Consumption of Gas to Produce Electricity at GT/IC Plants by Census Division and State
(Million Cubic Feet)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Year-to-Date		Percent Difference
				1990 ¹	1989 ²	
New England	1,185	1,411	790	6,378	5,360	19.0
Connecticut	-	-	-	-	-	-
Maine	-	-	-	-	-	-
Massachusetts	1,185	1,411	789	6,378	5,338	19.5
New Hampshire	-	-	1	-	23	-
Rhode Island	-	-	-	-	-	-
Vermont	-	-	-	-	-	-
Middle Atlantic	3,013	2,900	1,877	18,181	27,066	-32.8
New Jersey	1,852	1,998	745	11,016	14,864	-25.9
New York	1,084	772	1,076	6,325	10,227	-38.2
Pennsylvania	77	131	55	840	1,975	-57.5
East North Central	187	581	279	3,264	3,031	7.7
Illinois	41	120	29	547	474	15.3
Indiana	48	58	26	314	143	120.5
Michigan	54	189	176	1,710	1,841	-7.1
Ohio	27	74	33	300	262	14.6
Wisconsin	16	139	16	393	311	26.2
West North Central	563	1,755	224	8,152	4,332	88.2
Iowa	317	328	18	1,251	380	229.5
Kansas	197	643	140	3,915	2,679	46.1
Minnesota	4	479	3	1,276	447	185.7
Missouri	17	198	52	1,224	587	108.6
Nebraska	26	97	10	462	236	96.0
North Dakota	-	-	-	-	-	-
South Dakota	3	9	-	24	4	456.7
South Atlantic	4,001	3,821	1,318	23,180	13,497	71.7
Delaware	331	448	203	2,151	1,384	55.4
District of Columbia	-	-	-	-	-	-
Florida	1,850	1,169	852	10,875	7,644	42.3
Georgia	40	68	30	295	149	98.0
Maryland	151	343	103	1,928	1,887	2.2
North Carolina	241	299	88	2,205	1,450	52.0
South Carolina	238	242	18	1,040	744	39.8
Virginia	1,150	1,052	26	4,686	239	1861.1
West Virginia	-	-	-	-	-	-
East South Central	837	1,471	931	11,833	5,591	111.6
Alabama	46	264	-	907	112	713.0
Kentucky	2	17	2	46	13	239.4
Mississippi	761	1,111	929	10,315	5,459	89.0
Tennessee	27	78	-	565	7	7807.9
West South Central	6,445	5,950	5,917	55,279	62,301	-11.3
Arkansas	-	-	-	17	-	-
Louisiana	769	730	1,038	6,205	6,565	-5.5
Oklahoma	2,909	2,475	2,092	23,421	23,240	.8
Texas	2,766	2,745	2,787	25,636	32,495	-21.1
Mountain	751	1,592	1,841	15,738	21,956	-28.3
Arizona	319	1,238	1,749	12,446	18,636	-33.2
Colorado	1	29	2	102	185	-44.7
Idaho	-	-	-	-	-	-
Montana	7	37	-	126	3	3858.5
Nevada	172	261	55	1,894	2,060	-8.1
New Mexico	106	25	33	563	606	-7.1
Utah	146	2	2	607	466	30.1
Wyoming	-	-	-	-	-	-
Pacific Contiguous	3,728	3,294	2,503	27,518	45,627	-39.7
California	2,241	2,512	620	20,372	28,633	-28.8
Oregon	1,483	781	1,877	7,042	9,011	-21.8
Washington	2	1	6	103	7,984	-98.7
Pacific Noncontiguous	2,901	2,772	2,849	27,716	27,055	2.4
Alaska	2,901	2,772	2,849	27,716	27,055	2.4
Hawaii	-	-	-	-	-	-
Total	23,608	25,347	18,529	197,239	215,815	-8.6

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

Notes: •GT/IC= Gas Turbine/Internal Combustion. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Stocks

*Stocks of coal on hand at
electric utility plants.*

Table 25. U.S. End-of-Month Stocks of Coal and Petroleum

Year and Month	Coal (thousand short tons)				Petroleum ¹ (thousand barrels)				Coke (thousand short tons)
	Anthracite ²	Bituminous ³	Lignite	Total	(thousand barrels)				
					Light	Heavy	Total ⁴		
1980	4,741	174,154	4,115	183,010	30,023	105,351	135,374	52	
1981	5,537	158,009	5,098	168,893	26,094	102,042	128,136	42	
1982	6,080	170,440	4,573	181,132	23,369	95,515	118,884	41	
1983	6,507	145,250	3,841	155,598	18,801	70,573	89,375	55	
1984	6,710	167,118	5,899	179,727	19,116	68,503	87,619	50	
1985	7,189	142,144	7,043	156,376	16,386	57,304	73,689	49	
1986	7,099	148,665	6,042	161,806	16,269	56,841	73,111	40	
1987	6,940	156,670	7,187	170,797	15,759	55,069	70,827	51	
1988	6,561	133,434	6,512	146,507	15,099	54,187	69,285	86	
1989 ⁴									
January	6,513	129,802	6,088	142,403	14,809	55,845	70,654	58	
February	6,494	124,643	6,217	137,354	13,980	50,063	64,043	56	
March	6,475	126,107	6,367	138,949	13,370	45,142	58,512	62	
April	6,447	131,672	6,477	144,596	13,607	47,237	60,844	102	
May	6,416	137,787	6,767	150,970	13,279	52,595	65,873	64	
June	6,427	136,113	6,428	148,968	14,621	51,922	66,544	77	
July	6,413	122,221	6,226	134,859	14,405	52,883	67,288	81	
August	6,440	121,266	6,227	133,932	14,724	55,608	70,332	69	
September	6,437	122,901	6,291	135,629	14,825	54,346	69,171	92	
October	6,437	129,668	6,164	142,270	15,090	56,660	71,750	107	
November	6,423	134,233	6,475	147,131	15,332	56,258	71,590	115	
December	6,403	123,001	6,490	135,894	13,824	47,586	61,410	105	
1990 ⁵									
January	6,360	125,829	6,169	138,358	15,458	54,332	69,790	114	
February	6,315	131,176	5,922	143,413	15,622	58,136	73,758	108	
March	6,294	138,636	5,879	150,808	15,117	57,706	72,823	104	
April	6,298	144,537	5,482	156,318	14,811	55,331	70,142	93	
May	6,315	150,362	6,557	163,233	15,459	55,149	70,608	102	
June	6,376	149,945	6,424	162,745	15,338	53,106	68,444	110	
July	6,420	142,208	6,352	154,979	15,606	56,280	71,886	109	
August	6,441	139,349	6,206	151,996	15,356	57,336	72,692	113	
September	6,486	136,607	6,027	149,120	15,677	60,196	75,873	95	
October	6,513	141,961	6,383	154,857	16,170	61,740	77,910	83	

¹ The collection of heavy and light petroleum data began in January 1980. Prior to 1980, totals were for steam and gas turbine/internal combustion.

² Anthracite includes anthracite silt stored off-site.

³ Bituminous coal includes subbituminous coal.

⁴ Data for 1989 are revised.

⁵ Data for 1990 are preliminary.

Notes: *Totals may not equal sum of components because of independent rounding. *Geographic coverage includes the 50 States and the District of Columbia. *Stocks are end-of-month stocks at electric utilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report," and predecessor forms.

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

Table 26. Stocks of Coal by Census Division and State
(Thousand Short Tons)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Monthly Percent Change	Yearly Percent Difference
New England	1,204	1,244	1,211	-3.2	-0.8
Connecticut	174	142	155	23.1	12.5
Maine	-	-	-	-	-
Massachusetts	671	724	805	-7.3	-16.7
New Hampshire	331	351	223	-5.7	48.3
Rhode Island	28	28	28	-	-
Vermont	-	-	-	-	-
Middle Atlantic	17,089	16,369	13,755	4.4	24.2
New Jersey	700	723	536	-3.2	30.5
New York	1,767	1,568	1,350	12.7	30.9
Pennsylvania	14,622	14,079	11,870	3.9	23.2
East North Central	39,943	38,075	36,515	4.9	9.4
Illinois	7,340	6,988	9,125	5.0	-19.6
Indiana	10,382	9,773	8,194	6.2	26.7
Michigan	9,210	8,236	8,419	11.8	9.4
Ohio	9,200	9,173	6,288	.3	46.3
Wisconsin	3,812	3,904	4,489	-2.4	-15.1
West North Central	19,495	18,882	20,576	3.2	-5.3
Iowa	4,307	4,037	4,359	6.7	-1.2
Kansas	3,485	3,241	3,509	7.5	-7
Minnesota	2,090	2,005	2,305	4.2	-9.3
Missouri	4,589	4,670	4,576	-1.7	.3
Nebraska	1,688	1,585	1,723	6.5	-2.0
North Dakota	3,066	3,073	3,814	-2	-19.6
South Dakota	270	272	291	-4	-7.1
South Atlantic	26,982	25,721	22,222	4.9	21.4
Delaware	357	355	292	.7	22.4
District of Columbia	-	-	-	-	-
Florida	4,601	4,651	4,313	-1.1	6.7
Georgia	5,357	5,122	4,677	4.6	14.5
Maryland	2,007	1,911	1,243	5.0	61.4
North Carolina	4,229	3,909	3,477	8.2	21.6
South Carolina	1,925	1,772	1,937	8.6	-8
Virginia	1,514	1,471	1,519	3.0	-3
West Virginia	6,991	6,530	4,764	7.1	46.8
East South Central	15,333	14,787	12,568	3.7	22.0
Alabama	3,830	3,804	3,919	.7	-2.2
Kentucky	7,323	6,891	4,617	6.3	58.6
Mississippi	650	612	790	6.3	-17.8
Tennessee	3,530	3,480	3,243	1.4	8.8
West South Central	15,017	14,268	16,777	5.2	-10.5
Arkansas	1,273	1,479	2,702	-14.0	-52.9
Louisiana	2,392	2,304	2,318	3.8	3.2
Oklahoma	2,896	2,825	2,989	2.5	-3.1
Texas	8,457	7,660	8,768	10.4	-3.5
Mountain	17,943	17,510	17,129	2.5	4.8
Arizona	3,054	2,804	3,630	8.9	-15.9
Colorado	3,678	3,613	3,967	1.8	-7.3
Idaho	-	-	-	-	-
Montana	886	835	813	6.1	9.0
Nevada	1,464	1,264	941	15.8	55.5
New Mexico	1,507	1,413	1,257	6.6	19.8
Utah	4,098	3,869	3,170	5.9	29.3
Wyoming	3,257	3,711	3,351	-12.2	-2.8
Pacific Contiguous	1,848	2,262	1,511	-18.3	22.3
California	-	-	-	-	-
Oregon	418	648	480	-35.5	-12.9
Washington	1,430	1,614	1,031	-11.4	38.7
Pacific Noncontiguous	2	1	5	105.5	-48.8
Alaska	2	1	5	105.5	-48.8
Hawaii	-	-	-	-	-
Total	154,857	149,120	142,270	3.8	8.8

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

Notes: •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Stocks are end-of-month stocks at electric utilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 27. Stocks of Petroleum by Census Division and State
(Thousand Barrels)

Census Division and State	October 1990 ¹	September 1990 ¹	October 1989 ²	Monthly Percent Change	Yearly Percent Difference
New England	5,985	7,274	7,219	-4.0	-3.2
Connecticut	3,116	3,072	2,792	1.4	11.6
Maine	478	508	698	-6.0	-31.6
Massachusetts	2,986	3,146	3,021	-5.1	-1.2
New Hampshire	270	410	514	-34.2	-47.5
Rhode Island	95	97	159	-1.9	-40.0
Vermont	40	40	35	-8	13.7
Middle Atlantic	17,812	16,470	15,809	8.1	12.7
New Jersey	2,742	2,573	2,616	6.5	4.8
New York	12,743	11,684	10,599	9.1	20.2
Pennsylvania	2,328	2,212	2,593	5.2	-10.2
East North Central	3,301	3,302	4,055	*	-18.6
Illinois	1,580	1,534	2,130	3.0	-25.8
Indiana	195	207	189	-5.9	2.9
Michigan	948	977	1,185	-3.0	-20.0
Ohio	361	362	352	-1	2.7
Wisconsin	217	222	198	-2.3	9.7
West North Central	1,758	1,764	1,770	-4	-7
Iowa	201	199	198	.8	1.5
Kansas	692	693	644	-1	7.5
Minnesota	120	121	150	-1.6	-20.5
Missouri	402	403	404	-1	-3
Nebraska	215	215	237	*	-9.4
North Dakota	55	58	61	-5.8	-9.9
South Dakota	72	75	76	-2.9	-4.0
South Atlantic	15,006	15,391	13,730	-2.5	9.3
Delaware	814	778	609	4.6	33.8
District of Columbia	116	113	97	2.7	19.1
Florida	7,892	8,286	6,797	-4.8	16.1
Georgia	531	553	576	-3.9	-7.8
Maryland	2,113	2,020	2,036	4.6	3.7
North Carolina	272	279	256	-2.5	6.2
South Carolina	501	496	479	1.1	4.6
Virginia	2,585	2,687	2,703	-3.8	-4.4
West Virginia	182	180	177	1.2	2.7
East South Central	1,604	1,422	1,470	12.8	9.1
Alabama	148	155	143	-4.4	3.2
Kentucky	98	101	124	-2.6	-20.8
Mississippi	913	739	823	23.7	11.0
Tennessee	445	428	380	4.0	17.1
West South Central	7,869	7,768	7,159	1.3	9.9
Arkansas	274	272	197	.8	38.6
Louisiana	1,281	1,284	1,217	-2	5.2
Oklahoma	529	453	444	16.8	19.1
Texas	5,785	5,760	5,301	.4	9.1
Mountain	1,875	1,853	1,727	1.1	8.5
Arizona	844	844	839	*	.6
Colorado	251	250	257	.4	-2.4
Idaho	14	14	14	-	-2.4
Montana	16	13	13	29.4	23.3
Nevada	517	501	368	3.2	40.3
New Mexico	106	106	173	-3	-39.0
Utah	99	100	33	-5	201.7
Wyoming	28	27	30	2.7	-6.0
Pacific Contiguous	20,290	19,462	17,458	4.3	16.2
California	18,855	19,020	17,134	4.4	15.9
Oregon	226	224	224	.6	1.0
Washington	210	218	101	-4.0	107.5
Pacific Noncontiguous	1,411	1,166	1,353	21.0	4.2
Alaska	260	239	236	9.0	10.3
Hawaii	1,151	928	1,117	24.0	3.0
Total	77,910	75,873	71,750	2.7	8.6

¹ Data for 1990 are preliminary.

² Data for 1989 are revised.

* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

Notes: •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •The October 1990 petroleum coke stocks were 83,392 short tons. •Stocks are end-of-month stocks at electric utilities.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Receipts/Cost

*Fuel is received for distribution
to electric utilities.*

Table 28. Receipts and Average Cost of Fossil Fuels

Year and Month	Coal ¹		Petroleum				Gas		All Fossil Fuels ²
	Quantity (thousand short tons)	Cost (cents per 10 ⁶ Btu)	Heavy Oil ³		Total ⁴		Quantity (thousand Mcf)	Cost (cents per 10 ⁶ Btu)	Cost (cents per 10 ⁶ Btu)
			Quantity (thousand barrels)	Cost (cents per 10 ⁶ Btu)	Quantity (thousand barrels)	Cost (cents per 10 ⁶ Btu)			
1980	593,995	135.1	394,159	426.7	419,140	435.1	3,588,814	219.9	192.8
1981	579,374	153.2	327,477	533.4	345,544	542.5	3,573,558	280.5	225.6
1982	601,427	164.7	228,200	483.2	239,111	492.2	3,161,348	337.6	224.9
1983	592,728	165.6	211,705	457.8	219,652	462.8	2,732,248	347.4	220.6
1984	684,111	166.4	193,832	481.2	202,372	486.3	2,878,808	^a 360.3	219.1
1985	666,743	164.8	156,410	424.4	164,947	431.7	2,808,921	^a 344.4	209.4
1986	686,964	157.9	220,585	240.1	228,522	243.7	2,387,822	^a 235.1	175.0
1987	721,298	150.6	187,300	297.6	194,578	301.1	2,605,191	^a 224.0	170.5
1988	727,775	146.6	230,234	240.5	236,924	243.9	2,362,721	226.3	164.3
1989 ⁵									
January	62,443	142.7	25,855	264.1	26,516	267.4	124,572	257.5	164.8
February	56,634	145.0	20,489	251.9	21,179	256.0	150,950	237.2	164.6
March	63,218	144.4	22,427	271.8	23,199	276.0	180,668	225.7	165.0
April	62,076	143.6	19,831	303.0	20,292	305.6	207,401	224.6	166.7
May	64,796	145.3	20,569	307.2	21,211	310.1	226,859	232.0	169.7
June	61,272	145.5	18,677	279.9	19,354	283.5	234,010	232.1	168.5
July	55,429	144.1	19,778	275.6	20,364	278.6	285,117	233.3	172.2
August	70,147	144.7	19,701	264.2	20,563	268.9	282,481	230.6	166.6
September	64,539	146.0	14,967	264.8	15,609	270.6	239,696	225.4	164.9
October	66,578	145.4	15,779	289.1	16,495	295.6	230,629	231.6	166.1
November	65,570	144.2	16,862	288.0	17,602	294.5	162,361	248.1	164.9
December	60,515	142.8	22,734	350.2	24,040	359.0	147,763	275.4	176.7
1989 ⁵	753,217	144.5	237,668	284.6	246,422	289.3	2,472,506	235.5	167.5
1990 ⁵									
January	67,637	145.0	26,481	403.8	27,416	409.5	126,832	293.8	182.6
February	62,280	146.4	19,190	338.2	19,683	340.7	113,436	269.3	171.0
March	67,518	145.5	15,028	295.2	15,499	299.3	165,802	231.0	162.9
April	63,888	147.1	13,521	254.7	13,978	260.5	180,912	221.9	161.9
May	64,958	147.5	13,003	244.8	15,551	250.8	220,164	212.4	162.2
June	63,604	146.3	18,065	219.4	18,609	224.1	267,993	209.3	161.7
July	63,427	144.3	22,150	239.9	22,788	243.8	294,672	214.6	164.5
August	70,571	144.5	18,768	341.0	19,320	346.2	304,424	215.9	169.1
September	65,728	144.6	13,452	389.5	13,968	397.5	268,756	214.2	168.4
Year-to-Date									
1990 ⁵	589,611	145.7	161,659	307.0	166,812	312.0	1,942,991	224.1	167.2
1989 ⁵	560,554	144.6	182,293	275.7	188,285	279.4	1,931,753	231.8	167.0

¹ Data include lignite, bituminous coal, subbituminous coal, and anthracite.

² The weighted average for all fossil fuels includes both heavy oil and light oil (Fuel Oil No. 2, kerosene, and jet fuel) prices. Data do not include petroleum coke.

³ Heavy oil includes Fuel Oil Nos. 4, 5, and 6, and topped crude fuel oil.

⁴ Data for 1980-1982 do not include small quantities of re-refined motor oil and liquefied petroleum gas.

⁵ Data for 1989 are revised and final. Data for 1990 are preliminary.

^a Revised.

Notes: •Totals may not equal sum of components because of independent rounding. •Data include Alaska and Hawaii. •Data for 1983 and forward are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Prior to January 1983, data are for plants with a capacity of 25 or more megawatts and include peaking units.

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

Table 29. Receipts of Coal by Type, Census Division, and State, September 1990

Census Division and State	Type of Coal									
	Anthracite		Bituminous		Subbituminous		Lignite		Total	
	Receipts (thousand short tons)	Receipts (billion Btu)	Receipts (thousand short tons)	Receipts (billion Btu)	Receipts (thousand short tons)	Receipts (billion Btu)	Receipts (thousand short tons)	Receipts (billion Btu)	Receipts (thousand short tons)	Receipts (billion Btu)
New England	-	-	410	10,856	-	-	-	-	410	10,856
Connecticut	-	-	64	1,686	-	-	-	-	64	1,686
Maine	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	251	6,606	-	-	-	-	251	6,606
New Hampshire	-	-	95	2,564	-	-	-	-	95	2,564
Rhode Island	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	97	1,528	4,884	121,694	-	-	-	-	4,981	123,222
New Jersey	-	-	224	5,966	-	-	-	-	224	5,966
New York	-	-	862	22,060	-	-	-	-	862	22,060
Pennsylvania	97	1,528	3,799	93,668	-	-	-	-	3,896	95,195
East North Central	-	-	11,001	257,863	4,084	73,678	-	-	15,085	331,541
Illinois	-	-	1,524	34,290	463	8,867	-	-	1,987	43,156
Indiana	-	-	3,252	72,576	1,084	18,730	-	-	4,337	91,306
Michigan	-	-	1,821	41,140	1,542	28,851	-	-	3,164	69,992
Ohio	-	-	4,103	97,661	-	-	-	-	4,103	97,661
Wisconsin	-	-	500	12,196	994	17,230	-	-	1,494	29,427
West North Central	-	-	1,695	37,810	4,586	78,557	1,806	20,973	7,887	137,340
Iowa	-	-	342	7,468	1,091	18,322	-	-	1,433	25,790
Kansas	-	-	160	3,517	930	15,558	-	-	1,090	19,075
Minnesota	-	-	13	289	1,325	23,234	-	-	1,338	23,523
Missouri	-	-	1,181	26,536	648	11,219	-	-	1,829	37,755
Nebraska	-	-	-	-	591	10,224	-	-	591	10,224
North Dakota	-	-	-	-	-	-	1,413	18,617	1,413	18,617
South Dakota	-	-	-	-	-	-	193	2,356	193	2,356
South Atlantic	-	-	10,961	273,888	246	4,165	-	-	11,207	278,053
Delaware	-	-	75	1,995	-	-	-	-	75	1,995
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	-	-	1,967	48,830	-	-	-	-	1,967	48,830
Georgia	-	-	2,221	54,091	246	4,165	-	-	2,468	58,257
Maryland	-	-	878	22,433	-	-	-	-	878	22,433
North Carolina	-	-	1,495	37,691	-	-	-	-	1,495	37,691
South Carolina	-	-	785	19,893	-	-	-	-	785	19,893
Virginia	-	-	858	21,990	-	-	-	-	858	21,990
West Virginia	-	-	2,682	66,964	-	-	-	-	2,682	66,964
East South Central	-	-	6,695	159,606	100	1,722	-	-	6,794	161,328
Alabama	-	-	1,917	46,794	-	-	-	-	1,917	46,794
Kentucky	-	-	2,699	62,513	100	1,722	-	-	2,798	64,234
Mississippi	-	-	296	7,497	-	-	-	-	296	7,497
Tennessee	-	-	1,782	42,802	-	-	-	-	1,782	42,802
West South Central	-	-	236	5,387	5,730	98,369	4,340	55,001	10,305	158,756
Arkansas	-	-	-	-	820	14,325	-	-	820	14,325
Louisiana	-	-	20	520	895	15,444	288	3,959	1,202	19,923
Oklahoma	-	-	78	1,944	1,115	19,297	-	-	1,193	21,240
Texas	-	-	138	2,924	2,900	49,303	4,052	51,042	7,089	103,268
Mountain	-	-	3,788	83,052	4,699	84,355	21	275	8,508	167,682
Arizona	-	-	1,156	24,315	250	4,890	-	-	1,406	29,205
Colorado	-	-	490	10,469	771	14,101	-	-	1,261	24,570
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	733	12,693	21	275	754	12,968
Nevada	-	-	645	14,471	47	913	-	-	692	15,385
New Mexico	-	-	-	-	1,243	22,902	-	-	1,243	22,902
Utah	-	-	1,294	29,813	-	-	-	-	1,294	29,813
Wyoming	-	-	203	3,983	1,655	28,855	-	-	1,858	32,838
Pacific	-	-	-	-	550	8,978	-	-	550	8,978
California	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	180	2,984	-	-	180	2,984
Washington	-	-	-	-	370	5,994	-	-	370	5,994
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-
U. S. Total	97	1,528	39,670	950,156	19,994	349,824	5,967	76,249	65,728	1,377,756

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Data for 1990 are preliminary.

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

Table 30. Receipts of Coal and Average Cost by Census Division and State

Census Division and State	September 1990 ¹		September 1989 ¹		Year to Date			
	Receipts (thousand short tons)	Receipts (billion Btu)	Receipts (thousand short tons)	Receipts (billion Btu)	Receipts (billion Btu)		Average Cost (cents per million Btu)	
					1990 ¹	1989 ¹	1990 ¹	1989 ¹
New England	410	10,856	475	12,457	124,868	119,281	179.8	188.8
Connecticut	64	1,686	76	2,055	19,872	16,241	211.5	214.5
Maine	-	-	-	-	-	-	-	-
Massachusetts	251	6,606	278	7,176	81,060	83,361	172.6	159.5
New Hampshire	96	2,564	121	3,226	23,935	19,659	177.8	170.4
Rhode Island	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-
Middle Atlantic	4,981	123,222	4,600	113,906	1,107,053	1,026,340	154.7	140.2
New Jersey	224	5,966	214	5,663	60,019	65,264	179.4	174.7
New York	862	22,060	742	19,073	201,166	186,396	161.0	157.0
Pennsylvania	3,896	95,195	3,644	89,170	845,868	774,680	151.4	143.8
East North Central	15,085	331,541	14,906	328,852	2,864,318	2,626,518	151.7	154.7
Illinois	1,987	43,156	2,158	46,080	424,937	394,918	175.7	181.6
Indiana	4,337	91,306	3,295	71,798	786,157	616,224	137.6	136.8
Michigan	3,164	69,992	3,404	74,433	479,148	473,612	162.1	174.9
Ohio	4,103	97,661	4,449	105,326	916,362	883,541	151.4	147.4
Wisconsin	1,494	29,427	1,601	31,214	257,715	258,221	136.4	144.5
West North Central	7,887	137,340	8,374	147,068	1,345,239	1,312,377	114.8	115.7
Iowa	1,433	25,790	1,288	23,691	207,445	194,516	113.9	123.5
Kansas	1,090	19,075	1,212	21,219	211,505	203,099	125.1	123.1
Minnesota	1,338	23,523	1,425	25,056	215,025	204,359	129.8	124.3
Missouri	1,829	37,755	2,187	45,065	377,302	386,835	137.3	135.0
Nebraska	591	10,224	590	10,251	108,084	96,307	76.4	86.3
North Dakota	1,413	18,617	1,472	19,309	207,244	208,139	68.5	69.4
South Dakota	193	2,356	201	2,477	18,633	19,122	115.2	124.2
South Atlantic	11,207	278,053	10,911	270,010	2,509,760	2,373,690	167.8	164.9
Delaware	75	1,995	155	4,051	41,475	34,806	182.9	179.9
District of Columbia	-	-	-	-	-	-	-	-
Florida	1,967	48,830	1,911	47,084	455,231	431,835	184.9	178.7
Georgia	2,418	58,257	2,069	49,807	502,309	461,129	173.2	175.4
Maryland	878	22,433	634	16,062	194,624	167,982	164.5	160.4
North Carolina	1,495	37,691	1,736	43,472	364,412	341,687	178.5	176.2
South Carolina	785	19,893	878	22,056	177,878	184,528	171.7	171.3
Virginia	858	21,990	789	19,952	149,481	186,410	154.8	152.9
West Virginia	2,682	66,964	2,740	67,525	624,351	565,314	146.8	141.4
East South Central	6,794	161,328	6,063	143,033	1,477,835	1,300,254	143.9	143.0
Alabama	1,917	46,794	1,821	43,762	399,529	380,884	186.2	186.6
Kentucky	2,798	64,234	2,559	58,791	624,987	526,010	119.3	113.4
Mississippi	296	7,497	333	8,463	74,340	66,328	164.3	160.0
Tennessee	1,782	42,802	1,350	32,017	378,779	327,032	135.9	131.5
West South Central	10,305	158,756	10,522	161,355	1,391,727	1,428,820	148.4	147.6
Arkansas	820	14,325	994	17,352	137,157	150,752	163.1	162.7
Louisiana	1,203	19,923	973	15,924	136,039	146,267	169.4	162.2
Oklahoma	1,193	21,240	1,252	22,134	194,329	194,193	139.2	136.9
Texas	7,089	103,268	7,303	105,945	924,202	935,608	145.1	145.1
Mountain	8,508	167,682	8,241	163,313	1,461,415	1,427,962	113.3	112.0
Arizona	1,406	29,205	1,267	26,849	241,067	239,542	144.9	138.4
Colorado	1,261	24,570	1,360	26,732	227,399	233,307	107.0	106.8
Idaho	-	-	-	-	-	-	-	-
Montana	754	12,968	888	15,267	113,962	125,604	64.1	54.9
Nevada	692	15,385	631	14,102	125,037	124,516	151.2	143.1
New Mexico	1,243	22,902	1,523	27,856	210,285	207,306	130.3	124.4
Utah	1,294	29,813	1,232	28,378	246,505	224,740	113.2	125.2
Wyoming	1,058	32,838	1,341	24,129	297,159	272,946	83.3	85.1
Pacific Contiguous	550	8,978	446	7,254	70,780	68,247	154.3	154.9
California	-	-	-	-	-	-	-	-
Oregon	180	2,984	-	-	6,695	-	110.5	-
Washington	370	5,994	446	7,254	64,085	68,247	158.9	154.9
Pacific Noncontiguous	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
U.S. Total	65,728	1,377,756	64,539	1,347,247	12,352,794	11,681,465	145.7	144.6

¹ Data for 1989 are revised and final. Data for 1990 are preliminary.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite.

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

Table 31. Receipts of Coal and Average Cost by Type of Purchase and Mining Method, Census Division and State, September 1990

Census Division and State	Type of Purchase						Type of Mining					
	Contract			Spot			Strip and Auger			Underground		
	Quantity	Average Delivered Cost		Quantity	Average Delivered Cost		Quantity	Average Delivered Cost		Quantity	Average Delivered Cost	
		(1,000 short tons)	(Cents per 10 ⁶ Btu) (\$ per short ton)		(1,000 short tons)	(Cents per 10 ⁶ Btu) (\$ per short ton)		(1,000 short tons)	(Cents per 10 ⁶ Btu) (\$ per short ton)		(1,000 short tons)	(Cents per 10 ⁶ Btu) (\$ per short ton)
New England	322	178.2	48.96	88	179.0	48.01	23	189.4	44.24	388	178.9	47.38
Connecticut	38	222.8	58.12	26	179.9	48.03	-	-	-	64	205.1	54.02
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	207	171.6	45.01	44	180.7	48.56	23	189.4	44.24	228	173.6	45.76
New Hampshire	77	174.0	46.70	19	173.7	46.69	-	-	-	91	173.9	46.70
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	3,944	158.3	39.38	1,037	140.9	34.14	1,895	146.6	35.53	3,086	159.6	39.98
New Jersey	201	179.9	47.95	22	186.6	49.80	52	177.6	46.66	172	181.5	48.59
New York	613	163.2	42.76	249	162.9	39.30	275	157.4	36.33	586	165.5	43.37
Pennsylvania	3,130	155.8	38.16	766	132.2	32.01	1,568	143.5	34.67	2,328	156.3	38.49
East North Central	11,349	156.1	34.10	3,735	123.8	27.73	10,464	141.3	29.89	4,621	161.3	38.47
Illinois	1,778	183.9	39.95	209	123.9	26.83	1,029	202.7	42.31	958	152.8	34.56
Indiana	3,304	135.1	28.25	1,033	117.5	25.31	3,427	123.7	25.70	909	156.0	34.51
Michigan	2,427	155.2	34.06	737	143.1	32.49	2,382	144.5	30.15	781	171.4	44.51
Ohio	2,647	167.7	39.99	1,456	119.3	28.30	2,395	141.1	33.26	1,708	163.6	39.47
Wisconsin	1,193	143.2	28.60	301	119.4	22.23	1,231	131.9	24.17	263	160.8	42.00
West North Central	6,454	115.3	19.85	1,433	102.4	18.74	7,264	105.2	17.82	623	178.4	41.03
Iowa	961	127.5	23.14	473	95.4	16.86	1,380	114.7	20.46	53	166.7	36.72
Kansas	753	135.2	23.07	337	96.4	17.81	1,070	119.8	20.85	19	204.2	54.00
Minnesota	1,274	113.0	19.83	64	121.2	22.05	1,333	113.1	19.86	5	172.5	41.97
Missouri	1,437	141.7	29.71	392	125.5	24.43	1,283	118.8	23.31	545	177.5	40.98
Nebraska	423	72.2	12.58	168	66.9	11.33	591	70.7	12.23	-	-	-
North Dakota	1,413	68.0	8.95	-	-	-	1,413	68.0	8.95	-	-	-
South Dakota	193	110.9	13.54	-	-	-	193	110.9	13.54	-	-	-
South Atlantic	8,281	175.7	43.86	2,927	143.2	34.87	4,246	165.0	40.29	6,981	168.7	42.26
Delaware	75	195.2	51.99	-	-	-	15	187.0	50.57	60	197.3	52.34
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	1,596	192.5	47.69	371	150.7	37.71	699	178.9	43.92	1,269	187.7	46.85
Georgia	1,522	187.5	45.20	946	150.3	34.28	1,235	164.2	37.77	1,233	182.8	44.26
Maryland	684	164.4	42.00	194	164.7	42.22	483	169.3	42.81	394	158.7	41.11
North Carolina	1,204	182.9	46.14	290	141.4	35.62	715	173.0	43.55	780	176.6	44.60
South Carolina	554	179.1	45.34	231	156.4	39.62	143	164.9	42.26	642	174.1	43.97
Virginia	493	156.3	40.26	364	140.1	35.69	281	149.4	38.30	576	149.5	38.33
West Virginia	2,152	157.7	39.55	530	114.9	28.21	675	146.1	36.05	2,006	150.5	37.73
East South Central	5,289	149.7	35.46	1,505	122.8	29.42	3,638	142.5	33.54	3,156	145.1	34.79
Alabama	1,389	205.5	50.32	529	128.8	31.18	974	183.3	45.15	944	185.9	44.92
Kentucky	2,164	119.1	27.04	635	115.3	27.44	1,833	117.2	27.04	966	120.3	27.31
Mississippi	250	170.9	43.54	47	141.9	34.63	43	166.7	40.92	253	166.5	42.35
Tennessee	1,487	134.9	32.47	295	124.9	29.72	789	146.2	33.91	994	123.7	30.50
West South Central	9,979	151.4	23.17	326	120.2	22.27	10,265	150.0	23.06	41	190.3	44.83
Arkansas	820	153.8	26.86	-	-	-	820	153.8	26.86	-	-	-
Louisiana	1,202	170.0	28.16	-	-	-	1,183	169.1	27.74	20	204.1	53.78
Oklahoma	1,072	143.1	25.04	121	120.4	24.65	1,193	140.4	25.00	-	-	-
Texas	6,885	148.9	21.57	205	120.0	20.86	7,069	147.8	21.50	21	173.9	36.35
Mountain	7,910	114.3	22.42	599	92.0	19.24	8,631	108.2	20.34	1,877	125.7	28.78
Arizona	1,406	143.5	29.81	-	-	-	1,325	141.6	29.18	81	171.1	40.05
Colorado	1,002	105.2	19.97	259	99.6	21.34	1,002	99.4	18.83	259	119.5	25.76
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	754	58.2	10.02	-	-	-	754	58.2	10.02	-	-	-
Nevada	692	144.6	32.15	-	-	-	448	124.8	26.93	243	178.0	41.76
New Mexico	1,243	134.8	24.83	-	-	-	1,243	134.8	24.83	-	-	-
Utah	1,151	114.9	26.40	143	106.5	24.99	-	-	-	1,294	113.9	26.24
Wyoming	1,662	83.5	14.89	196	66.8	12.25	1,858	81.7	14.43	-	-	-
Pacific	550	138.9	22.70	-	-	-	550	138.9	22.70	-	-	-
California	-	-	-	-	-	-	-	-	-	-	-	-
Oregon	180	110.5	18.37	-	-	-	180	110.5	18.37	-	-	-
Washington	370	153.1	24.80	-	-	-	370	153.1	24.80	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
U. S. Total	54,078	148.7	30.85	11,650	127.3	28.77	44,976	136.2	26.41	20,752	159.1	38.78

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. *Data for 1990 are preliminary. *Mcf=thousand cubic feet.

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

**Table 32. Receipts of Coal and Average Cost by Sulfur Content,
Census Division and State, September 1990**

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	Average Delivered Cost		Quantity	Average Delivered Cost		Quantity	Average Delivered Cost	
		(1,000 short tons)	(Cents per 10 ⁶ Btu)		(1,000 short tons)	(Cents per 10 ⁶ Btu)		(1,000 short tons)	(Cents per 10 ⁶ Btu)
New England	38	222.8	58.12	47	180.2	48.78	238	172.6	45.33
Connecticut	38	222.8	58.12	26	179.9	48.03	-	-	-
Maine	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	21	180.7	49.72	230	172.5	45.25
New Hampshire	-	-	-	-	-	-	8	176.2	47.51
Rhode Island	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Middle Atlantic	31	212.6	54.12	602	172.8	42.11	227	152.8	38.86
New Jersey	-	-	-	178	182.4	48.94	-	-	-
New York	27	221.9	58.45	161	202.6	51.42	65	164.3	41.47
Pennsylvania	4	127.7	24.82	263	144.0	31.80	162	148.2	37.81
East North Central	3,931	143.2	25.90	2,467	162.0	39.46	1,259	159.8	38.88
Illinois	478	284.1	54.71	319	164.0	41.24	13	51.3	8.26
Indiana	1,095	124.8	21.61	168	173.8	41.82	92	121.4	27.10
Michigan	1,491	128.4	24.07	1,172	169.3	42.05	392	171.2	45.05
Ohio	1	174.8	40.11	641	142.6	34.66	721	156.4	37.01
Wisconsin	865	107.2	18.54	168	170.3	33.91	41	203.4	49.05
West North Central	3,810	99.3	16.97	2,067	97.5	14.71	673	143.0	24.09
Iowa	1,091	102.0	17.12	51	129.8	26.91	22	132.2	27.90
Kansas	930	117.6	19.68	49	135.7	28.22	-	-	-
Minnesota	645	99.0	17.44	676	126.2	21.97	4	173.3	42.39
Missouri	553	95.3	16.80	106	105.0	18.38	226	208.4	48.76
Nebraska	591	70.7	12.23	-	-	-	-	-	-
North Dakota	-	-	-	1,185	70.1	9.15	228	57.6	7.92
South Dakota	-	-	-	-	-	-	193	110.9	13.54
South Atlantic	249	145.9	24.81	3,629	172.5	43.47	3,488	171.5	42.89
Delaware	-	-	-	68	198.6	52.92	7	163.6	43.35
District of Columbia	-	-	-	-	-	-	-	-	-
Florida	-	-	-	708	180.8	45.83	527	191.1	48.27
Georgia	246	145.3	24.56	340	205.0	51.21	982	165.4	40.57
Maryland	-	-	-	268	156.4	40.09	42	167.2	43.10
North Carolina	-	-	-	781	177.9	44.31	705	172.1	43.95
South Carolina	-	-	-	133	165.7	41.97	521	174.9	44.31
Virginia	3	176.0	45.26	549	148.5	37.81	269	151.1	39.13
West Virginia	-	-	-	783	167.1	41.70	435	169.2	40.46
East South Central	114	124.0	22.70	1,686	183.8	45.08	885	143.3	35.15
Alabama	-	-	-	781	216.2	53.36	331	170.1	41.33
Kentucky	114	124.0	22.70	568	134.3	33.06	236	117.2	28.00
Mississippi	-	-	-	123	166.8	43.15	57	205.9	51.11
Tennessee	-	-	-	214	208.8	47.87	261	119.6	30.33
West South Central	6,931	161.9	26.69	1,223	153.2	21.13	1,646	99.9	12.87
Arkansas	820	153.8	26.86	-	-	-	-	-	-
Louisiana	895	179.5	30.98	308	137.2	19.97	-	-	-
Oklahoma	1,117	140.6	24.35	33	150.7	35.92	22	149.0	37.16
Texas	4,098	165.8	26.36	883	159.5	20.98	1,625	98.6	12.55
Mountain	4,112	116.8	23.14	4,375	108.8	21.33	21	93.1	18.94
Arizona	1,127	135.5	28.69	279	179.5	34.29	-	-	-
Colorado	1,225	104.1	20.20	36	100.4	22.25	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Montana	-	-	-	754	58.2	10.02	-	-	-
Nevada	518	133.8	29.01	173	173.8	41.53	-	-	-
New Mexico	-	-	-	1,243	134.8	24.83	-	-	-
Utah	388	175.6	39.86	906	88.0	20.41	-	-	-
Wyoming	853	55.1	8.88	984	101.0	19.15	21	93.1	18.94
Pacific	180	110.5	18.37	370	153.1	24.80	-	-	-
California	-	-	-	-	-	-	-	-	-
Oregon	180	110.5	18.37	-	-	-	-	-	-
Washington	-	-	-	370	153.1	24.80	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-
U. S. Total	19,396	134.8	23.85	16,467	148.4	31.43	8,439	155.5	34.02

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Data for 1990 are preliminary.

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

**Table 32. Receipts of Coal and Average Cost by Sulfur Content,
Census Division and State, September 1990 (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	Average Delivered Cost		Quantity	Average Delivered Cost		Quantity	Average Delivered Cost			
	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)	(Cents per 10 ⁶ Btu)	(\$ per short ton)
New England	-	-	-	87	173.7	46.62	-	-	-	178.3	47.18
Connecticut	-	-	-	-	-	-	-	-	-	205.1	54.02
Maine	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-	-	-	-	173.2	45.62
New Hampshire	-	-	-	87	173.7	46.62	-	-	-	173.9	46.70
Rhode Island	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	1,574	149.7	36.65	1,940	154.4	38.88	607	148.9	35.80	154.8	38.29
New Jersey	-	-	-	46	173.2	45.06	-	-	-	180.6	48.14
New York	214	157.9	39.98	386	145.7	37.69	7	138.7	35.89	163.1	41.76
Pennsylvania	1,360	148.3	36.13	1,507	156.1	39.00	600	149.0	35.79	151.2	36.95
East North Central	931	152.4	36.14	2,868	142.0	32.58	3,629	140.9	31.79	148.0	32.52
Illinois	83	121.7	28.88	575	135.6	29.79	519	159.3	34.10	177.6	38.57
Indiana	363	167.3	36.24	998	125.7	28.00	1,622	125.0	27.88	130.8	27.55
Michigan	-	-	-	67	134.6	32.65	42	159.6	37.82	152.3	33.69
Ohio	258	141.3	35.08	1,036	152.7	36.87	1,446	151.5	35.18	150.6	35.84
Wisconsin	227	154.9	39.84	193	186.4	41.57	-	-	-	138.7	27.32
West North Central	76	133.9	29.86	590	150.5	33.64	570	145.0	31.98	112.9	19.65
Iowa	70	135.7	30.28	152	162.7	35.53	47	189.4	42.55	117.1	21.07
Kansas	-	-	-	111	147.5	33.23	-	-	-	122.5	21.44
Minnesota	5	114.4	25.59	8	161.7	36.00	-	-	-	113.4	19.94
Missouri	1	103.5	21.95	420	146.8	33.03	522	140.9	31.02	138.4	28.58
Nebraska	-	-	-	-	-	-	-	-	-	70.7	12.23
North Dakota	-	-	-	-	-	-	-	-	-	68.0	8.95
South Dakota	-	-	-	-	-	-	-	-	-	110.9	13.54
South Atlantic	1,258	158.6	40.02	1,404	173.1	42.80	1,178	144.0	35.02	167.3	41.51
Delaware	-	56.1	40.06	-	-	-	-	-	-	195.2	51.99
District of Columbia	-	-	-	-	-	-	-	-	-	-	-
Florida	-	-	-	584	194.3	46.82	149	140.0	33.02	184.6	45.81
Georgia	236	170.8	43.59	334	178.8	43.01	331	178.0	40.29	173.7	41.01
Maryland	452	168.9	42.97	116	165.0	42.58	-	-	-	164.5	42.05
North Carolina	9	138.2	36.71	-	-	-	-	-	-	174.9	44.10
South Carolina	118	170.4	42.94	13	157.7	41.33	-	-	-	172.4	43.66
Virginia	37	150.6	39.41	-	-	-	-	-	-	149.5	38.32
West Virginia	407	137.3	33.96	358	139.2	36.16	699	130.4	32.95	149.4	37.31
East South Central	529	127.3	31.10	2,347	133.4	31.62	1,233	113.9	25.50	143.7	34.12
Alabama	44	145.2	35.78	645	166.0	40.36	116	124.8	29.06	184.5	45.04
Kentucky	37	123.9	30.29	726	112.3	25.84	1,117	112.7	25.13	118.2	27.13
Mississippi	-	-	-	116	147.0	36.70	-	-	-	166.5	42.14
Tennessee	448	125.8	30.71	859	123.6	29.26	-	-	-	133.3	32.01
West South Central	484	100.0	11.98	-	-	-	21	111.6	29.60	150.2	23.14
Arkansas	-	-	-	-	-	-	-	-	-	153.8	26.86
Louisiana	-	-	-	-	-	-	-	-	-	170.0	28.16
Oklahoma	-	-	-	-	-	-	21	111.6	29.60	140.4	25.00
Texas	484	100.0	11.98	-	-	-	-	-	-	147.9	21.55
Mountain	-	-	-	-	-	-	-	-	-	112.6	22.20
Arizona	-	-	-	-	-	-	-	-	-	143.5	29.81
Colorado	-	-	-	-	-	-	-	-	-	104.0	20.25
Idaho	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	58.2	10.02
Nevada	-	-	-	-	-	-	-	-	-	144.6	32.15
New Mexico	-	-	-	-	-	-	-	-	-	134.8	24.83
Utah	-	-	-	-	-	-	-	-	-	113.9	26.24
Wyoming	-	-	-	-	-	-	-	-	-	81.7	14.43
Pacific	-	-	-	-	-	-	-	-	-	138.9	22.70
California	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	110.5	18.37
Washington	-	-	-	-	-	-	-	-	-	153.1	24.80
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-
U. S. Total	4,853	147.4	34.25	9,336	148.3	35.40	7,238	137.9	31.59	144.6	30.32

* = Number less than 0.05 rounded to zero.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. *Data for 1990 are preliminary.

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

Table 33. Receipts of Petroleum by Type, Census Division, and State, September 1990

Census Division and State	Type of Petroleum									
	No. 2 Fuel Oil		No. 4 Fuel Oil ¹		No. 5 Fuel Oil ¹		No. 6 Fuel Oil		Total	
	Receipts (thousand barrels)	Receipts (billion Btu)	Receipts (thousand barrels)	Receipts (billion Btu)	Receipts (thousand barrels)	Receipts (billion Btu)	Receipts (thousand barrels)	Receipts (billion Btu)	Receipts (thousand barrels)	Receipts (billion Btu)
New England	10	58	-	-	-	-	2,157	13,785	2,167	13,843
Connecticut	3	17	-	-	-	-	1,043	6,620	1,046	6,637
Maine	-	-	-	-	-	-	-	-	-	-
Massachusetts	3	20	-	-	-	-	-	-	-	-
New Hampshire	4	21	-	-	-	-	764	4,826	768	4,846
Rhode Island	-	-	-	-	-	-	349	2,339	353	2,360
Vermont	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	100	585	-	-	-	-	5,072	31,981	5,172	32,565
New Jersey	2	11	-	-	-	-	276	1,727	278	1,738
New York	3	15	-	-	-	-	4,710	29,707	4,712	29,722
Pennsylvania	95	559	-	-	-	-	86	546	181	1,105
East North Central	130	750	-	-	-	-	244	1,540	374	2,290
Illinois	34	196	-	-	-	-	126	799	160	995
Indiana	31	178	-	-	-	-	-	-	31	178
Michigan	20	113	-	-	-	-	90	561	110	674
Ohio	30	173	-	-	-	-	28	180	58	352
Wisconsin	16	91	-	-	-	-	-	-	16	91
West North Central	24	137	-	-	-	-	-	-	24	137
Iowa	11	61	-	-	-	-	-	-	11	61
Kansas	5	28	-	-	-	-	-	-	5	28
Minnesota	1	7	-	-	-	-	-	-	1	7
Missouri	2	13	-	-	-	-	-	-	2	13
Nebraska	-	-	-	-	-	-	-	-	-	-
North Dakota	5	27	-	-	-	-	-	-	5	27
South Dakota	-	-	-	-	-	-	-	-	-	-
South Atlantic	110	639	-	-	-	-	4,986	31,688	5,095	32,326
Delaware	-	-	-	-	-	-	160	1,019	160	1,019
District of Columbia	-	-	-	-	-	-	-	-	-	-
Florida	28	162	-	-	-	-	4,241	26,990	4,268	27,152
Georgia	17	99	-	-	-	-	-	-	17	99
Maryland	15	88	-	-	-	-	585	3,678	601	3,766
North Carolina	15	85	-	-	-	-	-	-	15	85
South Carolina	1	3	-	-	-	-	-	-	1	3
Virginia	4	25	-	-	-	-	-	-	4	25
West Virginia	30	177	-	-	-	-	-	-	30	177
East South Central	58	340	-	-	-	-	190	1,205	248	1,545
Alabama	21	124	-	-	-	-	-	-	21	124
Kentucky	18	103	-	-	-	-	-	-	18	103
Mississippi	2	15	-	-	-	-	190	1,205	192	1,220
Tennessee	17	98	-	-	-	-	-	-	17	98
West South Central	59	351	8	47	-	-	36	224	103	621
Arkansas	12	67	-	-	-	-	-	-	12	67
Louisiana	33	195	-	-	-	-	19	120	52	315
Oklahoma	-	-	-	-	-	-	-	2	-	2
Texas	15	89	8	47	-	-	16	102	39	237
Mountain	24	139	-	-	3	15	3	19	29	173
Arizona	3	18	-	-	-	-	-	-	3	18
Colorado	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-
Montana	8	47	-	-	-	-	-	-	8	47
Nevada	-	-	-	-	-	-	-	-	-	-
New Mexico	5	27	-	-	3	15	3	19	3	19
Utah	2	12	-	-	-	-	-	-	2	12
Wyoming	6	35	-	-	-	-	-	-	6	35
Pacific	2	12	-	-	-	-	1	4	3	16
California	-	-	-	-	-	-	1	4	1	4
Oregon	-	-	-	-	-	-	-	-	-	-
Washington	2	12	-	-	-	-	-	-	2	12
Pacific Noncontiguous	-	-	-	-	-	-	754	4,694	754	4,694
Alaska	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	754	4,694	754	4,694
U. S. Total	516	3,009	8	47	3	15	13,441	85,141	13,968	88,211

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

- = Number less than 0.05 rounded to zero.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Data for 1990 are preliminary.

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

Table 34. Receipts of Petroleum and Average Cost by Census Division and State

Census Division and State	September 1990 ¹		September 1989 ¹		Year to Date			
	thousand barrels	Receipts (billion Btu)	thousand barrels	Receipts (billion Btu)	Receipts (billion Btu)		Average Cost (cents per million Btu)	
					1990 ¹	1989 ¹	1990 ¹	1989 ¹
New England	2,167	13,843	3,275	20,817	253,867	284,277	269.7	261.2
Connecticut	1,046	6,637	761	4,804	80,472	92,119	285.5	276.4
Maine	-	-	199	1,275	20,251	21,520	259.7	266.9
Massachusetts	768	4,846	2,022	12,804	128,207	140,406	270.0	258.6
New Hampshire	353	2,360	262	1,934	22,947	26,860	214.2	217.9
Rhode Island	-	-	-	-	1,990	3,372	354.4	260.6
Vermont	-	-	-	-	-	-	-	-
Middle Atlantic	5,172	32,565	4,894	30,883	365,890	424,877	336.0	282.2
New Jersey	278	1,738	825	5,163	28,853	62,387	338.1	287.6
New York	4,712	29,722	3,953	25,026	299,870	299,279	337.4	281.6
Pennsylvania	181	1,105	115	697	37,167	63,210	323.5	279.7
East North Central	374	2,290	358	2,207	23,088	29,033	359.3	331.9
Illinois	160	995	225	1,412	10,317	11,334	357.9	341.8
Indiana	31	178	18	103	1,599	1,671	462.3	396.3
Michigan	110	674	67	405	8,137	11,600	318.9	311.7
Ohio	58	352	38	232	2,742	3,983	412.7	330.0
Wisconsin	16	91	10	56	293	445	469.2	379.9
West North Central	24	137	24	145	1,603	1,836	416.8	345.0
Iowa	11	61	-	1	359	189	457.9	399.6
Kansas	5	28	-	-	171	239	477.7	403.0
Minnesota	1	7	1	8	115	94	485.3	428.7
Missouri	2	13	20	122	725	513	362.8	326.7
Nebraska	-	-	-	-	14	412	394.9	232.5
North Dakota	5	27	2	14	189	347	440.2	401.0
South Dakota	-	-	-	-	29	42	484.7	444.1
South Atlantic	5,095	32,326	4,649	29,379	280,626	330,294	286.9	271.7
Delaware	160	1,019	367	2,316	12,319	18,527	273.1	265.9
District of Columbia	-	-	94	567	4,392	5,997	354.0	321.5
Florida	4,268	27,152	3,022	19,220	210,255	212,288	276.1	268.1
Georgia	17	99	14	81	1,458	1,001	442.3	375.7
Maryland	601	3,766	866	5,458	36,999	51,605	298.3	264.7
North Carolina	15	85	14	80	1,094	911	469.7	381.3
South Carolina	1	3	10	57	209	306	509.8	393.2
Virginia	4	25	246	1,503	12,351	37,620	359.7	281.3
West Virginia	30	177	17	98	1,549	2,039	516.2	434.2
East South Central	248	1,545	38	224	8,902	8,461	290.2	295.6
Alabama	21	124	9	53	504	576	506.5	394.6
Kentucky	18	103	20	120	714	836	502.0	454.0
Mississippi	192	1,220	2	12	7,290	6,533	243.4	259.5
Tennessee	17	98	7	40	395	516	494.4	384.7
West South Central	103	621	264	1,581	6,256	9,253	430.6	360.9
Arkansas	12	67	9	52	619	971	478.2	386.9
Louisiana	52	315	7	44	2,048	1,074	349.7	436.5
Oklahoma	-	2	3	15	4	163	356.2	393.0
Texas	39	237	245	1,451	3,585	7,046	468.7	345.0
Mountain	29	173	62	373	4,240	5,600	383.3	327.7
Arizona	3	18	15	90	1,499	1,403	418.2	395.1
Colorado	-	-	-	-	162	117	470.9	374.5
Idaho	-	-	-	-	-	-	-	-
Montana	8	47	4	24	195	201	500.6	417.4
Nevada	3	19	27	171	1,614	2,850	292.7	260.3
New Mexico	7	42	5	31	239	269	448.4	384.6
Utah	2	12	1	6	100	171	465.0	423.4
Wyoming	6	35	9	51	431	589	460.5	399.7
Pacific Contiguous	3	16	899	5,535	58,027	40,104	394.5	310.0
California	1	4	898	5,529	57,811	39,767	394.3	309.8
Oregon	-	-	-	-	78	48	347.3	427.8
Washington	2	12	-	6	138	290	493.7	313.5
Pacific Noncontiguous	754	4,694	1,147	7,176	46,412	49,338	357.5	330.6
Alaska	-	-	-	-	-	-	-	-
Hawaii	754	4,694	1,147	7,176	46,412	49,338	357.5	330.6
U.S. Total	13,968	88,211	15,609	98,303	1,048,912	1,183,074	312.0	279.4

¹ Data for 1989 are revised and final. Data for 1990 are preliminary.

The absolute value of the number is less than 0.5.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •The September 1990 petroleum coke receipts were 33 000 short tons and the cost was 81.2 cents per million Btu.

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

**Table 35. Receipts of Petroleum and Average Cost by Type of Petroleum,
Census Division and State, September 1990**

Census Division and State	Fuel Oil No. 6 by Type of Purchase						Averaged Delivered Cost of Fuel Oils					
	Contract			Spot			No. 2		No. 4-No. 5		No. 6	
	Quantity	Average Delivered Cost		Quantity	Average Delivered Cost		(Cents per 10 ⁶ Btu)	(\$ per bbl)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(Cents per 10 ⁶ Btu)	(\$ per bbl)
	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)						
New England	1,920	346.8	22.19	237	369.7	23.44	646.2	37.51	-	-	349.3	22.33
Connecticut	806	393.7	24.99	237	369.7	23.44	673.7	38.90	-	-	388.2	24.64
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	764	336.2	21.22	-	-	-	608.4	35.50	-	-	336.2	21.22
New Hampshire	349	266.3	17.83	-	-	-	661.6	38.26	-	-	266.3	17.83
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	4,001	432.4	27.22	1,071	455.8	28.93	589.4	34.52	-	-	437.4	27.50
New Jersey	203	496.3	30.81	73	453.1	28.99	712.5	41.16	-	-	484.6	30.33
New York	3,749	429.2	27.03	961	456.8	28.99	691.2	39.97	-	-	434.8	27.43
Pennsylvania	49	421.5	26.90	37	435.2	27.44	584.2	34.24	-	-	427.4	27.13
East North Central	126	372.6	23.64	118	285.0	17.84	637.3	36.85	-	-	330.5	20.83
Illinois	126	372.6	23.64	-	-	-	665.8	38.70	-	-	372.6	23.64
Indiana	-	-	-	-	-	-	640.9	36.66	-	-	-	-
Michigan	-	-	-	90	276.1	17.14	595.6	34.50	-	-	276.1	17.14
Ohio	-	-	-	28	312.9	20.08	646.5	37.33	-	-	312.9	20.08
Wisconsin	-	-	-	-	-	-	603.5	35.22	-	-	-	-
West North Central	-	-	-	-	-	-	669.7	38.93	-	-	-	-
Iowa	-	-	-	-	-	-	622.2	36.23	-	-	-	-
Kansas	-	-	-	-	-	-	743.2	43.16	-	-	-	-
Minnesota	-	-	-	-	-	-	637.2	36.90	-	-	-	-
Missouri	-	-	-	-	-	-	691.3	40.34	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	698.8	40.48	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	3,793	370.3	23.54	1,193	355.6	22.59	665.3	38.73	-	-	366.7	23.31
Delaware	45	340.0	21.62	115	361.1	23.11	-	-	-	-	355.2	22.69
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	3,175	372.9	23.75	1,065	354.9	22.52	622.7	36.47	-	-	368.3	23.44
Georgia	-	-	-	-	-	-	674.7	39.11	-	-	-	-
Maryland	572	358.1	22.49	13	365.2	23.37	647.0	37.25	-	-	358.2	22.51
North Carolina	-	-	-	-	-	-	627.7	36.44	-	-	-	-
South Carolina	-	-	-	-	-	-	631.7	36.61	-	-	-	-
Virginia	-	-	-	-	-	-	642.4	37.68	-	-	-	-
West Virginia	-	-	-	-	-	-	729.7	42.62	-	-	-	-
East South Central	190	194.4	12.35	-	-	-	639.9	37.27	-	-	194.4	12.35
Alabama	-	-	-	-	-	-	653.6	37.84	-	-	-	-
Kentucky	-	-	-	-	-	-	640.7	37.49	-	-	-	-
Mississippi	190	194.4	12.35	-	-	-	498.5	29.93	-	-	194.4	12.35
Tennessee	-	-	-	-	-	-	643.0	37.39	-	-	-	-
West South Central	35	291.9	18.34	*	304.3	19.85	543.0	32.04	297.0	17.76	292.0	18.35
Arkansas	-	-	-	-	-	-	499.2	28.96	-	-	-	-
Louisiana	19	242.5	15.34	-	-	-	527.1	31.36	-	-	242.5	15.34
Oklahoma	-	-	-	-	-	-	-	-	-	-	304.3	19.85
Texas	16	350.0	21.83	-	-	-	611.3	35.85	297.0	17.76	350.0	21.83
Mountain	-	-	-	3	270.5	16.91	628.1	36.76	273.5	16.66	270.5	16.91
Arizona	-	-	-	-	-	-	647.0	38.02	-	-	-	-
Colorado	-	-	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	644.9	38.19	-	-	-	-
Nevada	-	-	-	3	270.5	16.91	-	-	-	-	270.5	16.91
New Mexico	-	-	-	-	-	-	735.8	42.03	273.5	16.66	-	-
Utah	-	-	-	-	-	-	635.0	37.34	-	-	-	-
Wyoming	-	-	-	-	-	-	511.5	29.92	-	-	-	-
Pacific	-	-	-	1	258.6	16.24	479.4	28.19	-	-	258.6	16.24
California	-	-	-	1	258.6	16.24	-	-	-	-	258.6	16.24
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	479.4	28.19	-	-	-	-
Pacific Noncontiguous	754	411.3	25.61	-	-	-	-	-	-	-	411.3	25.61
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	754	411.3	25.61	-	-	-	-	-	-	-	411.3	25.61
U. S. Total	10,819	388.4	24.59	2,623	394.5	25.03	623.8	36.36	291.2	17.50	399.8	24.68

* - Number less than 0.05 rounded to zero.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Data for 1990 are preliminary.

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

Table 36. Receipts of Heavy Oil and Average Cost by Sulfur Content, Census Division and State, September 1990

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	Average Delivered Cost		Quantity	Average Delivered Cost		Quantity	Average Delivered Cost	
	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)
New England	-	-	-	170	455.6	28.30	1,120	373.5	23.73
Connecticut	-	-	-	170	455.6	28.30	873	375.5	23.93
Maine	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-	247	366.2	23.00
New Hampshire	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Middle Atlantic	1,639	498.4	30.89	211	462.6	29.08	1,857	420.4	26.79
New Jersey	189	497.8	30.88	12	499.9	31.24	76	450.5	28.80
New York	1,450	498.5	30.89	113	485.9	30.35	1,781	419.1	26.71
Pennsylvania	-	-	-	86	427.4	27.13	-	-	-
East North Central	-	-	-	-	-	-	244	330.5	20.83
Illinois	-	-	-	-	-	-	126	372.6	23.64
Indiana	-	-	-	-	-	-	-	-	-
Michigan	-	-	-	-	-	-	90	276.1	17.14
Ohio	-	-	-	-	-	-	28	312.9	20.08
Wisconsin	-	-	-	-	-	-	-	-	-
West North Central	-	-	-	-	-	-	-	-	-
Iowa	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-	-	-	-
Missouri	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-
South Atlantic	-	-	-	-	-	-	3,621	384.6	24.40
Delaware	-	-	-	-	-	-	115	361.1	23.11
District of Columbia	-	-	-	-	-	-	-	-	-
Florida	-	-	-	-	-	-	3,189	385.0	24.52
Georgia	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	318	388.7	24.48
North Carolina	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-
West Virginia	-	-	-	-	-	-	-	-	-
East South Central	-	-	-	-	-	-	-	-	-
Alabama	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	-	-	-	-	-	-
Tennessee	-	-	-	-	-	-	-	-	-
West South Central	-	-	-	-	-	-	24	333.3	20.51
Arkansas	-	-	-	-	-	-	-	-	-
Louisiana	-	-	-	-	-	-	-	-	-
Oklahoma	-	-	-	-	-	-	-	-	-
Texas	-	-	-	-	-	-	24	333.3	20.51
Mountain	-	-	-	-	-	-	6	271.9	16.79
Arizona	-	-	-	-	-	-	-	-	-
Colorado	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	3	270.5	16.91
New Mexico	-	-	-	-	-	-	3	273.5	16.66
Utah	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-
Pacific	-	-	-	-	-	-	-	-	-
California	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	-	-	-	754	411.3	25.61	-	-	-
Alaska	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	754	411.3	25.61	-	-	-
U. S. Total	1,639	498.4	30.89	1,135	427.5	26.66	6,872	390.3	24.83

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Fuel Oil No. 2 has been omitted from this table. •Oil and petroleum are used interchangeably in this report. •Data for 1990 are preliminary.

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

Table 36. Receipts of Heavy Oil and Average Cost by Sulfur Content, Census Division and State, September 1990 (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	Average Delivered Cost		Quantity	Average Delivered Cost		Quantity	Average Delivered Cost			
	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(Cents per 10 ⁶ Btu)	(\$ per bbl)
New England	515	293.9	19.39	351	306.1	19.29	-	-	-	349.3	22.33
Connecticut	-	-	-	-	-	-	-	-	-	388.2	24.64
Maine	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	166	354.8	22.65	351	306.1	19.29	-	-	-	336.2	21.22
New Hampshire	349	266.3	17.83	-	-	-	-	-	-	266.3	17.83
Rhode Island	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	1,365	385.2	24.44	-	-	-	-	-	-	437.4	27.58
New Jersey	-	-	-	-	-	-	-	-	-	484.6	30.33
New York	1,365	385.2	24.44	-	-	-	-	-	-	434.8	27.43
Pennsylvania	-	-	-	-	-	-	-	-	-	427.4	27.13
East North Central	-	-	-	-	-	-	-	-	-	330.5	20.83
Illinois	-	-	-	-	-	-	-	-	-	372.6	23.64
Indiana	-	-	-	-	-	-	-	-	-	-	-
Michigan	-	-	-	-	-	-	-	-	-	276.1	17.14
Ohio	-	-	-	-	-	-	-	-	-	312.9	20.08
Wisconsin	-	-	-	-	-	-	-	-	-	-	-
West North Central	-	-	-	-	-	-	-	-	-	-	-
Iowa	-	-	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-	-	-	-	-	-
Missouri	-	-	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	908	318.4	20.16	376	321.1	20.37	-	-	-	366.7	23.31
Delaware	-	-	-	45	340.0	21.63	-	-	-	355.2	22.69
District of Columbia	-	-	-	-	-	-	-	-	-	-	-
Florida	721	317.2	20.16	331	318.5	20.20	-	-	-	368.3	23.44
Georgia	-	-	-	-	-	-	-	-	-	-	-
Maryland	267	321.8	20.16	-	-	-	-	-	-	358.2	22.51
North Carolina	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	-	-
West Virginia	-	-	-	-	-	-	-	-	-	-	-
East South Central	-	-	-	190	194.4	12.35	-	-	-	194.4	12.35
Alabama	-	-	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	190	194.4	12.35	-	-	-	194.4	12.35
Tennessee	-	-	-	-	-	-	-	-	-	-	-
West South Central	19	243.4	15.40	-	-	-	-	-	-	292.8	18.25
Arkansas	-	-	-	-	-	-	-	-	-	-	-
Louisiana	19	242.5	15.34	-	-	-	-	-	-	242.5	15.34
Oklahoma	-	304.3	19.85	-	-	-	-	-	-	304.3	19.85
Texas	-	-	-	-	-	-	-	-	-	333.3	20.51
Mountain	-	-	-	-	-	-	-	-	-	271.9	16.79
Arizona	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	270.5	16.91
New Mexico	-	-	-	-	-	-	-	-	-	273.5	16.66
Utah	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-
Pacific	1	258.6	16.24	-	-	-	-	-	-	258.6	16.24
California	1	258.6	16.24	-	-	-	-	-	-	258.6	16.24
Oregon	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	411.3	25.61
Alaska	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	411.3	25.61
U. S. Total	2,888	344.7	22.01	917	289.1	18.30	-	-	-	389.5	24.67

* = Number less than 0.05 rounded to zero.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Fuel Oil No. 2 has been omitted from this table. •Oil and petroleum are used interchangeably in this report. •Data for 1990 are preliminary.

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

Table 37. Receipts of Gas by Type, Census Division, and State, September 1990

Census Division and State	Type of Gas							
	Natural Gas		Blast-Furnace		Refinery Gas		Total	
	Receipts (thousand Mcf)	Receipts (billion Btu)	Receipts (thousand Mcf)	Receipts (billion Btu)	Receipts (thousand Mcf)	Receipts (billion Btu)	Receipts (thousand Mcf)	Receipts (billion Btu)
New England	7,323	7,653	-	-	-	-	7,323	7,653
Connecticut	1,030	1,066	-	-	-	-	1,030	1,066
Maine	-	-	-	-	-	-	-	-
Massachusetts	5,007	5,259	-	-	-	-	5,007	5,259
New Hampshire	-	-	-	-	-	-	-	-
Rhode Island	1,286	1,328	-	-	-	-	1,286	1,328
Vermont	-	-	-	-	-	-	-	-
Middle Atlantic	30,403	31,336	-	-	-	-	30,403	31,336
New Jersey	5,442	5,606	-	-	-	-	5,442	5,606
New York	24,944	25,712	-	-	-	-	24,944	25,712
Pennsylvania	18	18	-	-	-	-	18	18
East North Central	1,952	1,977	1,843	144	-	-	3,795	2,121
Illinois	809	821	-	-	-	-	809	821
Indiana	423	424	-	-	-	-	423	424
Michigan	409	418	1,843	144	-	-	2,252	562
Ohio	138	139	-	-	-	-	138	139
Wisconsin	173	175	-	-	-	-	173	175
West North Central	4,933	4,855	-	-	-	-	4,933	4,855
Iowa	228	230	-	-	-	-	228	230
Kansas	2,788	2,722	-	-	-	-	2,788	2,722
Minnesota	517	518	-	-	-	-	517	518
Missouri	895	907	-	-	-	-	895	907
Nebraska	504	477	-	-	-	-	504	477
North Dakota	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-
South Atlantic	19,189	19,515	-	-	124	131	19,314	19,646
Delaware	134	138	-	-	119	126	253	264
District of Columbia	-	-	-	-	-	-	-	-
Florida	14,020	14,175	-	-	-	-	14,020	14,175
Georgia	553	566	-	-	-	-	553	566
Maryland	2,726	2,838	-	-	-	-	2,726	2,838
North Carolina	-	-	-	-	-	-	-	-
South Carolina	1,656	1,694	-	-	-	-	1,656	1,694
Virginia	92	96	-	-	5	5	97	102
West Virginia	7	7	-	-	-	-	7	7
East South Central	6,635	6,862	-	-	-	-	6,635	6,862
Alabama	202	206	-	-	-	-	202	206
Kentucky	14	14	-	-	-	-	14	14
Mississippi	6,419	6,642	-	-	-	-	6,419	6,642
Tennessee	-	-	-	-	-	-	-	-
West South Central	143,383	148,461	-	-	-	-	143,383	148,461
Arkansas	4,244	4,308	-	-	-	-	4,244	4,308
Louisiana	26,125	27,266	-	-	-	-	26,125	27,266
Oklahoma	15,467	16,187	-	-	-	-	15,467	16,187
Texas	97,546	100,700	-	-	-	-	97,546	100,700
Mountain	6,094	6,256	-	-	-	-	6,094	6,256
Arizona	707	727	-	-	-	-	707	727
Colorado	139	138	-	-	-	-	139	138
Idaho	-	-	-	-	-	-	-	-
Montana	22	27	-	-	-	-	22	27
Nevada	2,762	2,813	-	-	-	-	2,762	2,813
New Mexico	2,460	2,547	-	-	-	-	2,460	2,547
Utah	-	-	-	-	-	-	-	-
Wyoming	4	4	-	-	-	-	4	4
Pacific	46,877	48,488	-	-	-	-	46,877	48,488
California	46,877	48,488	-	-	-	-	46,877	48,488
Oregon	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
U. S. Total	266,788	275,404	1,843	144	124	131	268,756	275,679

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Data for 1990 are preliminary. •Mcf=thousand cubic feet.

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

Table 38. Receipts of Gas and Average Cost by Census Division and State

Census Division and State	September 1990 ¹		September 1989 ¹		Year to Date			
	thousand Mcf	Receipts (billion Btu)	thousand Mcf	Receipts (billion Btu)	Receipts (billion Btu)		Average Cost (cents per million Btu)	
					1990 ¹	1989 ¹	1990 ¹	1989 ¹
New England	7,323	7,653	7,098	7,505	46,622	39,490	218.8	239.2
Connecticut	1,030	1,066	711	734	3,216	2,499	241.7	252.1
Maine	-	-	-	-	-	-	-	-
Massachusetts	5,007	5,259	6,151	6,527	38,653	35,220	218.4	238.2
New Hampshire	-	-	-	-	-	-	-	-
Rhode Island	1,286	1,328	236	244	4,753	1,770	206.5	241.0
Vermont	-	-	-	-	-	-	-	-
Middle Atlantic	30,403	31,336	21,960	22,644	190,265	184,146	214.9	235.6
New Jersey	5,442	5,606	3,242	3,353	27,936	36,731	209.2	244.1
New York	24,944	25,712	18,703	19,275	162,208	147,241	215.9	233.3
Pennsylvania	18	18	15	16	122	173	295.4	346.8
East North Central	3,795	2,121	1,967	783	15,174	9,917	247.9	286.6
Illinois	809	821	294	300	5,269	4,252	268.5	331.5
Indiana	423	424	211	212	4,233	2,761	250.7	263.7
Michigan	2,252	562	1,323	131	3,671	1,445	204.6	173.6
Ohio	138	139	34	34	826	526	239.2	303.7
Wisconsin	173	175	106	106	1,177	933	286.9	315.4
West North Central	4,933	4,855	1,379	1,366	25,138	17,273	183.2	206.2
Iowa	228	230	239	240	1,648	1,421	300.5	267.0
Kansas	2,788	2,722	888	875	17,452	12,362	173.2	192.9
Minnesota	517	518	97	97	2,168	1,505	186.2	211.1
Missouri	895	907	39	39	2,179	456	163.8	233.2
Nebraska	504	477	117	114	1,690	1,529	192.2	243.9
North Dakota	-	-	-	-	-	-	387.9	440.7
South Dakota	-	-	-	-	-	-	-	-
South Atlantic	19,314	19,646	18,249	18,520	144,256	150,733	237.9	245.4
Delaware	253	264	804	856	4,167	5,580	252.9	254.3
District of Columbia	-	-	-	-	-	-	-	-
Florida	14,020	14,175	15,821	15,977	120,831	124,913	240.5	243.2
Georgia	553	566	24	25	1,667	562	294.5	310.5
Maryland	2,726	2,838	1,232	1,286	11,419	14,420	230.0	260.2
North Carolina	-	-	-	-	-	-	-	-
South Carolina	1,656	1,694	350	358	5,516	1,528	167.9	219.0
Virginia	97	102	11	11	523	3,643	210.4	245.2
West Virginia	7	7	7	7	134	87	470.5	452.4
East South Central	6,635	6,862	3,532	3,611	41,853	33,233	168.4	183.1
Alabama	202	206	106	109	1,979	1,245	204.0	215.6
Kentucky	14	14	10	10	184	280	303.8	263.4
Mississippi	6,419	6,642	3,416	3,492	39,690	31,709	166.0	181.1
Tennessee	-	-	-	-	-	-	-	-
West South Central	143,383	148,461	122,653	127,520	1,129,521	1,112,076	205.3	213.5
Arkansas	4,244	4,308	1,723	1,793	25,624	22,990	147.6	159.0
Louisiana	26,126	27,266	21,084	22,016	194,297	176,060	160.2	170.3
Oklahoma	15,467	16,187	12,886	13,465	119,665	121,084	299.0	287.4
Texas	97,546	100,700	86,960	90,245	789,935	791,941	204.0	213.3
Mountain	6,094	6,256	8,424	8,665	53,546	64,451	201.6	211.9
Arizona	707	727	3,094	3,195	10,617	23,293	235.6	218.7
Colorado	139	138	243	237	1,760	3,808	220.0	220.0
Idaho	-	-	-	-	-	-	-	-
Montana	22	27	14	17	236	294	159.8	112.3
Nevada	2,762	2,813	2,424	2,474	19,779	16,595	194.8	203.9
New Mexico	2,460	2,547	2,643	2,735	20,964	20,404	187.3	210.2
Utah	-	-	-	-	141	-	503.5	-
Wyoming	4	4	6	6	49	57	333.6	347.1
Pacific Contiguous	46,877	48,488	54,433	56,746	351,242	372,279	296.9	286.2
California	46,877	48,488	54,433	56,746	351,242	372,279	296.9	286.2
Oregon	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
U.S. Total	268,756	275,679	239,696	247,359	1,997,618	1,983,597	224.1	231.8

¹ Data for 1989 are revised and final. Data for 1990 are preliminary.

* The absolute value of the number is less than 0.5.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Includes small quantities of coke-oven, refinery, and blast-furnace gas. •Mcf=thousand cubic feet.

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

Table 39. Receipts of Gas and Average Cost by Type of Purchase, Census Division and State, September 1990

Census Division and State	Type of Purchase											
	Firm Gas			Interruptible Gas			Off-Peak Gas			Total Gas		
	Quantity	Average Delivered Cost		Quantity	Average Delivered Cost		Quantity	Average Delivered Cost		Quantity	Average Delivered Cost	
	(1,000 Mcf)	(Cents per 10 ³ Btu)	(\$ per Mcf)	(1,000 Mcf)	(Cents per 10 ³ Btu)	(\$ per Mcf)	(1,000 Mcf)	(Cents per 10 ³ Btu)	(\$ per Mcf)	(1,000 Mcf)	(Cents per 10 ³ Btu)	(\$ per Mcf)
New England	283	293.1	3.02	7,039	253.5	2.65	-	-	-	7,323	255.0	2.66
Connecticut	-	431.7	4.47	1,030	304.8	3.15	-	-	-	1,030	304.9	3.15
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	283	293.0	3.02	4,724	252.0	2.65	-	-	-	5,007	254.2	2.67
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island	-	-	-	1,286	217.8	2.25	-	-	-	1,286	217.8	2.25
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Middle Atlantic	3,535	194.5	2.00	22,622	206.7	2.13	4,246	189.6	1.95	30,403	202.9	2.09
New Jersey	-	-	-	5,442	205.4	2.12	-	-	-	5,442	205.4	2.12
New York	3,535	194.5	2.00	17,163	207.1	2.14	4,246	189.6	1.95	24,944	202.3	2.09
Pennsylvania	-	-	-	18	295.4	3.04	-	-	-	18	295.4	3.04
East North Central	728	215.2	2.18	3,067	214.3	.97	-	-	-	3,795	214.6	1.20
Illinois	50	393.9	4.01	759	203.2	2.08	-	-	-	809	215.0	2.18
Indiana	422	213.6	2.14	1	320.7	3.29	-	-	-	423	214.0	2.15
Michigan	143	179.0	1.86	2,109	209.3	.41	-	-	-	2,252	201.3	.50
Ohio	114	188.7	1.89	24	339.1	3.46	-	-	-	138	215.6	2.16
Wisconsin	-	-	-	173	256.7	2.59	-	-	-	173	256.7	2.59
West North Central	222	212.5	2.10	4,518	170.8	1.68	192	172.4	1.72	4,933	172.7	1.70
Iowa	33	342.6	3.53	195	281.9	2.83	-	-	-	228	290.9	2.93
Kansas	181	189.0	1.85	2,608	170.7	1.67	-	-	-	2,788	171.9	1.68
Minnesota	-	-	-	325	168.9	1.69	192	172.4	1.72	517	170.2	1.70
Missouri	-	-	-	895	146.2	1.48	-	-	-	895	146.2	1.48
Nebraska	9	178.4	1.78	495	173.8	1.64	-	-	-	504	173.9	1.65
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Atlantic	12,518	287.3	2.90	6,796	212.1	2.19	-	-	-	19,314	280.4	2.85
Delaware	119	416.4	4.39	134	320.3	3.31	-	-	-	253	366.1	3.82
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	12,102	286.2	2.89	1,918	210.3	2.17	-	-	-	14,020	275.7	2.79
Georgia	297	275.3	2.82	257	300.0	3.07	-	-	-	553	286.8	2.94
Maryland	-	-	-	2,726	225.2	2.34	-	-	-	2,726	225.2	2.34
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	1,656	166.1	1.70	-	-	-	1,656	166.1	1.70
Virginia	-	-	-	97	242.9	2.53	-	-	-	97	242.9	2.53
West Virginia	-	-	-	7	655.9	6.56	-	-	-	7	655.9	6.56
East South Central	666	162.8	1.71	5,956	157.2	1.82	12	205.9	2.11	6,635	157.9	1.83
Alabama	-	-	-	202	187.0	1.91	-	-	-	202	187.0	1.91
Kentucky	1	342.6	3.43	-	-	-	12	205.9	2.11	14	217.6	2.23
Mississippi	665	162.5	1.71	5,755	156.2	1.61	-	-	-	6,419	156.8	1.62
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-
West South Central	107,074	197.3	2.04	36,309	163.7	1.70	-	-	-	143,383	188.8	1.95
Arkansas	226	86.3	1.00	4,019	147.0	1.48	-	-	-	4,244	143.4	1.46
Louisiana	15,709	138.8	1.45	10,416	169.5	1.77	-	-	-	26,125	151.0	1.58
Oklahoma	14,639	269.7	2.82	828	167.2	1.79	-	-	-	15,467	264.1	2.76
Texas	76,500	195.7	2.02	21,046	163.7	1.70	-	-	-	97,546	188.8	1.95
Mountain	1,789	180.8	1.88	4,305	182.4	1.86	-	-	-	6,094	181.9	1.87
Arizona	112	237.7	2.45	595	229.2	2.36	-	-	-	707	230.6	2.37
Colorado	36	236.2	2.34	103	219.9	2.19	-	-	-	139	224.1	2.23
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Montana	22	108.8	1.35	-	372.8	4.10	-	-	-	22	109.3	1.35
Nevada	-	-	-	2,762	176.6	1.80	-	-	-	2,762	176.6	1.80
New Mexico	1,619	176.9	1.83	841	163.3	1.69	-	-	-	2,460	172.3	1.78
Utah	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	4	318.9	3.27	-	-	-	4	318.9	3.27
Pacific	-	-	-	46,877	290.2	3.00	-	-	-	46,877	290.2	3.00
California	-	-	-	46,877	290.2	3.00	-	-	-	46,877	290.2	3.00
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-	-
Pacific Noncontiguous	-	-	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
U. S. Total	126,815	205.8	2.12	137,490	222.8	2.27	4,450	188.9	1.94	268,756	214.2	2.20

* = Number less than 0.05 rounded to zero.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Data for 1990 are preliminary. •Mcf=thousand cubic feet.

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

Sales/Average Revenue per Kilowatthour

Table 40. Sales of Electricity by Sector
(Million Kilowatthours)

Year and Month	Residential		Commercial		Industrial		Other ¹		U.S. Total	
	Monthly Series ²	Annual Series ²	Monthly Series ²	Annual Series ²	Monthly Series ²	Annual Series ²	Monthly Series ²	Annual Series ²	Monthly Series ²	Annual Series ²
1980	717,495		488,155		815,067		73,732		2,094,449	
1981	722,265		514,338		825,743		84,756		2,147,103	
1982	729,520		526,397		744,949		85,575		2,086,441	
1983	750,948		543,788		775,999		80,219		2,150,955	
1984	777,654	780,092	578,281	582,621	840,588	837,836	81,849	85,248	2,278,372	2,285,796
1985	790,977	793,934	608,968	605,989	824,523	836,772	85,075	87,279	2,309,543	2,323,974
1986	817,663	819,088	641,469	630,520	808,292	830,531	83,409	88,615	2,350,835	2,368,753
1987	849,613	850,410	673,707	660,433	845,266	858,233	86,854	88,196	2,455,440	2,457,272
1988	892,125	892,866	697,711	699,100	895,751	896,498	82,362	89,598	2,567,949	2,578,062
1989 ⁴	903,979		725,229		926,376		91,066		2,646,651	
1988										
January	89,508		57,543		70,989		6,881		224,921	
February	80,232		55,468		71,750		6,797		214,247	
March	71,406		53,886		72,487		6,577		204,356	
April	61,390		52,272		71,794		6,385		191,840	
May	57,569		52,911		73,782		6,438		190,700	
June	68,775		60,177		76,255		6,941		212,148	
July	87,007		66,067		76,304		7,246		236,625	
August	94,207		68,374		79,611		7,370		249,561	
September	77,531		63,159		77,573		7,159		225,421	
October	63,761		57,358		76,560		6,982		204,661	
November	63,629		53,889		74,147		6,654		198,319	
December	77,111		56,607		74,500		6,933		215,151	
1989 ⁴										
January	85,075		58,324		74,590		7,597		225,587	
February	78,158		56,433		73,175		7,190		214,956	
March	77,215		57,453		74,448		7,484		216,600	
April	64,698		55,210		74,923		7,094		201,926	
May	61,108		56,428		77,119		7,278		201,933	
June	71,675		62,969		79,379		7,758		221,781	
July	85,596		67,624		79,011		8,033		240,203	
August	86,143		58,187		81,240		8,046		243,615	
September	78,725		65,532		79,845		7,824		231,926	
October	65,136		59,352		79,421		7,592		211,500	
November	64,844		56,716		76,788		7,394		205,742	
December	85,605		61,001		76,437		7,777		230,820	
1990 ⁴										
January	95,225		62,582		74,454		8,012		240,273	
February	74,348		57,159		73,976		7,542		213,028	
March	71,633		58,148		76,157		7,506		213,444	
April	65,032		56,552		75,597		7,305		204,486	
May	62,715		59,049		78,103		7,697		207,564	
June	73,574		64,701		79,567		7,885		225,727	
July	90,611		71,064		80,536		8,616		250,826	
August	88,553		71,357		83,465		8,460		251,834	
September	85,329		69,210		80,723		8,005		243,268	
October	69,516		63,279		81,427		7,795		222,016	
Year to Date										
1990 ⁴	776,535		633,101		784,005		78,823		2,272,464	
1989 ⁴	753,530		607,512		773,151		75,895		2,210,089	
1988	751,385		587,214		747,105		68,775		2,154,479	

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

² Data for 1980 through 1985 are based on the Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," and predecessor forms. These estimates are based on a sample of selected private electric utilities. Beginning with January 1986, national sales estimates are based on data as reported by a statistically derived sample of both publicly and privately owned electric utilities, which respond on the Form EIA-861, "Annual Electric Utility Report." The Form EIA-861 is used to collect data from all electric utilities in the United States. See the technical notes for an explanation of the change in sample design beginning with January 1990 data.

³ Beginning in 1984, national sales values are based on data as reported on the Form EIA-861, "Annual Electric Utility Report."

⁴ Data for 1989 and 1990 have been revised; for further information, see the technical notes. Note that 1990 data, however, are still considered preliminary.

Notes: •Totals may not equal sum of components because of independent rounding. •U.S. total includes all 50 States and District of Columbia. •Figures for electricity sales and net generation may not correspond exactly for a particular month. Data on net generation represent a calendar month whereas data on sales represent the utilities' billing cycles which can vary from 28 to 33 days and which frequently do not correspond exactly to a calendar month.

Sources: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," formerly the "Electric Utility Company Monthly Statement," and predecessor forms. •Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table 41. Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, October
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		Total Sales	
	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989
New England	2,596	2,648	3,011	2,910	2,303	2,270	169	178	8,079	8,006
Connecticut	692	720	843	816	521	512	31	30	2,087	2,078
Maine	280	296	211	211	437	410	13	15	942	933
Massachusetts	1,078	1,100	1,483	1,419	841	841	93	104	3,494	3,465
New Hampshire	237	245	152	153	277	278	9	8	674	684
Rhode Island	165	174	197	188	114	115	20	16	496	495
Vermont	145	112	124	121	113	113	4	4	386	351
Middle Atlantic	6,947	7,034	8,443	8,166	8,170	7,855	1,195	1,142	24,755	24,197
New Jersey	1,401	1,450	2,246	2,133	1,354	1,315	43	43	5,044	4,941
New York	2,918	2,894	3,831	3,799	2,765	2,772	1,028	981	10,543	10,446
Pennsylvania	2,628	2,690	3,366	2,234	4,051	3,768	123	118	9,168	8,811
East North Central	9,692	9,364	9,167	8,719	17,567	16,727	1,214	1,329	37,641	36,139
Illinois	2,308	2,148	2,628	2,502	3,650	3,257	622	582	9,208	8,489
Indiana	1,525	1,489	1,260	1,259	3,135	2,911	58	56	5,978	5,714
Michigan	1,911	1,871	1,721	1,623	3,131	3,025	101	263	6,864	6,782
Ohio	2,671	2,662	2,536	2,342	5,945	5,871	370	366	11,522	11,241
Wisconsin	1,276	1,194	1,023	993	1,705	1,663	64	63	4,068	3,913
West North Central	5,072	4,461	4,037	3,864	5,562	5,312	406	415	15,077	14,052
Iowa	776	737	555	539	1,063	940	73	73	2,467	2,289
Kansas	701	588	765	704	667	652	27	29	2,161	1,972
Minnesota	1,116	969	654	584	2,006	1,880	65	57	3,841	3,490
Missouri	1,582	1,310	1,413	1,388	1,178	1,122	92	69	4,265	3,890
Nebraska	508	431	409	404	364	368	85	116	1,366	1,319
North Dakota	192	190	128	105	143	164	36	34	499	492
South Dakota	197	237	113	141	141	186	29	36	479	600
South Atlantic²	16,480	15,770	13,113	12,229	13,243	12,763	1,518	1,409	44,353	42,170
Delaware	174	180	187	179	282	272	4	4	647	635
District of Columbia	109	109	426	399	251	237	27	26	814	771
Florida	6,826	6,401	4,616	4,426	1,379	1,365	413	389	13,233	12,581
Georgia ²	2,184	1,996	1,922	1,706	2,384	2,300	76	77	6,566	6,079
Maryland	1,218	1,293	862	809	1,583	1,653	58	54	3,721	3,808
North Carolina ²	2,264	2,206	2,028	1,903	2,787	2,742	130	139	7,208	6,990
South Carolina	1,288	1,155	1,041	885	2,223	1,950	73	61	4,625	4,050
Virginia ²	1,893	1,898	1,627	1,529	1,493	1,393	728	649	5,742	5,489
West Virginia	523	533	404	393	861	851	9	8	1,796	1,786
East South Central²	5,698	4,977	3,340	2,999	9,263	9,236	415	384	18,717	17,597
Alabama ²	1,468	1,236	952	861	2,234	2,397	62	55	4,816	4,549
Kentucky ²	1,162	1,080	773	696	2,814	2,998	216	199	4,965	4,973
Mississippi ²	1,071	886	627	563	1,105	957	60	56	2,863	2,462
Tennessee ²	1,997	1,775	989	880	3,009	2,884	78	74	6,073	5,613
West South Central	10,893	9,213	7,959	7,506	11,291	10,965	1,154	1,014	31,297	28,699
Arkansas	806	659	527	466	818	810	53	47	2,204	1,981
Louisiana	1,834	1,541	1,244	1,120	2,123	2,162	231	232	5,431	5,054
Oklahoma	1,109	954	862	815	1,070	965	160	160	3,201	2,893
Texas	7,144	6,059	5,327	5,106	7,280	7,029	710	576	20,461	18,770
Mountain	3,579	3,484	4,215	3,928	4,471	4,542	479	523	12,744	12,478
Arizona	1,128	1,153	1,184	1,124	800	828	135	178	3,248	3,284
Colorado	728	699	1,215	1,093	526	538	62	76	2,531	2,406
Idaho	419	409	365	288	587	578	10	26	1,361	1,301
Montana	254	254	227	231	562	555	34	36	1,077	1,076
Nevada	368	314	302	312	511	478	67	56	1,247	1,161
New Mexico	258	241	372	369	367	411	97	72	1,093	1,093
Utah	300	290	378	345	467	451	63	71	1,208	1,156
Wyoming	124	124	172	167	652	702	11	8	959	1,001
Pacific Contiguous	8,231	7,865	9,630	8,687	9,197	9,401	1,227	1,184	28,285	27,137
California	5,298	5,072	7,334	6,455	4,543	4,763	873	870	18,049	17,160
Oregon	1,104	1,053	926	908	1,333	1,318	47	43	3,409	3,322
Washington	1,828	1,740	1,370	1,324	3,321	3,321	307	271	6,827	6,656
Pacific Noncontiguous	326	320	365	343	360	350	18	14	1,069	1,026
Alaska	129	126	164	153	33	39	13	9	339	326
Hawaii	197	194	201	190	327	311	5	5	731	700
U.S. Total	69,516	65,136	63,279	59,352	81,427	79,421	7,795	7,592	222,016	211,500

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

² Data in these Census divisions and States for the commercial and industrial sectors have been revised. For further information, see the technical notes.

Notes: •Data for 1989 and 1990 have been revised; for further information, see the technical notes. Note that 1990 data, however, are still considered preliminary. •These data are estimates. •Totals may not equal sum of components because of independent rounding. •U.S. total includes all 50 States and District of Columbia. •Estimated sales are based on the sales by utilities in the sample. •See technical notes for an explanation of the changes in sample design beginning with January 1990 data. •Figures for electricity sales and net generation may not correspond exactly for a particular month. Data on net generation represent a calendar month whereas data on sales represent the utilities' billing cycles which can vary from 28 to 33 days and which frequently do not correspond exactly to a calendar month.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Table 42. Estimated Coefficients of Variation of Sales of Electricity by Census Division, and State, October 1990
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	Total ²
New England	0.1	0.7	0.3	2.0	0.3
Connecticut	.1	.0	.6	.6	.2
Maine	.2	.2	.3	.2	.1
Massachusetts	.2	1.5	.6	3.6	.6
New Hampshire	.1	1.1	1.2	1.2	.5
Rhode Island	.0	.0	.0	.0	.0
Vermont	1.1	.1	.8	4.0	.5
Middle Atlantic	.2	.1	.5	2.6	.2
New Jersey	.4	.1	.0	1.0	.1
New York	.0	.1	.1	3.0	.3
Pennsylvania	.4	.3	1.0	.7	.4
East North Central	.3	.2	.7	.8	.3
Illinois	.5	.6	3.1	.3	1.3
Indiana	1.3	.5	1.0	2.0	.6
Michigan	.4	.4	.6	4.1	.3
Ohio	.3	.3	.1	2.2	.1
Wisconsin	.2	.3	1.5	1.5	.7
West North Central	1.3	.6	1.1	3.1	.6
Iowa	1.5	.9	.7	10.5	.7
Kansas	1.8	1.2	1.4	9.9	.8
Minnesota	2.8	.9	.4	4.3	.9
Missouri	3.4	1.3	4.6	.0	1.8
Nebraska	4.2	.3	7.3	9.5	2.6
North Dakota	.7	1.5	2.2	2.9	.8
South Dakota	2.6	10.3	5.1	16.8	3.2
South Atlantic	.8	.3	.4	.4	.3
Delaware	.7	1.3	.7	.4	.5
District of Columbia	.0	.0	.0	.0	.0
Florida	1.5	.3	1.7	.5	.8
Georgia	2.1	.6	.6	.6	.8
Maryland	.3	.4	.2	.7	.2
North Carolina	2.1	.8	1.1	.4	.8
South Carolina	2.6	3.4	1.2	7.1	1.2
Virginia	.1	.6	1.3	.2	.4
West Virginia	.2	.8	.8	.9	.4
East South Central	.6	.4	.1	2.0	.2
Alabama	.9	.3	.1	13.5	.3
Kentucky	2.8	1.5	.2	.6	.7
Mississippi	.9	.7	.6	1.1	.4
Tennessee	.0	.0	.0	.0	.0
West South Central	.5	.6	.4	2.8	.3
Arkansas	.6	.5	.3	5.1	.3
Louisiana	1.5	1.0	.7	1.1	.6
Oklahoma	1.9	2.1	2.6	4.2	1.2
Texas	.6	.8	.5	4.4	.4
Mountain	.2	1.6	1.9	2.3	.9
Arizona	.3	.2	.8	2.4	.3
Colorado	.8	5.5	15.7	1.4	4.2
Idaho	.4	.3	.5	31.1	.3
Montana	1.0	2.9	.2	2.4	.7
Nevada	.0	.5	1.2	14.0	.9
New Mexico	.4	.4	3.5	1.6	1.2
Utah	.8	2.9	1.7	4.6	1.2
Wyoming	1.3	3.3	1.0	21.3	1.0
Pacific Contiguous	.3	2.8	4.2	2.4	1.7
California	.4	3.6	8.5	.3	2.6
Oregon	.7	.7	.9	33.0	.6
Washington	.3	1.2	.6	8.0	.5
Pacific Noncontiguous	.5	.4	.5	18.7	.4
Alaska	1.4	1.0	5.5	25.8	1.3
Hawaii	.0	.0	.0	.0	.0
U.S. Total	.2	.4	.5	.7	.2

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

² Total includes all sectors.

Notes: •For an explanation of coefficients of variation, see the technical notes. •These data are estimates. •Data for 1990 are preliminary.

Sources: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Table 43. Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, January through October
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		Total Sales	
	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989
New England	31,327	30,995	31,419	30,895	22,670	22,904	1,670	1,713	87,086	86,507
Connecticut	8,637	8,578	8,694	8,541	5,149	5,187	305	297	22,785	22,603
Maine	3,268	3,304	2,232	2,191	3,959	3,862	143	140	9,603	9,505
Massachusetts	13,018	12,942	15,514	15,247	8,358	8,671	923	979	37,813	37,840
New Hampshire	2,895	2,915	1,697	1,701	2,921	2,871	94	83	7,608	7,570
Rhode Island	1,978	1,952	2,053	1,996	1,160	1,167	165	162	5,356	5,277
Vermont	1,531	1,304	1,231	1,219	1,122	1,146	39	44	3,923	3,713
Middle Atlantic	81,855	81,109	86,397	85,189	77,857	78,522	11,858	11,222	257,967	256,043
New Jersey	17,120	17,288	22,313	22,759	12,482	13,132	386	382	52,300	52,861
New York	32,431	32,083	39,316	39,458	26,987	26,698	10,268	9,640	109,002	107,879
Pennsylvania	32,304	31,738	24,769	23,672	38,388	38,692	1,205	1,201	96,665	95,302
East North Central	111,704	110,331	93,428	90,993	166,943	163,252	12,292	13,732	384,367	378,308
Illinois	27,547	26,825	26,657	25,854	33,160	32,214	6,466	6,221	93,211	91,114
Indiana	18,394	18,146	12,914	13,157	29,770	28,219	532	527	61,610	60,050
Michigan	20,961	20,834	17,468	16,778	29,974	30,563	1,008	2,693	69,411	70,867
Ohio	31,146	31,313	25,705	24,971	57,913	56,678	3,697	3,684	118,461	116,645
Wisconsin	13,656	13,214	10,684	10,233	16,126	15,579	588	606	41,054	39,632
West North Central	59,045	58,524	41,998	40,843	53,394	52,244	4,461	4,152	158,899	153,764
Iowa	8,757	8,650	5,513	5,374	9,150	9,223	712	677	24,132	23,924
Kansas	8,235	7,621	7,735	7,343	6,731	6,478	304	295	23,004	21,737
Minnesota	12,461	12,153	6,850	6,490	19,497	18,871	751	574	39,560	38,088
Missouri	18,783	17,169	14,889	14,689	11,602	10,748	934	687	46,208	43,292
Nebraska	6,071	5,645	4,293	4,280	3,533	3,560	1,022	1,169	14,919	14,655
North Dakota	2,428	2,519	1,460	1,229	1,529	1,722	396	397	5,813	5,867
South Dakota	2,310	2,768	1,259	1,439	1,351	1,641	343	353	5,263	6,201
South Atlantic²	178,904	172,310	128,580	122,603	128,269	126,240	14,374	13,951	450,114	435,104
Delaware	2,252	2,194	1,978	1,868	2,742	2,657	42	41	7,014	6,760
District of Columbia	1,262	1,245	4,293	4,158	2,527	2,471	263	257	8,344	8,131
Florida	61,227	58,030	42,758	41,176	13,549	13,956	3,749	3,593	121,284	116,755
Georgia ²	25,314	23,536	19,466	18,032	22,830	22,106	814	748	68,417	64,421
Maryland	16,077	15,872	8,754	8,371	16,414	16,246	557	533	41,802	41,023
North Carolina ²	28,170	27,327	20,129	18,994	26,199	26,268	1,372	1,432	75,869	74,020
South Carolina	15,111	14,578	10,112	9,375	21,258	20,495	717	661	47,199	45,109
Virginia ²	23,122	23,302	16,870	16,528	13,969	13,601	6,772	6,608	60,727	60,039
West Virginia	6,371	6,227	4,220	4,100	8,781	8,440	86	79	19,458	18,846
East South Central²	66,933	63,175	32,975	31,233	91,064	85,166	3,906	3,823	193,827	183,397
Alabama ²	17,841	16,427	9,411	8,825	22,799	22,676	515	514	50,545	48,442
Kentucky ²	13,950	13,710	7,829	7,428	28,461	24,572	2,102	2,035	52,238	47,745
Mississippi ²	10,456	9,728	5,689	5,499	10,352	9,035	550	547	27,045	24,809
Tennessee ²	23,786	23,311	10,046	9,481	29,451	28,883	739	727	63,999	62,401
West South Central	112,501	106,448	77,806	75,542	108,303	106,925	12,326	10,224	310,936	299,139
Arkansas	9,064	8,346	5,135	4,915	7,961	7,671	562	539	22,723	21,471
Louisiana	18,400	17,570	11,422	11,289	21,276	20,712	2,334	2,694	53,432	52,264
Oklahoma	12,781	12,030	8,744	8,516	9,303	9,405	1,745	1,673	32,572	31,623
Texas	72,256	68,502	52,505	50,823	69,763	69,137	7,685	5,318	202,209	193,781
Mountain	40,756	40,218	43,070	40,831	44,269	43,765	5,475	5,576	133,571	130,390
Arizona	13,147	13,163	11,632	11,117	8,026	8,041	1,534	2,226	34,339	34,548
Colorado	8,090	7,913	12,112	11,085	4,961	5,119	803	683	25,965	24,799
Idaho	4,474	4,531	4,355	4,116	5,997	5,922	191	247	15,017	14,816
Montana	2,612	2,716	2,223	2,191	5,527	5,473	426	422	10,788	10,801
Nevada	4,744	4,349	3,244	3,210	5,305	4,377	687	506	14,080	12,443
New Mexico	2,964	2,821	3,841	3,773	3,628	3,856	1,004	778	11,438	11,228
Utah	3,341	3,341	3,855	3,636	4,625	4,743	669	644	12,490	12,364
Wyoming	1,385	1,384	1,809	1,703	6,120	6,233	160	70	9,473	9,391
Pacific Contiguous	91,139	89,228	93,957	86,080	87,737	90,793	12,269	11,361	285,101	277,461
California	55,609	53,559	70,507	62,832	42,640	46,622	8,702	7,984	177,458	170,997
Oregon	11,912	12,069	9,563	9,238	12,785	12,634	421	396	34,682	34,337
Washington	23,617	23,600	13,887	14,010	32,311	31,536	3,146	2,980	72,961	72,127
Pacific Noncontiguous	3,270	3,192	3,470	3,303	3,500	3,340	192	141	10,432	9,976
Alaska	1,341	1,325	1,643	1,546	378	368	143	94	3,505	3,333
Hawaii	1,929	1,867	1,827	1,758	3,122	2,971	49	48	6,927	6,643
U.S. Total	776,535	753,530	633,101	607,512	784,005	773,151	78,823	75,895	2,272,464	2,210,089

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

² Data in these Census divisions and States for the commercial and industrial sectors have been revised. For further information, see the technical notes.

Notes: •Data for 1989 and 1990 have been revised; for further information, see the technical notes. Note that 1990 data, however, are still considered preliminary. •These data are estimates. •Totals may not equal sum of components because of independent rounding. •U.S. total includes all 50 States and District of Columbia. •Estimated sales are based on the sales by utilities in the sample. •See technical notes for an explanation of the changes in sample design beginning with January 1990 data. •Figures for electricity sales and net generation may not correspond exactly for a particular month. Data on net generation represent a calendar month whereas data on sales represent the utilities' billing cycles which can vary from 28 to 33 days and which frequently do not correspond exactly to a calendar month.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Table 44. Average Revenue per Kilowatthour by Sector
(Cents)

Year and Month	Residential		Commercial		Industrial		Other ¹		Total ²	
	Monthly Series ³	Annual Series ⁴	Monthly Series ³	Annual Series ⁴	Monthly Series ³	Annual Series ⁴	Monthly Series ³	Annual Series ⁴	Monthly Series ³	Annual Series ⁴
1980 Average	5.36		5.48		3.69		4.76		4.73	
1981 Average	6.20		6.29		4.29		5.28		5.46	
1982 Average	6.86		6.86		4.95		5.92		6.13	
1983 Average	7.18		7.02		4.96		6.38		6.30	
1984 Average	7.54	7.15	7.33	7.13	5.04	4.83	6.78	5.90	6.52	6.25
1985 Average	7.79	7.39	7.47	7.27	5.16	4.97	6.96	6.09	6.71	6.44
1986 Average	7.41	7.42	7.13	7.20	4.90	4.93	6.64	6.11	6.42	6.44
1987 Average	7.41	7.45	7.01	7.08	4.72	4.77	6.64	6.21	6.32	6.37
1988 Average	7.49	7.48	7.07	7.04	4.82	4.70	6.02	6.20	6.31	6.35
1989 Average ⁵	7.64		7.23		4.69		6.18		6.43	
1988										
January	6.92		6.82		4.52		6.37		6.11	
February	6.99		6.88		4.52		6.47		6.11	
March	7.14		6.93		4.48		6.35		6.11	
April	7.30		6.89		4.47		6.07		6.08	
May	7.58		6.99		4.46		5.87		6.14	
June	7.64		7.23		4.69		5.87		6.44	
July	7.90		7.24		4.87		5.51		6.62	
August	7.93		7.25		4.85		5.35		6.65	
September	7.84		7.30		4.80		5.93		6.56	
October	7.70		7.27		4.69		6.23		6.39	
November	7.46		6.99		4.52		6.33		6.18	
December	7.28		6.91		4.52		6.61		6.19	
1989⁵										
January	7.17		6.93		4.53		6.45		6.20	
February	7.18		7.01		4.60		6.68		6.23	
March	7.24		7.02		4.58		6.59		6.23	
April	7.52		7.09		4.57		6.46		6.25	
May	7.72		7.15		4.58		6.27		6.29	
June	8.02		7.39		4.79		5.66		6.57	
July	8.10		7.46		4.95		5.63		6.77	
August	8.11		7.49		4.95		5.56		6.77	
September	8.02		7.46		4.90		6.09		6.70	
October	7.87		7.49		4.70		6.54		6.51	
November	7.52		7.11		4.51		6.48		6.23	
December	7.27		7.03		4.55		6.59		6.26	
1990⁵										
January	7.18		6.94		4.59		5.81		6.27	
February	7.49		7.13		4.59		5.95		6.33	
March	7.59		7.20		4.61		6.07		6.37	
April	7.70		7.19		4.56		6.36		6.35	
May	7.98		7.31		4.63		6.22		6.46	
June	8.13		7.50		4.84		6.19		6.72	
July	8.21		7.52		5.04		6.36		6.93	
August	8.26		7.53		4.98		6.16		6.90	
September	8.19		7.50		4.98		6.46		6.87	
October	8.06		7.58		4.80		6.28		6.67	
Year-to-Date Average										
1990 Average ⁵	7.88		7.35		4.77		6.18		6.60	
1989 Average ⁵	7.69		7.26		4.72		6.12		6.46	
1988 Average	7.51		7.09		4.64		5.95		6.33	

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

² Average revenue per kilowatthour for total sales to ultimate customers.

³ National average revenue per kilowatthour estimates for 1980 through 1985, are based on a sample of selected privately owned electric utilities in Class A whose operating revenue were \$100 million or more during the previous year. Beginning with January 1986, national average revenue per kilowatthour estimates are based on data as reported by a statistically derived sample of both publicly and privately owned utilities, which respond on the Form EIA-861, "Annual Electric Utility Report." The Form EIA-861 is used to collect data from all electric utilities in the United States. See the technical notes for an explanation of the change in sample design beginning with January 1990 data.

⁴ Beginning in 1984, national average revenue per kilowatthour values are based on data as reported on the Form EIA-861, "Annual Electric Utility Report."

⁵ Data for 1989 and 1990 have been revised; for further information, see the technical notes. Note that 1990 data, however, are still considered preliminary.

Notes: •Average revenue per kilowatthour are calculated by dividing revenue by sales. •Revenue may not correspond to sales for a particular month because of utility billing and accounting procedures. This could result in uncharacteristic increases or decreases in the monthly revenue per kilowatthour.

Sources: •Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," formerly the "Electric Utility Company Monthly Statement," and predecessor forms. •Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

**Table 45. Average Revenue per Kilowatthour by Sector, Census Division, and State,
October 1990
(Cents)**

Census Division and State	Residential	Commercial	Industrial	Other ¹	Total ²
New England	10.39	9.57	7.57	10.98	9.30
Connecticut	10.67	9.46	7.68	13.07	9.47
Maine	9.40	7.69	5.53	11.53	7.25
Massachusetts	10.81	10.16	8.86	10.67	10.06
New Hampshire	10.25	9.48	6.96	12.99	8.77
Rhode Island	9.91	8.96	8.47	7.90	9.12
Vermont	8.57	7.66	5.98	11.64	7.54
Middle Atlantic	10.49	9.80	6.13	8.17	8.64
New Jersey	10.13	9.07	7.23	14.89	8.92
New York	11.65	11.00	5.79	7.61	9.48
Pennsylvania	9.39	7.85	6.00	10.48	7.51
East North Central	8.46	7.46	4.66	6.87	6.39
Illinois	10.52	8.02	5.53	6.95	7.59
Indiana	7.46	6.24	4.00	7.45	5.39
Michigan	7.76	8.16	5.81	8.97	6.99
Ohio	8.55	7.67	4.07	6.13	5.97
Wisconsin	6.77	5.86	3.96	6.65	5.36
West North Central	7.07	6.19	4.22	5.73	5.75
Iowa	8.06	6.28	3.74	5.42	5.72
Kansas	7.44	6.49	4.55	8.13	6.22
Minnesota	6.79	6.06	4.14	6.85	5.28
Missouri	7.01	6.22	4.62	5.83	6.06
Nebraska	5.84	5.29	3.76	5.75	5.12
North Dakota	6.69	6.74	4.84	4.38	6.01
South Dakota	7.29	6.81	4.57	3.09	6.12
South Atlantic	7.68	6.71	4.69	6.10	6.45
Delaware	8.52	6.58	4.30	10.60	6.14
District of Columbia	6.51	7.54	6.24	5.76	6.94
Florida	7.74	6.63	5.29	6.58	7.06
Georgia	7.02	7.37	4.62	7.84	6.26
Maryland	7.97	7.71	5.57	8.34	6.90
North Carolina	8.40	6.71	4.88	6.78	6.53
South Carolina	7.55	5.85	4.09	5.70	5.47
Virginia	7.63	6.25	4.30	5.35	6.09
West Virginia	6.31	5.60	3.65	8.16	4.88
East South Central	6.33	6.47	4.03	5.73	5.20
Alabama	6.59	6.92	4.39	5.60	5.58
Kentucky	5.88	5.51	3.40	4.66	4.37
Mississippi	7.20	7.34	4.85	7.66	6.33
Tennessee	5.92	6.22	4.03	7.33	5.05
West South Central	7.74	6.51	4.21	6.26	6.10
Arkansas	8.23	6.94	5.21	7.42	6.78
Louisiana	7.56	7.14	4.47	6.43	6.21
Oklahoma	6.76	5.81	3.47	5.77	5.36
Texas	7.88	6.44	4.13	6.22	6.11
Mountain	7.49	6.67	4.06	5.93	5.96
Arizona	9.59	8.72	5.74	6.88	8.21
Colorado	7.13	5.69	4.43	7.72	5.89
Idaho	5.04	4.56	2.62	4.60	3.88
Montana	5.00	4.58	2.80	4.91	3.76
Nevada	5.76	6.31	4.52	4.89	5.34
New Mexico	9.23	8.26	4.83	5.48	7.09
Utah	7.14	6.09	3.82	4.62	5.40
Wyoming	6.14	5.12	3.46	6.29	4.14
Pacific Contiguous	7.98	8.64	5.47	3.88	7.21
California	9.82	9.97	8.41	4.05	9.25
Oregon	4.88	4.66	3.06	5.46	4.11
Washington	4.54	4.24	2.41	3.14	3.38
Pacific Noncontiguous	10.53	10.05	8.01	13.11	9.56
Alaska	10.20	9.40	7.29	14.36	9.69
Hawaii	10.75	10.59	8.08	9.86	9.50
U.S. Total	8.06	7.58	4.80	6.28	6.67

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

² Average revenue per kilowatthour for total sales to ultimate customers.

Notes: •Data for 1990 are preliminary. •These data are estimates and are calculated by dividing revenue by sales. Revenue may not correspond to sales for a particular month because of utility billing and accounting procedures. This could result in uncharacteristic increases or decreases in the monthly average revenue per kilowatthour. •See the technical notes for an explanation of the changes in sample design beginning with January 1990 data.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Table 46. Estimated Coefficients of Variation of Average Revenue per Kilowatthour by Sector, Census Division, and State, October 1990
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	Total ²
New England	0.3	0.1	1.1	5.2	0.3
Connecticut	.0	.0	.3	.2	.0
Maine	.1	.0	.3	2.0	.1
Massachusetts	.6	.1	2.6	9.7	.6
New Hampshire	.7	.9	2.4	.1	.9
Rhode Island	.0	.0	.0	.0	.0
Vermont	1.8	.1	.4	2.8	.8
Middle Atlantic	.1	.1	.1	1.5	.1
New Jersey	.6	.2	.4	1.0	.2
New York	.1	.0	.1	1.9	.1
Pennsylvania	.0	.2	.0	.1	.1
East North Central	.3	.6	.4	.3	.3
Illinois	1.1	2.0	1.5	.1	.8
Indiana	.3	.3	1.2	2.1	.5
Michigan	.3	.6	.5	2.1	.3
Ohio	.1	.1	.6	.7	.2
Wisconsin	.3	.1	.4	.3	.2
West North Central	.9	.8	.5	1.3	.5
Iowa	.9	1.9	.6	4.2	.6
Kansas	3.9	2.6	1.8	4.8	1.8
Minnesota	2.0	1.3	.3	3.5	.8
Missouri	1.8	1.6	1.9	.8	1.0
Nebraska	1.2	1.0	1.8	1.2	.7
North Dakota	.5	.1	.0	4.5	.3
South Dakota	1.0	.9	1.3	15.1	.8
South Atlantic	.3	.4	.2	.4	.2
Delaware	.7	.4	1.1	.9	.4
District of Columbia	.0	.0	.0	.0	.0
Florida	.2	.2	.1	.7	.1
Georgia	.8	.2	.7	1.1	.4
Maryland	.6	1.1	.5	.4	.4
North Carolina	1.3	.7	.4	3.4	.6
South Carolina	2.9	5.3	.4	1.3	1.7
Virginia	.3	.3	.1	.2	.2
West Virginia	.9	.6	.1	2.6	.4
East South Central	.3	.3	.1	.4	.1
Alabama	.4	.1	.0	2.5	.2
Kentucky	1.7	1.1	.1	.3	.6
Mississippi	.2	.6	.4	.3	.2
Tennessee	.0	.0	.0	.0	.0
West South Central	1.4	1.1	.5	1.5	.7
Arkansas	1.7	.9	.6	.1	.8
Louisiana	.5	.2	.9	.2	.3
Oklahoma	.5	.4	1.3	3.3	.4
Texas	2.1	1.6	.8	2.4	1.0
Mountain	.3	.3	.3	1.8	.2
Arizona	.5	.3	.5	2.7	.3
Colorado	.4	.8	1.1	.9	.4
Idaho	1.1	.5	.0	4.0	.5
Montana	1.1	.1	.1	2.2	.4
Nevada	.1	.1	1.6	13.0	.8
New Mexico	.5	1.1	1.7	1.7	.6
Utah	.1	1.1	.9	.5	.5
Wyoming	.8	.5	.6	6.5	.4
Pacific Contiguous	.3	1.6	1.8	1.5	.8
California	.4	1.8	2.4	1.2	1.0
Oregon	.4	.1	.3	18.2	.4
Washington	.9	.5	.5	3.8	.4
Pacific Noncontiguous	1.2	.4	.8	7.3	.5
Alaska	3.1	1.0	9.3	9.2	1.6
Hawaii	.0	.0	.0	.0	.0
U.S. Total	.2	.3	.3	.5	.2

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

² Total includes all sectors.

Notes: •Data for 1990 are preliminary. •These data are estimates. •For an explanation of coefficient of variation, see the technical notes.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Plant Aggregates: Net Generation, Fuel Consumption, Fuel Stocks

*Many electric utilities not only
consume fossil fuels to generate
electricity, but also maintain
stocks on site.*

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Abbeville Water & Elec Plant	-	-	-	272	-	-	-	-	-	-	*
Abbeville (SC)	-	-	-	272	-	-	-	-	-	-	*
Accomack-Norhampton Electric											
Coop	-	8	-	-	-	-	-	*	-	-	1
Smith (VA)	-	3	-	-	-	-	-	*	-	-	*
Tangler (VA)	-	5	-	-	-	-	-	*	-	-	1
Adrian Lt & Water Comm	-	-	-	-	-	-	-	-	-	-	-
Adrian (MN)	-	-	-	-	-	-	-	-	-	-	-
Aitkin Public Utilities Comm	-	-1	-	-	-	-	-	-	-	-	*
Aitkin (MN)	-	-1	-	-	-	-	-	-	-	-	*
Alabama Elec Coop, Inc	280,241	-	5,090	31	-	-	126	-	56	296	1
Gantt (AL)	-	-	-	-	-	-	-	-	-	-	-
Lowman (AL)	280,241	-	-	-	-	-	126	-	-	289	-
McWilliams (AL)	-	-	5,090	-	-	-	-	-	56	7	-
Point "A" (AL)	-	-	-	31	-	-	-	-	-	-	-
Portland (FL)	-	-	-	-	-	-	-	-	-	-	1
Alabama Power Co (SC)	3,563,338	7,985	31,210	122,251	1,160,596	-	1,422	11	270	2,830	63
Bankhead Dam (AL)	-	-	-	3,688	-	-	-	-	-	-	-
Barry (AL)	735,271	41	2,532	-	-	-	304	*	21	598	10
Chickasaw (AL)	-	117	5,762	-	-	-	-	*	69	-	4
Farley (AL)	-	-	-	-	1,160,596	-	-	-	-	-	-
Gadsden New (AL)	24,171	7	164	-	-	-	11	*	2	92	1
Gaston, E C (AL)	952,038	1,753	-	-	-	-	376	2	-	860	15
Gorgas (AL)	779,372	559	-	-	-	-	316	1	-	523	16
Greene County (AL)	232,768	446	-	-	-	-	91	1	-	309	2
H Neely Henry Dam (AL)	-	-	-	7,587	-	-	-	-	-	-	-
Harris (AL)	-	-	-	1,773	-	-	-	-	-	-	-
Holt Dam (AL)	-	-	-	3,438	-	-	-	-	-	-	-
Jordan (AL)	-	-	-	2,340	-	-	-	-	-	-	-
Lay Dam (AL)	-	-	-	15,632	-	-	-	-	-	-	-
Lewis Smith Dam (AL)	-	-	-	15,323	-	-	-	-	-	-	-
Logan Martin Dam (AL)	-	-	-	10,455	-	-	-	-	-	-	-
Martin Dam (AL)	-	-	-	8,871	-	-	-	-	-	-	-
Miller (AL)	839,718	5,062	22,752	-	-	-	323	7	179	450	15
Mitchell Dam (AL)	-	-	-	11,766	-	-	-	-	-	-	-
Thurlow Dam (AL)	-	-	-	6,347	-	-	-	-	-	-	-
Walter Bouldin Dam (AL)	-	-	-	21,270	-	-	-	-	-	-	-
Weiss Dam (AL)	-	-	-	10,006	-	-	-	-	-	-	-
Yates Dam (AL)	-	-	-	3,755	-	-	-	-	-	-	-
Alamito Company	436,529	439	-	-	-	-	235	1	-	3	-
Springerville (AZ)	436,529	439	-	-	-	-	235	1	-	3	-
Alaska Electric G&T	-	-	-46	-	-	-	-	-	-	-	6
Soldotna (AK)	-	-	-46	-	-	-	-	-	-	-	6
Alaska Electric Lt & Pwr Co	-	199	-	6,217	-	-	-	*	-	-	4
Annex Creek (AK)	-	-	-	2,376	-	-	-	-	-	-	-
Gold Creek (AK)	-	50	-	461	-	-	-	*	-	-	-
Lemon Creek (AK)	-	149	-	-	-	-	-	*	-	-	4
Salmon Creek (AK)	-	-	-	3,380	-	-	-	-	-	-	-
Salmon Creek 2 (AK)	-	-	-	-	-	-	-	-	-	-	-
Alaska Power Administration	-	-	-	37,164	-	-	-	-	-	-	-
Eklutna (AK)	-	-	-	22,918	-	-	-	-	-	-	-
Snettisham (AK)	-	-	-	14,246	-	-	-	-	-	-	-
Alaska Power And Telephone											
Company	-	2,052	-	366	-	-	-	3	-	-	1
Craig (AK)	-	794	-	-	-	-	-	1	-	-	*
Dot Lake (AK)	-	-	-	-	-	-	-	-	-	-	*
Hydaburg (AK)	-	100	-	-	-	-	-	*	-	-	*
Skagway (AK)	-	402	-	366	-	-	-	1	-	-	*
Tok (AK)	-	756	-	-	-	-	-	1	-	-	*

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Alaska Village Electric Coop, Inc	-	2,742	-	-	-	-	-	6	-	-	36
Alakanuk (AK)	-	64	-	-	-	-	-	*	-	-	2
Ambler (AK)	-	66	-	-	-	-	-	*	-	-	1
Anvik (AK)	-	20	-	-	-	-	-	*	-	-	1
Chevak (AK)	-	87	-	-	-	-	-	*	-	-	1
Eek (AK)	-	33	-	-	-	-	-	*	-	-	-
Elim (AK)	-	42	-	-	-	-	-	*	-	-	1
Emmonak (AK)	-	142	-	-	-	-	-	*	-	-	2
Gambell (AK)	-	71	-	-	-	-	-	*	-	-	*
Goodnews Bay (AK)	-	39	-	-	-	-	-	*	-	-	*
Grayling (AK)	-	30	-	-	-	-	-	*	-	-	1
Holy Cross (AK)	-	36	-	-	-	-	-	*	-	-	1
Hooper Bay (AK)	-	118	-	-	-	-	-	*	-	-	*
Huslia (AK)	-	37	-	-	-	-	-	*	-	-	1
Kaltag (AK)	-	33	-	-	-	-	-	*	-	-	2
Kiana (AK)	-	70	-	-	-	-	-	*	-	-	*
Kivalina (AK)	-	50	-	-	-	-	-	*	-	-	*
Koyuk (AK)	-	47	-	-	-	-	-	*	-	-	1
Lower Kalskag (AK)	-	47	-	-	-	-	-	*	-	-	-
Marshall (AK)	-	47	-	-	-	-	-	*	-	-	1
Mekoryuk (AK)	-	45	-	-	-	-	-	*	-	-	*
Minto (AK)	-	30	-	-	-	-	-	*	-	-	1
Mountain Village (AK)	-	151	-	-	-	-	-	*	-	-	2
New Stuyahok (AK)	-	49	-	-	-	-	-	*	-	-	*
Noatak (AK)	-	46	-	-	-	-	-	*	-	-	*
Noorvik (AK)	-	79	-	-	-	-	-	*	-	-	*
Nulato (AK)	-	47	-	-	-	-	-	*	-	-	1
Nunapitchuk (AK)	-	118	-	-	-	-	-	*	-	-	-
Old Harbor (AK)	-	51	-	-	-	-	-	*	-	-	-
Pilot Station (AK)	-	73	-	-	-	-	-	*	-	-	1
Quinhagak (AK)	-	70	-	-	-	-	-	*	-	-	*
Russian Mission (AK)	-	31	-	-	-	-	-	*	-	-	1
Savoonga (AK)	-	79	-	-	-	-	-	*	-	-	*
Scammon Bay (AK)	-	56	-	-	-	-	-	*	-	-	2
Selawik (AK)	-	78	-	-	-	-	-	*	-	-	*
Shageluk (AK)	-	16	-	-	-	-	-	*	-	-	1
Shaktolik (AK)	-	42	-	-	-	-	-	*	-	-	1
Shishmaref (AK)	-	77	-	-	-	-	-	*	-	-	1
Shungnak (AK)	-	53	-	-	-	-	-	*	-	-	1
St Marys (AK)	-	148	-	-	-	-	-	*	-	-	2
St Michael (AK)	-	42	-	-	-	-	-	*	-	-	*
Stebbins (AK)	-	48	-	-	-	-	-	*	-	-	1
Togiak (AK)	-	104	-	-	-	-	-	*	-	-	-
Toksook Bay (AK)	-	62	-	-	-	-	-	*	-	-	2
Tununak (AK)	-	43	-	-	-	-	-	*	-	-	2
Wales (AK)	-	25	-	-	-	-	-	*	-	-	*
Albany City Of	-	112	-	-	-	-	-	*	-	-	*
Albany (MO)	-	112	-	-	-	-	-	*	-	-	*
Alexandria Bd Of Public Works ..	-	-	-	-	-	-	-	-	-	-	-
Alexandria (MN)	-	-	-	-	-	-	-	-	-	-	-
Alexandria Elec Lt & Pr Dept	-	-	2,094	-	-	-	-	-	14	-	18
Hunter, D G (LA)	-	-	2,094	-	-	-	-	-	14	-	18
Algona Municipal Utilities	-	128	-	-	-	-	-	*	-	-	2
Algona (IA)	-	128	-	-	-	-	-	*	-	-	2
Allegheny Electric Coop	-	-	-	3,168	-	-	-	-	-	-	-
Raystown (PA)	-	-	-	3,168	-	-	-	-	-	-	-
Alliance, City Of	-	-	-	-	-	-	-	-	-	-	-
Alliance (NE)	-	-	-	-	-	-	-	-	-	-	-
Alpena Power Co	-	-	-	1,628	-	-	-	-	-	-	-
Four Mile Dam (MI)	-	-	-	488	-	-	-	-	-	-	-
Hillman (MI)	-	-	-	67	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Alpena Power Co											
Ninth Street Dam (MI)	-	-	-	397	-	-	-	-	-	-	-
Norway Point Dam (MI)	-	-	-	676	-	-	-	-	-	-	-
Alta Mun Elec Lt & Pwr Plt Sys ...											
Alta (IA)	-	-2	-	-	-	-	-	-	-	-	*
Ames, City Of	28,173	206	-	-	-	-	20	1	-	16	1
Ames (IA)	28,173	157	-	-	-	-	20	*	-	16	1
Ames Gt (IA)	-	49	-	-	-	-	-	-	-	-	1
Anchorage Mun Lt & Pwr Dept											
Anchorage (AK)	-	7	55,733	-	-	-	-	*	736	-	24
GMS 2 (AK)	-	7	1,887	-	-	-	-	*	35	-	2
	-	-	54,046	-	-	-	-	-	701	-	21
Aniak Light & Power Company,											
Inc	-	160	-	-	-	-	-	*	-	-	1
Aniak (AK)	-	160	-	-	-	-	-	*	-	-	1
Anita Municipal Utilities											
Anita (IA)	-	-	-	-	-	-	-	-	-	-	-
Ansley Municipal Light Plant											
Ansley (NE)	-	-	-	-	-	-	-	-	-	-	-
Anthony City Of											
Anihony (KS)	-	923	489	-	-	-	-	5	15	-	*
	-	923	489	-	-	-	-	5	15	-	*
Appalachian Power Co (AEP)	2,728,003	5,645	-	17,797	-	-	1,039	7	-	2,060	84
Amos, John E (WV)	1,372,510	3,041	-	-	-	-	525	4	-	1,043	36
Buck (VA)	-	-	-	1,830	-	-	-	-	-	-	-
Syllesby 2 (VA)	-	-	-	2,208	-	-	-	-	-	-	-
Claytor (VA)	-	-	-	8,013	-	-	-	-	-	-	-
Clinch River (VA)	450,154	110	-	-	-	-	166	*	-	249	3
Glen Lyn (VA)	123,654	886	-	-	-	-	50	1	-	83	5
Kanawha River (WV)	98,450	249	-	-	-	-	39	*	-	125	2
Leesville (VA)	-	-	-	2,511	-	-	-	-	-	-	-
London (WV)	-	-	-	2,247	-	-	-	-	-	-	-
Marmet (WV)	-	-	-	2,845	-	-	-	-	-	-	-
Mountaineer (WV)	683,235	1,359	-	-	-	-	259	2	-	560	38
Niagara (VA)	-	-	-	-	-	-	-	-	-	-	-
Reusens (VA)	-	-	-	828	-	-	-	-	-	-	-
Smith Mountain (VA)	-	-	-	-7,881	-	-	-	-	-	-	-
Winfield (WV)	-	-	-	5,196	-	-	-	-	-	-	-
Arcadia Mun Electric Utility											
Arcadia (WI)	-	45	17	-	-	-	-	*	*	-	*
	-	45	17	-	-	-	-	*	*	-	*
Arcanum Water & Light Plant											
Arcanum (OH)	-	-	-	-	-	-	-	-	-	-	*
Argyle Municipal Elec & Water											
Dept	-	-	-	-	-	-	-	-	-	-	-
Argyle (WI)	-	-	-	-	-	-	-	-	-	-	-
Arizona Electric Pwr Coop, Inc	221,591	-	14,400	-	-	-	101	-	155	96	-
Apache Station (AZ)	221,591	-	14,400	-	-	-	101	-	155	96	-
Arizona Public Service Company	1,713,575	1,725	85,993	2,880	2,306,939	-	999	3	882	968	202
Childs (AZ)	-	-	-	1,908	-	-	-	-	-	-	-
Cholla (AZ)	513,230	1,15	770	-	-	-	285	3	10	340	7
Fairview (AZ)	-	10	-	-	-	-	-	*	-	-	9
Four Corners (NM)	1,200,345	-	5,680	-	-	-	713	-	59	629	-
Irving (AZ)	-	-	-	972	-	-	-	-	-	-	-
Ocotillo (AZ)	-	-	3,606	-	-	-	-	-	46	-	32
Palo Verde (AZ)	-	-	-	-	2,306,939	-	-	-	-	-	-
Phoenix (AZ)	-	-	54,672	-	-	-	-	-	507	-	48
Saguaro (AZ)	-	-	156	-	-	-	-	-	2	-	43

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Arizona Public Service Company											
Yucca (AZ)	-	-	20,470	-	-	-	-	-	249	-	-
Yuma Axis (AZ)	-	-	629	-	-	-	-	-	8	-	63
Arkansas Electric Coop Corp	-	-	-	6,291	-	-	-	-	-	-	-
Bailey (AR)	-	-	-	-	-	-	-	-	-	-	-
Clyde Ellis (AR)	-	-	-	6,291	-	-	-	-	-	-	-
Fitzhugh (AR)	-	-	-	-	-	-	-	-	-	-	-
Mc Clellan (AR)	-	-	-	-	-	-	-	-	-	-	-
Arkansas Power & Light Co											
(MSU)	1,605,519	5,984	383,071	7,395	1,009,728	-	985	12	4,264	1,001	257
Arkansas Nuclear One(AR)	-	-	-	-	1,069,728	-	-	-	-	-	-
Blytheville (AR)	-	264	-	-	-	-	-	1	-	-	29
Carpenter (AR)	-	-	-	4,797	-	-	-	-	-	-	-
Couch, Harvey (AR)	-	-	34,053	-	-	-	-	-	376	-	5
Independence (AR)	722,805	5,045	-	-	-	-	435	10	-	532	15
L Catherine (AR)	-	-	133,865	-	-	-	-	-	1,465	-	15
Lynch, Cecil (AR)	-	-	-151	-	-	-	-	-	-	-	6
Mablevale (AR)	-	-	-	-	-	-	-	-	-	-	9
Moses, Ham (AR)	-	-	-153	-	-	-	-	-	-	-	5
Rammel (AR)	-	-	-	2,598	-	-	-	-	-	-	-
Ritchie, R E (AR)	-	-	215,457	-	-	-	-	-	2,422	-	145
White Bluff (AR)	882,714	655	-	-	-	-	549	1	-	469	28
Arnold Municipal Plant	-	-	-	-	-	-	-	-	-	-	-
Arnold (NE)	-	-	-	-	-	-	-	-	-	-	-
Ashland, City Of	-	40	26	-	-	-	-	-	1	-	1
Ashland (KS)	-	40	26	-	-	-	-	-	1	-	1
Associated Electric Coop, Inc	853,485	1,458	-	-	-	-	410	2	-	1,208	24
New Madrid (MO)	460,120	87	-	-	-	-	218	-	-	624	1
Thomas Hill (MO)	393,365	1,371	-	-	-	-	191	2	-	564	6
Unionville (MO)	-	-	-	-	-	-	-	-	-	-	17
Atlantic City Electric Co (ACE)	190,584	8,032	38,451	-	-	-	79	16	471	126	551
* Central Storage *	-	-	-	-	-	-	-	-	-	-	135
Carlis Corner (NJ)	-	-	6,216	-	-	-	-	-	82	-	13
Cedar (NJ)	-	359	-	-	-	-	-	2	-	-	9
Cumberland St (NJ)	-	1,171	26	-	-	-	-	3	-	-	15
Deepwater (NJ)	38,312	-	25,613	-	-	-	16	-	292	27	108
England, B L (NJ)	152,272	5,396	-	-	-	-	63	8	-	100	203
Mickleton Street (NJ)	-	-	6,596	-	-	-	-	-	98	-	17
Middle (NJ)	-	629	-	-	-	-	-	2	-	-	12
Missouri Avenue (NJ)	-	477	-	-	-	-	-	1	-	-	7
Atlantic Mun Utilities	-	-	-	-	-	-	-	-	-	-	2
Atlantic (IA)	-	-	-	-	-	-	-	-	-	-	2
Attica City Of	-	-	-	-	-	-	-	-	-	-	-
Attica (KS)	-	-	-	-	-	-	-	-	-	-	-
Auburn City Of	-	8	42	-	-	-	-	-	1	-	1
Auburn (NE)	-	8	42	-	-	-	-	-	1	-	1
Augusta City Of	-	196	4,281	-	-	-	-	-	44	-	-
Plant No 1 (KS)	-	-26	-	-	-	-	-	-	-	-	-
Plant No 2 (KS)	-	222	4,281	-	-	-	-	-	44	-	-
Augusta Light And Water Plant	-	-	-	-	-	-	-	-	-	-	-
Fairbanks (AR)	-	-	-	-	-	-	-	-	-	-	-
Austin Electric Dept	-	11	187,528	-	-	32	-	-	2,080	-	241
Decker Creek (TX)	-	4	129,438	-	-	32	-	-	1,369	-	99
Holly Street (TX)	-	7	58,343	-	-	-	-	-	711	-	139
Seaholm (TX)	-	-	-253	-	-	-	-	-	-	-	3

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Austin Utilities	-	-	-	-	-	-	-	-	-	17	-
Austin (MN)	-	-	-	-	-	-	-	-	-	-	-
Northeast Station (MN)	-	-	-	-	-	-	-	-	-	17	-
Baker City Of	-	-	-	-	-	-	-	-	-	-	-
Baker (OR)	-	-	-	-	-	-	-	-	-	-	-
Baldwin City Of	-	27	120	-	-	-	-	-	1	-	1
Attica (KS)	-	27	120	-	-	-	-	-	1	-	1
Baltimore Gas & Electric Co	651,421	169,967	69,889	-	-13,867	-	256	351	1,013	741	827
* Central Storage *	-	-	-	-	-	-	-	-	-	-	-
Brandon (MD)	254,629	-	-	-	-	-	98	-	-	470	2
Calvert Cliffs (MD)	-	-	-	-	-13,867	-	-	-	-	-	-
Crane, C P (MD)	186,844	-	-	-	-	-	78	-	-	87	5
Gould Street (MD)	-	17,086	-	-	-	-	-	36	-	-	27
Notch Cliff (MD)	-	-	8,225	-	-	-	-	-	137	-	-
Perryman (MD)	-	4,131	-	-	-	-	-	6	-	-	96
Philadelphia Road (MD)	-	1,141	-	-	-	-	-	2	-	-	13
Riverside (MD)	-	40,448	14,065	-	-	-	-	90	215	-	219
Wagner, H A (MD)	209,948	87,033	42,437	-	-	-	80	174	567	184	414
Westport (MD)	-	20,128	5,162	-	-	-	-	43	93	-	51
Bancroft Mun Electric Plant	-	-	-	-	-	-	-	-	-	-	-
Bancroft (IA)	-	-	-	-	-	-	-	-	-	-	-
Bandette Light & Water Dept	-	-	-	-	-	-	-	-	-	-	-
Baudette (MN)	-	-	-	-	-	-	-	-	-	-	-
Bangor Hydro Electric Co	-	1,063	-	16,448	-	-	-	3	-	-	13
Bar Harbor (ME)	-	54	-	-	-	-	-	-	-	-	1
Eastport (ME)	-	27	-	-	-	-	-	-	-	-	1
Ellsworth (ME)	-	-	-	1,469	-	-	-	-	-	-	-
Graham Station (ME)	-	931	-	-	-	-	-	2	-	-	11
Howland (ME)	-	-	-	591	-	-	-	-	-	-	-
Medway (ME)	-	51	-	2,789	-	-	-	-	-	-	1
Millford (ME)	-	-	-	4,753	-	-	-	-	-	-	-
Orono (ME)	-	-	-	590	-	-	-	-	-	-	-
Stanford (ME)	-	-	-	-	-	-	-	-	-	-	-
Stillwater (ME)	-	-	-	784	-	-	-	-	-	-	-
Veazie (ME)	-	-	-	5,472	-	-	-	-	-	-	-
Bangor-Pac Hydro Asso	-	-	-	6,624	-	-	-	-	-	-	-
West Enfield (ME)	-	-	-	6,624	-	-	-	-	-	-	-
Barnesville City Of	-	-	-	-	-	-	-	-	-	-	-
Barnesville (MN)	-	-	-	-	-	-	-	-	-	-	-
Barron Light & Water Dept	-	-	-	27	-	-	-	-	-	-	-
Barron (WI)	-	-	-	27	-	-	-	-	-	-	-
Barrow Utils & Elec Coop Inc	-	-	2,450	-	-	-	-	-	74	-	-
Barrow (AK)	-	-	2,450	-	-	-	-	-	74	-	-
Barton Village Electric Dept	-	6	-	116	-	-	-	-	-	-	-
W. Charleston (VT)	-	6	-	116	-	-	-	-	-	-	-
Basin Electric Pwr Coop, Inc	1,574,810	4,045	-	-	-	-	1,151	10	-	2,927	29
Antelope Valley (ND)	417,846	278	-	-	-	-	350	1	-	256	3
Laramie River (WY)	961,758	1,385	-	-	-	-	625	3	-	2,071	8
Leland Olds (ND)	195,206	882	-	-	-	-	176	3	-	599	2
Neal, William J. (ND)	-	-	-	-	-	-	-	-	-	-	-
Spirit Mound (SD)	-	1,500	-	-	-	-	-	4	-	-	17
Beaver City Corporation	-	-	-	223	-	-	-	-	-	-	-
Beaver Lower (UT)	-	-	-	40	-	-	-	-	-	-	-
Beaver Upper (UT)	-	-	-	183	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Beaver City Of	-	2	-	-	-	-	-	*	-	-	*
Beaver City (NE)	-	2	-	-	-	-	-	-	-	-	-
Bedford Electric Dept	-	-	-	4,445	-	-	-	-	-	-	-
Snowden (VA)	-	-	-	4,445	-	-	-	-	-	-	-
Bellevue City Of	-	81	950	-	-	-	-	*	11	-	2
Bellevue (KS)	-	81	950	-	-	-	-	*	11	-	2
Bellevue Municipal Utilities	-	45	41	-	-	-	-	*	1	-	1
Bellevue (IA)	-	45	41	-	-	-	-	*	1	-	1
Beloit City Of	-	71	621	-	-	-	-	*	8	-	*
Beloit (KS)	-	71	621	-	-	-	-	*	8	-	*
Benkelman City Of	-	-	-	-	-	-	-	-	-	-	-
Benkelman (NE)	-	-	-	-	-	-	-	-	-	-	-
Benson Water Light Heat & Pwr Plt	-	-	-	-	-	-	-	-	-	-	-
Benson (MN)	-	-	-	-	-	-	-	-	-	-	-
Benton Electric Lgt And Pwr Dist Benton (AR)	-	-	-	-	-	-	-	-	-	-	-
Berlin Electric Light Plant	-	81	-	-	-	-	-	*	-	-	1
Berlin (MD)	-	81	-	-	-	-	-	*	-	-	1
Bethany City	-	231	-	-	-	-	-	*	-	-	1
Bethany (MO)	-	231	-	-	-	-	-	*	-	-	1
Bethel Utilities Commission	-	2,211	-	-	-	-	-	4	-	-	-
Bethel (AK)	-	2,211	-	-	-	-	-	4	-	-	-
Bettles Light & Power Inc	-	63	-	-	-	-	-	*	-	-	1
Bettles (AK)	-	63	-	-	-	-	-	*	-	-	1
Big Rivers Electric Corporation ...	909,865	1,000	126	-	-	-	419	2	1	770	13
Coleman (KY)	308,949	-	126	-	-	-	138	-	1	166	2
Green (KY)	231,936	631	-	-	-	-	116	1	-	295	1
Henderson II (KY)	198,395	12	-	-	-	-	85	*	-	-	1
Reid, Robert (KY)	32,354	203	-	-	-	-	16	1	-	119	5
Wilson (KY)	138,231	154	-	-	-	-	63	*	-	200	5
Black Hills Pwr & Lt Co	41,050	279	-	-	-	-	41	1	*	13	22
French, Ben (SD)	12,209	279	-	-	-	-	9	1	*	4	21
Kirk (SD)	8,207	-	-	-	-	-	10	-	-	9	-
Osage (WY)	19,860	-	-	-	-	-	20	-	-	-	-
Simpson, Neil (WY)	774	-	-	-	-	-	1	-	-	-	-
Black River Falls, City Of	-	-	-	314	-	-	-	-	-	-	*
Black River Falls (WI)	-	-	-	314	-	-	-	-	-	-	*
Block Island Power Co	-	725	-	-	-	-	-	1	-	-	1
Block Island (RI)	-	725	-	-	-	-	-	1	-	-	1
Bloomfield Mun Utilities	-	-	-	-	-	-	-	-	-	-	1
Bloomfield (IA)	-	-	-	-	-	-	-	-	-	-	1
Blooming Prairie Pub Utils Comm Blooming Prairie (MN)	-	-	-	-	-	-	-	-	-	-	*
Blue Earth Lt & Wtr Dept	-	-	-	-	-	-	-	-	-	-	*
Blue Earth (MN)	-	-	-	-	-	-	-	-	-	-	*
Blue Hill Water & Lt Dept	-	-	-	-	-	-	-	-	-	-	-
Blue Hill (NE)	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Blue Ridge Electric Membership Corp	-	-	-	4	-	-	-	-	-	-	-
Sharp Falls (NC)	-	-	-	4	-	-	-	-	-	-	-
Bluffton Utilities	-	9	134	-	-	-	-	*	*	-	2
Bluffton (IN)	-	9	134	-	-	-	-	*	*	-	2
Bonniers Ferry City Of (Lt & Wtr Dpt)	-	-	-	1,236	-	-	-	-	-	-	-
Bonniers Ferry (ID)	-	-	-	-	-	-	-	-	-	-	-
Moyie (ID)	-	-	-	1,236	-	-	-	-	-	-	-
Boston Edison Company	-	124,595	404,118	-	104,302	-	-	218	4,121	-	974
Edgar (MA)	-	25	-	-	-	-	-	-	-	-	1
Framingham (MA)	-	52	-	-	-	-	-	*	-	-	1
L Street (MA)	-	41	-	-	-	-	-	*	-	-	1
Mystic (MA)	-	124,411	171,129	-	-	-	-	218	1,821	-	617
New Boston (MA)	-	-	232,910	-	-	-	-	-	2,298	-	347
Pilgrim (MA)	-	-	-	-	104,302	-	-	-	-	-	-
West Medway (MA)	-	66	79	-	-	-	-	*	1	-	7
Boston Metro Dist Comm-WD	-	-	-	-	-	-	-	-	-	-	-
Aqueduct Transfer (MA)	-	-	-	-	-	-	-	-	-	-	-
Oakdale (MA)	-	-	-	-	-	-	-	-	-	-	-
Wachusett (MA)	-	-	-	-	-	-	-	-	-	-	-
Winsor (MA)	-	-	-	-	-	-	-	-	-	-	-
Bountiful City Light & Power	-	8	15	-	-	-	-	*	*	-	1
Bountiful (UT)	-	8	15	-	-	-	-	*	*	-	1
Echo Dam (UT)	-	-	-	-	-	-	-	-	-	-	-
Bowersock Mills & Power Co	-	-	-	1,153	-	-	-	-	-	-	-
Lawrence (KS)	-	-	-	1,153	-	-	-	-	-	-	-
Brady Water & Light Works	-	955	-	-	-	-	-	2	-	-	1
Brady (TX)	-	955	-	-	-	-	-	2	-	-	1
Braintree Electric Light Dept	-	-	35,036	-	-	-	-	-	365	-	20
Potter Station (MA)	-	-	35,036	-	-	-	-	-	365	-	20
Brazos Elec Pwr Coop, Inc	-	-	138,141	-	-	-	-	-	1,389	-	115
Miller, R W (TX)	-	-	135,740	-	-	-	-	-	1,348	-	105
North Texas (TX)	-	-	2,401	-	-	-	-	-	41	-	10
Poage, W. R. (TX)	-	-	-	-	-	-	-	-	-	-	-
Brazos River Authority	-	-	-	5,764	-	-	-	-	-	-	-
M Sheppard (TX)	-	-	-	5,764	-	-	-	-	-	-	-
Breese City Of	-	9	-	-	-	-	-	*	-	-	1
Breese (IL)	-	9	-	-	-	-	-	*	-	-	1
Brigham City Corporation	-	-	-	558	-	-	-	-	-	-	-
Brigham City (UT)	-	-	-	212	-	-	-	-	-	-	-
Brigham 2 (UT)	-	-	-	346	-	-	-	-	-	-	-
Broken Bow Mun Utilities	-	21	207	-	-	-	-	*	3	-	*
Broken Bow (NE)	-	21	207	-	-	-	-	*	3	-	*
Brooklyn Mun Utilities	-	61	-	-	-	-	-	*	-	-	*
Brooklyn (IA)	-	61	-	-	-	-	-	*	-	-	*
Brownfield Mun Pr & Lt Plant	-	-	-46	-	-	-	-	-	-	-	*
Brownfield (TX)	-	-	-46	-	-	-	-	-	-	-	*
Brownsville City Of (Pub Utils Brd)	-	5	500	-	-	-	-	*	8	-	29
Brownsville (TX)	-	5	500	-	-	-	-	*	8	-	29

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Bryan City Of	-	-	46,272	-	-	-	-	-	499	-	86
Bryan (TX)	-	-	6,549	-	-	-	-	-	82	-	35
Dansby (TX)	-	-	39,723	-	-	-	-	-	417	-	51
Bryan Municipal Light & Water Works	-	10	58	-	-	-	-	*	1	-	7
Bryan (OH)	-	10	58	-	-	-	-	*	1	-	7
Bryant Light & Power Plant	-	-	-	-	-	-	-	-	-	-	-
Bryant (SD)	-	-	-	-	-	-	-	-	-	-	-
Buhl Public Utilities Dept	-	-	-	-	-	-	-	-	-	-	-
Buhl (MN)	-	-	-	-	-	-	-	-	-	-	-
Burbank Public Service Department	-	-	26,646	-	-	-33	-	-	290	-	76
Magnolia (CA)	-	-	468	-	-	-33	-	-	11	-	74
Olive (CA)	-	-	26,178	-	-	-	-	-	279	-	2
Burlingame City Of	-	-	201	-	-	-	-	-	2	-	-
Burlingame (KS)	-	-	201	-	-	-	-	-	2	-	-
Burlington City Of	-	29	178	-	-	-	-	*	2	-	1
Burlington (KS)	-	29	178	-	-	-	-	*	2	-	1
Burlington City Of	-	-	-	-	-	-	-	-	-	-	-
Burlington (CO)	-	-	-	-	-	-	-	-	-	-	-
Burlington Electric Light Dept	-	129	11,031	-	-	9,235	-	*	119	-	11
Burlington (VT)	-	67	-	-	-	-	-	*	-	-	6
J C McNeil (VT)	-	62	11,031	-	-	9,235	-	*	119	-	5
Burwell Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Burwell (NE)	-	-	-	-	-	-	-	-	-	-	-
Bushnell Mun Elec Lt & Pwr Util ..	-	-	-	-	-	-	-	-	-	-	-
Bushnell (IL)	-	-	-	-	-	-	-	-	-	-	-
Butler Light & Water Service	-	16	-	-	-	-	-	*	-	-	1
Butler (MO)	-	16	-	-	-	-	-	*	-	-	1
Ca State Dept Of Water Resources	-	-	-	179,211	-	2,138	-	-	-	-	-
Alamo (CA)	-	-	-	2,514	-	-	-	-	-	-	-
Bottle Rock (CA)	-	-	-	-	-	2,138	-	-	-	-	-
Devil Canyon (CA)	-	-	-	81,165	-	-	-	-	-	-	-
Edw Hyatt (CA)	-	-	-	46,251	-	-	-	-	-	-	-
San Luis (CA)	-	-	-	-7,721	-	-	-	-	-	-	-
Thermal Div (CA)	-	-	-	1,948	-	-	-	-	-	-	-
Thermalito (CA)	-	-	-	6,608	-	-	-	-	-	-	-
W E Warne (CA)	-	-	-	48,446	-	-	-	-	-	-	-
Cajun Elec Power Coop Inc	738,308	2,043	65,103	-	-	-	459	4	815	976	33
Big Cajun 1 (LA)	-	21	65,103	-	-	-	-	*	815	-	22
Big Cajun 2 (LA)	738,308	2,022	-	-	-	-	459	4	-	976	11
Callaway Mun Elec Utilities	-	-	-	-	-	-	-	-	-	-	-
Callaway (NE)	-	-	-	-	-	-	-	-	-	-	-
Cambridge Lt & Water Works	-	-	-	-	-	-	-	-	-	-	-
Cambridge (NE)	-	-	-	-	-	-	-	-	-	-	-
Campbell Municipal Elec Dept	-	-	-	-	-	-	-	-	-	-	-
Campbell (NE)	-	-	-	-	-	-	-	-	-	-	-
Campbell Lt & Pwr	-	-	-	-	-	-	-	-	-	-	-
Campbell (MO)	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Cape Hatteras Elec Membership Corp	-	-	-	-	-	-	-	-	-	-	-
Buxton (NC)	-	-	-	-	-	-	-	-	-	-	-
Cardinal Operating Company (AEP)	677,113	797	-	-	-	-	264	1	-	858	17
Cardinal (OH)	677,113	797	-	-	-	-	264	1	-	858	17
Carlyle Municipal Utilities	-	8	-	-	-	-	-	*	*	-	*
Carlyle (IL)	-	8	-	-	-	-	-	*	*	-	*
Carmi Light & Water	-	28	195	-	-	-	-	*	2	-	1
Carmi (IL)	-	28	195	-	-	-	-	*	2	-	1
Carolina Power & Light Co	1,878,876	8,747	3,654	29,964	1,485,216	-	755	19	69	2,630	210
Asheville (NC)	194,828	277	-	-	-	-	75	*	-	218	1
Blewett (NC)	-	283	-	5,708	-	-	-	1	-	-	8
Brunswick (NC)	-	-	-	-	805,047	-	-	-	-	-	-
Cape Fear (NC)	122,783	731	-	-	-	-	49	2	-	134	22
Darlington County (SC)	-	-	3,559	-	-	-	-	-	67	-	105
Harris (NC)	-	-	-	-	585,388	-	-	-	-	-	-
Lee (NC)	65,716	1,063	-	-	-	-	28	3	-	172	23
Marshall (NC)	-	-	-	1,704	-	-	-	-	-	-	-
Mayo (NC)	212,426	506	-	-	-	-	90	1	-	432	6
Morehead (NC)	-	-	-	-	-	-	-	-	-	-	-
Robinson, H B (SC)	53,761	270	95	-	94,781	-	22	*	2	78	3
Roxboro (NC)	1,019,492	2,743	-	-	-	-	402	5	-	1,228	13
Sutton (NC)	171,597	1,971	-	-	-	-	73	4	-	272	12
Tillery (NC)	-	-	-	9,181	-	-	-	-	-	-	-
Walters (NC)	-	-	-	13,371	-	-	-	-	-	-	-
Weatherspoon (NC)	38,073	903	-	-	-	-	18	3	*	96	17
Carrollton Municipal Utilities	-	43	325	-	-	-	-	*	3	-	6
Carrollton (MO)	-	43	325	-	-	-	-	*	3	-	6
Carthage Water & Elec Plant	-	8	68	-	-	-	-	*	1	-	4
Carthage (MO)	-	8	68	-	-	-	-	*	1	-	4
Cascade Mun Elec Plant	-	87	-	-	-	-	-	*	-	-	*
Cascade (IA)	-	87	-	-	-	-	-	*	-	-	*
Cascade Power Company	-	-	-	256	-	-	-	-	-	-	-
Brevard (NC)	-	-	-	256	-	-	-	-	-	-	-
Cashton Light & Water Plant	-	-	-	-	-	-	-	-	-	-	-
Cashton (WI)	-	-	-	-	-	-	-	-	-	-	-
Cedar Falls Utilities	5,868	-	485	-	-	-	3	-	8	17	8
Cedar Falls Gt (IA)	5,868	-	71	-	-	-	3	-	1	17	-
Streeter (IA)	-	-	414	-	-	-	-	-	7	-	6
Centel Corporation	20,396	721	64,417	-	-	20	12	1	948	10	84
Cimarron River (KS)	-	-	12,004	-	-	-	-	-	177	-	-
Clark, W N (CO)	20,396	-	1,623	-	-	20	12	-	22	10	-
Clifton (KS)	-	3	25	-	-	-	-	*	1	-	6
Judson Large (KS)	-	-	35,703	-	-	-	-	-	485	-	43
Mullergren, Arthur (KS)	-	76	7,338	-	-	-	-	*	90	-	22
Pueblo (CO)	-	8	4,962	-	-	-	-	*	126	-	7
Rocky Ford (CO)	-	634	2,762	-	-	-	-	1	48	-	6
Center Mun Lt & Pwr	-	-	-	-	-	-	-	-	-	-	-
Center (CO)	-	-	-	-	-	-	-	-	-	-	-
Central Electric Power Coop	32,113	17	-	-	-	-	16	*	-	22	*
Chamois (MO)	32,113	17	-	-	-	-	16	*	-	22	*
Central Hudson Gas & Elec Corp	200,155	351,902	60,825	7,907	-	-	79	583	704	164	980
Coxsackie (NY)	-	-	522	-	-	-	-	-	7	-	3

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Central Hudson Gas & Elec Corp											
Danskammer (NY)	200,155	48	60,303	-	-	-	79	-	697	164	27
Dashville (NY)	-	-	-	582	-	-	-	-	-	-	-
High Falls (NY)	-	-	-	-	-	-	-	-	-	-	-
Neversink (NY)	-	-	-	5,394	-	-	-	-	-	-	-
Roseton (NY)	-	351,772	-	-	-	-	-	563	-	-	947
South Cairo (NY)	-	82	-	-	-	-	-	-	-	-	3
Sturgeon Pool (NY)	-	-	-	1,931	-	-	-	-	-	-	-
Central Illinois Light Co	438,977	815	350	-	-	-	184	1	6	323	1
Duck Creek (IL)	159,053	450	-	-	-	-	77	1	-	167	1
E D Edwards (IL)	279,124	365	-	-	-	-	107	-	-	155	1
Sterling Avenue (IL)	-	-	350	-	-	-	-	-	6	-	-
Central Illinois Public Service Co	658,615	3,584	-	-	-	-	303	8	-	845	78
Coffeen (IL)	98,646	146	-	-	-	-	52	-	-	496	5
Grand Tower (IL)	8,620	251	-	-	-	-	5	1	-	40	1
Hutsonville (IL)	71,790	175	-	-	-	-	33	-	-	49	1
Meredosia (IL)	114,760	2,221	-	-	-	-	54	5	-	61	65
Newton (IL)	364,799	771	-	-	-	-	159	1	-	200	6
Central Iowa Power Coop	17,387	1,080	431	-	-	-	10	3	3	95	6
Fair Station (IA)	17,387	-	29	-	-	-	10	-	-	95	-
Summit Lake (IA)	-	1,080	402	-	-	-	-	3	2	-	6
Central Louisiana Elec Co, Inc	683,609	-	275,988	-	-	-	478	-	2,789	870	209
Coughlin (LA)	-	-	38,337	-	-	-	-	-	421	-	49
Dolet Hills (LA)	376,246	-	993	-	-	-	296	-	10	390	-
Franklin (LA)	-	-	5	-	-	-	-	-	-	-	-
Rodemacher (LA)	307,363	-	122,844	-	-	-	182	-	1,243	480	118
Teche (LA)	-	-	113,809	-	-	-	-	-	1,115	-	42
Central Maine Power Company	-	35,794	-	110,169	-	-	-	69	-	-	474
Andro Lower (ME)	-	-	-	7	-	-	-	-	-	-	-
Andro Upper (ME)	-	-	-	37	-	-	-	-	-	-	-
Androscoggin 3 (ME)	-	-	-	2,190	-	-	-	-	-	-	-
Automatic (ME)	-	-	-	71	-	-	-	-	-	-	-
Bar Mills (ME)	-	-	-	980	-	-	-	-	-	-	-
Bates Lower (ME)	-	-	-	23	-	-	-	-	-	-	-
Bates Upper (ME)	-	-	-	186	-	-	-	-	-	-	-
Bonny Eagle (ME)	-	-	-	1,831	-	-	-	-	-	-	-
Brunswick (ME)	-	-	-	5,206	-	-	-	-	-	-	-
C. E. Monty (ME)	-	-	-	6,069	-	-	-	-	-	-	-
Cape (ME)	-	-23	-	-	-	-	-	-	-	-	10
Cataract (ME)	-	-	-	1,634	-	-	-	-	-	-	-
Continental Mills (ME)	-	-	-	85	-	-	-	-	-	-	-
Deer Rips (ME)	-	-	-	1,251	-	-	-	-	-	-	-
Fort Halifax (ME)	-	-	-	591	-	-	-	-	-	-	-
Gulf Island (ME)	-	-	-	6,889	-	-	-	-	-	-	-
Harris (ME)	-	-	-	22,501	-	-	-	-	-	-	-
Hill Mill (ME)	-	-	-	117	-	-	-	-	-	-	-
Hiram (ME)	-	-	-	2,261	-	-	-	-	-	-	-
Islesboro (ME)	-	-	-	-	-	-	-	-	-	-	-
Mason (ME)	-	-274	-	-	-	-	-	-	-	-	104
North Gorham (ME)	-	-	-	803	-	-	-	-	-	-	-
Oakland (ME)	-	-	-	235	-	-	-	-	-	-	-
Peaks Island (ME)	-	1	-	-	-	-	-	-	-	-	-
Rice Rips (ME)	-	-	-	105	-	-	-	-	-	-	-
Shawmut (ME)	-	-	-	4,848	-	-	-	-	-	-	-
Skelton (ME)	-	-	-	13,438	-	-	-	-	-	-	-
Union Gas (ME)	-	-	-	62	-	-	-	-	-	-	-
West Buxton (ME)	-	-	-	1,360	-	-	-	-	-	-	-
West Channel (MA)	-	-	-	54	-	-	-	-	-	-	-
Weston (ME)	-	-	-	7,286	-	-	-	-	-	-	-
Williams (ME)	-	-	-	-14	-	-	-	-	-	-	-
Wyman Hydro (ME)	-	-	-	30,063	-	-	-	-	-	-	-
Wyman, W F (ME)	-	36,090	-	-	-	-	-	69	-	-	360

See footnotes at end of table.

**Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant,
September 1990 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Central Nebraska Pub Pwr & Irr											
Dist	-	455	34,819	15,497	-	-	-	1	408	-	83
Canaday (NE)	-	455	34,819	-	-	-	-	1	408	-	83
Jeffrey Canyon (NE)	-	-	-	6,194	-	-	-	-	-	-	-
Johnson No 1 (NE)	-	-	-	2,433	-	-	-	-	-	-	-
Johnson No 2 (NE)	-	-	-	2,492	-	-	-	-	-	-	-
Kingsley (NE)	-	-	-	4,378	-	-	-	-	-	-	-
Central Operating Company											
(AEP)	478,969	1,371	-	-	-	-	184	2	-	747	12
Sporn, Phil (WV)	478,969	1,371	-	-	-	-	184	2	-	747	12
Central Power & Light Co (CSW)	381,788	816	835,954	5,133	-	-	176	1	8,358	373	534
Central Storage	-	-	-	-	-	-	-	-	-	-	-
Bates, J L (TX)	-	-	44,440	-	-	-	-	-	468	-	42
Coletto Creek (TX)	381,788	159	-	-	-	-	176	-	-	373	6
Davis, Barney M (TX)	-	439	250,067	-	-	-	-	1	2,539	-	158
Eagle Pass (TX)	-	-	-	5,133	-	-	-	-	-	-	-
Hill, Lon C (TX)	-	-	110,755	-	-	-	-	-	1,113	-	74
Joslin, E S (TX)	-	21	85,715	-	-	-	-	-	846	-	53
La Palma (TX)	-	-	73,638	-	-	-	-	-	741	-	47
Laredo (TX)	-	145	69,085	-	-	-	-	-	729	-	31
Nueces Bay (TX)	-	52	174,450	-	-	-	-	-	1,640	-	68
Victoria (TX)	-	-	27,804	-	-	-	-	-	280	-	54
Central Vermont Pub Serv Corp ..	-	16	-	10,042	-	-	-	-	-	-	11
Arnold Falls (VT)	-	-	-	105	-	-	-	-	-	-	-
Ascutney (VT)	-	22	-	-	-	-	-	-	-	-	4
Bradford (VT)	-	-	-	325	-	-	-	-	-	-	-
Carver Falls (NY)	-	-	-	119	-	-	-	-	-	-	-
Cavendish (VT)	-	-	-	174	-	-	-	-	-	-	-
Clarks Falls (VT)	-	-	-	1,036	-	-	-	-	-	-	-
East Barnet (VT)	-	-	-	520	-	-	-	-	-	-	-
Fairfax Falls (VT)	-	-	-	1,554	-	-	-	-	-	-	-
Gage (VT)	-	-	-	122	-	-	-	-	-	-	-
Glen (VT)	-	-	-	351	-	-	-	-	-	-	-
Lower Middlebury (VT)	-	-	-	410	-	-	-	-	-	-	-
Milton (VT)	-	-	-	1,932	-	-	-	-	-	-	-
Passumpsic (VT)	-	-	-	321	-	-	-	-	-	-	-
Patch (VT)	-	-	-	54	-	-	-	-	-	-	-
Peterson (VT)	-	-	-	1,259	-	-	-	-	-	-	-
Pierce Mills (VT)	-	-	-	132	-	-	-	-	-	-	-
Pittsford (VT)	-	-	-	798	-	-	-	-	-	-	-
Rutland (VT)	-	-9	-	-	-	-	-	-	-	-	6
Salisbury (VT)	-	-	-	205	-	-	-	-	-	-	-
Silver Lake (VT)	-	-	-	622	-	-	-	-	-	-	-
St. Albans (VT)	-	3	-	-	-	-	-	-	-	-	-
Taftsville (VT)	-	-	-	6	-	-	-	-	-	-	-
Weybridge (VT)	-	-	-	-3	-	-	-	-	-	-	-
Centralla Mun Hydro-Elec Plant ...	-	-	-	3,975	-	-	-	-	-	-	-
Centralla (WA)	-	-	-	3,975	-	-	-	-	-	-	-
Chanute City Of	-	75	903	-	-	-	-	-	10	-	1
Chanute (KS)	-	-	-22	-	-	-	-	-	-	-	-
Chanute 2 (KS)	-	-	-27	-	-	-	-	-	-	-	-
Chanute 3 (KS)	-	75	952	-	-	-	-	-	10	-	1
Chappell City Of	-	-	-	-	-	-	-	-	-	-	-
Chappell (NE)	-	-	-	-	-	-	-	-	-	-	-
Chelan County P U D No 1	-	-	-	522,741	-	-	-	-	-	-	-
Chelan (WA)	-	-	-	27,041	-	-	-	-	-	-	-
Rock Island (WA)	-	-	-	149,206	-	-	-	-	-	-	-
Rocky Reach (WA)	-	-	-	346,494	-	-	-	-	-	-	-
Cheyenne Lt, Fuel & Power Co ...	-	-300	-	-	-	-	-	-	-	-	-
Corlett (WY)	-	-	-	-	-	-	-	-	-	-	-
Snyder (WY)	-	-300	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Chillicothe Municipal Utilities	-	-	-	-	-	-	-	-	-	1	9
Beardmore (MO)	-	-	-	-	-	-	-	-	-	1	9
Chugach Electric Assn, Inc	-	-	153,384	3,416	-	-	-	-	1,961	-	10
Beluga (AK)	-	-	138,845	-	-	-	-	-	1,695	-	-
Bernice Lake (AK)	-	-	13,881	-	-	-	-	-	248	-	3
Cooper Lake (AK)	-	-	-	3,416	-	-	-	-	-	-	-
International (AK)	-	-	658	-	-	-	-	-	18	-	7
Cincinnati Gas & Electric Co	1,398,674	4,892	1,628	-	-	-	606	10	34	1,214	63
Beckjord, Walter C (OH)	529,875	1,902	-	-	-	-	231	4	-	311	26
Dicks Creek (OH)	-	86	1,628	-	-	-	-	*	34	-	6
East Bend (KY)	284,243	371	-	-	-	-	127	1	-	285	9
Miami Fort (OH)	584,556	2,533	-	-	-	-	248	5	-	617	22
Citizens Utilities Co	-	14	-	769	-	-	-	*	-	-	1
Charleston (VT)	-	-	-	100	-	-	-	-	-	-	-
Newport (VT)	-	-	-	669	-	-	-	-	-	-	-
Newport Diesel (VT)	-	14	-	-	-	-	-	*	-	-	1
North Troy (VT)	-	-	-	-	-	-	-	-	-	-	-
Citizens Utilities Company	-	1	13	-	-	-	-	*	*	-	1
Valencia (AZ)	-	1	13	-	-	-	-	*	*	-	1
Clarksdale Water & Light Dept	-	-	11,193	-	-	-	-	-	124	-	15
South (MS)	-	-	11,193	-	-	-	-	-	124	-	13
Third St (MS)	-	-	-	-	-	-	-	-	-	-	1
Clay Center Mun Lt & Water											
Plant	-	54	2,721	-	-	-	-	*	41	-	3
Claycenter (KS)	-	54	2,721	-	-	-	-	*	41	-	3
Cleveland Elec Illum Co, The	1,262,870	4,513	-	-	46,987	-	501	8	-	636	139
Ashtabula (OH)	206,816	83	-	-	-	-	90	*	-	133	1
Avon Lake (OH)	405,339	248	-	-	-	-	168	1	-	163	16
Eastlake (OH)	558,991	1,222	-	-	-	-	208	3	-	241	14
Lake Shore (OH)	91,724	2,960	-	-	-	-	36	4	-	99	108
Perry (OH)	-	-	-	-	46,987	-	-	-	-	-	-
Cleveland Publ Utils Dept	-	-	153	-	-	-	-	-	3	-	3
Collinwood (OH)	-	-	-	-	-	-	-	-	-	-	1
Lake Road (OH)	-	-	-	-	-	-	-	-	-	-	-
West 41st Street (OH)	-	-	153	-	-	-	-	-	3	-	2
Clinton Village Of	-	-8	-	-	-	-	-	-	-	-	*
Clinton (MI)	-	-8	-	-	-	-	-	-	-	-	*
Cloverland Electric Coop	-	51	-	-	-	-	-	*	-	-	1
Daffer (MI)	-	26	-	-	-	-	-	*	-	-	*
Detour (MI)	-	25	-	-	-	-	-	*	-	-	*
Coffeyville Mun Lt Dept	-	-	724	-	-	-	-	-	11	-	-
Coffeyville (KS)	-	-	724	-	-	-	-	-	11	-	-
Coggan Municipal Light Plant	-	-	-	-	-	-	-	-	-	-	-
Coggan (IA)	-	-	-	-	-	-	-	-	-	-	-
Colby Mun Wtr & Lt Plant	-	-	-	-	-	-	-	-	-	-	2
Colby (KS)	-	-	-	-	-	-	-	-	-	-	2
Coldwater City Of (Bd Of Pub											
Utils)	-	19	-	-	-	-	-	*	-	-	3
Coldwater (MI)	-	19	-	-	-	-	-	*	-	-	3
Coleman City Of	-	93	1,004	-	-	-	-	*	17	-	1
Coleman (TX)	-	93	1,004	-	-	-	-	*	17	-	1
Colorado Springs, City Of	238,420	58	49	3,075	-	-	110	*	1	412	74

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Colorado Springs, City Of											
Drake, Martin (CO)	97,609	-	49	-	-	-	49	-	1	123	5
George Birdsal (CO)	-	-	-	-	-	-	-	-	-	-	65
Manitou (CO)	-	-	-	2,589	-	-	-	-	-	-	-
Ray D. Nixon (CO)	140,811	56	-	-	-	-	62	-	-	289	4
Ruxton (CO)	-	-	-	486	-	-	-	-	-	-	-
Colorado-Ute Elec Assn, Inc	920,412	6	2,307	2,157	-	-	464	*	24	1,494	6
Ames (CO)	-	-	-	644	-	-	-	-	-	-	-
Bullock (CO)	-	-	-	-	-	-	-	-	-	-	-
Craig (CO)	625,990	-	2,180	-	-	-	316	-	22	953	3
Hayden (CO)	281,216	6	127	-	-	-	140	*	1	498	3
Nucila (CO)	13,206	-	-	-	-	-	7	-	-	43	-
Ouray (CO)	-	-	-	-	-	-	-	-	-	-	-
Tacoma (CO)	-	-	-	1,513	-	-	-	-	-	-	-
Columbia Water & Light Dept	4,733	-	-	-	-	-	3	-	-	4	2
Columbia (MO)	4,733	-	-	-	-	-	3	-	-	4	2
Columbus & Southern Ohio Elec											
Co	745,219	1,650	-	-	-	-	327	2	-	792	11
Conesville (OH)	704,971	1,602	-	-	-	-	307	2	-	755	11
Picway (OH)	40,248	48	-	-	-	-	20	*	-	37	-
Columbus City Of	969	-	-	-	-	23,246	2	-	-	21	-
Columbus (OH)	-	-	-	-	-	-	-	-	-	-	-
Municipal Electric (OH)	969	-	-	-	-	23,246	2	-	-	21	-
Commonwealth Edison Co Of											
Indiana	73,034	-	4,371	-	-	-	43	-	48	251	-
State Line (IN)	73,034	-	4,371	-	-	-	43	-	48	251	-
Commonwealth Edison Company											
(CES)	1,368,031	55,952	30,803	704	6,044,843	-	835	217	386	4,246	1,192
Bloom (IL)	-	-	-	-	-	-	-	-	-	-	-
Braidwood (IL)	-	-	-	-	1,492,233	-	-	-	-	-	-
Byron (IL)	-	-	-	-	721,694	-	-	-	-	-	-
Calumet (IL)	-	83	-	-	-	-	-	*	-	-	15
Collins (IL)	-	43,553	-	-	-	-	-	189	-	-	1,078
Crawford (IL)	66,136	254	2,436	-	-	-	41	1	29	509	7
Dixon (IL)	-	-	-	704	-	-	-	-	-	-	-
Dresden (IL)	-	-	-	-	811,769	-	-	-	-	-	-
Electric Junction (IL)	-	-	1,007	-	-	-	-	-	23	-	15
Fisk Street (IL)	69,795	755	9,484	-	-	-	46	3	114	156	8
Joliet (IL)	41,505	31	2,366	-	-	-	25	*	33	252	7
Joliet 7 & 8 (IL)	102,561	-	13,009	-	-	-	66	-	158	961	9
Kincaid (IL)	371,876	-	498	-	-	-	205	-	6	290	-
Lasalle (IL)	-	-	-	-	1,218,343	-	-	-	-	-	-
Lombard (IL)	-	160	180	-	-	-	-	*	3	-	10
Powerton (IL)	348,942	-	913	-	-	-	237	-	12	1,163	-
Quad-cities (IL)	-	-	-	-	1,016,596	-	-	-	-	-	-
Sabrooke (IL)	-	310	-	-	-	-	-	1	-	-	20
Waukegan (IL)	185,545	1,676	910	-	-	-	104	3	9	314	20
Will County (IL)	181,671	9,130	-	-	-	-	112	18	-	600	4
Zion (IL)	-	-	-	-	784,208	-	-	-	-	-	-
Commonwealth Energy System											
(CES)	-	367,731	15,080	-	-	-	-	572	210	-	202
Blackstone Street (MA)	-	1	46	-	-	-	-	*	1	-	3
Canal (MA)	-	367,035	-	-	-	-	-	570	-	-	127
Cannon Street (MA)	-	163	5,442	-	-	-	-	1	77	-	23
Kendall Square (MA)	-	453	9,592	-	-	-	-	1	133	-	46
Oak Bluffs (MA)	-	45	-	-	-	-	-	*	-	-	1
West Tisbury (MA)	-	34	-	-	-	-	-	*	-	-	2
Connecticut Light & Power Co											
(NU)	-	263,493	41,144	11,150	-	38,743	-	469	473	-	2,167
Bantam (CT)	-	-	-	42	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Connecticut Light & Power Co											
(NU)											
Branford (CT)	-	97	-	-	-	-	-	-	-	-	1
Bulls Bridge (CT)	-	-	-	1,386	-	-	-	-	-	-	-
Cos Cob (CT)	-	-	-	-	-	-	-	-	-	-	7
Devon (CT)	-	78,646	-	-	-	-	-	142	-	-	383
Falls Village (CT)	-	-	-	1,609	-	-	-	-	-	-	-
Franklin (CT)	-	37	-	-	-	-	-	-	-	-	1
Middletown (CT)	-	49,342	-	-	-	-	-	98	-	-	890
Montville (CT)	-	31,936	41,144	-	-	-	-	60	473	-	415
Norwalk Harbor (CT)	-	102,779	-	-	-	-	-	167	-	-	411
Robertsville (CT)	-	-	-	8	-	-	-	-	-	-	-
Rocky River (CT)	-	-	-	97	-	-	-	-	-	-	-
Scotland (CT)	-	-	-	12	-	-	-	-	-	-	-
Shepaug (CT)	-	-	-	4,316	-	-	-	-	-	-	-
South Meadow (CT)	-	587	-	-	-	38,742	-	2	-	-	57
Stevenson (CT)	-	-	-	3,417	-	-	-	-	-	-	-
Taftville (CT)	-	-	-	123	-	-	-	-	-	-	-
Torrington (CT)	-	37	-	-	-	-	-	-	-	-	1
Tracy (CT)	-	-5	-	-	-	-	-	-	-	-	1
Tunnel (CT)	-	37	-	140	-	-	-	-	-	-	1
Connecticut Yankee Atomic Pwr											
Co	-	-	-	-	185,327	-	-	-	-	-	-
Haddam Neck (CT)	-	-	-	-	185,327	-	-	-	-	-	-
Consolidated Edison Co Of N Y,											
Inc	-	503,784	1,115,911	-	552,155	-	-	856	11,487	-	4,318
* Central Storage *	-	-	-	-	-	-	-	-	-	-	3,314
Arthur Kill (NY)	-	122,224	-	-	-	-	-	212	-	-	5
Astoria (NY)	-	110,601	420,591	-	-	-	-	190	4,431	-	302
Buchanan (NY)	-	11	-	-	-	-	-	-	-	-	4
East River (NY)	-	86,787	39,237	-	-	-	-	162	454	-	283
Gowanus (NY)	-	1,396	-	-	-	-	-	4	-	-	61
Hudson Avenue (NY)	-	19,566	-	-	-	-	-	27	-	-	158
Indian Point (NY)	-	70	-	-	552,155	-	-	-	-	-	1
Kent Avenue (NY)	-	-	-	-	-	-	-	-	-	-	-
Narrows (NY)	-	218	6,126	-	-	-	-	1	107	-	97
Ravenswood (NY)	-	151,133	593,870	-	-	-	-	239	5,898	-	61
Waterside (NY)	-	52	56,087	-	-	-	-	-	597	-	-
59Th Street (NY)	-	1,089	-	-	-	-	-	2	-	-	27
74Th Street (NY)	-	10,637	-	-	-	-	-	19	-	-	3
Consolidated Water Power											
Company	-	-	-	12,039	-	-	-	-	-	-	-
Biron (WI)	-	-	-	2,006	-	-	-	-	-	-	-
Du Bay (WI)	-	-	-	4,677	-	-	-	-	-	-	-
Stevens Point (WI)	-	-	-	2,776	-	-	-	-	-	-	-
Wisconsin Rapids (WI)	-	-	-	2,580	-	-	-	-	-	-	-
Wisconsin River DI (WI)	-	-	-	-	-	-	-	-	-	-	-
Consumers Power Company											
Alcona (MI)	1,886,261	80,378	1,546	-50,263	227,765	-	683	163	11	941	108
Allegan Dam (MI)	-	-	-	1,754	-	-	-	-	-	-	-
Big Rock Point (MI)	-	-	-	904	-	-	-	-	-	-	-
Campbell, J H (MI)	802,072	742	-	-	26,225	-	305	1	-	353	5
Cobb, B C (MI)	168,603	62	-	-	-	-	77	-	-	372	-
Cooke (MI)	-	-	-	1,751	-	-	-	-	-	-	-
Croton (MI)	-	-	-	3,034	-	-	-	-	-	-	-
Five Channels (MI)	-	-	-	1,632	-	-	-	-	-	-	-
Footle (MI)	-	-	-	2,138	-	-	-	-	-	-	-
Gaylord (MI)	-	-	1,300	-	-	-	-	-	1	-	-
Hardy (MI)	-	-	-	6,925	-	-	-	-	-	-	-
Hodenspyl (MI)	-	-	-	2,952	-	-	-	-	-	-	-
Karn, D E (MI)	321,559	79,537	-	-	-	-	125	162	-	75	99
Loud (MI)	-	-	-	1,285	-	-	-	-	-	-	-
Ludington (MI)	-	-	-	-81,192	-	-	-	-	-	-	-
Mio (MI)	-	-	-	994	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)	Coal (short tons)	Petroleum (bbls)
Consumers Power Company											
Morrow, B E (MI)	-	-	-229	-	-	-	-	-	1	-	-
Pallsades (MI)	-	-	-	-	201,540	-	-	-	-	-	-
Rogers (MI)	-	-	-	2,233	-	-	-	-	-	-	-
Stralts (MI)	-	-	208	-	-	-	-	-	2	-	-
Thetford (MI)	-	-	257	-	-	-	-	-	5	-	-
Tippy, C W (MI)	-	-	-	4,774	-	-	-	-	-	-	-
Weadock, J C (MI)	191,847	12	10	-	-	-	80	*	3	58	-
Webber (MI)	-	-	-	553	-	-	-	-	-	-	-
Whiting, J R (MI)	182,180	25	-	-	-	-	77	*	-	84	3
Cool Water C G Program	-	-	-	-	-	-	-	-	-	-	-
Cool Water IGCC (CA)	-	-	-	-	-	-	-	-	-	-	-
Coon Rapids Mun Utilities	-	34	-	-	-	-	-	*	-	-	1
Coon Rapids (IA)	-	34	-	-	-	-	-	*	-	-	1
Cooperative Power Association ..	671,066	1,259	-	-	-	-	598	3	-	992	25
Bonifacius (MN)	-	981	-	-	-	-	-	2	-	-	2
Coal Creek (ND)	671,066	278	-	-	-	-	598	1	-	992	22
Copper Valley Electric Assn, Inc ..	-	130	-	4,509	-	-	-	*	-	-	1
Glennallen (AK)	-	130	-	-	-	-	-	*	-	-	*
Valdez (AK)	-	-	-	4,509	-	-	-	-	-	-	-
Valdez (AK)	-	-	-	-	-	-	-	*	-	-	*
Cordova City Of	-	1,855	-	-	-	-	-	3	-	-	1
Cordova (AK)	-	1,860	-	-	-	-	-	3	-	-	*
Ocean Dock (AK)	-	-5	-	-	-	-	-	*	-	-	*
Corn Belt Power Coop	-91	-	-	-	-	-	-	-	-	32	-
Humboldt (IA)	-30	-	-	-	-	-	-	-	-	18	-
Wisdom, Earl F (IA)	-61	-	-	-	-	-	-	-	-	15	-
Corning Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Corning (IA)	-	-	-	-	-	-	-	-	-	-	-
Craig-Botetourt Electric Coop	-	-	-	27	-	-	-	-	-	-	-
New Castle (VA)	-	-	-	27	-	-	-	-	-	-	-
Crawfordsville Elec Lt & Pwr Util ..	4,079	-	-	-	-	-	3	-	-	2	-
Crawfordsville (IN)	4,079	-	-	-	-	-	3	-	-	2	-
Crete City Of	-	110	370	-	-	-	-	*	4	-	1
Crete (NE)	-	110	370	-	-	-	-	*	4	-	1
Crisp County Power Commission ..	-80	-	-4	1,533	-	-	*	-	1	3	-
Crisp (GA)	-80	-	-4	-	-	-	*	-	1	3	-
Warwick (GA)	-	-	-	1,533	-	-	-	-	-	-	-
Crystal Falls City Of (Lt & Wtr)	-	-	-	291	-	-	-	-	-	-	-
Crystal Falls (MI)	-	-	-	291	-	-	-	-	-	-	-
Culpeper Town Of	-	26	15	-	-	-	-	*	*	-	1
Culpeper (VA)	-	26	15	-	-	-	-	*	*	-	1
Cumberland Municipal Utility	-	77	-	-	-	-	-	*	*	-	1
Cumberland (WI)	-	77	-	-	-	-	-	*	*	-	1
Curtis City Of	-	-	-	-	-	-	-	-	-	-	-
Curtis (NE)	-	-	-	-	-	-	-	-	-	-	-
Cushing City Of	-	27	490	-	-	-	-	*	8	-	*
Cushing (OK)	-	27	490	-	-	-	-	*	8	-	*
Dada City Of	-	-	-	-	-	-	-	-	-	-	*
Floydada (TX)	-	-	-	-	-	-	-	-	-	-	*

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Dahlberg Ligh. & Power Co	-	-	-	168	-	-	-	-	-	-	•
Gordon (WI)	-	-	-	70	-	-	-	-	-	-	•
Nancy (WI)	-	-	-	98	-	-	-	-	-	-	•
Solon Diesel (WI)	-	-	-	-	-	-	-	-	-	-	•
Dairyland Power Cooperative	356,489	726	-	9,028	-	-	194	1	-	1,195	8
Alma (WI)	30,340	155	-	-	-	-	17	•	-	205	•
Flambeau (WI)	-	-	-	9,028	-	-	-	-	-	-	-
Genoa (WI)	141,433	429	-	-	-	-	69	1	-	864	5
J P Madgett (WI)	158,278	72	-	-	-	-	106	•	-	99	3
Stoneman (WI)	6,438	70	-	-	-	-	4	•	-	26	•
Danville Water, Gas & Elec Dep	-	-	-	1,483	-	-	-	-	-	-	-
Pinnacles (VA)	-	-	-	1,483	-	-	-	-	-	-	-
Dayton Light & Power	-	-	-	-	-	-	-	-	-	-	-
Dayton (IA)	-	-	-	-	-	-	-	-	-	-	-
Dayton Power & Light Company,											
The	1,607,598	1,311	3,836	-	-	-	678	2	46	1,553	32
Frank M Tait (OH)	-	68	-	-	-	-	-	•	-	-	2
Hutchings (OH)	54,662	-	2,544	-	-	-	26	-	27	27	1
Killen Station (OH)	116,451	259	-	-	-	-	47	•	-	356	19
Monument (OH)	-	87	-	-	-	-	-	•	-	-	1
Sidney (OH)	-	87	-	-	-	-	-	•	-	-	1
Stuart, J M (OH)	1,436,485	809	-	-	-	-	604	1	-	1,170	2
Yankee Street (OH)	-	1	1,292	-	-	-	-	•	19	-	7
Delano Municipal Power Plant	-	144	31	-	-	-	-	•	•	-	•
Delano (MN)	-	144	31	-	-	-	-	•	•	-	•
Delmarva Power & Light Co. Of											
Del	434,918	61,885	56,560	-	-	-	181	67	777	355	898
Bayview (VA)	-	514	-	-	-	-	-	1	-	-	1
Cape Charles (VA)	-	-	-	-	-	-	-	-	-	-	-
Christiana (DE)	-	572	-	-	-	-	-	2	-	-	16
Crisfield (MD)	-	266	-	-	-	-	-	•	-	-	2
Delaware City (DE)	-	31,658	12,200	-	-	-	-	6	290	-	42
Edge Moor (DE)	123,227	989	3,511	-	-	-	51	2	40	105	610
Hay Road (DE)	-	-	40,849	-	-	-	-	-	448	-	63
Indian River (DE)	311,691	2,010	-	-	-	-	129	4	-	250	10
Madison Street (DE)	-	6	-	-	-	-	-	•	-	-	2
Tasley (VA)	-	1,467	-	-	-	-	-	4	-	-	4
Vienna (MD)	-	24,291	-	-	-	-	-	48	-	-	155
West Substation (DE)	-	102	-	-	-	-	-	•	-	-	2
Delta City Of	-	1	9	-	-	-	-	•	•	-	•
Delta (CO)	-	1	9	-	-	-	-	•	•	-	•
Denison Municipal Utilities	-	-	-	-	-	-	-	-	-	-	•
Denison (IA)	-	-	-	-	-	-	-	-	-	-	•
Denton Municipal Utilities	-	-	9,019	-	-	-	-	-	122	-	37
Spencer (TX)	-	-	9,019	-	-	-	-	-	122	-	37
Denver City & County Of	-	-	-	3,619	-	-	-	-	-	-	-
Blue River (CO)	-	-	-	1,261	-	-	-	-	-	-	-
Foothills (CO)	-	-	-	819	-	-	-	-	-	-	-
Roberts Tunnel (CO)	-	-	-	-	-	-	-	-	-	-	-
Sirontia Sprgs (CO)	-	-	-	791	-	-	-	-	-	-	-
Williams Fork (CO)	-	-	-	748	-	-	-	-	-	-	-
Deseret Generating &											
Transmission	235,988	159	-	-	-	-	111	•	-	312	4
Bonanza (UT)	235,988	159	-	-	-	-	111	•	-	312	4
Deshler Municipal Utilities	-	-	-	-	-	-	-	-	-	-	•
Deshler (NE)	-	-	-	-	-	-	-	-	-	-	•

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Detroit City Of (Pub Lighting Dept)	-	8,161	20,040	-	-	-	-	19	227	-	159
Mistersky (MI)	-	8,161	20,040	-	-	-	-	19	227	-	159
Detroit Edison Company, The	3,145,023	19,271	21,177	-	677,044	-	1,498	40	1,896	5,563	645
Central Storage	-	-	-	-	-	-	-	-	-	1,530	-
Beacon Heating (MI)	-	-	2,482	-	-	-	-	-	11	-	7
Belle River (MI)	731,049	2,213	-	-	-	-	400	4	-	-	19
Collax (MI)	-	-9	-	-	-	-	-	-	-	-	1
Conners Creek (MI)	-	-12	-	-	-	-	-	-	-	-	-
Dayton (MI)	-	-8	-	-	-	-	-	-	-	-	-
Enrico Fermi (MI)	-	-16	-	-	677,044	-	-	-	-	-	5
Greenwood (MI)	-	10,858	-	-	-	-	-	24	-	-	463
Hancock (MI)	-	-	70	-	-	-	-	-	2	-	-
Harbor Beach (MI)	14,986	170	-	-	-	-	6	-	-	58	-
Marysville (MI)	-	-	-	-	-	-	-	-	-	-	-
Monroe (MI)	1,188,615	2,819	-	-	-	-	495	5	-	1,413	8
Northeast (MI)	-	2	-3	-	-	-	-	-	1	-	2
Oliver (MI)	-	-29	-	-	-	-	-	-	-	-	1
Placid (MI)	-	-29	-	-	-	-	-	-	-	-	1
Putnam (MI)	-	-23	-	-	-	-	-	-	-	-	1
River Rouge (MI)	257,370	-24	18,459	-	-	-	104	-	1,881	35	-
Slocum (MI)	-	-35	-	-	-	-	-	-	-	-	-
St. Clair (MI)	665,629	2,774	169	-	-	-	369	5	2	2,349	122
Superior (MI)	-	34	-	-	-	-	-	-	-	-	2
Trenton Channel (MI)	287,374	608	-	-	-	-	121	1	-	178	12
Wilmott (MI)	-	-22	-	-	-	-	-	-	-	-	-
Detroit Lakes City Of	-	-	-	-	-	-	-	-	-	-	-
Detroit Lakes (MN)	-	-	-	-	-	-	-	-	-	-	-
Don Jones	-	-	-	47	-	-	-	-	-	-	-
White River (SD)	-	-	-	47	-	-	-	-	-	-	-
Douglas County Pud No 1	-	-	-	258,420	-	-	-	-	-	-	-
Wells (WA)	-	-	-	258,420	-	-	-	-	-	-	-
Dover Elec Lt & Power Plant	6,266	2	-	-	-	-	4	-	-	-	-
Dover (OH)	6,266	2	-	-	-	-	4	-	-	-	-
Dover Electric Department	-	22,942	7,632	-	-	-	-	48	94	-	40
Mckee Run (DE)	-	22,942	7,632	-	-	-	-	46	94	-	40
Dowagiac Dept Of Public Service	-	131	174	-	-	-	-	-	2	-	1
Dowagiac (MI)	-	131	174	-	-	-	-	-	2	-	1
Duke Power Company	3,239,145	8,225	9,751	71,476	2,895,459	-	1,208	14	174	1,412	117
Allen (NC)	435,785	2,465	-	-	-	-	174	3	-	198	1
Belews Creek (NC)	1,178,300	1,767	-	-	-	-	421	2	-	659	5
Boyd's Mill (SC)	-	-	-	177	-	-	-	-	-	-	-
Bridgewater (NC)	-	-	-	3,469	-	-	-	-	-	-	-
Buck (NC)	-487	-	2,213	-	-	-	-	-	33	14	3
Buzzard Roost (SC)	-	3	4,021	1,848	-	-	-	-	70	-	41
Catawba (NC)	-	-	-	-	783,574	-	-	-	-	-	-
Cedar Creek (SC)	-	-	-	6,053	-	-	-	-	-	-	-
Cliffside (NC)	265,347	266	-	-	-	-	102	-	-	110	3
Cowans Ford (NC)	-	-	-	9,684	-	-	-	-	-	-	-
Dan River (NC)	102,416	1,083	-	-	-	-	44	4	-	29	15
Dearborn (SC)	-	-	-	6,937	-	-	-	-	-	-	-
Fishing Creek (SC)	-	-	-	6,815	-	-	-	-	-	-	-
Gaston Shoals (SC)	-	-	-	1,837	-	-	-	-	-	-	-
Great Falls (SC)	-	-	-	323	-	-	-	-	-	-	-
Holidays Bridge (SC)	-	-	-	600	-	-	-	-	-	-	-
Idols (NC)	-	-	-	330	-	-	-	-	-	-	-
Jocassee (SC)	-	-	-	-15,983	-	-	-	-	-	-	-
Keowee (SC)	-	-	-	8,368	-	-	-	-	-	-	-
Lee (SC)	124,512	201	1,582	-	-	-	53	1	35	55	12
Lookout Shoals (NC)	-	-	-	4,301	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Duke Power Company											
Marshall (NC)	1,039,802	2,303	-	-	-	-	375	3	-	318	7
Mc Guire (NC)	-	-	-	-	692,188	-	-	-	-	-	-
Mountain Island (NC)	-	-	-	6,536	-	-	-	-	-	-	-
Oconee (SC)	-	-	-	-	1,419,697	-	-	-	-	-	-
Oxford (NC)	-	-	-	4,731	-	-	-	-	-	-	-
Rhodhiss (NC)	-	-	-	3,412	-	-	-	-	-	-	-
Riverbend (NC)	93,470	137	1,803	-	-	-	10	-	33	29	26
Rocky Creek (SC)	-	-	-	2,890	-	-	-	-	-	-	-
Saluda (SC)	-	-	-	384	-	-	-	-	-	-	-
Spencer Mountain (NC)	-	-	-	178	-	-	-	-	-	-	-
Stice Shoals (NC)	-	-	-	123	-	-	-	-	-	-	-
Turner Shoals (NC)	-	-	-	641	-	-	-	-	-	-	-
Tuxedo (NC)	-	-	-	-4	-	-	-	-	-	-	-
Urquhart (SC)	-	-	132	-	-	-	-	-	3	-	5
Wateree (SC)	-	-	-	8,554	-	-	-	-	-	-	-
Wylie (SC)	-	-	-	5,762	-	-	-	-	-	-	-
99 Islands (SC)	-	-	-	3,510	-	-	-	-	-	-	-
Duquesne Light Company	407,412	498	1,324	-	581,230	-	172	3	12	454	98
Beaver Valley (PA)	-	-	-	-	581,230	-	-	-	-	-	-
Brunot Island (PA)	-	-516	-	-	-	-	-	1	-	-	93
Cheswick (PA)	263,565	-	1,324	-	-	-	106	-	12	279	-
Elrama (PA)	143,847	1,014	-	-	-	-	67	2	-	175	4
Phillips, F (PA)	-	-	-	-	-	-	-	-	-	-	-
Durant Municipal Electric Plant	-	39	-	-	-	-	-	-	-	-	-
Durant (IA)	-	39	-	-	-	-	-	-	-	-	-
East Bay Mun Utility District	-	-	-	3,538	-	-	-	-	-	-	-
Camanche (CA)	-	-	-	-19	-	-	-	-	-	-	-
Pardee (CA)	-	-	-	3,557	-	-	-	-	-	-	-
East Kentucky Power											
Cooperative	506,131	586	-	-	-	-	216	1	-	536	9
Cooper (KY)	135,181	123	-	-	-	-	58	-	-	156	-
Dale (KY)	43,814	195	-	-	-	-	24	-	-	37	-
Spurlock, H L (KY)	327,136	268	-	-	-	-	135	-	-	343	8
Eastern Maine Elec Coop, Inc	-	-1	-	-	-	-	-	-	-	-	-
Portable (ME)	-	-	-	-	-	-	-	-	-	-	-
River Street (ME)	-	-1	-	-	-	-	-	-	-	-	-
Easton Utilities Commission, The	-	2,763	1,272	-	-	-	-	4	14	-	22
Easton (MD)	-	748	1,228	-	-	-	-	1	13	-	18
Easton No. 2 (MD)	-	2,015	44	-	-	-	-	2	-	-	5
Edison Sault Electric Co	-	45	-	11,688	-	-	-	-	-	-	-
Edison Sault (MI)	-	-	-	11,688	-	-	-	-	-	-	-
Manistique (MI)	-	45	-	-	-	-	-	-	-	-	-
Saint Ignace (MI)	-	-	-	-	-	-	-	-	-	-	-
Egegik Light & Power Company ..	-	46	-	-	-	-	-	-	-	-	-
Egegik (AK)	-	46	-	-	-	-	-	-	-	-	-
El Paso Electric Company	-	-	197,229	-	-	-	-	-	2,112	-	193
* Central Storage	-	-	-	-	-	-	-	-	-	-	-
Copper (TX)	-	-	1,657	-	-	-	-	-	23	-	7
Newman (TX)	-	-	150,426	-	-	-	-	-	1,558	-	124
Rio Grande (NM)	-	-	45,146	-	-	-	-	-	530	-	63
Electra City Of	-	-	-	-	-	-	-	-	-	-	-
Electra (TX)	-	-	-	-	-	-	-	-	-	-	-
Electric Energy, Inc	501,753	378	-	-	-	-	245	1	-	431	1
Joppa Steam (IL)	561,753	376	-	-	-	-	245	1	-	431	1
Elk River Municipal Utilities	-	5	-	-	-	-	-	-	-	-	1
Elk River (MN)	-	5	-	-	-	-	-	-	-	-	1

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Ellinwood Lt & Water	-	5	72	-	-	-	-	*	7	-	-
Ellinwood (KS)	-	5	72	-	-	-	-	*	7	-	-
Elroy City Of	-	-1	-	-	-	-	-	*	-	-	*
Elroy (WI)	-	-1	-	-	-	-	-	*	-	-	*
Emerson Light & Power Plant	-	19	35	-	-	-	-	*	*	-	*
Emerson (NE)	-	19	35	-	-	-	-	*	*	-	*
Empire District Electric Co	139,381	976	6,963	7,519	-	-	82	3	126	132	44
Asbury (MO)	102,545	109	-	-	-	-	61	*	-	108	1
Energy Center (MO)	-	867	-	-	-	-	-	3	-	-	19
Ozark Beach (MO)	-	-	-	7,519	-	-	-	-	-	-	-
Riverton (KS)	36,836	-	6,963	-	-	-	21	-	126	24	24
Enosburg Falls Inc Village Of	-	-	-	220	-	-	-	-	-	-	*
Diesel Plt (VT)	-	-	-	-	-	-	-	-	-	-	*
Kendall (VT)	-	-	-	10	-	-	-	-	-	-	-
Village Plt (VT)	-	-	-	210	-	-	-	-	-	-	-
Ephraim City Corporation	-	-	-	107	-	-	-	-	-	-	-
No. 1 (UT)	-	-	-	-	-	-	-	-	-	-	-
No. 3 (UT)	-	-	-	89	-	-	-	-	-	-	-
No. 4 (UT)	-	-	-	18	-	-	-	-	-	-	-
Erda - Los Alamos Area Off	-	-	-	-	-	-	-	-	-	-	-
Ta-3 (NM)	-	-	-	-	-	-	-	-	-	-	-
Erie Water & Light	-	-	-	-	-	-	-	-	-	-	-
Erie (KS)	-	-	-	-	-	-	-	-	-	-	-
Escondido Mutual Wtr Co	-	-	-	491	-	-	-	-	-	-	-
Bear Valley (CA)	-	-	-	439	-	-	-	-	-	-	-
Rincon Pwr (CA)	-	-	-	52	-	-	-	-	-	-	-
Estherville City Of	-	13	52	-	-	-	-	*	1	-	2
Estherville (IA)	-	13	52	-	-	-	-	*	1	-	2
Eugene City Of	-	-	-	24,942	-	-	-	-	-	-	-
Carmen (C)	-	-	-	12,074	-	-	-	-	-	-	-
Leaburg (C R)	-	-	-	7,960	-	-	-	-	-	-	-
Walterville (OR)	-	-	-	4,908	-	-	-	-	-	-	-
Willamette (OR)	-	-	-	-	-	-	-	-	-	-	-
Fairbanks Mun Utilities System	11,062	23	-	-	-	-	11	*	-	1	2
Chena (AK)	11,062	23	-	-	-	-	11	*	-	1	2
Fairbury Light & Water Dept	-	-	501	-	-	-	-	-	8	-	*
Fairbury (NE)	-	-	501	-	-	-	-	-	8	-	*
Fairfax Mur. Pwr Plant	-	-	-	-	-	-	-	-	-	-	-
Fairfax (MN)	-	-	-	-	-	-	-	-	-	-	-
Fairfield Municipal Light Plant	-	-	-	-	-	-	-	-	-	-	-
Fairfield (IL)	-	-	-	-	-	-	-	-	-	-	-
Fairmont Pub Util Comm	-	50	211	-	-	-	-	*	2	2	1
Fairmont (MN)	-	50	211	-	-	-	-	*	2	2	1
Fairview Light & Water Dept	-	-	-	-	-	-	-	-	-	-	-
Fairview (OK)	-	-	-	-	-	-	-	-	-	-	-
Fall River Rural Elec Coop	-	-	-	-	-	-	-	-	-	-	-
New Felt (ID)	-	-	-	-	-	-	-	-	-	-	-
Falls City Water & Light Dept	-	2	102	-	-	-	-	*	1	-	*
Falls City (NE)	-	2	102	-	-	-	-	*	1	-	*

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Farmer City City Of	-	4	3	-	-	-	-	*	*	-	*
Farmer City (IL)	-	4	3	-	-	-	-	*	*	-	*
Farmington City Of	-	-	5,293	9,053	-	-	-	-	63	-	-
Animas (NM)	-	-	5,293	51	-	-	-	-	63	-	-
Navajo (NM)	-	-	-	9,002	-	-	-	-	-	-	-
Farmington River Pwr Co	-	-	-	1,328	-	-	-	-	-	-	-
Rainbow (CT)	-	-	-	1,328	-	-	-	-	-	-	-
Fayette Water & Light Plant	-	112	-	-	-	-	-	*	-	-	*
Fayette (MO)	-	112	-	-	-	-	-	*	-	-	*
Fayetteville, Pub Works Comm Of	-	4	18,413	-	-	-	-	*	233	-	93
Pod #2 (NC)	-	4	18,413	-	-	-	-	*	233	-	93
Felt River Rural Elec Coop	-	2	40	-	-	-	-	*	3	-	*
Tipton (IA)	-	2	40	-	-	-	-	*	3	-	*
Fennimore Municipal Utilities	-	31	-	-	-	-	-	*	-	-	*
Fennimore (WI)	-	31	-	-	-	-	-	*	-	-	*
Fishers Is Elec Corp (the)	-	-	-	-	-	-	-	-	-	-	-
Fishers Isl (NY)	-	-	-	-	-	-	-	-	-	-	-
Fitchburg Gas & Elec Light Co	-	37	4,132	-	-	-	-	*	65	-	3
Fitchburg (MA)	-	37	4,132	-	-	-	-	*	65	-	3
Florida Keys Elec Coop Assn Inc	-	545	-	-	-	-	-	1	-	-	7
Marathon (FL)	-	545	-	-	-	-	-	1	-	-	7
Florida Power & Light Company .	-	1,755,514	1,144,140	-	2,054,075	-	-	2,801	12,200	-	4,343
Cape Canaveral (FL)	-	134,431	30,049	-	-	-	-	211	316	-	245
Cutler (FL)	-	-	12,692	-	-	-	-	-	181	-	-
Fort Meyers (FL)	-	232,249	-	-	-	-	-	363	-	-	425
Lauderdale (FL)	-	578	65,131	-	-	-	-	2	818	-	105
Manatee (FL)	-	565,484	-	-	-	-	-	912	-	-	1,069
Martin (FL)	-	222,658	159,140	-	-	-	-	367	1,745	-	785
Port Everglades (FL)	-	318,219	219,602	-	-	-	-	491	2,344	-	349
Putnam (FL)	-	402	215,361	-	-	-	-	1	2,113	-	37
Riviera (FL)	-	75,899	170,843	-	-	-	-	122	1,833	-	357
Sanford (FL)	-	95,968	37,417	-	-	-	-	160	408	-	531
St. Lucie (FL)	-	-	-	-	1,090,572	-	-	-	-	-	-
Turkey Point (FL)	-	109,626	233,905	-	963,503	-	-	172	2,444	-	439
Florida Power Corporation	1,268,931	644,663	15,057	-	563,367	-	483	1,094	192	879	1,686
* Central Storage *	-	-	-	-	-	-	-	-	-	-	493
Anclote (FL)	-	350,134	-	-	-	-	-	563	-	-	443
Avon Park (FL)	-	-	-	-	-	-	-	-	-	-	-
Bartow, P L (FL)	-	190,641	-	-	-	-	-	318	-	-	204
Bayboro (FL)	-	13,805	-	-	-	-	-	33	-	-	30
Crystal River (FL)	1,268,931	3,710	-	-	563,367	-	483	5	-	879	15
Debary (FL)	-	5,542	-	-	-	-	-	14	-	-	61
Higgins (FL)	-	26,180	-	-	-	-	-	51	-	-	55
Intercession City (FL)	-	3,935	-	-	-	-	-	9	-	-	152
Port St. Joe (FL)	-	-	-	-	-	-	-	-	-	-	-
Rio Pinar (FL)	-	-	-	-	-	-	-	-	-	-	-
Suwannee River (FL)	-	15,639	15,057	-	-	-	-	37	192	-	123
Turner, G E (FL)	-	35,077	-	-	-	-	-	64	-	-	110
Florida Public Utilities Co	-	-	-	-	-	-	-	-	-	-	-
Blue Springs (FL)	-	-	-	-	-	-	-	-	-	-	-
Forest City Municipal Utilities	-	167	-	-	-	-	-	*	-	-	5
Forest City (IA)	-	167	-	-	-	-	-	*	-	-	5
Fort Bend Utilities Company Inc .	-	-	-	-	-	-	-	-	-	-	-
Fort Bend (TX)	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Fort Pierce Utilities Authority	-	88	10,230	-	-	-	-	*	192	-	31
King (FL)	-	88	10,230	-	-	-	-	*	192	-	31
Fort Wayne Mun Elec Lt & Pwr Works	-	-	-	-	-	-	-	-	-	-	-
Saint Joe Dam (IN)	-	-	-	-	-	-	-	-	-	-	-
Franklin Mun Lt & Wtr Plant	-	-	5	-	-	-	-	*	*	-	*
Franklin (NE)	-	-	5	-	-	-	-	*	*	-	*
Fredonia Lt & Pwr	-	-	-	-	-	-	-	-	-	-	-
Fredonia (KS)	-	-	-	-	-	-	-	-	-	-	-
Freeburg Mun Light Plant	-	1	-	-	-	-	-	*	*	-	*
Freeburg (IL)	-	1	-	-	-	-	-	*	*	-	*
Freeport Electric Power System ..	-	361	-	-	-	-	-	2	-	-	17
Plant No 1 (NY)	-	49	-	-	-	-	-	*	-	-	1
Plant No 2 (NY)	-	312	-	-	-	-	-	1	-	-	16
Fremont Dept Of Utilities	23,568	-	704	-	-	-	16	-	9	27	2
Fremont No 2 (NE)	23,568	-	704	-	-	-	16	-	9	27	2
Fulton City Of	-	16	126	-	-	-	-	*	2	-	2
Fulton (MO)	-	19	126	-	-	-	-	*	2	-	2
Gainesville-Alachua County	135,602	5,662	44,246	-	-	-	55	10	549	116	71
Deerhaven (FL)	135,602	4,838	34,591	-	-	-	55	8	421	113	40
Kelly, J R (FL)	-	824	9,655	-	-	-	-	1	128	-	31
Gallatin Light & Water Works	-	-	-	-	-	-	-	-	-	-	-
Gallatin (MO)	-	-	-	-	-	-	-	-	-	-	-
Garkane Power Assn, Inc	-	-	-	1,218	-	-	-	-	-	-	-
Boulder (UT)	-	-	-	1,218	-	-	-	-	-	-	-
Garland City Of	-	-	81,551	-	-	-	-	-	903	-	185
Newman, C E (TX)	-	-	548	-	-	-	-	-	11	-	20
Olinger, Ray (TX)	-	-	81,003	-	-	-	-	-	892	-	164
Garnett City Of	-	5	49	-	-	-	-	*	5	-	1
Garnett (KS)	-	5	49	-	-	-	-	*	5	-	1
Geneseo Municipal Utilities	-	20	65	-	-	-	-	*	1	-	*
Geneseo (IL)	-	20	65	-	-	-	-	*	1	-	*
Georgia Power Co (SC)	6,408,262	18,997	16,002	61,307	2,013,974	-	2,691	43	249	5,025	441
Arkwright (GA)	72,543	-	191	-	-	-	37	-	4	86	4
Atkinson (GA)	-	38	12,684	-	-	-	-	*	210	-	116
Barnett Shoals (GA)	-	-	-	514	-	-	-	-	-	-	-
Bartlett Ferry (GA)	-	-	-	21,244	-	-	-	-	-	-	-
Bowen (GA)	1,771,463	1,633	-	-	-	-	695	2	-	1,672	11
Burton (GA)	-	-	-	772	-	-	-	-	-	-	-
Estattoah (GA)	-	-	-	90	-	-	-	-	-	-	-
Flint River (GA)	-	-	-	728	-	-	-	-	-	-	-
Goat Rock (GA)	-	-	-	8,703	-	-	-	-	-	-	-
Hammond (GA)	450,159	567	-	-	-	-	183	1	-	294	3
Harlee Branch (GA)	897,876	366	-	-	-	-	346	*	-	82	4
Hatch, Edwin I. (GA)	-	-	-	-	1,067,365	-	-	-	-	-	-
Langdale (GA)	-	-	-	237	-	-	-	-	-	-	-
Lloyd Shoals (GA)	-	-	-	4,931	-	-	-	-	-	-	-
McDonough, J (GA)	322,505	199	3,127	-	-	-	130	*	35	210	-
Mcmanus (GA)	-	9,629	-	-	-	-	-	24	-	-	140
Mitchell, W (GA)	75,327	1,205	-	-	-	-	32	3	-	59	31
Morgan Falls (GA)	-	-	-	5,073	-	-	-	-	-	-	-
Nacoochee (GA)	-	-	-	478	-	-	-	-	-	-	-
North Highlands (GA)	-	-	-	5,566	-	-	-	-	-	-	-
Oliver Dam (GA)	-	-	-	8,178	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Georgia Power Co (SC)											
Riverview (GA)	-	-	-	121	-	-	-	-	-	-	-
Scherer (GA)	1,251,009	1,403	-	-	-	-	591	2	-	874	13
Sinclair Dam (GA)	-	-	-	2,480	-	-	-	-	-	-	-
Tallulah Falls (GA)	-	-	-	5,344	-	-	-	-	-	-	-
Terrora (GA)	-	-	-	1,829	-	-	-	-	-	-	-
Tugalo (GA)	-	-	-	3,741	-	-	-	-	-	-	-
Vogtle (GA)	-	-	-	-	946,809	-	-	-	-	-	-
Wallace Dam (GA)	-	-	-	-10,750	-	-	-	-	-	-	-
Wansley (GA)	970,214	934	-	-	-	-	417	2	-	585	28
Wilson (GA)	-	2,188	-	-	-	-	-	6	-	-	90
Yates (GA)	597,166	835	-	-	-	-	260	1	-	417	1
Yonah (GA)	-	-	-	2,028	-	-	-	-	-	-	-
Gilman Brothers Co	-	-	-	-	-	-	-	-	-	-	-
Gilman (CT)	-	-	-	-	-	-	-	-	-	-	-
Girard City Of	-	-	-	-	-	-	-	-	-	-	-
Girard (KS)	-	-	-	-	-	-	-	-	-	-	-
Glencoe Mun Electric Plant	-	309	391	-	-	-	-	1	4	-	1
Glencoe (MN)	-	309	391	-	-	-	-	1	4	-	1
Glendale Public Service Dept	-	10	22,542	-	-	-	-	*	284	-	71
Grayson (CA)	-	10	22,542	-	-	-	-	*	284	-	71
SCAMPP (CA)	-	-	-	-	-	-	-	-	-	-	-
Golden Valley Elec Assn, Inc	16,136	259	-	-	-	-	14	1	-	-	39
Fairbanks (AK)	-	354	-	-	-	-	-	1	-	-	4
Healy (AK)	16,136	9	-	-	-	-	14	*	-	-	*
North Pole (AK)	-	-104	-	-	-	-	-	*	-	-	35
Goodland Municipal Electric Dep	-	39	602	-	-	-	-	*	12	-	5
Goodland (KS)	-	39	602	-	-	-	-	*	12	-	5
Gouverneur Elec Plt	-	-	-	18	-	-	-	-	-	-	-
Gouverneur (NY)	-	-	-	18	-	-	-	-	-	-	-
Gowrie Light & Water Plant	-	37	-	-	-	-	-	*	-	-	*
Gowrie (IA)	-	37	-	-	-	-	-	*	-	-	*
Graettinger Mun Light Plant	-	-	-	-	-	-	-	-	-	-	-
Graettinger (IA)	-	-	-	-	-	-	-	-	-	-	-
Grafton Light & Water Dept	-	-	-	-	-	-	-	-	-	-	-
Grafton (ND)	-	-	-	-	-	-	-	-	-	-	-
Grand Haven Board Of Lt & Pwr	33,061	19	15	-	-	-	16	*	1	75	10
Harbor Avenue (MI)	-	19	15	-	-	-	-	*	1	-	10
J B Simms (MI)	33,061	-	-	-	-	-	16	-	-	75	-
Grand Island Water & Light Dept	41,742	-	-	-	-	-	29	-	-	49	57
Burdick, C W (NE)	-	-	-	-	-	-	-	-	-	-	57
Platte (NE)	41,742	-	-	-	-	-	29	-	-	49	-
Grand Junction Mun Lt Plant	-	1	-	-	-	-	-	*	-	-	*
Grand Junction (IA)	-	1	-	-	-	-	-	*	-	-	*
Grand Marais, Village Of	-	-1	-	-	-	-	-	-	-	-	*
Grand Marais (MN)	-	-1	-	-	-	-	-	-	-	-	*
Grand River Dam Authority	547,008	-	1,134	3,265	-	-	335	-	14	634	4
GRDA No 1 (OK)	547,008	-	1,134	-	-	-	335	-	14	634	4
Markham (OK)	-	-	-	3,606	-	-	-	-	-	-	-
Pensacola (OK)	-	-	-	8,859	-	-	-	-	-	-	-
Salina (OK)	-	-	-	-9,200	-	-	-	-	-	-	-
Granite Falls City Of	-	-	-	242	-	-	-	-	-	-	-
Granite Falls (MN)	-	-	-	242	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Grant County P U D No 2	-	-	-	612,987	-	-	-	-	-	-	-
Pec Hdws (WA)	-	-	-	2,018	-	-	-	-	-	-	-
Priest Rapids (WA)	-	-	-	303,364	-	-	-	-	-	-	-
Quincy Chut (WA)	-	-	-	3,454	-	-	-	-	-	-	-
Wanapum (WA)	-	-	-	304,151	-	-	-	-	-	-	-
Green Mountain Power Corporation	-	73	-	6,623	-	-	-	*	-	-	17
Berlin (VT)	-	57	-	-	-	-	-	*	-	-	14
Bolton Falls (VT)	-	-	-	1,452	-	-	-	-	-	-	-
Colchester (VT)	-	-	-	-	-	-	-	-	-	-	2
Essex Junction 19 (VT)	-	-	-	1,977	-	-	-	-	-	-	-
Gorge 18 (VT)	-	-	-	455	-	-	-	-	-	-	-
Marshfield 11 (VT)	-	-	-	361	-	-	-	-	-	-	-
Middlesex 2 (VT)	-	-	-	824	-	-	-	-	-	-	-
Vergennes 9 (VT)	-	16	-	572	-	-	-	*	-	-	1
Waterbury 22 (VT)	-	-	-	793	-	-	-	-	-	-	-
West Danville 15 (VT)	-	-	-	189	-	-	-	-	-	-	-
Greenfield Municipal Utilities	-	99	-	-	-	-	-	*	-	-	*
Greenfield (IA)	-	99	-	-	-	-	-	*	-	-	*
Greenport Village Of	-	-23	-	-	-	-	-	-	-	-	*
Greenport (NY)	-	-23	-	-	-	-	-	-	-	-	*
Greensburg Mun Lt & Pwr	-	81	979	-	-	-	-	*	13	-	1
Greensburg (KS)	-	81	979	-	-	-	-	*	13	-	1
Greenville Electric Dept	-	-	11,619	-	-	-	-	-	146	-	22
Steam (TX)	-	-	-7	-	-	-	-	-	-	-	3
Steam (TX)	-	-	11,626	-	-	-	-	-	146	-	20
Greenwood Utilities Commission	209	-	2,777	-	-	-	*	-	51	10	7
Henderson (MS)	209	-	2,596	-	-	-	*	-	46	9	5
Wright (MS)	-	-	181	-	-	-	-	-	5	1	2
Gresham Mun Light Plant	-	-	-	274	-	-	-	-	-	-	-
Gresham (WI)	-	-	-	-	-	-	-	-	-	-	-
Lower Weed (WI)	-	-	-	125	-	-	-	-	-	-	-
Upper Weed (WI)	-	-	-	149	-	-	-	-	-	-	-
Grundy Center Mun Lt & Pwr	-	51	-	-	-	-	-	*	-	-	*
Grundy Center (IA)	-	51	-	-	-	-	-	*	-	-	*
Guadalupe-Blanco River Auth	-	-	-	5,038	-	-	-	-	-	-	-
Abbott Tp 3 (TX)	-	-	-	704	-	-	-	-	-	-	-
Canyon (TX)	-	-	-	1,777	-	-	-	-	-	-	-
Dunlap Tp 1 (TX)	-	-	-	-	-	-	-	-	-	-	-
H-4 (TX)	-	-	-	673	-	-	-	-	-	-	-
H-5 (TX)	-	-	-	677	-	-	-	-	-	-	-
Nolte (TX)	-	-	-	566	-	-	-	-	-	-	-
Nolte (TX)	-	-	-	641	-	-	-	-	-	-	-
Gulf Power Co (SC)	595,928	1,004	24,157	-	-	-	269	2	226	946	11
Crist (FL)	360,783	538	24,157	-	-	-	166	1	226	729	3
Scholz (FL)	53,275	20	-	-	-	-	26	*	-	25	*
Smith (FL)	181,870	446	-	-	-	-	78	1	-	193	8
Gulf States Utilities Company	301,562	385	2,155,290	4,416	374,126	-	187	1	21,576	457	441
Lewis Creek (TX)	-	-	273,955	-	-	-	-	-	2,783	-	34
Louisiana 1 (LA)	-	-	118,767	-	-	-	-	-	1,003	-	-
Louisiana 2 (LA)	-	-	-	-	-	-	-	-	-	-	-
Neches (TX)	-	-	-	-	-	-	-	-	-	-	-
Nelson, R S (LA)	301,562	380	395,614	-	-	-	187	1	4,027	457	100
River Bend (LA)	-	-	-	-	374,126	-	-	-	-	-	-
Sabine (TX)	-	5	800,502	-	-	-	-	*	7,790	-	104
Toledo Bend (TX)	-	-	-	4,416	-	-	-	-	-	-	-
Willow Glen (LA)	-	-	566,452	-	-	-	-	-	5,972	-	204

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Gwitchyaa Zhee Utility Company	-	23	-	-	-	-	-	*	-	-	*
Gwitchyaa Zhee (AK)	-	23	-	-	-	-	-	*	-	-	*
GPU Nuclear Corporation	-	-	-	-	946,227	-	-	-	-	-	-
Oyster Creek (NJ)	-	-	-	-	418,824	-	-	-	-	-	-
Three Mile Island (PA)	-	-	-	-	527,403	-	-	-	-	-	-
Hagerstown Mun Elec Lt Plant	-	-	-	-	-	-	-	-	-	-	-
Hagerstown (MD)	-	-	-	-	-	-	-	-	-	-	-
Haines Light And Power	-	722	-	-	-	-	-	1	-	-	-
Company	-	722	-	-	-	-	-	1	-	-	-
Haines (AK)	-	722	-	-	-	-	-	1	-	-	-
Halstad Municipal Utilities	-	2	-	-	-	-	-	*	-	-	*
Halstad (MN)	-	2	-	-	-	-	-	*	-	-	*
Hamilton City Of	9,140	30	18,787	24,739	-	-	5	*	247	29	3
Hamilton (OH)	9,140	30	18,787	-	-	-	5	*	247	29	3
Hamilton Hydro (OH)	-	-	-	-	-	-	-	-	-	-	-
Vanceburg Hydro (KY)	-	-	-	24,739	-	-	-	-	-	-	-
Hardwick Electric Department	-	1	-	243	-	-	-	*	-	-	*
Hardwick (VT)	-	1	-	-	-	-	-	*	-	-	*
Wolcott (VT)	-	-	-	243	-	-	-	-	-	-	-
Hart Hydro Electric Dept	-	-	-	74	-	-	-	-	-	-	*
Hart (MI)	-	-	-	-	-	-	-	-	-	-	*
Hart Hydro (MI)	-	-	-	74	-	-	-	-	-	-	-
Hartley City Of	-	-	-	-	-	-	-	-	-	-	-
Hartley (IA)	-	-	-	-	-	-	-	-	-	-	-
Hastings Utilities	18,237	55	838	-	-	-	12	*	14	67	7
Don Henry (NE)	-	39	-	-	-	-	-	*	-	-	1
Hastings (NE)	18,237	16	-	-	-	-	12	*	-	67	1
North Denver (NE)	-	-	838	-	-	-	-	-	14	-	4
Hawaii Electric Light Co, Inc	-	47,545	-	2,160	-	-	-	107	-	-	61
Kanoelehua (HI)	-	787	-	-	-	-	-	2	-	-	4
Keahole (HI)	-	6,960	-	-	-	-	-	15	-	-	8
Poholiki (HI)	-	-	-	-	-	-	-	-	-	-	-
Puna (HI)	-	9,237	-	-	-	-	-	24	-	-	11
Puueo (HI)	-	-	-	1,571	-	-	-	-	-	-	-
Shipman (HI)	-	6,650	-	-	-	-	-	18	-	-	5
W. H. Hill (HI)	-	22,543	-	-	-	-	-	46	-	-	32
Waiau (HI)	-	-	-	589	-	-	-	-	-	-	-
Waimea (HI)	-	1,368	-	-	-	-	-	3	-	-	2
Hawaiian Electric Company, Inc ..	-	549,728	-	-	-	-	-	904	-	-	742
* Central Storage *	-	-	-	-	-	-	-	-	-	-	244
Honolulu (HI)	-	41,924	-	-	-	-	-	81	-	-	39
Kahe (HI)	-	368,921	-	-	-	-	-	585	-	-	277
Waiau (HI)	-	138,883	-	-	-	-	-	238	-	-	182
Hawarden City Of	-	-	-	-	-	-	-	-	-	-	-
Hawarden (IA)	-	-	-	-	-	-	-	-	-	-	-
Haxton City Of	-	-	-	-	-	-	-	-	-	-	-
Haxton (CO)	-	-	-	-	-	-	-	-	-	-	-
Heber Light & Power Plant	-	-	6	449	-	-	-	-	*	-	-
Gas Generation (UT)	-	-	6	-	-	-	-	-	*	-	-
Lake Creek (UT)	-	-	-	79	-	-	-	-	-	-	-
Snake Creek (UT)	-	-	-	370	-	-	-	-	-	-	-
Henderson Mun Pwr & Lt	1,934	-	-	-	-	-	1	-	-	4	*
Henderson (KY)	1,934	-	-	-	-	-	1	-	-	4	*

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Herndon City Of	-	-	-	-	-	-	-	-	-	-	-
City Lght Plant (KS)	-	-	-	-	-	-	-	-	-	-	-
Herrington City Of	-	114	769	-	-	-	-	*	7	-	*
Herrington (KS)	-	114	769	-	-	-	-	*	7	-	*
Hetchy Hetchy Water & Power	-	-	-	129,482	-	-	-	-	-	-	-
Holm, Dion R (CA)	-	-	-	40,178	-	-	-	-	-	-	-
Kirkwood, Robert C (CA)	-	-	-	45,429	-	-	-	-	-	-	-
Moccasin (CA)	-	-	-	42,756	-	-	-	-	-	-	-
Moccasin Low (CA)	-	-	-	1,119	-	-	-	-	-	-	-
Hibbing Public Utilities Comm	776	-	-	-	-	-	4	-	-	4	-
Hibbing (MN)	776	-	-	-	-	-	4	-	-	4	-
Higginsville City Of	-	-	-	-	-	-	-	-	-	-	-
Higginsville (MO)	-	-	-	-	-	-	-	-	-	-	-
Highland City Of	-	30	293	-	-	-	-	*	3	-	1
Highland (IL)	-	30	293	-	-	-	-	*	3	-	1
Hill City City Of	-	-	-	-	-	-	-	-	-	-	*
Hill City (KS)	-	-	-	-	-	-	-	-	-	-	*
Hillsdale Board Of Public Works	-	9	487	-	-	-	-	*	5	-	1
Hillsdale (MI)	-	9	487	-	-	-	-	*	5	-	1
Hoisington City Of	-	7	61	-	-	-	-	*	5	-	*
Hoisington (KS)	-	7	61	-	-	-	-	*	5	-	*
Holdrege City Of	-	13	-	-	-	-	-	*	-	-	*
Holdrege (NE)	-	13	-	-	-	-	-	*	-	-	*
Holland Board Of Public Works	16,204	71	13,298	-	-	-	9	*	145	118	2
James De Young (MI)	16,204	39	13,298	-	-	-	9	*	145	118	1
6Th Street (MI)	-	32	-	-	-	-	-	*	-	-	1
Holly Town Of	-	-	-	-	-	-	-	-	-	-	-
Holly (CO)	-	-	-	-	-	-	-	-	-	-	-
Holton City Of	-	70	826	-	-	-	-	*	12	-	*
Holton (KS)	-	70	826	-	-	-	-	*	12	-	*
Holyoke Gas & Elec Dept	-	-9	-76	-2	-	-	-	*	4	-	21
Cabot-Holyoke (MA)	-	-9	-76	-2	-	-	-	*	4	-	21
Holyoke Mun Pwr & Lt Plt	-	-	-	-	-	-	-	-	-	-	-
Holyoke (CO)	-	-	-	-	-	-	-	-	-	-	-
Holyoke Water Power Co (NU)	93,132	39	-	11,766	-	-	34	*	-	62	*
Boatlock (MA)	-	-	-	224	-	-	-	-	-	-	-
Chemical (MA)	-	-	-	-2	-	-	-	-	-	-	-
Hadley Falls (MA)	-	-	-	10,820	-	-	-	-	-	-	-
Holbrook, Beebe (MA)	-	-	-	4	-	-	-	-	-	-	-
Mt Tom (MA)	93,132	39	-	-	-	-	34	*	-	62	*
Riverside (MA)	-	-	-	719	-	-	-	-	-	-	-
Skinner (MA)	-	-	-	1	-	-	-	-	-	-	-
Homer Electric Assn, Inc	-	-	-	-	-	-	-	-	-	-	*
Seldovia (AK)	-	-	-	-	-	-	-	-	-	-	*
Homestead City Of	-	838	10,193	-	-	-	-	2	115	-	9
G W Ivey (FL)	-	838	10,193	-	-	-	-	2	115	-	9
Hoosier Energy, Ind Statewide	-	-	-	-	-	-	-	-	-	-	-
Rec	481,667	599	-	-	-	-	231	1	-	571	8
Merom (IN)	347,311	575	-	-	-	-	171	1	-	491	8
Ratts (IN)	134,356	24	-	-	-	-	60	*	-	80	*

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Hopkinton Municipal Utility	-	14	-	-	-	-	-	*	-	-	*
Hopkinton (IA)	-	14	-	-	-	-	-	*	-	-	*
Houma Light & Water Plant	-	-20	12,235	-	-	-	-	*	147	-	6
Houma (LA)	-	-20	12,235	-	-	-	-	*	147	-	6
Houston Lighting & Power Co	1,894,194	11,696	2,459,367	-	1,437,134	-	1,312	23	25,737	-	662
* Central Storage *	-	-	-	-	-	-	-	-	-	-	26
Bertron, Sam (TX)	-	1,619	98,422	-	-	-	-	3	1,172	-	191
Cedar Bayou (TX)	-	4,112	795,127	-	-	-	-	7	8,142	-	310
Clarke, Hiram (TX)	-	-	484	-	-	-	-	-	10	-	-
Deepwater (TX)	-	-	31,546	-	-	-	-	-	345	-	-
Greens Bayou (TX)	-	4,126	188,321	-	-	-	-	9	1,921	-	95
Limestone (TX)	653,844	1,173	18,580	-	-	-	534	2	192	-	34
Parish, W A (TX)	1,240,350	-	425,829	-	-	-	778	-	4,207	-	42
Robinson, P H (TX)	-	-	625,667	-	-	-	-	-	6,848	-	120
South Texas (TX)	-	-	-	-	1,437,134	-	-	-	-	-	-
Webster (TX)	-	-	112,057	-	-	-	-	-	1,205	-	-
Wharton, T H (TX)	-	666	163,334	-	-	-	-	2	1,696	-	45
Hudson Light & Power Dept	-	239	2,113	-	-	-	-	*	22	-	17
Cherry Street (MA)	-	239	2,113	-	-	-	-	*	22	-	17
Hughes Power & Light Company	-	11	-	-	-	-	-	*	-	-	*
Hughes (AK)	-	11	-	-	-	-	-	*	-	-	*
Hugoton City Of	-	238	2,169	-	-	-	-	*	23	-	1
Hugoton (KS)	-	24	256	-	-	-	-	*	3	-	1
Hugoton #2 (KS)	-	214	1,913	-	-	-	-	*	20	-	1
Hutchinson Utilities Comm	-	38	1,189	-	-	-	-	*	13	-	4
Plant No. 1 (MN)	-	35	1,189	-	-	-	-	*	13	-	1
Plant No. 2 (MN)	-	3	-	-	-	-	-	*	-	-	3
Hydro Dev Group Inc	-	-	-	2,268	-	-	-	-	-	-	-
#3 Mill (NY)	-	-	-	32	-	-	-	-	-	-	-
#6 Mill (NY)	-	-	-	85	-	-	-	-	-	-	-
Copenhagen (NY)	-	-	-	228	-	-	-	-	-	-	-
Dexter (NY)	-	-	-	750	-	-	-	-	-	-	-
Diamond Island (NY)	-	-	-	181	-	-	-	-	-	-	-
Fowler (NY)	-	-	-	198	-	-	-	-	-	-	-
Hailesboro (NY)	-	-	-	103	-	-	-	-	-	-	-
Pyrites (NY)	-	-	-	67	-	-	-	-	-	-	-
Pyrites #2 (NY)	-	-	-	594	-	-	-	-	-	-	-
Theresa (NY)	-	-	-	30	-	-	-	-	-	-	-
Hyrum City Corporation	-	-	-	154	-	-	-	-	-	-	-
Hyrum (UT)	-	-	-	154	-	-	-	-	-	-	-
I-N-N Electric Coop Inc	-	204	-	-	-	-	-	*	-	-	1
I-N-N Electric (AK)	-	204	-	-	-	-	-	*	-	-	1
Idaho Falls Elec Light Dept	-	-	-	24,067	-	-	-	-	-	-	-
City Power Plant (ID)	-	-	-	3,881	-	-	-	-	-	-	-
Gem State (ID)	-	-	-	11,889	-	-	-	-	-	-	-
Lower (ID)	-	-	-	386	-	-	-	-	-	-	-
Lower #1 (ID)	-	-	-	3,825	-	-	-	-	-	-	-
Upper Power Plant (ID)	-	-	-	4,066	-	-	-	-	-	-	-
Idaho Power Company	-	22	-	527,683	-	-	-	*	-	-	14
American Falls (ID)	-	-	-	13,045	-	-	-	-	-	-	-
Bliss (ID)	-	-	-	29,239	-	-	-	-	-	-	-
Brownlee (ID)	-	-	-	162,495	-	-	-	-	-	-	-
Cascade (ID)	-	-	-	6,909	-	-	-	-	-	-	-
Clear Lake (ID)	-	-	-	1,429	-	-	-	-	-	-	-
Hells Canyon (OR)	-	-	-	130,102	-	-	-	-	-	-	-
Lower Malad (ID)	-	-	-	9,686	-	-	-	-	-	-	-
Lower Salmon (ID)	-	-	-	20,575	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Idaho Power Company											
Oxbow (OR)	-	-	-	68,994	-	-	-	-	-	-	-
Salmon (ID)	-	22	-	-	-	-	-	-	-	-	-
Shoshone Falls (ID)	-	-	-	7,763	-	-	-	-	-	-	-
Strike, C J (ID)	-	-	-	33,392	-	-	-	-	-	-	-
Swan Falls (ID)	-	-	-	7,354	-	-	-	-	-	-	-
Thousand Springs (ID)	-	-	-	4,320	-	-	-	-	-	-	-
Twin Falls (ID)	-	-	-	4,547	-	-	-	-	-	-	-
Upper Malad (ID)	-	-	-	5,581	-	-	-	-	-	-	-
Upper Salmon (ID)	-	-	-	11,392	-	-	-	-	-	-	-
Upper Salmon (ID)	-	-	-	10,843	-	-	-	-	-	-	-
Wood River (ID)	-	-	-	-	-	-	-	-	-	-	13
Illinois Power Company	950,322	11,157	37,900	-	492,281	-	454	18	347	715	192
Baldwin (IL)	597,242	369	-	-	-	-	280	1	-	404	7
Clinton (IL)	-	-	-	-	492,281	-	-	-	-	-	-
Havana (IL)	89,754	10,047	-	-	-	-	44	17	-	70	163
Hennepin (IL)	106,536	-	1,988	-	-	-	55	-	21	129	1
Oglesby (IL)	-	-	-	-	-	-	-	-	-	-	3
Stallings (IL)	-	-	587	-	-	-	-	-	12	-	5
Vermilion (IL)	60,738	178	-	-	-	-	33	-	-	40	1
Wood River (IL)	96,052	563	35,325	-	-	-	42	1	314	72	10
Imperial City Of	-	-	-	-	-	-	-	-	-	-	-
Imperial (NE)	-	-	-	-	-	-	-	-	-	-	-
Imperial Irrigation District	-	414	56,770	23,514	-	-	-	1	696	-	190
Brawley (CA)	-	-	-	-	-	-	-	-	-	-	6
Coachella (CA)	-	111	1,836	-	-	-	-	-	28	-	14
Double Weir (CA)	-	-	-	171	-	-	-	-	-	-	-
Drop No 1 (CA)	-	-	-	2,028	-	-	-	-	-	-	-
Drop No 5 (CA)	-	-	-	1,400	-	-	-	-	-	-	-
Drop 2 (CA)	-	-	-	4,949	-	-	-	-	-	-	-
Drop 3 (CA)	-	-	-	4,575	-	-	-	-	-	-	-
Drop 4 (CA)	-	-	-	9,315	-	-	-	-	-	-	-
E Highline (CA)	-	-	-	716	-	-	-	-	-	-	-
El Centro (CA)	-	302	54,626	-	-	-	-	1	664	-	155
Pilot Knob (CA)	-	-	-	221	-	-	-	-	-	-	-
Rockwood (CA)	-	1	308	-	-	-	-	-	5	-	16
Turnip (CA)	-	-	-	139	-	-	-	-	-	-	-
Independence City Of	-	366	2	-	-	-	-	-	-	-	1
Independence (IA)	-	366	2	-	-	-	-	-	-	-	1
Independence City Of	19,175	119	2,444	-	-	-	11	1	39	44	9
Blue Valley (MO)	19,175	238	1,964	-	-	-	11	1	29	18	2
Jackson Square (MO)	-	-	-	-	-	-	-	-	-	-	2
Missouri City (MO)	-	-146	-	-	-	-	-	-	-	26	2
Station H (MO)	-	13	480	-	-	-	-	-	10	-	1
Station I (MO)	-	14	-	-	-	-	-	-	-	-	2
Indiana & Michigan Power Co											
(AEP)	1,818,519	4,315	-	7,509	664,699	-	1,006	8	-	2,860	72
Berrien Springs (MI)	-	-	-	2,694	-	-	-	-	-	-	-
Breed (IN)	24,324	295	-	-	-	-	11	-	-	331	1
Buchanan (MI)	-	-	-	1,541	-	-	-	-	-	-	-
Cook, Donald C. (MI)	-	-	-	-	664,699	-	-	-	-	-	-
Elkhart (IN)	-	-	-	1,226	-	-	-	-	-	-	-
Fourth Street (IN)	-	9	-	-	-	-	-	-	-	-	2
Rockport (IN)	1,386,272	3,719	-	-	-	-	823	7	-	2,072	51
Tanners Creek (IN)	407,923	292	-	-	-	-	173	-	-	457	18
Twin Branch (IN)	-	-	-	2,048	-	-	-	-	-	-	-
Indiana-Kentucky Electric Corp	792,754	172	-	-	-	-	362	-	-	625	3
Clifty Creek (IN)	792,754	172	-	-	-	-	362	-	-	625	3
Indianapolis Pwr & Lt Co	976,477	2,943	1,052	-	-	-	447	7	-	1,845	71
Perry K (IN)	-	-	1,052	-	-	-	-	-	-	10	4

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Indianapolis Pwr & Lt Co											
Perry W (IN)	49	-	-	-	-	-	-	-	-	4	1
Petersburg (IN)	688,266	634	-	-	-	-	310	1	-	1,103	6
Pritchard, H T (IN)	74,072	1,093	-	-	-	-	38	2	-	109	9
Stout, Elmer W (IN)	214,188	1,218	-	-	-	-	100	3	-	418	50
Indianola Mun Light & Pwr	-	253	15	-	-	-	-	1	-	-	13
Indianola (IA)	-	253	15	-	-	-	-	1	-	-	13
Interstate Power Company	209,045	494	16,956	-	-	-	123	1	206	779	20
Dubuque (IA)	8,563	5	126	-	-	-	6	-	2	65	1
Fox Lake (MN)	-	-4	16,827	-	-	-	-	-	204	36	16
Hills (MN)	-	30	-	-	-	-	-	-	-	-	-
Kapp, M L (IA)	86,442	-	3	-	-	-	42	-	-	118	-
Lansing (IA)	114,040	389	-	-	-	-	75	1	-	561	1
Montgomery (MN)	-	82	-	-	-	-	-	-	-	-	1
New Albin (IA)	-	-2	-	-	-	-	-	-	-	-	-
Rushford (MN)	-	-6	-	-	-	-	-	-	-	-	-
Iola Electric System	-	-	-	-	-	-	-	-	-	-	2
Iola (KS)	-	-	-	-	-	-	-	-	-	-	2
Iowa Electric Lt & Pwr Co	101,883	2,676	6,933	353	103,409	2,148	58	6	89	315	17
Ames (IA)	-	-	-	-	-	-	-	-	-	-	2
Anamosa (IA)	-	-	-	-	-	-	-	-	-	-	-
Arnold, Duane (IA)	-	-	-	-	103,409	-	-	-	-	-	-
Iowa Falls (IA)	-4	-	-	-2	-	-	-	-	-	-	-
Maquoketa (IA)	-	-	-	355	-	-	-	-	-	-	-
Marshalltown (IA)	-	2,515	-	-	-	-	-	6	-	-	12
Prairie Creek (IA)	59,809	161	3,774	-	-	-	30	-	35	181	1
Sutherland (IA)	32,803	-	1,381	-	-	-	19	-	17	130	-
6Th Street (IA)	9,275	-	1,778	-	-	2,148	9	-	37	4	2
Iowa Power & Light Co	317,077	1,782	13,316	-	-	-	205	4	200	559	37
* Central Storage	-	-	-	-	-	-	-	-	-	-	-
Council Bluffs (IA)	317,077	840	323	-	-	-	205	2	3	559	9
Pleasant Hill (IA)	-	941	-	-	-	-	-	2	-	-	16
River Hills (IA)	-	1	3,901	-	-	-	-	-	66	-	4
Sycamore (IA)	-	-	9,092	-	-	-	-	-	131	-	8
Iowa Public Service Co	741,043	280	7,082	-	-	-	450	1	88	862	36
Electriform (IA)	-	-	4,744	-	-	-	-	-	59	-	16
Neal, George (IA)	741,043	280	1,883	-	-	-	450	1	20	862	12
Parr (IA)	-	-	455	-	-	-	-	-	8	-	7
Iowa Southern Utilities Co	237,554	36	179	-	-	-	141	-	3	664	21
Burlington (IA)	84,942	17	-	-	-	-	45	-	-	191	1
Centerville (IA)	-	-11	-	-	-	-	-	-	-	-	-
Grinnell (IA)	-	-	179	-	-	-	-	-	3	-	-
Ottumwa (IA)	152,612	30	-	-	-	-	96	-	-	473	20
Iowa-Illinois Gas & Electric Co	332,348	8	5,844	1,790	-	-	208	-	78	511	15
Coralville (IA)	-	-	700	-	-	-	-	-	13	-	-
Louisa (IA)	303,605	8	549	-	-	-	191	-	6	395	11
Manson (IA)	-	-	-	-	-	-	-	-	-	-	-
Moline (IL)	-	-	580	1,790	-	-	-	-	9	-	4
Riverside (IA)	28,743	-	4,015	-	-	-	17	-	51	116	-
Ipswich Mun Lt Dept	-	46	1,147	-	-	-	-	-	10	-	3
Ipswich (MA)	-	46	1,147	-	-	-	-	-	10	-	3
Jackson Power & Light Dept	-	30	57	-	-	-	-	-	2	-	1
Jackson (MO)	-	30	57	-	-	-	-	-	2	-	1
Jacksonville Electric Authority	748,778	8,202	152,815	-	-	-	294	22	1,828	208	1,175
Kennedy, J D (FL)	-	5,521	67,838	-	-	-	-	11	703	-	199
Northside (FL)	-	-724	-	-	-	-	-	6	-	-	801
Southside (FL)	-	778	84,977	-	-	-	-	1	925	-	167
St. Johns River	748,778	2,627	-	-	-	-	294	3	-	208	7

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Jamestown Board Of Pub											
Utilities	16,275	73	-	-	-	-	9	*	-	2	*
Carlson, S A (NY)	16,275	73	-	-	-	-	9	*	-	2	*
Janesville Mun Utilities	-	88	-	-	-	-	-	*	*	-	*
Janesville (MN)	-	88	-	-	-	-	-	*	*	-	*
Jasper Mun Electric Utility	8,440	-	-	-	-	-	5	-	-	3	-
Jasper 2 (IN)	8,440	-	-	-	-	-	5	-	-	3	-
Jersey Central Power & Light Co											
(GPS)	-	24,767	104,763	-12,297	-	-	-	29	1,413	-	885
Forked River (NJ)	-	128	1,691	-	-	-	-	*	24	-	18
Gardner, Glen (NJ)	-	-	7,067	-	-	-	-	-	116	-	22
Gilbert (NJ)	-	21,567	42,649	-	-	-	-	20	572	-	594
Sayreville (NJ)	-	140	53,356	-	-	-	-	*	701	-	172
Werner (NJ)	-	2,932	-	-	-	-	-	8	-	-	79
Yards Creek (NJ)	-	-	-	-12,297	-	-	-	-	-	-	-
Jetmore City Of	-	-	-	-	-	-	-	-	-	-	*
Jetmore (KS)	-	-	-	-	-	-	-	-	-	-	*
Johnson City Of	-	27	199	-	-	-	-	*	3	-	1
Johnson (KS)	-	27	199	-	-	-	-	*	3	-	1
Julesburg City Of	-	-	-	-	-	-	-	-	-	-	-
Julesburg (CO)	-	-	-	-	-	-	-	-	-	-	-
Kahoka Municipal Power Plant	-	28	51	-	-	-	-	*	1	-	*
Kahoka (MO)	-	28	51	-	-	-	-	*	1	-	*
Kansas City Bd Of Pub Util	198,631	1,028	14,563	-	-	-	119	3	173	295	9
Kaw (KS)	3,426	4	8,854	-	-	-	2	*	119	44	*
Nearman Creek (KS)	115,477	186	-	-	-	-	80	*	-	177	2
Quindaro (KS)	79,728	838	5,709	-	-	-	37	3	54	74	7
Kansas City Power & Light Co	1,205,475	2,266	391	-	-	-	744	6	2	1,225	132
Grand Ave (MO)	-	-	253	-	-	-	-	-	-	-	-
Hawthorn (MO)	98,149	-	138	-	-	-	67	-	2	178	5
Iatan (MO)	387,891	39	-	-	-	-	225	*	-	326	10
La Cygne (KS)	529,285	848	-	-	-	-	323	2	-	542	18
Montrose (MO)	190,150	229	-	-	-	-	129	*	-	179	10
Northeast (MO)	-	1,150	-	-	-	-	-	3	-	-	89
Kansas Gas & Electric Co	-	-	66,157	-	-	-	-	-	787	-	284
Evans, Gordon (KS)	-	-	30,061	-	-	-	-	-	350	-	81
Gill, Murray (KS)	-	-	36,096	-	-	-	-	-	437	-	203
Neosho (KS)	-	-	-	-	-	-	-	-	-	-	-
Kansas Power & Light Co	1,178,460	362	82,120	-	-	-	775	1	978	2,307	179
Abilene (KS)	-	-	4,058	-	-	-	-	-	64	-	16
Hutchinson (KS)	-	-	72,378	-	-	-	-	-	850	-	77
Jeffrey (KS)	970,774	362	-	-	-	-	660	1	-	1,894	51
Lawrence (KS)	124,928	-	3,841	-	-	-	69	-	44	279	15
Tecumseh (KS)	82,758	-	1,843	-	-	-	45	-	21	133	19
Kauai Electric Company	-	22,650	-	-	-	-	-	47	-	-	-
Port Allen (HI)	-	22,650	-	-	-	-	-	47	-	-	-
Kaukauna City Of	-	-	-	14,733	-	-	-	-	-	-	1
Combined Locks (WI)	-	-	-	4,640	-	-	-	-	-	-	-
Kaukauna (WI)	-	-	-	-	-	-	-	-	-	-	1
Kaukauna Hydro (WI)	-	-	-	3,361	-	-	-	-	-	-	-
Little Chute (WI)	-	-	-	1,570	-	-	-	-	-	-	-
New Badger (WI)	-	-	-	2,129	-	-	-	-	-	-	-
Old Badger (WI)	-	-	-	1,301	-	-	-	-	-	-	-
Rapide Croche (WI)	-	-	-	1,732	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Kennett Board Of Public Works ..	-	2	47	-	-	-	-	*	9	-	8
Kennett (MO)	-	2	47	-	-	-	-	*	9	-	8
Kentucky Power Co (AEP)	480,095	2,562	-	-	-	-	196	4	-	815	8
Big Sandy (KY)	480,095	2,562	-	-	-	-	196	4	-	815	8
Kentucky Utilities Company	1,095,462	725	91	567	-	-	474	4	2	1,474	29
Brown, E W (KY)	286,462	41	-	-	-	-	124	1	-	337	6
Dix Dam (KY)	-	-	-	-4	-	-	-	-	-	-	-
Ghent (KY)	723,753	428	-	-	-	-	309	2	-	1,014	11
Green River (KY)	77,744	13	-	-	-	-	38	*	-	105	2
Haefling (KY)	-	90	91	-	-	-	-	*	2	-	7
Lock 7 (KY)	-	-	-	571	-	-	-	-	-	-	-
Moreville (KY)	1,252	1	-	-	-	-	1	*	-	5	*
Tyrone (KY)	6,251	152	-	-	-	-	3	1	-	14	3
Kenyon Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Kenyon (MN)	-	-	-	-	-	-	-	-	-	-	-
Ketchikan Public Utilities	-	-110	-	9,862	-	-	-	*	-	-	5
Beaver Falls (AK)	-	-	-	2,847	-	-	-	-	-	-	-
Ketchikan (AK)	-	-	-	905	-	-	-	-	-	-	-
Ketchikan (AK)	-	-100	-	-	-	-	-	*	-	-	5
Silvis (AK)	-	-	-	984	-	-	-	-	-	-	-
Swan Lake (AK)	-	-	-	5,126	-	-	-	-	-	-	-
Totem Bight (AK)	-	-10	-	-	-	-	-	*	-	-	*
Key West, City Of	-	8,234	-	-	-	-	-	21	-	-	55
Big Pine (FL)	-	-	-	-	-	-	-	-	-	-	1
Cudjoe (FL)	-	107	-	-	-	-	-	*	-	-	1
Key West (FL)	-	4,244	-	-	-	-	-	10	-	-	30
Stock Island (FL)	-	3,883	-	-	-	-	-	11	-	-	23
Kimball City Of	-	2	11	-	-	-	-	*	*	-	*
Kimball (NE)	-	2	11	-	-	-	-	*	*	-	*
Kimballton Mun Light Plant	-	-	-	-	-	-	-	-	-	-	-
Kimballton (IA)	-	-	-	-	-	-	-	-	-	-	-
Kingfisher City Of	-	6	-	-	-	-	-	*	-	-	*
Kingfisher (OK)	-	6	-	-	-	-	-	*	-	-	*
Kingman City Of	-	403	3,168	-	-	-	-	1	39	-	1
Kingman (KS)	-	403	3,168	-	-	-	-	1	39	-	1
Kings River Construction Dist	-	-	-	-	-	-	-	-	-	-	-
Pine Flat (CA)	-	-	-	-	-	-	-	-	-	-	-
Kissimmee City Of	-	12	14,201	-	-	-	-	*	173	-	23
Kissimmee (FL)	-	12	14,201	-	-	-	-	*	173	-	23
Kodiak Electric Assn, Inc	-	-122	-	8,889	-	-	-	*	-	-	1
Kodiak A (AK)	-	-117	-	-	-	-	-	*	-	-	1
Port Lions (AK)	-	-5	-	-	-	-	-	-	-	-	*
Terror Lake AK)	-	-	-	8,889	-	-	-	-	-	-	-
Kotzebue Electric Assn, Inc	-	1,401	-	-	-	-	-	2	-	-	33
Kotzebue (AK)	-	1,401	-	-	-	-	-	2	-	-	33
La Crosse City Of	-	-	-	-	-	-	-	-	-	-	-
Larned (KS)	-	-	-	-	-	-	-	-	-	-	-
La Junta Municipal Utilities	-	-162	-	-	-	-	-	*	*	-	4
La Junta (CO)	-	-162	-	-	-	-	-	*	*	-	4
La Plata Electric Assn, The	-	-	-	-	-	-	-	-	-	-	*
La Plata (MO)	-	-	-	-	-	-	-	-	-	-	*

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
La Porte City Municipal Utilities ..	-	15	-	-	-	-	-	*	-	-	*
La Porte (I/)	-	15	-	-	-	-	-	*	-	-	*
Lafayette Utility System	-	-	40,812	-	-	-	-	-	454	-	120
Doc Bonin (LA)	-	-	40,869	-	-	-	-	-	454	-	120
Rodemacher (LA)	-	-	-57	-	-	-	-	-	-	-	-
Lake Crystal Mun Utilities Co	-	-	-	-	-	-	-	-	-	-	*
Lake Crystal (MN)	-	-	-	-	-	-	-	-	-	-	*
Lake Lure Elec Pwr Facility	-	-	-	502	-	-	-	-	-	-	-
Lake Lure (NC)	-	-	-	502	-	-	-	-	-	-	-
Lake Mills Mun Light Plant	-	3	2	-	-	-	-	*	*	-	*
Lake Mills (IA)	-	3	2	-	-	-	-	*	*	-	*
Lake Park Mun Utilities	-	-	-	-	-	-	-	-	-	-	-
Lake Park (IA)	-	-	-	-	-	-	-	-	-	-	-
Lake Worth Utilities Authority	-	1,030	15,068	-	-	-	-	2	189	-	19
Smith, Tom G (FL)	-	1,030	15,068	-	-	-	-	2	189	-	19
Lakeland, Cty Of Dpt Of Elec & Wtr	197,309	6,882	41,301	-	-	-	83	17	496	99	238
Larsen Memorial (FL)	-	-	-	-	-	-	-	*	2	-	57
Mcintosh, C D (FL)	197,309	6,882	41,301	-	-	-	83	17	494	99	181
Lamar Utilities Brd Of	-	-	7,516	-	-	-	-	-	107	-	6
Lamar (CO)	-	-	7,516	-	-	-	-	-	107	-	6
Lamoni Municipal Utilities	-	83	32	-	-	-	-	*	*	-	1
Lamoni (IA)	-	83	32	-	-	-	-	*	*	-	1
Lanesboro Public Utilities	-	-	-	-	-	-	-	-	-	-	-
Lansboro (MN)	-	-	-	-	-	-	-	-	-	-	-
Lansing Board Of Wtr & Lt	201,588	427	-	71	-	-	84	1	-	279	1
Eckert Station (MI)	103,544	396	-	-	-	-	48	1	-	28	1
Erickson (MI)	98,305	31	-	-	-	-	37	*	-	240	*
Moore's Park (MI)	-	-	-	73	-	-	-	-	-	-	-
North Lansing (MI)	-	-	-	-2	-	-	-	-	-	-	-
Ottawa Street (MI)	-261	-	-	-	-	-	-	-	-	11	*
Larned Mun Power Plant	-	4	319	-	-	-	-	*	5	-	4
Larned (KS)	-	-	-	-	-	-	-	-	-	-	-
Larned (KS)	-	4	319	-	-	-	-	*	5	-	4
Larsen Bay City Of	-	33	-	-	-	-	-	*	-	-	-
Larsen (AK)	-	33	-	-	-	-	-	*	-	-	-
Las Animas Mun Lt & Pwr	-	-22	-	-	-	-	-	*	*	-	*
Las Animas (CO)	-	-22	-	-	-	-	-	*	*	-	*
Laurel Mun Power Plant	-	-	-	-	-	-	-	-	-	-	*
Laurel (NE)	-	-	-	-	-	-	-	-	-	-	*
Laurens Mun Lt & Pwr Plant	-	-	-	-	-	-	-	-	-	-	-
Laurens (IA)	-	-	-	-	-	-	-	-	-	-	-
Le Sueur Municipal Utilities	-	-	-	-	-	-	-	*	-	-	1
Le Sueur (MN)	-	-	-	-	-	-	-	*	-	-	1
Lea County Elec Coop, Inc	-	-	-	-	-	-	-	-	-	-	-
North Lovington (NM)	-	-	-	-	-	-	-	-	-	-	-
Lebanon City Of	-	-	-	-	-	-	-	-	-	-	1
Lebanon (OH)	-	-	-	-	-	-	-	-	-	-	1

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Lenox Municipal Light Plant	-	-	-	-	-	-	-	-	-	-	-
Lenox (IA)	-	-	-	-	-	-	-	-	-	-	-
Lewes Board Of Public Works	-	-	-	-	-	-	-	-	-	-	-
Lewes (DE)	-	-	-	-	-	-	-	-	-	-	-
Lincoln City Of	-	87	110	-	-	-	-	*	1	-	*
Lincoln (KS)	-	87	110	-	-	-	-	*	1	-	*
Lincoln Electric Sys	-	521	589	-	-	-	-	1	9	-	16
Lincoln J Street (NE)	-	-	589	-	-	-	-	-	9	-	3
Rokeby (NE)	-	521	-	-	-	-	-	1	-	-	13
Lindsay Public Works Authority ..	-	-	-	-	-	-	-	-	-	-	*
Lindsay (OK)	-	-	-	-	-	-	-	-	-	-	*
Litchfield City Of	-	1	2	-	-	-	-	*	*	-	*
Litchfield (MN)	-	1	2	-	-	-	-	*	*	-	*
Livingston City Of	-	-	-	-	-	-	-	-	-	-	-
Livingston (MT)	-	-	-	-	-	-	-	-	-	-	-
Lockhart Power Company	-	-	-	3,886	-	-	-	-	-	-	-
Lockhart (SC)	-	-	-	3,886	-	-	-	-	-	-	-
Lodgepole City Of	-	-	-	-	-	-	-	-	-	-	-
Lodgepole (NE)	-	-	-	-	-	-	-	-	-	-	-
Logan City Municipal Elect Lght	-	-	-	-	-	-	-	-	-	-	-
Pit	-	-8	-	777	-	-	-	*	-	-	2
Logan (UT)	-	-	-	137	-	-	-	-	-	-	-
Logan 2 (UT)	-	-	-	640	-	-	-	-	-	-	-
Logon Diesel (UT)	-	-8	-	-	-	-	-	*	-	-	2
Logansport Municipal Utilities	13,839	-	-	-	-	-	9	-	-	2	3
Logansport (IN)	13,839	-	-	-	-	-	9	-	-	2	3
Long Island Lighting Company	-	618,338	423,270	-	-	-	-	1,039	4,551	-	2,314
Barrett, E F (NY)	-	9	250,947	-	-	-	-	*	2,649	-	282
Brookhaven (NY)	-	6,982	-	-	-	-	-	18	-	-	32
East Hampton (NY)	-	368	-	-	-	-	-	1	-	-	4
Far Rockway (NY)	-	-	56,775	-	-	-	-	-	599	-	30
Glenwood (NY)	-	33	115,548	-	-	-	-	*	1,303	-	130
Holbrook (NY)	-	5,849	-	-	-	-	-	15	-	-	82
Montauk (NY)	-	61	-	-	-	-	-	*	-	-	1
Northport (NY)	-	509,197	-	-	-	-	-	840	-	-	1,299
Port Jefferson (NY)	-	95,614	-	-	-	-	-	164	-	-	415
Shoreham (NY)	-	117	-	-	-	-	-	*	-	-	22
Southampton (NY)	-	123	-	-	-	-	-	1	-	-	3
Southold (NY)	-	-9	-	-	-	-	-	-	-	-	3
West Babylon (NY)	-	-6	-	-	-	-	-	*	-	-	11
Longmont City Of	-	-	-	-1	-	-	-	-	-	-	-
Longmont (CO)	-	-	-	-1	-	-	-	-	-	-	-
Los Angeles Dept Of Water And Power	998,404	2,839	473,092	37,480	-	-	405	5	4,909	1,225	2,719
Big Pine Creek (CA)	-	-	-	1,341	-	-	-	-	-	-	-
Castaic (CA)	-	-	-	25,164	-	-	-	-	-	-	-
Control Gorge (CA)	-	-	-	3,776	-	-	-	-	-	-	-
Cottonwood (CA)	-	-	-	163	-	-	-	-	-	-	-
Division Creek (CA)	-	-	-	246	-	-	-	-	-	-	-
Foothill (CA)	-	-	-	-4	-	-	-	-	-	-	-
Franklin Canyon (CA)	-	-	-	1,137	-	-	-	-	-	-	-
Haiwee (CA)	-	-	-	-5	-	-	-	-	-	-	-
Harbor (CA)	-	-137	5,866	-	-	-	-	*	88	-	17
Haynes (CA)	-	-	327,216	-	-	-	-	-	3,251	-	1,898
Intermountain (UT)	998,404	2,976	-	-	-	-	405	5	-	1,225	7

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Los Angeles Dept Of Water And Power											
Middle Gorge (CA)	-	-	-	3,781	-	-	-	-	-	-	-
Pleasant Valley (CA)	-	-	-	100	-	-	-	-	-	-	-
San Fernando (CA)	-	-	-	-3	-	-	-	-	-	-	-
San Francisquito 1 (CA)	-	-	-	-	-	-	-	-	-	-	-
San Francisquito 2 (CA)	-	-	-	-	-	-	-	-	-	-	-
Sawtelle (CA)	-	-	-	-	-	-	-	-	-	-	-
Scattergood (CA)	-	-	110,089	-	-	-	-	-	1,183	-	381
Upper Gorge (CA)	-	-	-	1,784	-	-	-	-	-	-	-
Valley (CA)	-	-	29,921	-	-	-	-	-	387	-	416
Louisiana Power & Light Co (MSU)											
Buras (LA)	-	31,269	1,013,322	-	745,116	-	-	47	11,041	-	582
Little Gypsy (LA)	-	-	117	-	-	-	-	-	2	-	2
Monroe (LA)	-	5,940	308,652	-	-	-	-	10	3,707	-	114
Nine Mile Point (LA)	-	6,638	470,383	-	-	-	-	9	4,756	-	208
Sterlington (LA)	-	4,524	20,786	-	-	-	-	9	202	-	20
Thibodaux (LA)	-	-	-	-	-	-	-	-	-	-	-
Waterford (LA)	-	-	-	-	745,116	-	-	-	-	-	-
Waterford (LA)	-	14,167	213,384	-	-	-	-	19	2,374	-	239
Louisville Gas & Electric Co											
Cane Run (KY)	896,584	1,595	2,172	39,130	-	-	410	2	28	708	25
Mill Creek (KY)	230,739	-	563	-	-	-	111	-	7	83	2
Ohio Falls (KY)	660,786	1,595	908	-	-	-	296	2	8	492	22
Paddys Run (KY)	-	-	-	39,130	-	-	-	-	6	-	-
Trimble County (KY)	5,059	-	316	-	-	-	3	-	-	133	-
Waterside (KY)	-	-	279	-	-	-	-	-	5	-	-
Zorn (KY)	-	-	106	-	-	-	-	-	2	-	-
Lowell Light & Power											
Lowell (MI)	-	3	-	-	-	-	-	-	-	-	-
Lower Colorado River Authority											
Austin (TX)	960,162	2,078	186,717	52,621	-	-	408	3	1,953	914	189
Buchanan (TX)	-	-	-	4,187	-	-	-	-	-	-	-
Granite Shoals (TX)	-	-	-	12,127	-	-	-	-	-	-	-
Inks (TX)	-	-	-	10,271	-	-	-	-	-	-	-
Mansfield (TX)	-	-	-	5,733	-	-	-	-	-	-	-
Marble Falls (TX)	-	-	-	13,672	-	-	-	-	-	-	-
Sam K Seymour, Jr (TX)	960,162	2,078	-	6,631	-	-	408	3	-	914	9
Sim Gideon (TX)	-	-	104,940	-	-	-	-	-	1,120	-	95
T. C. Ferguson (TX)	-	-	81,777	-	-	-	-	-	833	-	85
Lower Valley Power & Light, Inc.											
Strawberry Creek (WY)	-	-	-	750	-	-	-	-	-	-	-
Lubbock City Of (Power & Light Dept)											
Holly Ave (TX)	-	-	60,381	-	-	-	-	-	685	-	10
LP&L Co GEN	-	-	48,971	-	-	-	-	-	566	-	10
Plant 2 (TX)	-	-	11,435	-	-	-	-	-	119	-	-
Luverne City Of											
Luverne (MN)	-	-	-	-	-	-	-	-	-	-	1
Lyndonville Electric Department											
Great Falls (VT)	-	-	-	653	-	-	-	-	-	-	-
Vail (VT)	-	-	-	477	-	-	-	-	-	-	-
M & A Electric Power Cooperative											
Green Forest (MO)	-	-31	-	-	-	-	-	-	-	-	1
Macon Municipal Utilities											
Macon (MO)	-	41	1	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Madelia Mun Lt & Pwr Plant	-	9	36	-	-	-	-	*	*	-	*
Madelia (MN)	-	9	36	-	-	-	-	*	*	-	*
Madison City Of	-	-	-	133	-	-	-	-	-	-	-
Norridgewick (ME)	-	-	-	133	-	-	-	-	-	-	-
Madison Gas & Electric Co	21,106	-	4,168	-	-	1,448	11	-	69	21	14
Blount Street (WI)	21,106	-	2,692	-	-	1,448	11	-	46	21	3
Fitchburg (WI)	-	-	658	-	-	-	-	-	10	-	5
Nine Springs (WI)	-	-	29	-	-	-	-	-	1	-	1
Sycamore (WI)	-	-	789	-	-	-	-	-	13	-	5
Madison Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Madison (MN)	-	-	-	-	-	-	-	-	-	-	-
Maine Public Service Co	-	182	-	391	-	-	-	1	-	-	21
Caribou (ME)	-	207	-	394	-	-	-	1	-	-	20
Flos Inn (ME)	-	-20	-	-	-	-	-	-	-	-	*
Houlton (ME)	-	-5	-	-	-	-	-	-	-	-	*
Squa Pan (ME)	-	-	-	-3	-	-	-	-	-	-	-
Maine Yankee Atomic Power Company	-	-	-	-	617,400	-	-	-	-	-	-
Maine Yankee (ME)	-	-	-	-	617,400	-	-	-	-	-	-
Malden City Of	-	2	31	-	-	-	-	*	1	-	1
Malden (MO)	-	2	31	-	-	-	-	*	1	-	1
Mangum City Of	-	3	13	-	-	-	-	*	*	-	*
Mangum (OK)	-	3	13	-	-	-	-	*	*	-	*
Manilla Mun Service Dept	-	-	-	-	-	-	-	-	-	-	-
Manilla (IA)	-	-	-	-	-	-	-	-	-	-	-
Manitowoc Public Utilities	13,036	62	617	-	-	-	7	*	6	34	1
Manitowoc (WI)	13,036	62	617	-	-	-	7	*	6	34	1
Manley Utility Company Inc	-	24	-	-	-	-	-	*	-	-	*
Manley (AK)	-	24	-	-	-	-	-	*	-	-	*
Manning Municipal Light Plant	-	-	-	-	-	-	-	-	-	-	-
Manning (IA)	-	-	-	-	-	-	-	-	-	-	-
Manti City Corp Light & Power Dept	-	-	-	438	-	-	-	-	-	-	-
Lower (UT)	-	-	-	49	-	-	-	-	-	-	-
Manti (UT)	-	-	-	389	-	-	-	-	-	-	-
Maquoketa Mun Lt & Pwr	-	2	509	-	-	-	-	*	6	-	1
Maquoketa (IA)	-	2	509	-	-	-	-	*	6	-	1
Marblehead Municipal Light Dept	-	14	-	-	-	-	-	*	-	-	1
Commerce St 2 (MA)	-	4	-	-	-	-	-	*	-	-	*
Wilkins Station (MA)	-	10	-	-	-	-	-	*	-	-	1
Marquette Bd Of Lt & Pwr	15,946	32	-	495	-	-	11	*	-	51	6
Plant Four (MI)	-	-	-	-	-	-	-	-	-	-	5
Plant Two (MI)	-	-	-	387	-	-	-	-	-	-	-
Russell, Frank J (MI)	-	-	-	108	-	-	-	-	-	-	-
Shiras (MI)	15,946	32	-	-	-	-	11	*	-	51	2
Marshall City Wtr & Elec Works ..	-	2	15	95	-	-	-	*	1	-	*
Marshall (MI)	-	2	15	95	-	-	-	*	1	-	*
Marshall Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Marshall (MN)	-	-	-	-	-	-	-	-	-	-	-
Marshall Municipal Utilities	7,453	169	31	-	-	-	5	1	*	*	4
Marshall (MO)	7,453	169	31	-	-	-	5	1	*	*	4

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Marshfield Electric & Water Dept	-	-	-	-	-	-	-	-	-	-	-
Wildwood (WI)	-	-	-	-	-	-	-	-	-	-	-
Martinsville Electric Department ..	-	-	-	331	-	-	-	-	-	-	-
Martinsville (VA)	-	-	-	331	-	-	-	-	-	-	-
Mascoutah City Of (Pwr & Lt	-	46	3	-	-	-	-	*	*	-	1
Dept)	-	46	3	-	-	-	-	*	*	-	1
Mascoutah (IL)	-	46	3	-	-	-	-	*	*	-	1
Mass Mun Wholesale Electric	-	30,953	68,939	-	-	-	-	6	815	-	352
Company	-	30,953	68,939	-	-	-	-	6	815	-	352
Stonybrook (MA)	-	30,953	68,939	-	-	-	-	6	815	-	352
Maul Electric Co, Ltd	-	62,105	-	-	-	-	-	117	-	-	125
Cook (HI)	-	2,680	-	-	-	-	-	6	-	-	*
Kahului (HI)	-	23,015	-	-	-	-	-	50	-	-	62
Maalaea (HI)	-	36,410	-	-	-	-	-	61	-	-	62
Mcgrath Light & Power Co	-	256	-	-	-	-	-	*	-	-	5
Mcgrath (AK)	-	256	-	-	-	-	-	*	-	-	5
Mcgregor Municipal Utilities	-	104	-	-	-	-	-	*	-	-	*
Mc Gregor (IA)	-	104	-	-	-	-	-	*	-	-	*
Mcleansboro City Of	-	3	-	-	-	-	-	*	-	-	*
Mc Leansboro (IL)	-	3	-	-	-	-	-	*	-	-	*
Mcperson Board Of Public Util ..	-	140	5,162	-	-	-	-	*	70	-	24
Plant No. 1 (KS)	-	-	-	-	-	-	-	-	-	-	*
Plant No. 2 (KS)	-	140	5,162	-	-	-	-	*	70	-	23
Meade City Of	-	171	1,475	-	-	-	-	*	15	-	*
Meade (KS)	-	171	1,475	-	-	-	-	*	15	-	*
Medina Electric Coop, Inc	-	-	-	-	-	-	-	-	-	-	21
Pearsall (TX)	-	-	-	-	-	-	-	-	-	-	21
Melrose Water, Lt & Pwr & Bldg	-	-	-	-	-	-	-	-	-	-	-
Comm	-	-	-	-	-	-	-	-	-	-	-
Melrose (MN)	-	-	-	-	-	-	-	-	-	-	-
Memphis Lt Gas & Wtr Division ...	-	51	44	-	-	-	-	*	*	-	*
Memphis (MO)	-	51	44	-	-	-	-	*	*	-	*
Menasha Electric & Water	939	-	-	-	-	-	*	-	-	1	-
Utilities	939	-	-	-	-	-	*	-	-	1	-
Menasha (WI)	939	-	-	-	-	-	*	-	-	1	-
Merced Irrigation District	-	-	-	1,784	-	-	-	-	-	-	-
Canal Creek (CA)	-	-	-	-	-	-	-	-	-	-	-
Exchequer (CA)	-	-	-	1,470	-	-	-	-	-	-	-
Fairfield (CA)	-	-	-	45	-	-	-	-	-	-	-
Mcswain (CA)	-	-	-	205	-	-	-	-	-	-	-
Parker (CA)	-	-	-	64	-	-	-	-	-	-	-
Merrilan Light & Water Dept	-	3	-	-	-	-	-	*	-	-	*
Merrilan (WI)	-	3	-	-	-	-	-	*	-	-	*
Metlakatla Power & Light	-	614	-	1,044	-	-	-	1	-	-	4
Centennial (AK)	-	620	-	-	-	-	-	1	-	-	4
Chester Lake (AK)	-	-	-	223	-	-	-	-	-	-	-
Fairbanks Morse (AK)	-	-6	-	-	-	-	-	-	-	-	*
Leffel Turbine (AK)	-	-	-	821	-	-	-	-	-	-	-
Metropolitan Edison Co (GPS)	233,736	2,239	5,524	14,215	-	-	93	4	94	212	42
Hamilton (PA)	-	206	-	-	-	-	-	1	-	-	3
Hunterstown (PA)	-	-	3,172	-	-	-	-	-	54	-	9

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Metropolitan Edison Co (GPS)											
Mountain (PA)	-	-	1,814	-	-	-	-	*	32	-	7
Orrtanna (PA)	-	166	-	-	-	-	-	*	-	-	3
Portland (PA)	133,369	883	538	-	-	-	51	1	9	117	11
Shawnee (PA)	-	188	-	-	-	-	-	*	-	-	4
Titus (PA)	100,367	573	-	-	-	-	42	1	-	94	1
Tolna (PA)	-	223	-	-	-	-	-	1	-	-	5
Yorkhaven (PA)	-	-	-	14,215	-	-	-	-	-	-	-
Metropolitan Wtr Dist Of So Calif	-	-	-	39,137	-	-	-	-	-	-	-
Corona (CA)	-	-	-	1,845	-	-	-	-	-	-	-
Coyote Creek (CA)	-	-	-	1,314	-	-	-	-	-	-	-
Foothill Feeder (CA)	-	-	-	4,200	-	-	-	-	-	-	-
Greg Avenue (CA)	-	-	-	734	-	-	-	-	-	-	-
Lake Mathews (CA)	-	-	-	3,108	-	-	-	-	-	-	-
Perris (CA)	-	-	-	3,285	-	-	-	-	-	-	-
Red Mountain (CA)	-	-	-	2,772	-	-	-	-	-	-	-
Rio Hondo (CA)	-	-	-	578	-	-	-	-	-	-	-
San Dimas (CA)	-	-	-	6,642	-	-	-	-	-	-	-
Sepulv Cyn (CA)	-	-	-	5,090	-	-	-	-	-	-	-
Temescal (CA)	-	-	-	1,893	-	-	-	-	-	-	-
Valley View (CA)	-	-	-	836	-	-	-	-	-	-	-
Venice (CA)	-	-	-	3,798	-	-	-	-	-	-	-
Yorba Linda (CA)	-	-	-	3,042	-	-	-	-	-	-	-
Mich So Central Pwr Agency	21,662	65	-	-	-	-	13	*	-	89	7
Project I (MI)	21,662	65	-	-	-	-	13	*	-	89	7
Michigan Power Company (AEP)	-	-	-	702	-	-	-	-	-	-	-
Constantine (MI)	-	-	-	292	-	-	-	-	-	-	-
Mottville (MI)	-	-	-	410	-	-	-	-	-	-	-
Mid-State Service Company	-	-	-	154	-	-	-	-	-	-	-
Irving (MI)	-	-	-	154	-	-	-	-	-	-	-
Middleville (MI)	-	-	-	-	-	-	-	-	-	-	-
Midwest Energy Inc	-	-122	-	-	-	-	-	-	-	-	31
Atwood (KS)	-	-1	-	-	-	-	-	-	-	-	*
Bird City (KS)	-	-10	-	-	-	-	-	-	-	-	*
Colby (KS)	-	-23	-	-	-	-	-	-	-	-	6
Ellis (KS)	-	-5	-	-	-	-	-	-	-	-	1
Great Bend (KS)	-	-11	-	-	-	-	-	-	-	-	*
Hays (KS)	-	-37	-	-	-	-	-	-	-	-	5
Hoxie (KS)	-	-1	-	-	-	-	-	-	-	-	*
Ross Beach (KS)	-	-33	-	-	-	-	-	-	-	-	19
Wakeney (KS)	-	-1	-	-	-	-	-	-	-	-	*
Milford Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Milford (IA)	-	-	-	-	-	-	-	-	-	-	-
Minden City Of	-	-	-	-	-	-	-	-	-	-	2
Minden (LA)	-	-	-	-	-	-	-	-	-	-	2
Minneapolis City Of	-	39	30	-	-	-	-	*	1	-	*
Minneapolis (KS)	-	39	30	-	-	-	-	*	1	-	*
Minnesota Power & Light Co	543,889	659	-	35,475	-	-	338	1	-	412	8
Aurora (MN)	11,217	83	-	-	-	-	7	*	-	64	*
Blanchard (MN)	-	-	-	3,547	-	-	-	-	-	-	-
Boswell, Clay (MN)	532,672	576	-	-	-	-	330	1	-	348	8
Fond Du Lac (MN)	-	-	-	4,731	-	-	-	-	-	-	-
Hibbard, M L (MN)	-	-	-	-	-	-	-	-	-	-	-
Knife Falls (MN)	-	-	-	789	-	-	-	-	-	-	-
Little Falls (MN)	-	-	-	1,318	-	-	-	-	-	-	-
Pillager (MN)	-	-	-	260	-	-	-	-	-	-	-
Prairie River (MN)	-	-	-	33	-	-	-	-	-	-	-
Scanlon (MN)	-	-	-	725	-	-	-	-	-	-	-
Sylvan (MN)	-	-	-	296	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Minnesota Power & Light Co											
Thompson (MN)	-	-	-	23,574	-	-	-	-	-	-	-
Winton (MN)	-	-	-	202	-	-	-	-	-	-	-
Minnkota Power Coop, Inc	358,734	643	-	-	-	-	320	1	-	686	10
Grand Forks (ND)	-	-	-	-	-	-	-	-	-	-	-
Harwood (ND)	-	-	-	-	-	-	-	-	-	-	-
Hawley (MN)	-	-	-	-	-	-	-	-	-	-	-
Lerfald (ND)	-	49	-	-	-	-	-	-	-	-	-
Young, Milton R (ND)	358,734	594	-	-	-	-	320	1	-	686	10
Mississippi Power & Light Co											
(MSU)	-	107,101	329,532	-	-	-	-	195	3,617	-	586
Andrus (MS)	-	1,174	112,734	-	-	-	-	2	1,221	-	343
Brown, Rex (MS)	-	1,478	64,186	-	-	-	-	3	692	-	35
Delta (MS)	-	-	5,707	-	-	-	-	-	79	-	62
Natchez (MS)	-	-85	-	-	-	-	-	-	-	-	19
Wilson, B (MS)	-	104,534	146,905	-	-	-	-	190	1,625	-	128
Mississippi Power Co (SC)	790,865	12	214,942	-	-	-	330	*	2,997	404	82
Daniel, Victor J Jr. (MS)	431,423	12	-	-	-	-	184	*	-	177	4
Eaton (MS)	-	-	11,471	-	-	-	-	-	147	-	9
Standard Oil (MS)	-	-	41,532	-	-	-	-	-	1,038	-	-
Sweatt (MS)	-	-	18,513	-	-	-	-	-	263	-	36
Watson (MS)	359,442	-	143,426	-	-	-	146	-	1,549	227	32
Missouri Basin Mun Power											
Agency	-	-	-	-	-	-	-	-	-	-	-
Watertown (SD)	-	-	-	-	-	-	-	-	-	-	-
Missouri Public Service Co	188,867	3,136	2,336	-	-	-	87	7	31	186	63
Green, Ralph (MO)	-	-	321	-	-	-	-	-	31	-	-
Greenwood (MO)	-	2,876	-	-	-	-	-	7	-	-	57
Kci (MO)	-	-	15	-	-	-	-	-	-	-	-
Nevada (MO)	-	-9	-	-	-	-	-	-	-	-	5
Sibley (MO)	188,867	269	-	-	-	-	87	*	-	186	1
Modesto Irrigation Dist	-	1,293	623	-1	-	-	-	3	9	-	10
McClure (CA)	-	1,293	623	-	-	-	-	3	9	-	10
New Hogan (CA)	-	-	-	-	-	-	-	-	-	-	-
Stone Drop (CA)	-	-	-	-1	-	-	-	-	-	-	-
Monongahela Power Co (APS)	2,213,215	5,898	945	-	-	-	855	8	7	2,131	19
Albright (WV)	43,092	603	-	-	-	-	21	1	-	187	2
Fort Martin (WV)	630,635	691	-	-	-	-	234	1	-	417	6
Harrison (WV)	969,628	143	945	-	-	-	359	*	7	787	1
Pleasants (WV)	530,686	4,094	-	-	-	-	223	6	-	617	9
Rivesville (WV)	8,295	163	-	-	-	-	4	*	-	56	1
Willow Island (WV)	30,879	204	-	-	-	-	14	*	-	67	*
Monroe City Of	-	231	53	-	-	-	-	*	1	-	1
Monroe (MO)	-	231	53	-	-	-	-	*	1	-	1
Monroe Power And Light Dept	-	-	-	136	-	-	-	-	-	-	-
Lower (UT)	-	-	-	59	-	-	-	-	-	-	-
Mon Pump St (UT)	-	-	-	-	-	-	-	-	-	-	-
Monroe Up (UT)	-	-	-	77	-	-	-	-	-	-	-
Montana Light & Power											
Company	-	-	-	1,025	-	7,469	-	-	-	-	-
Lake Creek (MT)	-	-	-	1,025	-	-	-	-	-	-	-
Libby (MT)	-	-	-	-	-	7,469	-	-	-	-	-
Montana Power Company, The	1,273,018	3,638	1,757	231,094	-	-	793	7	22	822	9
Black Eagle (MT)	-	-	-	9,138	-	-	-	-	-	-	-
Cochrane (MT)	-	-	-	18,462	-	-	-	-	-	-	-
Colstrip (MT)	1,168,808	3,633	-	-	-	-	728	7	-	741	9
Corette, J E (MT)	104,210	-	1,757	-	-	-	65	-	22	81	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Montana Power Company, The											
Flint Creek (MT)	-	-	-	-	-	-	-	-	-	-	-
Frank Bird (MT)	-	-	-	-	-	-	-	-	-	-	-
Hauser Lake (MT)	-	-	-	9,881	-	-	-	-	-	-	-
Holter (MT)	-	-	-	17,767	-	-	-	-	-	-	-
Kerr (MT)	-	-	-	83,039	-	-	-	-	-	-	-
Lake Diesel (MT)	-	-	-	-	-	-	-	-	-	-	-
Madison (MT)	-	-	-	-	-	-	-	-	-	-	-
Milltown (MT)	-	-	-	1,279	-	-	-	-	-	-	-
Morony (MT)	-	-	-	19,604	-	-	-	-	-	-	-
Mystic Lake (MT)	-	-	-	1,072	-	-	-	-	-	-	-
Rainbow (MT)	-	-	-	14,232	-	-	-	-	-	-	-
Ryan (MT)	-	-	-	31,478	-	-	-	-	-	-	-
Thompson Falls (MT)	-	-	-	25,142	-	-	-	-	-	-	-
Yellowstone (MT)	-	5	-	-	-	-	-	-	-	-	-
Montana-Dakota Utilities Co	90,421	95	2,707	-	-	-	88	*	37	303	11
Coyote (ND)	26,541	95	-	-	-	-	27	*	-	248	8
Glendive (MT)	-	-	1,365	-	-	-	-	-	18	-	2
Heskett (ND)	43,137	-	-	-	-	-	40	-	-	41	-
Lewis & Clark (MT)	20,743	-	4	-	-	-	21	-	*	14	-
Miles City (MT)	-	-	1,345	-	-	-	-	-	19	-	2
Williston (ND)	-	-	-7	-	-	-	-	-	-	-	-
Montaup Electric Co (EU)	94,183	3,960	-	-	-	-	40	6	-	113	90
Somerset (MA)	94,183	3,960	-	-	-	-	40	6	-	113	90
Montezuma Mun Elec Lt & Pwr	-	-	-	-	-	-	-	-	-	-	*
Montezuma (IA)	-	-	-	-	-	-	-	-	-	-	*
Moon Lake Electric Assn, Inc	-	-	-	1,074	-	-	-	-	-	-	-
Uintah (UT)	-	-	-	728	-	-	-	-	-	-	-
Yellowstone (UT)	-	-	-	346	-	-	-	-	-	-	-
Moorhead Public Service Dept	-	-	-	-	-	-	-	-	-	2	1
Moorhead (MN)	-	-	-	-	-	-	-	-	-	2	1
Moose Lake Public Util Comm	-	3	-	-	-	-	-	*	-	-	*
Moose Lake (MN)	-	3	-	-	-	-	-	*	-	-	*
Mora Municipal Electric Utility	-	-	-	-	-	-	-	-	-	-	-
Mora (MN)	-	-	-	-	-	-	-	-	-	-	-
Morgan City City Of	-	-	5,966	-	-	-	-	-	75	-	-
Morgan City (LA)	-	-	5,966	-	-	-	-	-	75	-	-
Morrisville Water & Light Dept	-	-	-	654	-	-	-	-	-	-	-
Cadys Falls (VT)	-	-	-	376	-	-	-	-	-	-	-
Morrisville (VT)	-	-	-	273	-	-	-	-	-	-	-
W K Sanders (VT)	-	-	-	5	-	-	-	-	-	-	-
Mount Pleasant Mun Utils	-	2	-	-	-	-	-	*	-	-	*
Mt Pleasant (IA)	-	2	-	-	-	-	-	*	-	-	*
Mount Pleasant Municipal	-	-	-	175	-	-	-	-	-	-	-
Lower (UT)	-	-	-	69	-	-	-	-	-	-	-
Upper (UT)	-	-	-	106	-	-	-	-	-	-	-
Mountain Lake Municipal Util	-	-	-	-	-	-	-	-	-	-	*
Mountain Lake (MN)	-	-	-	-	-	-	-	-	-	-	*
Mullen, Village Of	-	2	-	-	-	-	-	*	-	-	*
Mullen (NE)	-	2	-	-	-	-	-	*	-	-	*
Mulvane City Of	-	-	-	-	-	-	-	-	-	-	*
Mulvane (KS)	-	-	-	-	-	-	-	-	-	-	*
Murray City Corporation	-	10	27	234	-	-	-	*	*	-	*

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Murray City Corporation											
Diesel (UT)	-	10	27	-	-	-	-	*	*	-	*
Little Cottonwood (UT)	-	-	-	234	-	-	-	-	-	-	-
Muscataine City Of	89,424	-	101	-	-	-	43	*	1	220	3
Muscataine (IA)	89,424	-	101	-	-	-	43	*	1	220	3
Muscoda Light & Water Comm	-	-	-	-	-	-	-	-	-	-	-
Muscoda (WI)	-	-	-	-	-	-	-	-	-	-	-
Naknek Electric Assn, Inc	-	1,349	-	-	-	-	-	2	-	-	30
Naknek (AK)	-	1,349	-	-	-	-	-	2	-	-	30
Nantahala Power & Light Co	-	-	-	34,314	-	-	-	-	-	-	-
Bear Creek (NC)	-	-	-	1,034	-	-	-	-	-	-	-
Bryson (NC)	-	-	-	199	-	-	-	-	-	-	-
Cedar Cliff (NC)	-	-	-	1,016	-	-	-	-	-	-	-
Dillsboro (NC)	-	-	-	26	-	-	-	-	-	-	-
Franklin (NC)	-	-	-	-	-	-	-	-	-	-	-
Mission (NC)	-	-	-	206	-	-	-	-	-	-	-
Nantahala (NC)	-	-	-	22,537	-	-	-	-	-	-	-
Queens Creek (NC)	-	-	-	105	-	-	-	-	-	-	-
Tennessee Creek (NC)	-	-	-	356	-	-	-	-	-	-	-
Thorpe (NC)	-	-	-	7,972	-	-	-	-	-	-	-
Tuckasegee (NC)	-	-	-	863	-	-	-	-	-	-	-
Nantucket Electric Company	-	6,674	-	-	-	-	-	12	-	-	4
Nantucket (MA)	-	6,674	-	-	-	-	-	12	-	-	4
Natchitoches City Of	-	-	-	-	-	-	-	-	-	-	-
Natchitoches (LA)	-	-	-	-	-	-	-	-	-	-	-
Nebraska City Utilities	-	111	1,744	-	-	-	-	*	19	-	3
Nebraska City (NE)	-	95	1,493	-	-	-	-	*	16	-	3
Syracuse No 2 (NE)	-	16	251	-	-	-	-	*	3	-	*
Nebraska Public Power District ...	508,641	69	1,368	14,531	543,565	-	311	*	16	858	20
Columbus (NE)	-	-	-	6,160	-	-	-	-	-	-	-
Cooper (NE)	-	-	-	-	543,565	-	-	-	-	-	-
David City (NE)	-	8	18	-	-	-	-	*	*	-	*
Gentleman (NE)	448,689	-	1,120	-	-	-	273	-	13	772	7
Hallam (NE)	-	-	-	-	-	-	-	-	-	-	3
Hebron (NE)	-	-	-	-	-	-	-	-	-	-	4
Kearney (NE)	-	-	-	10	-	-	-	-	-	-	-
Lyons (NE)	-	7	-	-	-	-	-	*	-	-	*
Madison (NE)	-	5	7	-	-	-	-	*	*	-	*
Mc Cook (NE)	-	-	-	-	-	-	-	-	-	-	4
Minnechadua (NE)	-	-	-	7	-	-	-	-	-	-	-
Mobile (NE)	-	-	-	-	-	-	-	-	-	-	-
Monroe (NE)	-	-	-	868	-	-	-	-	-	-	-
North Platte (NE)	-	-	-	6,767	-	-	-	-	-	-	-
Ord (NE)	-	34	-	-	-	-	-	*	-	-	*
Randolph (NE)	-	-	-	-	-	-	-	-	-	-	*
Schuyler (NE)	-	-	63	-	-	-	-	-	1	-	*
Sheldon (NE)	59,952	-	145	-	-	-	38	-	2	86	-
Spencer (NE)	-	-	-	719	-	-	-	-	-	-	-
Sutherland (NE)	-	15	-	-	-	-	-	*	-	-	*
Wakefield (NE)	-	-	15	-	-	-	-	-	*	-	*
Neodesha City Of	-	6	18	-	-	-	-	*	*	-	*
Neodesha (KS)	-	6	18	-	-	-	-	*	*	-	*
Nevada Irrigation District	-	-	-	661	-	-	-	-	-	-	-
Combie No (CA)	-	-	-	80	-	-	-	-	-	-	-
Combie So (CA)	-	-	-	-	-	-	-	-	-	-	-
Scott Flat (CA)	-	-	-	581	-	-	-	-	-	-	-
Nevada Irrigation District	-	-	-	14,517	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Nevada Irrigation District											
Bowman (CA)	-	-	-	1,159	-	-	-	-	-	-	-
Chicago Park (CA)	-	-	-	5,125	-	-	-	-	-	-	-
Dutch Flat No.2 (CA)	-	-	-	3,254	-	-	-	-	-	-	-
Rollins (CA)	-	-	-	4,979	-	-	-	-	-	-	-
Nevada Power Company	340,088	6,317	58,178	-	-	-	155	10	718	447	189
Clark (NV)	-	31	41,806	-	-	-	-	-	513	-	97
Gardner, Reid (NV)	340,088	823	-	-	-	-	155	1	-	447	6
Sunrise (NV)	-	5,463	16,372	-	-	-	-	9	205	-	86
Westside (NV)	-	-	-	-	-	-	-	-	-	-	-
New England Power Co (NEES) ...	898,280	188,306	81,250	39,494	-	-	329	328	1,015	576	1,314
Bear Swamp (MA)	-	-	-	-17,266	-	-	-	-	-	-	-
Bellows Falls (VT)	-	-	-	10,620	-	-	-	-	-	-	-
Brayton Point (MA)	696,846	25,609	-	-	-	-	243	49	-	468	775
Comerford (NH)	-	-	-	8,285	-	-	-	-	-	-	-
Deerfield No. 2 (MA)	-	-	-	1,158	-	-	-	-	-	-	-
Deerfield No. 3 (MA)	-	-	-	1,315	-	-	-	-	-	-	-
Deerfield No. 4 (MA)	-	-	-	1,209	-	-	-	-	-	-	-
Deerfield No. 5 (MA)	-	-	-	2,389	-	-	-	-	-	-	-
Fife Brook (MA)	-	-	-	1,334	-	-	-	-	-	-	-
Gloucester (MA)	-	415	-	-	-	-	-	1	-	-	2
Harriman (VT)	-	-	-	5,194	-	-	-	-	-	-	-
Manchester Street (RI)	-	285	48,484	-	-	-	-	1	620	28	39
McIndoes (NH)	-	-	-	2,136	-	-	-	-	-	-	-
Moore (NH)	-	-	-	7,456	-	-	-	-	-	-	-
Newburyport (MA)	-	60	-	-	-	-	-	-	-	-	1
Salem Harbor (MA)	201,434	161,398	-	-	-	-	80	276	-	81	443
Searsburg (VT)	-	-	-	1,963	-	-	-	-	-	-	-
Sherman (MA)	-	-	-	1,245	-	-	-	-	-	-	-
South Street (RI)	-	539	32,766	-	-	-	-	1	395	-	55
Vernon (NH)	-	-	-	3,142	-	-	-	-	-	-	-
Vernon (VT)	-	-	-	3,018	-	-	-	-	-	-	-
Wilder (NH)	-	-	-	2,103	-	-	-	-	-	-	-
Wilder (VT)	-	-	-	4,193	-	-	-	-	-	-	-
New Hampton Mun Light Plant ...	-	18	243	-	-	-	-	*	2	-	*
New Hampton (IA)	-	18	243	-	-	-	-	*	2	-	*
New Lisbon Mun Electric Dept ...	-	6	16	-	-	-	-	*	*	-	*
New Lisbon (WI)	-	6	16	-	-	-	-	*	*	-	*
New Orleans Public Service											
(MSU)	-	8	199,646	-	-	-	-	*	2,218	-	-
Market Street (LA)	-	-	-	-	-	-	-	-	-	-	-
Michoud (LA)	-	-	199,646	-	-	-	-	-	2,218	-	-
Paterson, A B (LA)	-	8	-	-	-	-	-	*	-	-	-
New Prague Mun Utils Comm	-	20	157	-	-	-	-	*	2	-	*
New Prague (MN)	-	20	157	-	-	-	-	*	2	-	*
New Roads Light & Water Plant ..	-	-	-	-	-	-	-	-	-	-	1
New Roads (LA)	-	-	-	-	-	-	-	-	-	-	1
New Smyrna Beach City Of	-	484	1,430	-	-	-	-	1	16	-	2
Causeway (FL)	-	-	-	-	-	-	-	-	-	-	-
Glencoe Road (FL)	-	-	-	-	-	-	-	-	-	-	-
New Smyra (FL)	-	320	-	-	-	-	-	1	-	-	1
W E Swoope (FL)	-	164	1,430	-	-	-	-	*	16	-	1
New Ulm Pub Utils Comm	2,924	-	5,678	-	-	-	4	-	141	4	4
New Ulm (MN)	2,924	-	5,678	-	-	-	4	-	141	4	4
New York State Elec & Gas Corp	864,689	1,302	-	13,053	-	-	356	2	-	842	8
Cadyville (NY)	-	-	-	1,013	-	-	-	-	-	-	-
Goudey (NY)	75,692	150	-	-	-	-	33	*	-	64	1
Greenidge (NY)	63,992	783	-	-	-	-	26	1	-	149	1

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
New York State Elec & Gas Corp											
Harris Lake (NY)	-	-4	-	-	-	-	-	-	-	-	-
Hickling (NY)	45,618	-	-	-	-	-	28	-	-	86	-
High Falls (NY)	-	-	-	3,453	-	-	-	-	-	-	-
Jennison (NY)	29,092	-	-	-	-	-	21	-	-	71	-
Kents Falls (NY)	-	-	-	2,265	-	-	-	-	-	-	-
Keuka (NY)	-	-	-	-	-	-	-	-	-	-	-
Mechanicville (NY)	-	-	-	4,410	-	-	-	-	-	-	-
Mill "C" (NY)	-	-	-	958	-	-	-	-	-	-	-
Milliken (NY)	192,830	201	-	-	-	-	75	*	-	204	2
Rainbow Falls (NY)	-	-	-	916	-	-	-	-	-	-	-
Seneca Falls (NY)	-	-	-	12	-	-	-	-	-	-	-
Somerset (NY)	457,465	172	-	-	-	-	172	*	-	268	3
Waterloo (NY)	-	-	-	26	-	-	-	-	-	-	-
Newberry Wtr & Lt Board	-	-	-	-	-	-	-	-	-	-	*
Newberry (MI)	-	-	-	-	-	-	-	-	-	-	*
Newport Electric Corporation	-	83	-	-	-	-	-	*	-	-	2
Eldred (RI)	-	70	-	-	-	-	-	*	-	-	1
Jepson (RI)	-	13	-	-	-	-	-	*	-	-	1
Niagara Mohawk Power Corp	781,519	366,523	240,988	146,808	208,465	-	304	615	2,688	369	2,788
Albany (NY)	-	-	197,530	-	-	-	-	-	2,113	-	452
Allens Falls (NY)	-	-	-	150	-	-	-	-	-	-	-
Bakers Falls (NY)	-	-	-	-	-	-	-	-	-	-	-
Baldwinsville (NY)	-	-	-	1	-	-	-	-	-	-	-
Beardslee (NY)	-	-	-	1,324	-	-	-	-	-	-	-
Beebee Island (NY)	-	-	-	2,225	-	-	-	-	-	-	-
Belfort (NY)	-	-	-	817	-	-	-	-	-	-	-
Bennetts Bridge (NY)	-	-	-	4,990	-	-	-	-	-	-	-
Black River (NY)	-	-	-	1,899	-	-	-	-	-	-	-
Blake (NY)	-	-	-	2,591	-	-	-	-	-	-	-
Brown's Falls (NY)	-	-	-	950	-	-	-	-	-	-	-
Chasm (NY)	-	-	-	1,561	-	-	-	-	-	-	-
Colton (NY)	-	-	-	11,587	-	-	-	-	-	-	-
Deferiet (NY)	-	-	-	2,105	-	-	-	-	-	-	-
Dunkirk (NY)	360,380	349	-	-	-	-	135	*	-	239	1
Eagle (NY)	-	-	-	2,159	-	-	-	-	-	-	-
East Norfolk (NY)	-	-	-	1,424	-	-	-	-	-	-	-
Eel Weir (NY)	-	-	-	174	-	-	-	-	-	-	-
Effley (NY)	-	-	-	1,043	-	-	-	-	-	-	-
Elmer (NY)	-	-	-	665	-	-	-	-	-	-	-
Ephratah (NY)	-	-	-	508	-	-	-	-	-	-	-
Feeder Dam (NY)	-	-	-	1,661	-	-	-	-	-	-	-
Five Falls (NY)	-	-	-	4,299	-	-	-	-	-	-	-
Flat Rock (NY)	-	-	-	-	-	-	-	-	-	-	-
Franklin (NY)	-	-	-	309	-	-	-	-	-	-	-
Fulton (NY)	-	-	-	158	-	-	-	-	-	-	-
Glenwood (NY)	-	-	-	472	-	-	-	-	-	-	-
Granby (NY)	-	-	-	1,444	-	-	-	-	-	-	-
Green Island (NY)	-	-	-	1,381	-	-	-	-	-	-	-
Hannawa (NY)	-	-	-	3,010	-	-	-	-	-	-	-
Herrings (NY)	-	-	-	949	-	-	-	-	-	-	-
Heuvelton (NY)	-	-	-	102	-	-	-	-	-	-	-
High Dam (NY)	-	-	-	1,546	-	-	-	-	-	-	-
High Falls (NY)	-	-	-	1,996	-	-	-	-	-	-	-
Higley (NY)	-	-	-	1,634	-	-	-	-	-	-	-
Hogansburg (NY)	-	-	-	119	-	-	-	-	-	-	-
Huntley, C R (NY)	421,139	3	-	-	-	-	169	1	-	130	1
Hydraulic Race (NY)	-	-	-	1,736	-	-	-	-	-	-	-
Inghams (NY)	-	-	-	988	-	-	-	-	-	-	-
Johnsonville (NY)	-	-	-	285	-	-	-	-	-	-	-
Kamargo (NY)	-	-	-	-3	-	-	-	-	-	-	-
Lighthouse Hill (NY)	-	-	-	1,083	-	-	-	-	-	-	-
Macomb (NY)	-	-	-	324	-	-	-	-	-	-	-
Mechanicville (NY)	-	-	-	-	-	-	-	-	-	-	-
Middle Falls (NY)	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Niagara Mohawk Power Corp											
Minetto (NY)	-	-	-	1,240	-	-	-	-	-	-	-
Moreau (NY)	-	-	-	653	-	-	-	-	-	-	-
Moshier (NY)	-	-	-	3,218	-	-	-	-	-	-	-
Nine Mile Point (NY)	-	6	-	-	208,465	-	-	-	-	-	2
Norfolk (NY)	-	-	-	1,532	-	-	-	-	-	-	-
Norwood (NY)	-	-	-	800	-	-	-	-	-	-	-
Oak Orchard (NY)	-	-	-	177	-	-	-	-	-	-	-
Oswegatchie (NY)	-	-	-	83	-	-	-	-	-	-	-
Oswego (NY)	-	366,165	40,206	-	-	-	-	613	517	-	2,332
Oswego Falls Es (NY)	-	-	-	1,619	-	-	-	-	-	-	-
Oswego Falls Ws (NY)	-	-	-	1	-	-	-	-	-	-	-
Parishville (NY)	-	-	-	566	-	-	-	-	-	-	-
Piercefield (NY)	-	-	-	427	-	-	-	-	-	-	-
Prospect (NY)	-	-	-	2,604	-	-	-	-	-	-	-
Rainbow (NY)	-	-	-	497	-	-	-	-	-	-	-
Raymondville (NY)	-	-	-	800	-	-	-	-	-	-	-
Rotterdam (NY)	-	-	3,252	-	-	-	-	-	58	-	-
Schaghticoke (NY)	-	-	-	2,992	-	-	-	-	-	-	-
School Street (NY)	-	-	-	6,890	-	-	-	-	-	-	-
Schuylerville (NY)	-	-	-	184	-	-	-	-	-	-	-
Sewalls (NY)	-	-	-	805	-	-	-	-	-	-	-
Sherrman Island (NY)	-	-	-	10,035	-	-	-	-	-	-	-
So Glens Falls (NY)	-	-	-	1,319	-	-	-	-	-	-	-
Soft Maple (NY)	-	-	-	2,335	-	-	-	-	-	-	-
South Colton (NY)	-	-	-	3,451	-	-	-	-	-	-	-
South Edwards (NY)	-	-	-	229	-	-	-	-	-	-	-
Spier Falls (NY)	-	-	-	12,725	-	-	-	-	-	-	-
Stark (NY)	-	-	-	3,578	-	-	-	-	-	-	-
Stewarts Bridge (NY)	-	-	-	10,344	-	-	-	-	-	-	-
Stuyvesant Falls (NY)	-	-	-	-3	-	-	-	-	-	-	-
Sugar Island (NY)	-	-	-	2,141	-	-	-	-	-	-	-
Taylorville (NY)	-	-	-	1,513	-	-	-	-	-	-	-
Trenton (NY)	-	-	-	4,750	-	-	-	-	-	-	-
Union (NY)	-	-	-	-	-	-	-	-	-	-	-
Varick (NY)	-	-	-	940	-	-	-	-	-	-	-
Waterport (NY)	-	-	-	773	-	-	-	-	-	-	-
West, E J (NY)	-	-	-	7,661	-	-	-	-	-	-	-
Yaleville (NY)	-	-	-	273	-	-	-	-	-	-	-
Niles Board Of Public Works											
Niles (MI)	-	-	-	262	-	-	-	-	-	-	-
Nodak Rural Elec Coop Inc											
Mobilis (ND)	-	-	-	-	-	-	-	-	-	-	-
Nome Light And Power Utilities											
Snake River (AK)	-	2,000	-	-	-	-	-	3	-	-	1
	-	2,000	-	-	-	-	-	3	-	-	1
North American Hydro Inc											
Wautoma (WI)	-	-	-	64	-	-	-	-	-	-	-
	-	-	-	64	-	-	-	-	-	-	-
North Branch Lt & Pwr Comm											
North Branch (MN)	-	-	-	-	-	-	-	-	-	-	-
North Central Power Co Inc											
Arpin (WI)	-	-	-	1,248	-	-	-	-	-	-	-
	-	-	-	793	-	-	-	-	-	-	-
Radisson (WI)	-	-	-	137	-	-	-	-	-	-	-
Winter (WI)	-	-	-	318	-	-	-	-	-	-	-
North Counties Hydro Elec Co											
Dayton (IL)	-	-	-	924	-	-	-	-	-	-	-
	-	-	-	924	-	-	-	-	-	-	-
North Little Rock City Of											
Murray (AR)	-	-	-	4,887	-	-	-	-	-	-	-
	-	-	-	4,887	-	-	-	-	-	-	-
Northeast Missouri Elec Pwr											
Coop	-	-	-	-	-	-	-	-	-	-	-
South River Station (MO)	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Northeast Nuclear Energy Co	-	-	-	-	1,411,630	-	-	-	-	-	-
Millstone (CT)	-	-	-	-	1,411,630	-	-	-	-	-	-
Northern Indiana Public Serv Co	1,126,848	32,701	36,027	5,945	-	-	561	-	406	818	-
Bailey (IN)	255,702	-	732	-	-	-	118	-	11	132	-
Michigan City (IN)	243,191	-	19,700	-	-	-	111	-	205	109	-
Mitchell, Dean H (IN)	90,539	-	14,194	-	-	-	52	-	156	141	-
Norway (IN)	-	-	-	2,456	-	-	-	-	-	-	-
Oakdale (IN)	-	-	-	3,489	-	-	-	-	-	-	-
Schahfer, R. M. (IN)	537,416	32,701	1,401	-	-	-	280	-	33	437	-
Northern States Power Co	1,570,713	54,860	22,746	108,537	770,351	25,528	1,065	27	735	1,476	147
Apple River (WI)	-	-	-	-3	-	-	-	-	-	-	-
Bay Front (WI)	3,973	-	4,325	-	-	7,867	4	-	74	2	-
Big Falls (WI)	-	-	-	3,886	-	-	-	-	-	-	-
Black Dog (MN)	74,092	-	7,188	-	-	-	52	-	88	68	-
Blue Lake (MN)	-	1,941	-	-	-	-	-	5	-	-	16
Cedar Falls (WI)	-	-	-	2,529	-	-	-	-	-	-	-
Chippewa Falls (WI)	-	-	-	9,136	-	-	-	-	-	-	-
Cornell (WI)	-	-	-	12,484	-	-	-	-	-	-	-
Dells (WI)	-	-	-	4,705	-	-	-	-	-	-	-
Flambeau (WI)	-	-	942	-	-	-	-	-	15	-	4
French Island (WI)	-	1,188	6	-	-	3,652	-	3	-	-	35
Granite City (MN)	-	-	2,407	-	-	-	-	-	436	-	2
Hayward (WI)	-	-	-	127	-	-	-	-	-	-	-
Hennepin Island (MN)	-	-	-	6,225	-	-	-	-	-	-	-
High Bridge (MN)	82,177	-	2,881	-	-	-	70	-	40	76	1
Holcombe (WI)	-	-	-	14,269	-	-	-	-	-	-	-
Holland (MN)	-	-	-	-	-	10	-	-	-	-	-
Inver Hills (MN)	-	3,202	-	-	-	-	-	8	-	-	35
Jim Falls (WI)	-	-	-	21,297	-	-	-	-	-	-	-
Key City (MN)	-	63	486	-	-	-	-	-	9	-	3
King (MN)	209,911	41,750	36	-	-	3,505	122	-	2	216	-
Ladysmith (WI)	-	-	-	1,415	-	-	-	-	-	-	-
Lower Dam (MN)	-	-	-	-	-	-	-	-	-	-	-
Menomonie (WI)	-	-	-	1,537	-	-	-	-	-	-	-
Minnesota Valley (MN)	-124	-	-	-	-	-	-	-	-	13	-
Monticello (MN)	-	-	-	-	313,262	-	-	-	-	-	-
Pathfinder (SD)	-	-	3,819	-	-	-	-	-	59	-	-
Prairie Island (MN)	-	-	-	-	457,089	-	-	-	-	-	-
Redwing (MN)	-	-	189	-	-	9,393	-	-	3	-	-
Riverdale (WI)	-	-	-	209	-	-	-	-	-	-	-
Riverside (MN)	105,422	2,794	12	-	-	-	63	-	-	102	2
Saxon Falls (MI)	-	-	-	-2	-	-	-	-	-	-	-
Sherburne County (MN)	1,095,262	337	-	-	-	-	753	1	-	999	4
St Croix Falls (WI)	-	-	-	8,804	-	-	-	-	-	-	-
Superior Falls (MI)	-	-	-	1,168	-	-	-	-	-	-	-
Thornapple (WI)	-	-	-	805	-	-	-	-	-	-	-
Trego (WI)	-	-	-	663	-	-	-	-	-	-	-
West Faribault (MN)	-	-	430	-	-	-	-	-	7	-	-
Wheaton (WI)	-	3,585	-	-	-	-	-	9	-	-	45
White River (WI)	-	-	-	500	-	-	-	-	-	-	-
Wilmarth (MN)	-	-	25	-	-	1,101	-	-	1	-	-
Wissota (WI)	-	-	-	18,783	-	-	-	-	-	-	-
Northway Power & Light Inc	-	110	-	-	-	-	-	-	-	-	-
Northway (AK)	-	110	-	-	-	-	-	-	-	-	-
Northwestern Public Service											
Company	-	227	593	-	-	-	-	1	9	-	24
Aberdeen (SD)	-	199	-	-	-	-	-	1	-	-	10
Armour (SD)	-	-7	-	-	-	-	-	-	-	-	-
Chamberlain (SD)	-	-5	-	-	-	-	-	-	-	-	-
Clark (SD)	-	-4	-	-	-	-	-	-	-	-	-
Faulkton (SD)	-	-4	-	-	-	-	-	-	-	-	-
Highmore (SD)	-	6	-	-	-	-	-	-	-	-	1
Huron (SD)	-	-	258	-	-	-	-	-	5	-	10
Mobile (SD)	-	-1	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Northwestern Public Service											
Company											
Redfield (SD)	-	3	44	-	-	-	-	*	1	-	1
Webster (SD)	-	-6	-	-	-	-	-	*	-	-	*
Yankton New (SD)	-	57	291	-	-	-	-	*	3	-	1
Yankton Old (SD)	-	-11	-	-	-	-	-	*	-	-	*
Northwestern Wisconsin Elec Co											
Balsam Lake (WI)	-	24	-	545	-	-	-	*	-	-	3
Black Brook (WI)	-	-	-	-	-	-	-	-	-	-	-
Clam Falls (WI)	-	-	-	11	-	-	-	-	-	-	-
Clam River Dam (WI)	-	-	-	19	-	-	-	-	-	-	-
Danbury (WI)	-	-5	-	286	-	-	-	-	-	-	-
Frederic (WI)	-	14	-	229	-	-	-	*	-	-	2
Grantsburg (WI)	-	15	-	-	-	-	-	*	-	-	*
Northwood City Of Mun Lt & Pwr											
Northwood (ND)	-	-	-	-	-	-	-	-	-	-	-
Norton City Of											
Norton (KS)	-	6	9	-	-	-	-	*	1	-	1
	-	6	9	-	-	-	-	*	1	-	1
Norway Electric Light Dept											
Norway (MI)	-	-	-	1,849	-	-	-	-	-	-	-
	-	-	-	1,849	-	-	-	-	-	-	-
Norwich Dept Of Pub Utils											
North Main (CT)	-	71	-	433	-	-	-	*	-	-	3
Occum (CT)	-	71	-	-	-	-	-	*	-	-	3
10Th Street (CT)	-	-	-	57	-	-	-	-	-	-	-
2Nd Street (CT)	-	-	-	163	-	-	-	-	-	-	-
	-	-	-	213	-	-	-	-	-	-	-
Nushagak Electric Coop, Inc											
Dillingham (AK)	-	1,076	-	-	-	-	-	2	-	-	23
	-	1,076	-	-	-	-	-	2	-	-	23
Oakdale & South San Joaquin											
Beardsley (CA)	-	-	-	36,939	-	-	-	-	-	-	-
Donnels (CA)	-	-	-	2,945	-	-	-	-	-	-	-
Sand Bar (CA)	-	-	-	18,886	-	-	-	-	-	-	-
Tulloch (CA)	-	-	-	5,529	-	-	-	-	-	-	-
	-	-	-	9,579	-	-	-	-	-	-	-
Oakely City											
Oakely (KS)	-	-	-	-	-	-	-	-	-	-	-
Oberlin City Of											
Oberlin (KS)	-	-	-	-	-	-	-	-	-	-	-
Oberlin Mun Lt Pwr System											
Oberlin (OH)	-	20	136	-	-	-	-	*	1	-	*
	-	20	136	-	-	-	-	*	1	-	*
Oconto Electric Coop											
Stiles (WI)	-	-	-	561	-	-	-	-	-	-	-
	-	-	-	561	-	-	-	-	-	-	-
Odessa City Of											
Odessa (MO)	-	75	1,319	-	-	-	-	*	16	-	1
	-	75	1,319	-	-	-	-	*	16	-	1
Ogden Municipal Utilities											
Ogden (IA)	-	12	-	-	-	-	-	*	-	-	1
	-	12	-	-	-	-	-	*	-	-	1
Oglethorpe Power Corporation											
Tallassee (GA)	-	-	-	353	-	-	-	-	-	-	-
	-	-	-	353	-	-	-	-	-	-	-
Ohio Edison Company											
Burger, R E (OH)	1,506,038	2,880	-	-	-	-	647	6	-	1,215	36
Edgewater (OH)	233,643	190	-	-	-	-	114	*	-	173	2
Gorge Steam (OH)	40,490	325	-	-	-	-	21	1	-	28	9
Mad River (OH)	9,424	71	-	-	-	-	5	*	-	25	*
Niles (OH)	-	388	-	-	-	-	-	1	-	-	14
Sammis (OH)	55,200	275	-	-	-	-	25	1	-	104	6
	1,125,404	1,494	-	-	-	-	457	3	-	821	3

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Ohio Edison Company											
Toronto (OH)	41,877	137	-	-	-	-	25	*	-	64	*
West Lorain (OH)	-	-	-	-	-	-	-	-	-	-	-
Ohio Power Co (AEP)	2,122,788	7,049	-	11,972	-	-	903	10	-	3,458	80
Gavin, Gen J M (OH)	955,678	3,465	-	-	-	-	413	5	-	1,380	34
Kammer (WV)	397,127	592	-	-	-	-	159	1	-	374	2
Mitchell (WV)	405,539	1,782	-	-	-	-	171	3	-	747	38
Muskingum River (OH)	364,444	1,210	-	-	-	-	160	2	-	954	7
Racine (OH)	-	-	-	11,972	-	-	-	-	-	-	-
Ohio Valley Electric Corporation ..	708,571	89	-	-	-	-	303	*	-	627	3
Kyger Creek (OH)	708,571	89	-	-	-	-	303	*	-	627	3
Oklahoma Gas & Electric Co	956,189	1,658	898,731	-	-	-	559	3	9,298	1,334	400
Arbuckle (OK)	-	-	-	-	-	-	-	-	-	-	-
Enid (OK)	-	-	210	-	-	-	-	-	4	-	-
Horseshoe Lake (OK)	-	650	211,251	-	-	-	-	1	2,209	-	81
Muskogee (OK)	501,804	302	63,136	-	-	-	295	1	682	919	45
Mustang (OK)	-	-	102,844	-	-	-	-	-	1,102	-	16
Seminole (OK)	-	18	521,272	-	-	-	-	*	5,301	-	244
Sooner (OK)	454,385	681	-	-	-	-	264	1	-	416	13
Woodward (OK)	-	7	18	-	-	-	-	*	*	-	1
Omaha Public Power District	245,061	240	10,292	-	271,513	-	166	1	133	585	21
Fort Calhoun (NE)	-	-	-	-	271,513	-	-	-	-	-	-
Jones Street (NE)	-	119	-	-	-	-	-	1	-	-	11
Nebraska City (NE)	75,241	121	-	-	-	-	50	*	-	295	3
North Omaha (NE)	169,820	-	6,586	-	-	-	116	-	77	290	-
Sarpy (NE)	-	-	3,706	-	-	-	-	-	56	-	6
Onawa City Of Municipal Lt & Pwr	-	-	-	-	-	-	-	-	-	-	-
Onawa (IA)	-	-	-	-	-	-	-	-	-	-	-
Opelousas Elec Lt & Wtr Works Plant	-	-	-	-	-	-	-	-	-	-	-
Opelousas (LA)	-	-	-	-	-	-	-	-	-	-	-
Orange And Rockland Utilities, Inc	197,489	9,047	331,893	14,225	-	-	82	15	3,286	47	826
Bowline Point (NY)	-	9,030	302,110	-	-	-	-	15	2,969	-	746
Grahamsville (NY)	-	-	-	10,816	-	-	-	-	-	-	-
Hillburn (NY)	-	-	16	-	-	-	-	-	-	-	3
Lovett (NY)	197,489	9	28,543	-	-	-	82	*	298	47	74
Mongaup (NY)	-	-	-	870	-	-	-	-	-	-	-
Rio (NY)	-	-	-	1,529	-	-	-	-	-	-	-
Shoemaker (NY)	-	8	1,224	-	-	-	-	*	19	-	2
Swinging Bridge 1 (NY)	-	-	-	420	-	-	-	-	-	-	-
Swinging Bridge 2 (NY)	-	-	-	590	-	-	-	-	-	-	-
Orange City Municipal Light Plant	-	-	-	-	-	-	-	-	-	-	2
Orange City (IA)	-	-	-	-	-	-	-	-	-	-	2
Orcas Power & Light Company ...	-	-	-	-	-	-	-	-	-	-	-
Eastsound (WA)	-	-	-	-	-	-	-	-	-	-	-
Oregon Trail Elec Coop	-	-	-	243	-	-	-	-	-	-	-
Rock Creek (OR)	-	-	-	243	-	-	-	-	-	-	-
Orlando Utilities Commission	279,885	94,888	57,232	-	-	-	108	158	606	152	242
Indian River (FL)	-	94,519	57,232	-	-	-	-	158	606	-	237
Stanton (FL)	279,885	369	-	-	-	-	108	1	-	152	5
Oroville Wyandotte Irrig Dist	-	-	-	27,253	-	-	-	-	-	-	-
Forbestown (CA)	-	-	-	6,962	-	-	-	-	-	-	-
Kelly Ridge (CA)	-	-	-	4,690	-	-	-	-	-	-	-
Sly Creek (CA)	-	-	-	2,223	-	-	-	-	-	-	-
Woodleaf (CA)	-	-	-	13,378	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Orrville Mun Utilities	23,424	-	71	-	-	-	14	-	1	7	-
Orrville (OH)	23,424	-	71	-	-	-	14	-	1	7	-
Osage Mun Utilities	-	71	706	-	-	-	-	*	8	-	*
Osage (KS)	-	71	706	-	-	-	-	*	8	-	*
Osage Municipal Utilities	-	76	-	-	-	-	-	*	-	-	1
Osage (IA)	-	76	-	-	-	-	-	*	-	-	1
Osborne City Of	-	5	61	-	-	-	-	*	1	-	*
Osborne (KS)	-	5	61	-	-	-	-	*	1	-	*
Osceola City Of	-	-	-	-	-	-	-	-	-	-	-
Osceola (AR)	-	-	-	-	-	-	-	-	-	-	-
Oswatomie City Of	-	45	-	-	-	-	-	*	-	-	*
Oswatomie (KS)	-	45	-	-	-	-	-	*	-	-	*
Ottawa Water & Light Dept	-	57	257	-	-	-	-	*	3	-	1
Ottawa (KS)	-	57	257	-	-	-	-	*	3	-	1
Otter Tail Power Company	255,278	258	-	648	-	-	232	1	-	270	25
Bemidji (MN)	-	-	-	-	-	-	-	-	-	-	-
Big Stone (SD)	231,109	19	-	-	-	-	217	*	-	258	8
Dayton Hollow (MN)	-	-	-	249	-	-	-	-	-	-	-
Hoot Lake (MN)	24,169	173	-	103	-	-	16	*	-	12	*
Jamestown (ND)	-	60	-	-	-	-	-	*	-	-	13
Lake Preston (SD)	-	6	-	-	-	-	-	*	-	-	5
Pisgah (MN)	-	-	-	82	-	-	-	-	-	-	-
Port 148 (MN)	-	-	-	-	-	-	-	-	-	-	-
Taplin Gorge (MN)	-	-	-	158	-	-	-	-	-	-	-
Wright (MN)	-	-	-	56	-	-	-	-	-	-	-
Ottumwa Wtr Wrks & Hydro El Pl	-	-	-	895	-	-	-	-	-	-	-
Ottumwa (IA)	-	-	-	895	-	-	-	-	-	-	-
Owatonna Municipal Public	-	-	321	-	-	-	-	-	5	-	-
Utilities	-	-	321	-	-	-	-	-	5	-	-
Owatonna (MN)	-	-	-	-	-	-	-	-	-	-	-
Owensboro Municipal Utilities	189,992	462	-	-	-	-	89	1	-	95	1
Elmer Smith (KY)	189,992	462	-	-	-	-	89	1	-	95	1
Owensville Municipal Utilities	-	167	-	-	-	-	-	*	-	-	*
Owensville (MO)	-	167	-	-	-	-	-	*	-	-	*
Oxford Mun Lt & Pwr Plant	-	36	-	-	-	-	-	*	-	-	*
Oxford (NE)	-	36	-	-	-	-	-	*	-	-	*
Pacific Gas & Electric Company ..	-	26,793	2,171,003	627,018	1,536,164	588,139	-	46	21,433	-	6,998
* Central Storage *	-	-	-	-	-	-	-	-	-	-	84
Alta (CA)	-	-	-	85	-	-	-	-	-	-	-
Angels (CA)	-	-	-	357	-	-	-	-	-	-	-
Balch 1 (CA)	-	-	-	-12	-	-	-	-	-	-	-
Balch 2 (CA)	-	-	-	1,661	-	-	-	-	-	-	-
Belden (CA)	-	-	-	37,316	-	-	-	-	-	-	-
Black, James B (CA)	-	-	-	38,183	-	-	-	-	-	-	-
Bucks Creek (CA)	-	-	-	6,415	-	-	-	-	-	-	-
Butt Valley (CA)	-	-	-	17,566	-	-	-	-	-	-	-
Caribou 1 (CA)	-	-	-	3,366	-	-	-	-	-	-	-
Caribou 2 (CA)	-	-	-	58,362	-	-	-	-	-	-	-
Centerville (CA)	-	-	-	1,111	-	-	-	-	-	-	-
Chili Bar (CA)	-	-	-	1,677	-	-	-	-	-	-	-
Coal Canyon (CA)	-	-	-	423	-	-	-	-	-	-	-
Coleman (CA)	-	-	-	3,396	-	-	-	-	-	-	-
Contra Costa (CA)	-	15,276	223,411	-	-	-	-	25	2,220	-	415
Cow Creek (CA)	-	-	-	278	-	-	-	-	-	-	-
Crane Valley (CA)	-	-	-	42	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pacific Gas & Electric Company											
Cresta (CA)	-	-	-	18,780	-	-	-	-	-	-	-
De Sabla (CA)	-	-	-	2,361	-	-	-	-	-	-	-
Deer Creek (CA)	-	-	-	1,813	-	-	-	-	-	-	-
Diablo Canyon (CA)	-	-	-	-	1,536,164	-	-	-	-	-	-
Downieville (CA)	-	-5	-	-	-	-	-	-	-	-	-
Drum 1 (CA)	-	-	-	7,401	-	-	-	-	-	-	-
Drum 2 (CA)	-	-	-	7,255	-	-	-	-	-	-	-
Dutch Flat (CA)	-	-	-	2,846	-	-	-	-	-	-	-
El Dorado (CA)	-	-	-	2,215	-	-	-	-	-	-	-
Electra (CA)	-	-	-	29,845	-	-	-	-	-	-	-
Haas (CA)	-	-	-	1,540	-	-	-	-	-	-	-
Halsey (CA)	-	-	-	6,414	-	-	-	-	-	-	-
Hamilton Branch (CA)	-	-	-	526	-	-	-	-	-	-	-
Hat Creek 1 (CA)	-	-	-	2,089	-	-	-	-	-	-	-
Hat Creek 2 (CA)	-	-	-	3,106	-	-	-	-	-	-	-
Helms (CA)	-	-	-	4,953	-	-	-	-	-	-	-
Humbolt Bay (CA)	-	800	5,708	-	-	-	-	2	104	-	86
Hunters Point (CA)	-	39	94,478	-	-	-	-	-	1,084	-	326
Inskip (CA)	-	-	-	2,211	-	-	-	-	-	-	-
Kerckhoff (CA)	-	-	-	-14	-	-	-	-	-	-	-
Kerckhoff 2 (CA)	-	-	-	14,597	-	-	-	-	-	-	-
Kern (CA)	-	-	-112	-	-	-	-	-	-	-	-
Kern Canyon (CA)	-	-	-	-3	-	-	-	-	-	-	-
Kilarc (CA)	-	-	-	774	-	-	-	-	-	-	-
Kings River (CA)	-	-	-	-36	-	-	-	-	-	-	-
Lime Saddle (CA)	-	-	-	665	-	-	-	-	-	-	-
Merced Falls (CA)	-	-	-	89	-	-	-	-	-	-	-
Mobile Turbine (CA)	-	-	-	-	-	-	-	-	-	-	-
Morro Bay (CA)	-	1,689	336,034	-	-	-	-	3	3,359	-	1,287
Moss Landing (CA)	-	-	693,863	-	-	-	-	-	6,372	-	1,778
Murphys (CA)	-	-	-	881	-	-	-	-	-	-	-
Narrows (CA)	-	-	-	7,248	-	-	-	-	-	-	-
Newcastle (CA)	-	-	-	4,275	-	-	-	-	-	-	-
Oak Flat (CA)	-	-	-	413	-	-	-	-	-	-	-
Oakland (CA)	-	21	-	-	-	-	-	-	-	-	36
Phoenix (CA)	-	-	-	916	-	-	-	-	-	-	-
Pit 1 (CA)	-	-	-	17,415	-	-	-	-	-	-	-
Pit 3 (CA)	-	-	-	22,613	-	-	-	-	-	-	-
Pit 4 (CA)	-	-	-	28,951	-	-	-	-	-	-	-
Pit 5 (CA)	-	-	-	50,412	-	-	-	-	-	-	-
Pit 6 (CA)	-	-	-	17,899	-	-	-	-	-	-	-
Pit 7 (CA)	-	-	-	25,109	-	-	-	-	-	-	-
Pittsburg (CA)	-	723	722,448	-	-	-	-	1	7,357	-	2,674
Poe (CA)	-	-	-	29,978	-	-	-	-	-	-	-
Potrero (CA)	-	8,250	95,173	-	-	-	-	14	927	-	312
Potter Valley (CA)	-	-	-	6,067	-	-	-	-	-	-	-
PVUSA 1 (CA)	-	-	-	-	-	5	-	-	-	-	-
Rock Creek (CA)	-	-	-	28,646	-	-	-	-	-	-	-
Salt Springs (CA)	-	-	-	18,673	-	-	-	-	-	-	-
San Joaquin No. 1a (CA)	-	-	-	18	-	-	-	-	-	-	-
San Joaquin No. 2 (CA)	-	-	-	176	-	-	-	-	-	-	-
San Joaquin 3 (CA)	-	-	-	212	-	-	-	-	-	-	-
South (CA)	-	-	-	2,826	-	-	-	-	-	-	-
Spaulding No. 1 (CA)	-	-	-	1,003	-	-	-	-	-	-	-
Spaulding No. 2 (CA)	-	-	-	712	-	-	-	-	-	-	-
Spaulding No. 3 (CA)	-	-	-	2,757	-	-	-	-	-	-	-
Spring Gap (CA)	-	-	-	4,066	-	-	-	-	-	-	-
Stanislaus (CA)	-	-	-	27,195	-	-	-	-	-	-	-
The Geysers (CA)	-	-	-	-	-	588,134	-	-	-	-	-
Tiger Creek (CA)	-	-	-	27,849	-	-	-	-	-	-	-
Toadtown (CA)	-	-	-	-	-	-	-	-	-	-	-
Tule River (CA)	-	-	-	331	-	-	-	-	-	-	-
Volta (CA)	-	-	-	2,398	-	-	-	-	-	-	-
Volta 2 (CA)	-	-	-	288	-	-	-	-	-	-	-
West Point (CA)	-	-	-	7,611	-	-	-	-	-	-	-
Wise (CA)	-	-	-	9,027	-	-	-	-	-	-	-
Wishon, A G (CA)	-	-	-	750	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
PacifiCorp	4,572,073	6,064	393	217,067	-	12,699	2,562	11	5	5,586	106
American Fork (UT)	-	-	-	439	-	-	-	-	-	-	-
Ashton (ID)	-	-	-	1,975	-	-	-	-	-	-	-
Beaver Upper (UT)	-	-	-	226	-	-	-	-	-	-	-
Bend (OR)	-	-	-	431	-	-	-	-	-	-	-
Big Fork (MT)	-	-	-	2,010	-	-	-	-	-	-	-
Blundell (UT)	-	-	-	-	-	12,699	-	-	-	-	-
Bridger, Jim (WY)	1,361,252	1,309	-	-	-	-	744	2	-	722	10
Carbon (UT)	103,112	230	-	-	-	-	49	-	-	89	-
Centralia (WA)	698,065	1,576	-	-	-	-	450	3	-	1,614	4
Clearwater 1 (OR)	-	-	-	3,501	-	-	-	-	-	-	-
Clearwater 2 (OR)	-	-	-	2,286	-	-	-	-	-	-	-
Cline Falls (OR)	-	-	-	-	-	-	-	-	-	-	-
Condit (WA)	-	-	-	4,115	-	-	-	-	-	-	-
Copco 1 (CA)	-	-	-	921	-	-	-	-	-	-	-
Copco 2 (CA)	-	-	-	8,060	-	-	-	-	-	-	-
Cove (ID)	-	-	-	1,598	-	-	-	-	-	-	-
Cutler (UT)	-	-	-	112	-	-	-	-	-	-	-
Eagle Point (OR)	-	-	-	772	-	-	-	-	-	-	-
East Side (OR)	-	-	-	1,106	-	-	-	-	-	-	-
Fall Creek (CA)	-	-	-	991	-	-	-	-	-	-	-
Fish Creek (OR)	-	-	-	1,473	-	-	-	-	-	-	-
Ftn Green (UT)	-	-	-	41	-	-	-	-	-	-	-
Gadsby (UT)	-121	-	-46	-	-	-	-	-	-	-	-
Grace (ID)	-	-	-	9,765	-	-	-	-	-	-	-
Granite (UT)	-	-	-	227	-	-	-	-	-	-	-
Hale (UT)	-	-	-37	-	-	-	-	-	-	-	-
Hunter (emery) (UT)	805,314	696	-	-	-	-	353	1	-	1,618	6
Huntington Canyon (UT)	521,429	940	-	-	-	-	235	2	-	625	3
Hydro No. 1 (UT)	-	-	-	15	-	-	-	-	-	-	-
Hydro No. 2 (UT)	-	-	-	-	-	-	-	-	-	-	-
Hydro No. 3 (UT)	-	-	-	2	-	-	-	-	-	-	-
Iron Gate (CA)	-	-	-	8,135	-	-	-	-	-	-	-
John C Boyle (OR)	-	-	-	16,309	-	-	-	-	-	-	-
Johnston, Dave (WY)	452,707	996	-	-	-	-	326	2	-	292	3
Last Chance (UT)	-	-	-	604	-	-	-	-	-	-	-
Lemolo 1 (OR)	-	-	-	9,886	-	-	-	-	-	-	-
Lemolo 2 (OR)	-	-	-	12,066	-	-	-	-	-	-	-
Little Mountain (UT)	-	-	57	-	-	-	-	-	1	-	73
Merwin (WA)	-	-	-	37,274	-	-	-	-	-	-	-
Naches (WA)	-	-	-	2,898	-	-	-	-	-	-	-
Naches Drop (WA)	-	-	-	728	-	-	-	-	-	-	-
Naughton (WY)	398,151	245	419	-	-	-	235	-	4	625	1
Olmstead (UT)	-	-	-	-6	-	-	-	-	-	-	-
Oneida (ID)	-	-	-	3,185	-	-	-	-	-	-	-
Paris (ID)	-	-	-	58	-	-	-	-	-	-	-
Pioneer (UT)	-	-	-	1,078	-	-	-	-	-	-	-
Powerdale (OR)	-	-	-	1,102	-	-	-	-	-	-	-
Prospect 1 (OR)	-	-	-	-	-	-	-	-	-	-	-
Prospect 2 (OR)	-	-	-	14,838	-	-	-	-	-	-	-
Prospect 3 (OR)	-	-	-	771	-	-	-	-	-	-	-
Prospect 4 (OR)	-	-	-	-	-	-	-	-	-	-	-
Slide Creek (OR)	-	-	-	4,732	-	-	-	-	-	-	-
Snake Creek (UT)	-	-	-	145	-	-	-	-	-	-	-
Soda (ID)	-	-	-	1,473	-	-	-	-	-	-	-
Soda Springs (OR)	-	-	-	3,423	-	-	-	-	-	-	-
St Anthony (ID)	-	-	-	61	-	-	-	-	-	-	-
Stairs (UT)	-	-	-	337	-	-	-	-	-	-	-
Stayton (OR)	-	-	-	339	-	-	-	-	-	-	-
Swift No. 2 (WA)	-	-	-	5,798	-	-	-	-	-	-	-
Swift 1 (WA)	-	-	-	18,367	-	-	-	-	-	-	-
Toketee (OR)	-	-	-	1,442	-	-	-	-	-	-	-
Viva (WY)	-	-	-	14	-	-	-	-	-	-	-
Wallowa Falls (OR)	-	-	-	355	-	-	-	-	-	-	-
Weber (UT)	-	-	-	2,278	-	-	-	-	-	-	-
West Side (OR)	-	-	-	-1	-	-	-	-	-	-	-
Wyodak (WY)	232,164	72	-	-	-	-	170	-	-	-	6
Yale (WA)	-	-	-	24,312	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Painesville Mun Lt Plant	9,863	-	53	-	-	-	6	-	1	6	2
Painesville (OH)	9,863	-	53	-	-	-	6	-	1	6	2
Palmyra City Of Bd Of Pub											
Works	-	72	172	-	-	-	-	*	2	-	*
Palmyra (MO)	-	72	172	-	-	-	-	*	2	-	*
Paragould Light Plant Comm	-	-	-	-	-	-	-	-	-	-	-
Paragould (AR)	-	-	-	-	-	-	-	-	-	-	-
Paris Light & Power Dept	-	-	-	-	-	-	-	-	-	-	-
Paris (KY)	-	-	-	-	-	-	-	-	-	-	-
Park River Municipal Light Plant	-	-	-	-	-	-	-	-	-	-	-
Park River (ND)	-	-	-	-	-	-	-	-	-	-	-
Parowan City Corporation	-	-	-	196	-	-	-	-	-	-	-
Center Creek (UT)	-	-	-	138	-	-	-	-	-	-	-
Paragonah (UT)	-	-	-	58	-	-	-	-	-	-	-
Pasadena City Of Wtr & Pwr											
Dept	-	-	29,287	590	-	-	-	-	355	-	124
Azusa (CA)	-	-	-	590	-	-	-	-	-	-	-
Broadway (CA)	-	-	29,361	-	-	-	-	-	354	-	110
Glenarm (CA)	-	-	-74	-	-	-	-	-	1	-	14
Pattonsburg Mun Light Plant	-	-	-	-	-	-	-	-	-	-	-
Pattonsburg (MO)	-	-	-	-	-	-	-	-	-	-	-
Paulina Mun Light Plant	-	-	-	-	-	-	-	-	-	-	-
Paulina (IA)	-	-	-	-	-	-	-	-	-	-	-
Pawhuska Light & Water Plant	-	-	-	-	-	-	-	-	-	-	-
Pawhuska (OK)	-	-	-	-	-	-	-	-	-	-	-
Peabody Mun Light Plant	-	-	331	-	-	-	-	-	5	-	42
Warren St (MA)	-	-	-	-	-	-	-	-	-	-	38
Waters River (MA)	-	-	331	-	-	-	-	-	5	-	4
Pelican Utility Company	-	96	-	276	-	-	-	*	-	-	*
Pelican (AK)	-	96	-	276	-	-	-	*	-	-	*
Pella Municipal Power & Light	4,316	-	3,816	-	-	-	3	-	53	3	*
Pella (IA)	4,316	-	3,816	-	-	-	3	-	53	3	*
Pend Oreille County P U D No 1											
Box Canyon (WA)	-	-	-	33,199	-	-	-	-	-	-	-
Callispel Creek (WA)	-	-	-	33,037	-	-	-	-	-	-	-
	-	-	-	162	-	-	-	-	-	-	-
Pender Mun Light Plant	-	-	-	-	-	-	-	*	-	-	*
Pender (NE)	-	-	-	-	-	-	-	*	-	-	*
Pennsylvania Electric Co (GPS) ...	3,102,581	15,131	2,321	-487	-	-	1,227	22	36	3,218	72
Benton (PA)	-	89	-	-	-	-	-	*	-	-	1
Blossburg (PA)	-	-	420	-	-	-	-	-	6	-	-
Conemaugh (PA)	860,892	2,521	-	-	-	-	331	3	-	796	9
Deep Creek (MD)	-	-	-	1,941	-	-	-	-	-	-	-
Front Street (PA)	19,055	276	-	-	-	-	11	1	-	24	*
Homer City (PA)	754,360	1,976	-	-	-	-	285	3	-	1,375	11
Keystone (PA)	959,354	6,836	-	-	-	-	380	9	-	736	9
Piney (PA)	-	-	-	6,951	-	-	-	-	-	-	-
Seneca (PA)	-	-	-	-9,379	-	-	-	-	-	-	-
Seward (PA)	111,088	1,164	-	-	-	-	51	2	-	155	*
Shawville (PA)	377,024	1,566	-	-	-	-	158	2	-	106	12
Warren (PA)	20,996	94	1,901	-	-	-	11	*	30	22	10
Wayne (PA)	-	609	-	-	-	-	-	2	-	-	20
Williamsburg (PA)	-188	-	-	-	-	-	-	-	-	4	*

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stock (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Pennsylvania Power & Light Co	1,817,952	127,735	-	44,925	989,578	-	756	168	-	7,866	1,391
* Central Storage *	-	-	-	-	-	-	-	-	-	5,228	-
Allentown (PA)	-	928	-	-	-	-	-	3	-	-	5
Brunner Island (PA)	637,278	1,983	-	-	-	-	253	4	-	671	6
Fishbach (PA)	-	289	-	-	-	-	-	1	-	-	2
Harrisburg (PA)	-	966	-	-	-	-	-	3	-	-	4
Harwood (PA)	-	451	-	-	-	-	-	1	-	-	2
Holtwood (PA)	40,837	9,273	-	39,990	-	-	28	-	-	142	1
Jenkins (PA)	-	330	-	-	-	-	-	1	-	-	2
Loch Haven (PA)	-	263	-	-	-	-	-	1	-	-	2
Martins Creek (PA)	139,735	84,341	-	-	-	-	63	146	-	62	1,346
Montour (PA)	807,935	707	-	-	-	-	302	4	-	626	11
Sunbury (PA)	192,167	27,273	-	-	-	-	110	2	-	1,137	5
Susquehanna (PA)	-	-	-	-	989,578	-	-	-	-	-	-
Wallenpaupack (PA)	-	-	-	4,935	-	-	-	-	-	-	-
West Shore (PA)	-	443	-	-	-	-	-	1	-	-	2
Williamsport (PA)	-	488	-	-	-	-	-	1	-	-	2
Pennsylvania Power Co	1,373,495	3,087	-	-	-	-	593	5	-	1,341	55
Mansfield, Bruce (PA)	1,221,481	2,597	-	-	-	-	519	4	-	1,228	53
New Castle (PA)	152,014	490	-	-	-	-	74	1	-	113	1
Peru City Of Lt & Pwr Dept	3	1	-	-	-	-	*	*	-	1	*
Peru (IN)	3	1	-	-	-	-	*	*	-	1	*
Peru City Of Mun Pwr Plant	-	-9	-19	-	-	-	-	*	-	-	1
Peru (IL)	-	-9	-19	-	-	-	-	*	-	-	1
Petersburg Municipal Light & Power	-	11	-	627	-	-	-	*	-	-	*
Petersburg (AK)	-	11	-	627	-	-	-	*	-	-	*
Philadelphia Electric Company	158,706	87,446	9,100	12,139	1,871,552	-	77	165	90	176	485
* Central Storage *	-	-	-	-	-	-	-	-	-	-	18
Chester (PA)	-	278	-	-	-	-	-	1	-	-	6
Conowingo (MD)	-	-	-	74,346	-	-	-	-	-	-	-
Cromby (PA)	16,645	1,439	-	-	-	-	8	2	-	28	40
Croydon (PA)	-	5,097	-	-	-	-	-	11	-	-	76
Delaware (PA)	-	12,872	-	-	-	-	-	29	-	-	64
Eddystone (PA)	142,061	43,935	9,100	-	-	-	69	72	90	148	211
Falls (PA)	-	539	-	-	-	-	-	1	-	-	11
Limerick (PA)	-	-	-	-	773,252	-	-	-	-	-	-
Moser (PA)	-	354	-	-	-	-	-	1	-	-	10
Muddy Run (PA)	-	-	-	-62,207	-	-	-	-	-	-	-
Peach Bottom (PA)	-	-	-	-	1,098,300	-	-	-	-	-	-
Richmond (PA)	-	3,417	-	-	-	-	-	7	-	-	38
Schuylkill (PA)	-	19,005	-	-	-	-	-	38	-	-	5
Southwark (PA)	-	510	-	-	-	-	-	1	-	-	6
Piggott Public Improvement Dist	-	-	-	-	-	-	-	*	-	-	1
1	-	-	-	-	-	-	-	*	-	-	1
Piggott (AR)	-	-	-	-	-	-	-	*	-	-	1
Piqua Municipal Power System	9,698	97	-	-	-	-	7	*	-	1	3
Piqua (OH)	9,698	97	-	-	-	-	7	*	-	1	3
Placer County Water Agency	-	-	-	82,774	-	-	-	-	-	-	-
French Meadows (CA)	-	-	-	7,888	-	-	-	-	-	-	-
Hell Hole (WA)	-	-	-	301	-	-	-	-	-	-	-
Middle Fork (CA)	-	-	-	43,176	-	-	-	-	-	-	-
Oxbow (CA)	-	-	-	1,961	-	-	-	-	-	-	-
Ralston (CA)	-	-	-	29,448	-	-	-	-	-	-	-
Plains Elec Gen & Trans Coop, Inc	136,048	-	43	-	-	-	78	-	1	156	9
Algodones (NM)	-	-	-	-	-	-	-	-	-	-	-
Escalante (NM)	136,048	-	43	-	-	-	78	-	1	156	9

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Plainview Municipal Power Plant	-	-	-	-	-	-	-	-	-	-	*
Plainview (NE)	-	-	-	-	-	-	-	-	-	-	*
Plaquemine Lt & Wtr Plant	-	-	-	-	-	-	-	-	5	-	-
Plaquemine (LA)	-	-	-	-	-	-	-	-	5	-	-
Platte River Power Auth	164,129	124	-	-	-	-	97	*	-	207	3
Rawhide (CO)	164,129	124	-	-	-	-	97	*	-	207	3
Ponca City Mun Wtr & Lt Dept	-	8	9,684	-	-	-	-	*	126	-	1
Ponca Steam (OK)	-	-	9,609	-	-	-	-	-	125	-	-
Ponca Steam (OK)	-	8	75	-	-	-	-	*	1	-	1
Portland City Of Electric Dept	-	-	-	15	-	-	-	-	-	-	*
Jenkins, Frank (MI)	-	-	-	-	-	-	-	-	-	-	*
Portland (MI)	-	-	-	15	-	-	-	-	-	-	-
Portland General Electric											
Company	181,144	718	79,259	144,833	619,473	-	177	2	781	648	224
Beaver (OR)	-	-	79,059	-	-	-	-	-	778	-	206
Bethel (OR)	-	-	200	-	-	-	-	-	3	-	12
Boardman (OR)	181,144	718	-	-	-	-	177	2	-	648	6
Bull Run (OR)	-	-	-	607	-	-	-	-	-	-	-
Faraday (OR)	-	-	-	4,106	-	-	-	-	-	-	-
North Fork (OR)	-	-	-	4,426	-	-	-	-	-	-	-
Oak Grove (OR)	-	-	-	15,979	-	-	-	-	-	-	-
Pelton (OR)	-	-	-	30,189	-	-	-	-	-	-	-
Pelton Re Regulation (OR)	-	-	-	4,657	-	-	-	-	-	-	-
Portland Hydro Proj 1 (OR)	-	-	-	1,286	-	-	-	-	-	-	-
Portland Hydro Proj 2 (OR)	-	-	-	-	-	-	-	-	-	-	-
River Mill (OR)	-	-	-	2,694	-	-	-	-	-	-	-
Round Butte (OR)	-	-	-	70,501	-	-	-	-	-	-	-
Sullivan (OR)	-	-	-	10,388	-	-	-	-	-	-	-
Summit (OR)	-	-	-	-	-	-	-	-	-	-	1
Trojan (OR)	-	-	-	-	619,473	-	-	-	-	-	-
Potomac Edison Co (APS)	41,519	117	-	2,359	-	-	17	*	-	23	1
Dam 4 (WV)	-	-	-	535	-	-	-	-	-	-	-
Dam 5 (WV)	-	-	-	482	-	-	-	-	-	-	-
Harpers Ferry (WV)	-	-	-	-	-	-	-	-	-	-	-
Luray (VA)	-	-	-	288	-	-	-	-	-	-	-
Millville (WV)	-	-	-	498	-	-	-	-	-	-	-
Newport (VA)	-	-	-	279	-	-	-	-	-	-	-
Shenandoah (VA)	-	-	-	142	-	-	-	-	-	-	-
Smith, R P (MD)	41,519	117	-	-	-	-	17	*	-	23	1
Warren (VA)	-	-	-	135	-	-	-	-	-	-	-
Potomac Electric Power Co	1,433,780	49,156	161,199	-	-	-	545	114	2,043	1,272	1,126
Benning (DC)	-	22,284	-	-	-	-	-	52	-	-	94
Buzzard Point (DC)	-	2,450	-	-	-	-	-	8	-	-	19
Chalk Point (MD)	361,429	15,423	161,199	-	-	-	137	33	2,043	450	623
Dickerson (MD)	248,629	552	-	-	-	-	95	1	-	291	5
Morgantown (MD)	632,297	7,295	-	-	-	-	235	18	-	406	384
Potomac River (VA)	191,425	1,152	-	-	-	-	78	2	-	125	1
SMECO CT (MD)	-	-	-	-	-	-	-	-	-	-	-
Power Authority Of The State Of											
NY	-	6,741	268,653	1,653,405	852,547	-	-	12	2,818	-	429
Ashokan (NY)	-	-	-	2,276	-	-	-	-	-	-	-
Astoria (NY)	-	6,741	268,653	-	-	-	-	12	2,818	-	429
Blenheim (NY)	-	-	-	-68,162	-	-	-	-	-	-	-
Crescent (NY)	-	-	-	1,882	-	-	-	-	-	-	-
Fitzpatrick (NY)	-	-	-	-	554,555	-	-	-	-	-	-
Hinckley (NY)	-	-	-	889	-	-	-	-	-	-	-
Indian Point (NY)	-	-	-	-	297,992	-	-	-	-	-	-
Kensico (NY)	-	-	-	1,497	-	-	-	-	-	-	-
Lewiston (NY)	-	-	-	-30,127	-	-	-	-	-	-	-
Moses Niagara (NY)	-	-	-	1,178,327	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Power Authority Of The State Of NY											
Moses Power Dam (NY)	-	-	-	566,823	-	-	-	-	-	-	-
Vischer Ferry (NY)	-	-	-	-	-	-	-	-	-	-	-
Pratt City Of	-	-	3,933	-	-	-	-	-	54	-	2
Pratt (KS)	-	-	3,933	-	-	-	-	-	54	-	2
Preston Public Utilities Comm	-	-1	-	-	-	-	-	-	-	-	*
Preston (MN)	-	-1	-	-	-	-	-	-	-	-	*
Preston, Town Of Mun Lt & Pwr	-	-	-	-	-	-	-	-	-	-	-
Preston (IA)	-	-	-	-	-	-	-	-	-	-	-
Primghar Municipal Lt Plant	-	-	-	-	-	-	-	-	-	-	-
Primghar (IA)	-	-	-	-	-	-	-	-	-	-	-
Prince William Electric Coop	-	-	-	-	-	-	-	-	-	-	-
Whitesboro (TX)	-	-	-	-	-	-	-	-	-	-	-
Princeton Mun Pwr & Lt Plant	-	7	-	-	-	-	-	*	-	-	1
Princeton (MN)	-	7	-	-	-	-	-	*	-	-	1
Princeton Municipal Utilities	-	46	91	-	-	-	-	*	1	-	1
Princeton (IL)	-	46	91	-	-	-	-	*	1	-	1
Proctor Public Util Comm	-	9	47	-	-	-	-	*	1	-	*
Tecumseh (NE)	-	9	47	-	-	-	-	*	1	-	*
Providence Lt & Wtr	-	-	-	-	-	-	-	-	-	-	-
Providence (RI)	-	-	-	-	-	-	-	-	-	-	-
Provo City Corporation Dept Of											
Util	-	30	19	-	-	-	-	*	*	-	1
Provo (UT)	-	30	19	-	-	-	-	*	*	-	1
Public Serv Co Of Oklahoma											
(CSW)	495,388	21	697,265	-	-	-	281	*	6,738	648	2
Comanche (OK)	-	-	132,580	-	-	-	-	-	1,087	-	-
Northeastern (OK)	495,388	-	187,766	-	-	-	281	*	1,793	648	*
Riverside (OK)	-	-	305,888	-	-	-	-	*	3,080	-	1
Southwestern (OK)	-	-	70,631	-	-	-	-	*	771	-	1
Tulsa (OK)	-	14	-	-	-	-	-	*	-	-	*
Weleetka (OK)	-	7	400	-	-	-	-	*	6	-	*
Public Service Co Of Colorado	995,550	1,037	9,571	8,931	-	-	587	2	144	1,490	126
Alamosa (CO)	-	-	33	-	-	-	-	-	1	-	6
Arapahoe (CO)	106,114	-	545	-	-	-	57	-	7	105	-
Boulder Hydro (CO)	-	-	-	1,293	-	-	-	-	-	-	-
Cabin Creek (CO)	-	-	-	-4,635	-	-	-	-	-	-	-
Cameo (CO)	37,323	1	558	-	-	-	20	*	7	29	*
Cherokee (CO)	213,010	-	3,059	-	-	-	109	-	33	415	-
Comanche (CO)	348,909	138	29	-	-	-	217	*	*	422	3
Fort Lupton (CO)	-	-	532	-	-	-	-	-	13	-	10
Fruita (CO)	-	-	-1	-	-	-	-	-	-	-	*
Georgetown Hydro (CO)	-	-	-	612	-	-	-	-	-	-	-
Palisade Hydro (CO)	-	-	-	1,337	-	-	-	-	-	-	-
Pawnee (CO)	286,433	898	-	-	-	-	181	2	-	414	6
Salida No. 1 Hydro (CO)	-	-	-	301	-	-	-	-	-	-	-
Salida No. 2 Hydro (CO)	-	-	-	338	-	-	-	-	-	-	-
Shoshone Hydro (CO)	-	-	-	9,685	-	-	-	-	-	-	-
Valmont (CO)	3,761	-	771	-	-	-	3	-	18	103	9
Zuni (CO)	-	-	4,045	-	-	-	-	-	64	-	92
Public Service Co Of Ind, Inc	2,173,887	4,380	-	29,874	-	-	1,008	8	-	2,466	45
Cayuga (IN)	498,509	281	-	-	-	-	234	*	-	421	3
Connersville (IN)	-	135	-	-	-	-	-	1	-	-	11
Edwardsport (IN)	14,603	167	-	-	-	-	10	*	-	29	3

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petr- oleum (bbls)	Gas (Mcf)	Coal (short tons)	Petr- oleum (bbls)
Public Service Co Of Ind, Inc											
Gallagher, R (IN)	111,522	1,010	-	-	-	-	54	2	-	215	2
Gibson (IN)	1,263,183	2,051	-	-	-	-	569	3	-	1,576	8
Merkland (IN)	-	-	-	29,874	-	-	-	-	-	-	-
Miami Wabash (IN)	-	-4	-	-	-	-	-	-	-	-	14
Noblesville (IN)	11,441	59	-	-	-	-	7	-	-	16	1
Wabash River (IN)	274,429	681	-	-	-	-	134	1	-	208	4
Public Service Co Of New											
Hampshire	301,975	146,144	-	20,708	781,225	-	117	253	-	351	411
Amoskeag (NH)	-	-	-	4,618	-	-	-	-	-	-	-
Ayers Island (NH)	-	-	-	2,121	-	-	-	-	-	-	-
Canaan (VT)	-	-	-	743	-	-	-	-	-	-	-
Eastman Falls (NH)	-	-	-	1,151	-	-	-	-	-	-	-
Garvins Falls (NH)	-	-	-	2,015	-	-	-	-	-	-	-
Gorham (NH)	-	-	-	1,114	-	-	-	-	-	-	-
Hooksett (NH)	-	-	-	739	-	-	-	-	-	-	-
Jackman (NH)	-	-	-	89	-	-	-	-	-	-	-
Lost Nation (NH)	-	43	-	-	-	-	-	-	-	-	2
Merrimack (NH)	246,176	61	-	-	-	-	92	-	-	246	3
Newington (NH)	-	134,582	-	-	-	-	-	225	-	-	1
Schiller (NH)	55,799	11,464	-	-	-	-	25	28	-	105	402
Seabrook (NH)	-	-	-	-	781,225	-	-	-	-	-	-
Smith (NH)	-	-	-	8,118	-	-	-	-	-	-	-
Swans Falls (ME)	-	-	-	-	-	-	-	-	-	-	-
White Lake (NH)	-	-6	-	-	-	-	-	-	-	-	2
Public Service Co Of New											
Mexico	703,075	2,058	738	-	-	-	412	4	23	625	34
Las Vegas (NM)	-	-8	-	-	-	-	-	-	-	-	5
Person (NM)	-	-	-	-	-	-	-	-	-	-	-
Reeves (NM)	-	-	738	-	-	-	-	-	23	-	-
San Juan (NM)	703,075	2,066	-	-	-	-	412	4	-	625	28
Public Service Elec And Gas Co	370,532	46,798	494,261	-	1,790,390	-	141	109	5,577	584	1,107
Bayonne (NJ)	-	189	-	-	-	-	-	1	-	-	5
Bergen (NJ)	-	178	128,013	-	-	-	-	-	1,488	-	293
Burlington (NJ)	-	3,645	-	-	-	-	-	14	-	-	146
Edison (NJ)	-	1,166	13	-	-	-	-	4	-	-	43
Essex (NJ)	-	-	54,316	-	-	-	-	-	715	-	-
Hope Creek (NJ)	-	-	-	-	749,563	-	-	-	-	-	-
Hudson (NJ)	215,385	390	177,777	-	-	-	83	1	1,894	335	153
Kearny (NJ)	-	6,036	7,895	-	-	-	-	17	132	-	120
Linden (NJ)	-	33,151	5,667	-	-	-	-	66	94	-	233
Mercer (NJ)	155,147	1,258	64,556	-	-	-	58	4	532	249	13
National Park (NJ)	-	-6	-	-	-	-	-	-	-	-	1
Salem (NJ)	-	183	-	-	1,040,827	-	-	-	-	-	18
Sewaren (NJ)	-	608	56,024	-	-	-	-	2	721	-	81
Puget Sound Power & Light											
Company	-	181	-	68,314	-	-	-	1	-	-	214
Crystal Mountain (WA)	-	6	-	-	-	-	-	-	-	-	1
Electron (WA)	-	-	-	13,305	-	-	-	-	-	-	-
Frederickson (WA)	-	-	-	-	-	-	-	-	-	-	95
Fredonia (WA)	-	-	-	-	-	-	-	-	-	-	50
Lower Baker (WA)	-	-	-	20,895	-	-	-	-	-	-	-
Nooksack (WA)	-	-	-	665	-	-	-	-	-	-	-
Shuffleton (WA)	-	-40	-	-	-	-	-	-	-	-	-
Snoqualmie (WA)	-	-	-	7,362	-	-	-	-	-	-	-
South Whidbey (WA)	-	170	-	-	-	-	-	1	-	-	13
Upper Baker (WA)	-	-	-	17,854	-	-	-	-	-	-	-
White River (WA)	-	-	-	8,233	-	-	-	-	-	-	-
Whitehorn (WA)	-	45	-	-	-	-	-	-	-	-	55
Radford Mun Power Plant	-	-	-	321	-	-	-	-	-	-	-
Radford (VA)	-	-	-	321	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)	Coal (short tons)	Petroleum (bbls)
Rantoul, Village Of, Lt & Pwr											
Dept	-	-	-	-	-	-	-	-	-	-	2
Rantoul (IL)	-	-	-	-	-	-	-	-	-	-	2
Raton Public Service Company ...	1,815	-	-	-	-	-	1	-	-	3	-
Raton (NM)	1,815	-	-	-	-	-	1	-	-	3	-
Rayne Elec Lt & Pwr	-	-	-	-	-	-	-	-	-	-	-
Rayne (LA)	-	-	-	-	-	-	-	-	-	-	-
Red Bud City Of	-	10	8	-	-	-	-	*	*	-	2
Red Bud (IL)	-	10	8	-	-	-	-	*	*	-	2
Red Cloud City Of Mun Lt & Pwr	-	24	-	-	-	-	-	*	-	-	*
Red Cloud (NE)	-	24	-	-	-	-	-	*	-	-	*
Redding City Of	-	-	-	653	-	-	-	-	-	-	-
Whiskeytown (CA)	-	-	-	653	-	-	-	-	-	-	-
Redlands Water & Power Co	-	-	-	881	-	-	-	-	-	-	-
Redlands (CO)	-	-	-	881	-	-	-	-	-	-	-
Redwood Falls Pub Util Comm ...	-	202	-	28	-	-	-	*	-	-	1
Redwood Falls (MN)	-	202	-	28	-	-	-	*	-	-	1
Remsen Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Remsen (IA)	-	-	-	-	-	-	-	-	-	-	-
Rensselaer City Of Mun Power											
Plant	-	-	-	-	-	-	-	-	-	-	*
Rensselaer (IN)	-	-	-	-	-	-	-	-	-	-	*
Renwick Light & Power Plant	-	-	-	-	-	-	-	-	-	-	-
Renwick (IA)	-	-	-	-	-	-	-	-	-	-	-
Rich Hill City Of	-	-	-	-	-	-	-	-	-	-	-
Rich Hill (MO)	-	-	-	-	-	-	-	-	-	-	-
Richmond Power & Light	43,417	29	-	-	-	-	23	*	-	39	1
Whitewater Valley (IN)	43,417	29	-	-	-	-	23	*	-	39	1
River Falls Municipal Utilities	-	184	588	177	-	-	-	*	6	-	3
Junction (WI)	-	184	588	112	-	-	-	*	6	-	3
Powell Falls (WI)	-	-	-	65	-	-	-	-	-	-	-
Robstown City Of	-	200	2,832	-	-	-	-	*	37	-	6
Robstown (TX)	-	200	2,832	-	-	-	-	*	37	-	6
Rochelle Municipal Utilities	-	82	6,036	-	-	-	-	*	58	-	1
Rochelle No. 1 (IL)	-	82	721	-	-	-	-	*	8	-	1
Rochelle No. 2 (IL)	-	-	5,315	-	-	-	-	-	50	-	-
Rochester City Of Elec Dept	1,713	152	15,420	1,092	-	-	1	1	189	35	2
Cascade Creek (MN)	-	152	-	-	-	-	-	1	-	-	2
Rochester (MN)	-	-	-	1,092	-	-	-	-	-	-	-
Silver Lake (MN)	1,713	-	15,420	-	-	-	1	-	189	35	-
Rochester Gas & Elec Corp	135,506	717	1,167	9,068	305,558	-	55	2	18	145	3
Ginna (NY)	-	-	-	-	305,558	-	-	-	-	-	-
Station 160 (NY)	-	-	-	148	-	-	-	-	-	-	-
Station 170 (NY)	-	-	-	128	-	-	-	-	-	-	-
Station 172 (NY)	-	-	-	14	-	-	-	-	-	-	-
Station 2 (NY)	-	-	-	2,729	-	-	-	-	-	-	-
Station 26 (NY)	-	-	-	654	-	-	-	-	-	-	-
Station 3 (NY)	-	417	-	-	-	-	-	1	-	33	2
Station 5 (NY)	-	-	-	5,395	-	-	-	-	-	-	-
Station 7 (NY)	135,506	300	-	-	-	-	55	1	-	112	1
Station 9 (NY)	-	-	1,167	-	-	-	-	-	18	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Rock Port Bd Of Public Works	-	15	154	-	-	-	-	*	2	-	*
Rockport (MO)	-	15	154	-	-	-	-	*	2	-	*
Rock Rapids City Of (Util Div)	-	1	-	-	-	-	-	*	-	-	*
Rock Rapids (IA)	-	1	-	-	-	-	-	*	-	-	*
Rockford Mun Light Plant	-	-	-	-	-	-	-	-	-	-	-
Rockford (IA)	-	-	-	-	-	-	-	-	-	-	-
Rockville Center El Lt Dept	-	165	5,414	-	-	-	-	1	58	-	2
Rockville (NY)	-	165	5,414	-	-	-	-	1	58	-	2
Roseau, Village Of	-	-1	-	-	-	-	-	*	-	-	*
Roseau (MN)	-	-1	-	-	-	-	-	*	-	-	*
Russell City Of	-	357	3,604	-	-	-	-	1	41	-	3
Russell (KS)	-	357	3,604	-	-	-	-	1	41	-	3
Ruston Water & Light Plant	-	-	14,252	-	-	-	-	-	165	-	-
Ruston (LA)	-	-	14,252	-	-	-	-	-	165	-	-
Sabetha City Of	-	329	584	-	-	-	-	1	9	-	1
Sabetha (KS)	-	329	584	-	-	-	-	1	9	-	1
Sacramento Municipal Utility Dist	-	-	-38	111,678	-	87,199	-	-	-	-	2
Camino (CA)	-	-	-	29,740	-	-	-	-	-	-	-
Camp Far W (CA)	-	-	-	-8	-	-	-	-	-	-	-
Coldwater Creek (CA)	-	-	-	-	-	35,561	-	-	-	-	-
Jaybird (CA)	-	-	-	47,637	-	-	-	-	-	-	-
Jones Fork (CA)	-	-	-	138	-	-	-	-	-	-	-
Loon Lake (CA)	-	-	-	-244	-	-	-	-	-	-	-
McClellan (CA)	-	-	-38	-	-	-	-	-	-	-	2
Rancho Seco (CA)	-	-	-	-	-	-	-	-	-	-	-
Robbs Peak (CA)	-	-	-	38	-	-	-	-	-	-	-
Slab Creek (CA)	-	-	-	276	-	-	-	-	-	-	-
Smudgeo (CA)	-	-	-	-	-	51,470	-	-	-	-	-
Solar (CA)	-	-	-	-	-	168	-	-	-	-	-
Union Valley (CA)	-	-	-	11,397	-	-	-	-	-	-	-
White Rock (CA)	-	-	-	22,704	-	-	-	-	-	-	-
Safe Harbor Water Power Corp ...	-	-	-	42,693	-	-	-	-	-	-	-
Safe Harbor (PA)	-	-	-	42,693	-	-	-	-	-	-	-
Salt River Proj Agri Imp Pwr Dist	1,520,058	11,096	85,373	34,874	-	-	740	19	868	2,258	623
* Central Storage *	-	-	-	-	-	-	-	-	-	-	42
Agua Fria (AZ)	-	1,377	18,599	-	-	-	-	3	224	-	243
Coronado (AZ)	299,715	2,028	-	-	-	-	163	4	-	482	13
Crosscut (AZ)	-	-2	-	-	-	-	-	-	-	-	2
Horse Mesa (AZ)	-	-	-	21,404	-	-	-	-	-	-	-
Kyrene (AZ)	-	151	1,489	-	-	-	-	*	28	-	143
Mormon Flat (AZ)	-	-	-	11,296	-	-	-	-	-	-	-
Navajo (AZ)	1,220,343	5,362	-	-	-	-	577	9	-	1,776	59
Roosevelt (AZ)	-	-	-	591	-	-	-	-	-	-	-
San Tan (AZ)	-	2,180	65,285	-	-	-	-	4	616	-	122
South Con (AZ)	-	-	-	-	-	-	-	-	-	-	-
Stewart Mtn (AZ)	-	-	-	1,583	-	-	-	-	-	-	-
San Antonio Public Service Bd	481,221	77	324,095	-	-	-	304	*	3,402	503	557
Braunig, V H (TX)	-	-	101,448	-	-	-	-	-	1,087	-	327
Deely, J T (TX)	481,221	45	-	-	-	-	304	*	-	503	-
Leon Creek (TX)	-	-	637	-	-	-	-	-	12	-	2
Mission Road (TX)	-	-	-200	-	-	-	-	-	-	-	-
Sommers, O W (TX)	-	32	215,732	-	-	-	-	*	2,227	-	176
Tuttle, W B (TX)	-	-	6,478	-	-	-	-	-	76	-	52
San Diego Gas & Electric	-	-	-	-	-	-	-	-	-	-	-
Company	-	4,738	385,014	-	-	-64	-	8	4,113	-	1,882
* Central Storage *	-	-	-	-	-	-	-	-	-	-	3

See footnotes at end of table.

Table 47. Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
San Diego Gas & Electric											
Company											
Division (CA)	-	7	-	-	-	-	-	*	-	-	-
El Cajon (CA)	-	1	85	-	-	-	-	*	2	-	1
Encina (CA)	-	2,820	181,818	-	-	-	-	5	2,021	-	1,301
Heber (CA)	-	-	-	-	-	-64	-	-	-	-	-
Kearny (CA)	-	-	601	-	-	-	-	-	11	-	41
Miramar (CA)	-	-	1,136	-	-	-	-	-	18	-	3
Naval Station (CA)	-	26	386	-	-	-	-	*	4	-	10
Naval Training Ctr (CA)	-	2	157	-	-	-	-	*	3	-	1
North Island (CA)	-	11	325	-	-	-	-	*	5	-	1
Silver Gate (CA)	-	-	-	-	-	-	-	-	-	-	-
South Bay (CA)	-	1,871	200,600	-	-	-	-	3	2,041	-	300
Station B (CA)	-	-	-94	-	-	-	-	-	9	-	-
San Miguel Electric Coop	268,337	238	-	-	-	-	284	1	-	325	14
San Miguel (TX)	268,527	238	-	-	-	-	284	1	-	325	14
Sanborn Municipal Light Plant	-	-	-	-	-	-	-	-	-	-	-
Sanborn (IA)	-	-	-	-	-	-	-	-	-	-	-
Santa Clara City Of	-	-	4,076	158	-	-	-	-	76	-	2
Cogen Plant (CA)	-	-	3,813	-	-	-	-	-	72	-	*
Gianera (CA)	-	-	263	-	-	-	-	-	4	-	2
Highline (CA)	-	-	-	158	-	-	-	-	-	-	-
Stony Gorge (CA)	-	-	-	-	-	-	-	-	-	-	-
Sargent City Of	-	-	-	-	-	-	-	-	-	-	*
Sargent (NE)	-	-	-	-	-	-	-	-	-	-	*
Savannah Electric & Power Co	245,579	33	23,729	-	-	-	98	*	281	94	112
Boulevard (GA)	-	-	688	-	-	-	-	-	14	-	14
McIntosh (GA)	109,577	33	-	-	-	-	42	*	-	43	41
Port Wentworth (GA)	136,002	-	18,937	-	-	-	56	-	201	51	48
Riverside (GA)	-	-	4,104	-	-	-	-	-	66	-	9
Seaford Lt & Power	-	67	-	-	-	-	-	*	-	-	2
Seaford (DE)	-	67	-	-	-	-	-	*	-	-	2
Seattle Dept Of Lighting	-	-	-	415,580	-	-	-	-	-	-	-
Boundary (WA)	-	-	-	223,097	-	-	-	-	-	-	-
Cedar Falls (WA)	-	-	-	1,369	-	-	-	-	-	-	-
Diablo (WA)	-	-	-	59,114	-	-	-	-	-	-	-
Gorge (WA)	-	-	-	71,173	-	-	-	-	-	-	-
New Halem (WA)	-	-	-	446	-	-	-	-	-	-	-
Ross Dam (WA)	-	-	-	60,381	-	-	-	-	-	-	-
Sebewaing Lt & Wtr Dept	-	-	-	-	-	-	-	-	-	-	1
Main Street (MI)	-	-	-	-	-	-	-	-	-	-	1
Pine Street (MI)	-	-	-	-	-	-	-	-	-	-	-
Sebring Utilities Commission	-	11,257	843	-	-	-	-	18	12	-	37
S Dinner Lk (FL)	-	-	843	-	-	-	-	-	12	-	-
S Phillips (FL)	-	10,736	-	-	-	-	-	17	-	-	35
Sebring (FL)	-	521	-	-	-	-	-	1	-	-	1
Sequin City Of	-	1	-	77	-	-	-	*	-	-	*
Sequin (TX)	-	1	-	77	-	-	-	*	-	-	*
Seminole Electric Coop Inc	783,033	1,593	-	-	-	-	333	2	-	326	6
Seminole (FL)	783,033	1,593	-	-	-	-	333	2	-	326	6
Seneca Hydroelectric Company											
Inc	-	-	-	140	-	-	-	-	-	-	-
Seneca (NY)	-	-	-	140	-	-	-	-	-	-	-
Seward Electric System	-	-	-	-	-	-	-	-	-	-	-
Schoonmaker (AK)	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Sharon Spring City Of	-	2	6	-	-	-	-	*	*	-	*
Sharon Spring (KS)	-	2	6	-	-	-	-	*	*	-	*
Shelby Mun Light Plant	6,805	-	22	-	-	-	4	-	*	13	*
Shelby (OH)	6,605	-	22	-	-	-	4	-	*	13	*
Sho Me Power Cooperative	-	-	-	393	-	-	-	-	-	-	-
Niangua (MO)	-	-	-	393	-	-	-	-	-	-	-
Shrewsbury El Lt Plant	-	20	-	-	-	-	-	*	-	-	2
Shrewsbury (MA)	-	20	-	-	-	-	-	*	-	-	2
Sibley Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Sibley (IA)	-	-	-	-	-	-	-	-	-	-	-
Sidney City Of (Electric Util)	-	5	23	-	-	-	-	*	*	-	1
Sidney (NE)	-	5	23	-	-	-	-	*	*	-	1
Sierra Pacific Power Company	235,752	265	199,494	415	-	-	116	1	2,131	335	313
Battle Mt (NV)	-	-17	-	-	-	-	-	*	-	-	*
Brunswick (NV)	-	-17	-	-	-	-	-	*	-	-	*
Elko (NV)	-	-3	-	-	-	-	-	*	-	-	*
Fallon (NV)	-	-	-1	-	-	-	-	-	-	-	-
Farad (CA)	-	-	-	-3	-	-	-	-	-	-	-
Fleish (NV)	-	-	-	-2	-	-	-	-	-	-	-
Fort Churchill (NV)	-	25	116,675	-	-	-	-	*	1,224	-	121
Gabbs (NV)	-	-3	-	-	-	-	-	*	-	-	1
Kings Beach (CA)	-	3	-	-	-	-	-	*	-	-	1
Lahontan (NV)	-	-	-	194	-	-	-	-	-	-	-
North Valmy (NV)	235,752	333	-	-	-	-	116	1	-	335	3
Portola (CA)	-	-13	-	-	-	-	-	*	-	-	*
Tracy (NV)	-	-32	82,831	-	-	-	-	-	906	-	176
Valley Road (NV)	-	-16	-	-	-	-	-	*	-	-	*
Verdi (NV)	-	-	-	-	-	-	-	-	-	-	-
Washoe (NV)	-	-	-	-2	-	-	-	-	-	-	-
Winnemucca (NV)	-	-	-11	-	-	-	-	-	*	-	*
26 Foot Drop (NV)	-	-	-	228	-	-	-	-	-	-	-
Sikeston Bd Of Mun Utilities	151,034	125	-	-	-	-	70	*	-	98	3
Coleman, E. P. (MO)	-	-	-	-	-	-	-	*	-	-	*
Sikeston (MO)	151,034	125	-	-	-	-	70	*	-	98	3
Sioux Center Mun Lt & Pwr	-	-	-	-	-	-	-	-	-	-	-
Sioux Center (IA)	-	-	-	-	-	-	-	-	-	-	-
Sioux Falls Mun Lt & Pwr Dept	-	-	-	-	-	-	-	-	-	-	-
Sioux Falls (SD)	-	-	-	-	-	-	-	-	-	-	-
Sitka City Of (Electric Dept)	-	118	-	6,353	-	-	-	*	-	-	4
Blue Lake (AK)	-	-	-	3,436	-	-	-	-	-	-	-
Green Lake (AK)	-	-	-	2,917	-	-	-	-	-	-	-
Halibut Point (AK)	-	-	-	-	-	-	-	-	-	-	-
Indian River (AK)	-	118	-	-	-	-	-	*	-	-	4
Skaneateles City Of	-	-	-	-	-	-	-	-	-	-	-
Skaneateles (NY)	-	-	-	-	-	-	-	-	-	-	-
Sleepy Eye Public Util Comm	-	-	-	-	-	-	-	-	-	*	1
Sleepy Eye (MN)	-	-	-	-	-	-	-	-	-	*	1
Soda Springs City Of	-	-	-	123	-	-	-	-	-	-	-
Soda Springs (ID)	-	-	-	123	-	-	-	-	-	-	-
South Beloit Wtr Gas & Elec Co ..	-	-	-	112	-	-	-	-	-	-	-
Rockton (IL)	-	-	-	112	-	-	-	-	-	-	-
South Carolina Electric & Gas Co	869,672	1,459	186,544	39,123	634,781	-	337	2	1,721	1,016	217
Burton (SC)	-	-	311	-	-	-	-	-	5	-	1

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
South Carolina Electric & Gas Co											
Canadys (SC)	101,121	76	72,886	-	-	-	46	*	682	223	2
Coit (SC)	-	-	433	-	-	-	-	-	9	-	-
Columbia Hydro (SC)	-	-	-	2,386	-	-	-	-	-	-	-
Faber Place (SC)	-	-	77	-	-	-	-	-	2	-	-
Fairfield County (SC)	-	-	-	-24,260	-	-	-	-	-	-	-
Hagood (SC)	-	-	-	-	-	-	-	-	-	-	11
Hardeeville (SC)	-	110	-	-	-	-	-	*	-	-	1
Mcmeekin (SC)	81,438	98	52,350	-	-	-	34	*	449	159	2
Neal Shoals (SC)	-	-	-	1,581	-	-	-	-	-	-	-
Parr (SC)	-	-	1,137	-	-	-	-	-	18	-	8
Parr Hydro (SC)	-	-	-	4,213	-	-	-	-	-	-	-
Saluda Hydro (SC)	-	-	-	48,120	-	-	-	-	-	-	-
Shoals Creek Hydro (GA)	-	-	-	7,083	-	-	-	-	-	-	-
W. C. Summer (SC)	75,475	6	58,095	-	634,781	-	31	*	533	132	1
Wateree (SC)	379,681	1,018	-	-	-	-	150	1	-	236	2
Williams (SC)	231,957	151	1,255	-	-	-	76	*	24	267	189
Williams (SC)	-	-	-	-	-	-	-	-	-	-	-
South Carolina Public Service											
Auth	934,491	2,667	-	32,552	-	-	381	5	-	623	113
Cross (SC)	332,112	44	-	-	-	-	129	*	-	172	4
Grainger, Dolphus M (SC)	46,628	50	-	-	-	-	19	*	-	32	*
Hilton Head (SC)	-	745	-	-	-	-	-	2	-	-	24
Jefferies (SC)	92,048	62	-	16,683	-	-	39	*	-	100	51
Myrtle Beach (SC)	-	689	-	-	-	-	-	2	-	-	26
Spillway (SC)	-	-	-	963	-	-	-	-	-	-	-
St. Stephen (SC)	-	-	-	14,906	-	-	-	-	-	-	-
Winyah (SC)	463,703	1,077	-	-	-	-	194	2	-	320	8
South Mississippi Elec Pwr Assn											
Benndale (MS)	198,193	448	75,512	-	-	-	82	1	932	197	49
Morrow (MS)	-	-	2,022	-	-	-	-	-	34	-	-
Moselle (MS)	198,193	345	-	-	-	-	82	1	-	197	9
Paulding (MS)	-	103	73,490	-	-	-	-	*	898	-	40
Paulding (MS)	-	-	-	-	-	-	-	-	-	-	1
South Norwalk Elec Wks, The											
South Norwalk (CT)	-	4	-	-	-	-	-	*	-	-	1
South Norwalk (CT)	-	4	-	-	-	-	-	*	-	-	1
South Texas Elec Coop, Inc											
Rayburn, Sam (TX)	-	-	303	-	-	-	-	-	5	-	-
Rayburn, Sam (TX)	-	-	303	-	-	-	-	-	5	-	-
Southern California Edison											
Company	972,709	11,775	1,764,173	160,470	1,588,854	-	594	20	17,440	482	7,167
* Central Storage	-	-	-	-	-	-	-	-	-	-	3,245
Alamitos (CA)	-	-	366,556	-	-	-	-	-	3,615	-	790
Baker Dam (CA)	-	-	-	-	-	-	-	-	-	-	-
Balsam Meadow (CA)	-	-	-	11,866	-	-	-	-	-	-	-
Big Creek 1 (CA)	-	-	-	18,070	-	-	-	-	-	-	-
Big Creek 2 (CA)	-	-	-	14,993	-	-	-	-	-	-	-
Big Creek 2a (CA)	-	-	-	17,229	-	-	-	-	-	-	-
Big Creek 3 (CA)	-	-	-	29,306	-	-	-	-	-	-	-
Big Creek 4 (CA)	-	-	-	15,734	-	-	-	-	-	-	-
Big Creek 8 (CA)	-	-	-	11,206	-	-	-	-	-	-	-
Bishop Creek 2 (CA)	-	-	-	3,038	-	-	-	-	-	-	-
Bishop Creek 3 (CA)	-	-	-	2,802	-	-	-	-	-	-	-
Bishop Creek 4 (CA)	-	-	-	3,766	-	-	-	-	-	-	-
Bishop Creek 5 (CA)	-	-	-	1,666	-	-	-	-	-	-	-
Bishop Creek 6 (CA)	-	-	-	919	-	-	-	-	-	-	-
Borel (CA)	-	-	-	-1	-	-	-	-	-	-	-
Cool Water (CA)	-	59	232,187	-	-	-	-	*	2,396	-	422
El Segundo (CA)	-	-	196,704	-	-	-	-	-	1,988	-	290
Ellwood (CA)	-	9	80	-	-	-	-	*	1	-	4
Etiwanda (CA)	-	-	111,950	-	-	-	-	-	1,200	-	608
Fontana (CA)	-	-	-	158	-	-	-	-	-	-	-
Highgrove (CA)	-	-168	-	-	-	-	-	-	-	-	43
Huntington Beach (CA)	-	-	100,942	-	-	-	-	-	986	-	189

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Southern California Edison											
Company											
Kaweah 1 (CA)	-	-	-	563	-	-	-	-	-	-	-
Kaweah 2 (CA)	-	-	-	-	-	-	-	-	-	-	-
Kaweah 3 (CA)	-	-	-	-	-	-	-	-	-	-	-
Kern River 1 (CA)	-	-	-	2,893	-	-	-	-	-	-	-
Kern River 3 (CA)	-	-	-	45	-	-	-	-	-	-	-
Long Beach (CA)	-	-	30,773	-	-	-	-	-	364	-	124
Lundy (CA)	-	-	-	225	-	-	-	-	-	-	-
Lytle Creek (CA)	-	-	-	70	-	-	-	-	-	-	-
Mammoth Pool (CA)	-	-	-	19,487	-	-	-	-	-	-	-
Mandalay (CA)	-	240	131,063	-	-	-	-	1	1,244	-	247
Mill Creek 1 (CA)	-	-	-	200	-	-	-	-	-	-	-
Mill Creek 2&3 (CA)	-	-	-	-	-	-	-	-	-	-	-
Mill Creek 3 (CA)	-	-	-	416	-	-	-	-	-	-	-
Mohave (NV)	972,709	-	14,240	-	-	-	594	-	177	482	-
Ontario 1 (CA)	-	-	-	144	-	-	-	-	-	-	-
Ontario 2 (CA)	-	-	-	53	-	-	-	-	-	-	-
Ormond Beach (CA)	-	9,606	263,906	-	-	-	-	15	2,523	-	843
Pebbly Beach (CA)	-	2,029	-	-	-	-	-	4	-	-	4
Poole (CA)	-	-	-	413	-	-	-	-	-	-	-
Portal (CA)	-	-	-	1,702	-	-	-	-	-	-	-
Redondo Beach (CA)	-	-	308,387	-	-	-	-	-	2,865	-	285
Rush Creek (CA)	-	-	-	3,092	-	-	-	-	-	-	-
San Bernardino (CA)	-	-	7,385	-	-	-	-	-	86	-	72
San Geronio (CA)	-	-	-	47	-	-	-	-	-	-	-
San Geronio (CA)	-	-	-	-	-	-	-	-	-	-	-
San Onofre (CA)	-	-	-	-	1,568,854	-	-	-	-	-	-
Santa Ana 1 (CA)	-	-	-	198	-	-	-	-	-	-	-
Santa Ana 2 (CA)	-	-	-	90	-	-	-	-	-	-	-
Santa Ana 3 (CA)	-	-	-	-4	-	-	-	-	-	-	-
Sierra (CA)	-	-	-	84	-	-	-	-	-	-	-
Tule River (CA)	-	-	-	-	-	-	-	-	-	-	-
Wind (CA)	-	-	-	-	-	-	-	-	-	-	-
Southern Illinois Power Coop	90,152	230	-	-	-	-	53	*	-	345	3
Marion (IL)	90,152	230	-	-	-	-	53	*	-	345	3
Southern Indiana Gas & Electric											
Co	451,019	761	1,686	-	-	-	214	1	28	491	3
A. B. Brown (IN)	213,918	710	-	-	-	-	99	1	-	201	2
Broadway (IN)	-	-	1,299	-	-	-	-	-	20	-	1
Culley (IN)	145,452	51	69	-	-	-	72	*	1	150	*
Northeast (IN)	-	-	241	-	-	-	-	-	5	-	-
Warrick (IN)	91,649	-	77	-	-	-	43	-	1	140	-
Southwest Public Power District											
Palisade (NE)	-	-	-	-	-	-	-	-	-	-	-
Southwestern Elec Power Co											
(CSW)	1,254,881	1,241	222,366	-	-	-	885	3	2,361	3,127	124
Arsenal Hill (LA)	-	-	5,014	-	-	-	-	-	54	-	-
Flint Creek (AR)	242,481	317	-	-	-	-	161	1	-	479	14
Knox Lee (TX)	-	-	62,590	-	-	-	-	-	585	-	66
Lieberman (LA)	-	-	34,661	-	-	-	-	-	352	-	8
Lone Star (TX)	-	-	-	-	-	-	-	-	-	-	14
Pirkey (TX)	282,358	-	290	-	-	-	242	-	3	371	-
Welsh (TX)	730,042	924	-	-	-	-	482	2	-	2,278	17
Wilkes (TX)	-	-	119,811	-	-	-	-	-	1,366	-	4
Southwestern Public Service Co											
(CSW)	1,239,871	19	337,001	-	-	24,650	705	*	3,482	911	67
Carlsbad (NM)	-	-	93	-	-	-	-	-	2	-	-
Celanese (TX)	-	-	-	-	-	24,650	-	-	-	-	-
Cunningham (NM)	-	-	123,702	-	-	-	-	-	1,235	-	-
Harrington (TX)	629,471	-	255	-	-	-	362	-	8	440	-
Jones (TX)	-	-	66,057	-	-	-	-	-	683	-	48
Maddox (NM)	-	-	62,587	-	-	-	-	-	613	-	-
Nichols (TX)	-	-	62,593	-	-	-	-	-	691	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hyd.o	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Southwestern Public Service Co											
Plant X (TX)	-	-	21,213	-	-	-	-	-	244	-	18
Tolk Station (TX)	610,400	-	501	-	-	-	343	-	7	471	-
Tucumcari (NM)	-	19	-	-	-	-	-	-	-	-	1
Spalding Mun Lt & Pwr Co	-	-	-	45	-	-	-	-	-	-	*
Spalding (NE)	-	-	-	45	-	-	-	-	-	-	*
Spartanburg City Of	-	-	-	58	-	-	-	-	-	-	-
Spartanburg (SC)	-	-	-	58	-	-	-	-	-	-	-
Spencer Municipal Utilities	-	-	-	-	-	-	-	-	-	-	14
Spencer (IA)	-	-	-	-	-	-	-	-	-	-	14
Spokane City Of (Water Division)	-	-	-	-	-	-	-	-	-	-	-
Upriver (WA)	-	-	-	-	-	-	-	-	-	-	-
Spring Valley City Of	-	1	38	-	-	-	-	*	*	-	*
Spring Valley (MN)	-	1	38	-	-	-	-	*	*	-	*
Springfield City Of	137,912	577	-	-	-	-	79	1	-	65	8
Dallman (IL)	126,414	246	-	-	-	-	71	*	-	64	-
Factory (IL)	-	187	-	-	-	-	-	1	-	-	4
Lakeside (IL)	11,498	14	-	-	-	-	8	*	-	1	2
Reynolds (IL)	-	130	-	-	-	-	-	*	-	-	1
Springfield City Of	-	-	-	-	-	-	-	-	-	-	-
Springfield (CO)	-	-	-	-	-	-	-	-	-	-	-
Springfield Public Utilities	-	-	-	-	-	-	-	-	-	-	1
Springfield (MN)	-	-	-	-	-	-	-	-	-	-	1
Springfield Utilities	150,544	-	72,816	-	-	-	70	-	893	134	10
James River (MO)	39,476	-	62,324	-	-	-	21	-	759	78	4
Main Street (MO)	-	-	-	-	-	-	-	-	-	-	1
Southwest (MO)	111,068	-	10,492	-	-	-	49	-	134	57	5
Springville Electric System	-	-	-	-	-	-	-	-	-	-	-
Springville (NY)	-	-	-	-	-	-	-	-	-	-	-
Springville Municipal Corporation	-	7	21	136	-	-	-	*	1	-	*
Bartholomew (UT)	-	-	-	109	-	-	-	-	-	-	-
Hobble Creek (UT)	-	-	-	27	-	-	-	-	-	-	-
Spring Creek (UT)	-	-	-	-	-	-	-	-	-	-	-
Whitehead (UT)	-	7	21	-	-	-	-	*	1	-	*
St Cloud Public Utilities	-	527	4,853	-	-	-	-	1	51	-	3
St Cloud (FL)	-	527	4,853	-	-	-	-	1	51	-	3
St Francis City Of	-	-	-	-	-	-	-	-	*	-	*
St Francis (KS)	-	-	-	-	-	-	-	-	*	-	*
St George City Corp Util											
Commission	-	449	-	-	-	-	-	*	-	-	2
Gunlock Hydro (UT)	-	-	-	-	-	-	-	-	-	-	-
No 2 Diesel (ID)	-	449	-	-	-	-	-	*	-	-	1
St. George (UT)	-	-	-	-	-	-	-	-	-	-	*
St John City Of	-	30	234	-	-	-	-	*	3	-	*
St John (KS)	-	30	234	-	-	-	-	*	3	-	*
St Joseph Light & Power Co	32,222	168	3,794	-	-	-	16	*	56	29	54
Lake Road (MO)	32,222	168	3,794	-	-	-	16	*	56	29	54
St Louis Electric Utility	-	-	-	-	-	-	-	-	-	-	1
Saint Louis (MI)	-	-	-	-	-	-	-	-	-	-	1
St Marys Mun Lt & Pwr Plant	5,020	-	-	-	-	-	3	*	-	*	*
Saint Marys (OH)	5,020	-	-	-	-	-	3	*	-	*	*

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Stafford City Of	-	22	221	-	-	-	-	*	3	-	*
Stafford (KS)	-	22	221	-	-	-	-	*	3	-	*
Stanberry Power Co	-	-	-	-	-	-	-	-	-	-	-
Stanberry (MO)	-	-	-	-	-	-	-	-	-	-	-
Starke Mun Lt & Wtr Plant	-	66	388	-	-	-	-	*	7	-	1
Starke (FL)	-	66	388	-	-	-	-	*	7	-	1
State Center Mun Lt Plant	-	18	34	-	-	-	-	*	*	-	*
State Center (IA)	-	18	34	-	-	-	-	*	*	-	*
Sterling City Of	-	114	712	-	-	-	-	*	8	-	1
Sterling (KS)	-	114	712	-	-	-	-	*	8	-	1
Stillwater City Of	-	-	-	-	-	-	-	-	-	-	1
Boomer Lake (OK)	-	-	-	-	-	-	-	-	-	-	1
Stockton City Of	-	18	277	-	-	-	-	*	4	-	*
Stockton (KS)	-	18	277	-	-	-	-	*	4	-	*
Story City Mun Elec Utility	-	-	-	-	-	-	-	-	-	-	-
Story City (IA)	-	-	-	-	-	-	-	-	-	-	-
Strawberry Point Lt & Wtr Dept ..	-	67	16	-	-	-	-	*	*	-	*
Strawberry Point (IA)	-	67	16	-	-	-	-	*	*	-	*
Strawberry Water Users Assoc ...	-	-	-	426	-	-	-	-	-	-	-
Payson (UT)	-	-	-	87	-	-	-	-	-	-	-
Spanish Fork (UT)	-	-	-	339	-	-	-	-	-	-	-
Stuart Light & Power Plant	-	-	-	-	-	-	-	-	-	-	*
Stuart (NE)	-	-	-	-	-	-	-	-	-	-	*
Stuart Light & Power System	-	-	62	-	-	-	-	*	7	-	*
Stuart (IA)	-	-	62	-	-	-	-	*	7	-	*
Sturgis City Of	-	221	457	489	-	-	-	*	5	-	1
Centerville (MI)	-	-	-	489	-	-	-	-	-	-	-
Sturgis (MI)	-	221	457	-	-	-	-	*	5	-	1
Sullivan City Of	-	180	2,675	-	-	-	-	*	26	-	2
Sullivan (IL)	-	180	2,675	-	-	-	-	*	26	-	2
Summer Municipal Light Dept	-	21	57	-	-	-	-	*	1	-	2
Summer (IA)	-	21	57	-	-	-	-	*	1	-	2
Sunflower Electric Coop	78,035	-	2,735	-	-	-	48	-	34	73	-
Garden City (KS)	-	-	2,233	-	-	-	-	-	28	-	-
Holcomb (KA)	78,035	-	502	-	-	-	48	-	6	73	-
Superior Water Lt & Pwr Co.	-	-	-	-	-	-	-	-	-	-	-
Winslow (WI)	-	-	-	-	-	-	-	-	-	-	-
Swans Island Electric Coop, Inc ..	-	-	-	-	-	-	-	-	-	-	*
Minturn (ME)	-	-	-	-	-	-	-	-	-	-	*
Swanton Electric Department	-	-	-	819	-	-	-	-	-	-	-
Higate Falls (VT)	-	-	-	819	-	-	-	-	-	-	-
System Energy Resources	-	-	-	-	574,376	-	-	-	-	-	-
Grand Gulf (MS)	-	-	-	-	574,376	-	-	-	-	-	-
Tacoma Dept Of Pub Util (Light Div)	-	-	-	99,871	-	-	-	-	-	-	-
Alder (WA)	-	-	-	10,019	-	-	-	-	-	-	-
Cushman 1 (WA)	-	-	-	2,927	-	-	-	-	-	-	-
Cushman 2 (WA)	-	-	-	5,303	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Tacoma Dept Of Pub Util (Light Div)											
La Grande (WA)	-	-	-	12,224	-	-	-	-	-	-	-
Mayfield (WA)	-	-	-	25,998	-	-	-	-	-	-	-
Mossyrock (WA)	-	-	-	43,400	-	-	-	-	-	-	-
Tallahassee City Of	-	112,586	31,412	160	-	-	-	116	299	-	239
Hopkins, Arvah B (FL)	-	112,586	17,067	-	-	-	-	116	108	-	155
Jackson Bluff (FL)	-	-	-	160	-	-	-	-	-	-	-
Purdum, S O (FL)	-	-	14,345	-	-	-	-	-	191	-	85
Tampa Electric Company	1,332,195	12,934	-	-	-	-	559	29	-	1,924	54
* Central Storage *	-	-	-	-	-	-	-	-	-	1,224	-
Big Bend (FL)	747,303	10,274	-	-	-	-	312	25	-	505	49
Gannon, F J (FL)	584,892	2,660	-	-	-	-	248	4	-	194	6
Hookers Point (FL)	-	-	-	-	-	-	-	-	-	-	-
Tapoco, Inc	-	-	-	150,563	-	-	-	-	-	-	-
Calderwood (TN)	-	-	-	65,050	-	-	-	-	-	-	-
Cheoah (NC)	-	-	-	59,573	-	-	-	-	-	-	-
Chilhowee (TN)	-	-	-	18,858	-	-	-	-	-	-	-
Santeetlah (NC)	-	-	-	7,082	-	-	-	-	-	-	-
Taunton Mun Lighting Plant	-	367	38,449	-	-	-	-	1	411	-	50
Cleary, B F (MA)	-	367	38,449	-	-	-	-	1	411	-	50
Tennessee Valley Authority	7,536,014	28,966	24,432	913,744	732,528	-	3,234	53	343	6,363	526
Allen (TN)	329,379	1,847	5,344	-	-	-	134	4	78	210	150
Apalachia (TN)	-	-	-	39,495	-	-	-	-	-	-	-
Blue Ridge (GA)	-	-	-	1,659	-	-	-	-	-	-	-
Boone (TN)	-	-	-	14,575	-	-	-	-	-	-	-
Browns Ferry (AL)	-	-	-	-	-9,160	-	-	-	-	-	-
Bull Run (TN)	352,835	6,496	-	-	-	-	144	9	-	286	4
Chatuge (NC)	-	-	-	1,285	-	-	-	-	-	-	-
Cherokee (TN)	-	-	-	31,638	-	-	-	-	-	-	-
Chickamauga (TN)	-	-	-	60,929	-	-	-	-	-	-	-
Colbert (AL)	592,760	1,668	19,088	-	-	-	251	2	264	434	90
Cumberland (TN)	1,535,820	2,455	-	-	-	-	677	4	-	1,702	9
Douglas (TN)	-	-	-	26,472	-	-	-	-	-	-	-
Fontana (NC)	-	-	-	106,462	-	-	-	-	-	-	-
Fort Loudoun (TN)	-	-	-	67,968	-	-	-	-	-	-	-
Fort Patrick Henry (TN)	-	-	-	8,497	-	-	-	-	-	-	-
Gallatin (TN)	601,209	3,179	-	-	-	-	237	7	-	142	86
Great Falls (TN)	-	-	-	1,462	-	-	-	-	-	-	-
Guntersville (AL)	-	-	-	49,246	-	-	-	-	-	-	-
Hiwassee (NC)	-	-	-	22,240	-	-	-	-	-	-	-
Johnsonville (TN)	516,559	8,566	-	-	-	-	255	20	-	240	175
Kentucky (KY)	-	-	-	72,569	-	-	-	-	-	-	-
Kingston (TN)	807,401	797	-	-	-	-	317	1	-	432	3
Melton Hill (TN)	-	-	-	10,557	-	-	-	-	-	-	-
Nickajack (TN)	-	-	-	46,344	-	-	-	-	-	-	-
Norris (TN)	-	-	-	34,663	-	-	-	-	-	-	-
Nottely (GA)	-	-	-	2,453	-	-	-	-	-	-	-
Ocoee 1 (TN)	-	-	-	-17	-	-	-	-	-	-	-
Ocoee 2 (TN)	-	-	-	-30	-	-	-	-	-	-	-
Ocoee 3 (TN)	-	-	-	9,353	-	-	-	-	-	-	-
Paradise (KY)	1,100,164	236	-	-	-	-	503	-	-	1,749	5
Pickwick (TN)	-	-	-	74,187	-	-	-	-	-	-	-
Raccoon Mountain (TN)	-	-	-	-46,139	-	-	-	-	-	-	-
Sequoyah (TN)	-	-	-	-	741,688	-	-	-	-	-	-
Sevier, John (TN)	501,607	12	-	-	-	-	185	-	-	467	1
Shawnee (KY)	468,622	1,958	-	-	-	-	204	3	-	456	1
South Holston (TN)	-	-	-	14,884	-	-	-	-	-	-	-
Tims Ford (TN)	-	-	-	1,896	-	-	-	-	-	-	-
Watauga (TN)	-	-	-	9,352	-	-	-	-	-	-	-
Watts Bar (TN)	-156	-	-	-	-	-	-	-	-	-	-
Watts Bar (TN)	-	-	-	65,219	-	-	-	-	-	-	-
Wheeler (AL)	-	-	-	63,278	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)	Coal (short tons)	Petroleum (bbls)
Tennessee Valley Authority											
Widows Creek (AL)	729,814	1,752	-	-	-	-	328	3	-	244	2
Wilbur (TN)	-	-	-	1,659	-	-	-	-	-	-	-
Wilson (AL)	-	-	-	121,618	-	-	-	-	-	-	-
Texas Municipal Power Agency ...	265,471	108	-	-	-	-	308	*	-	89	10
Gibbons Creek (TX)	265,471	108	-	-	-	-	308	*	-	89	10
Texas Utils Electric Co (TU)	3,308,472	1,362	3,356,341	-	440,564	-	2,865	4	35,291	1,438	2,122
Big Brown (TX)	325,385	-	4,329	-	-	-	273	-	74	266	-
Collin (TX)	-	-	22,468	-	-	-	-	-	244	-	51
Comanche Peak (TX)	-	-	-	-	440,564	-	-	-	-	-	-
Dallas (TX)	-	-	-1,060	-	-	-	-	-	-	-	36
De Cordova (TX)	-	-	377,448	-	-	-	-	-	3,889	-	140
Eagle Mountain (TX)	-	-	80,917	-	-	-	-	-	1,028	-	59
Graham (TX)	-	-	246,904	-	-	-	-	-	2,386	-	42
Handley (TX)	-	-	228,460	-	-	-	-	-	2,410	-	257
Lake Creek (TX)	-	-	25,085	-	-	-	-	-	274	-	134
Lake Hubbard (TX)	-	-	171,162	-	-	-	-	-	2,071	-	199
Martin Lake (TX)	1,478,127	112	-	-	-	-	1,201	*	-	682	23
Monticello (TX)	1,146,057	867	-	-	-	-	1,071	3	-	489	30
Morgan Creek (TX)	-	42	223,492	-	-	-	-	*	2,232	-	205
Mountain Creek (TX)	-	-	285,902	-	-	-	-	-	3,101	-	115
North Lake (TX)	-	-	186,317	-	-	-	-	-	1,915	-	185
North Main (TX)	-	-	7,532	-	-	-	-	-	98	-	16
Parkdale (TX)	-	-	49,957	-	-	-	-	-	668	-	58
Permian Basin (TX)	-	-	305,267	-	-	-	-	-	3,210	-	160
River Crest (TX)	-	-	17,504	-	-	-	-	-	204	-	39
Sandow (TX)	358,903	341	-	-	-	-	320	1	-	-	-
Stryker Creek (TX)	-	-	203,622	-	-	-	-	*	2,077	-	69
Tradinghouse Creek (TX)	-	-	569,357	-	-	-	-	-	5,675	-	143
Trinidad (TX)	-	-	50,293	-	-	-	-	-	674	-	37
Valley (TX)	-	-	301,385	-	-	-	-	-	3,058	-	123
Texas-New Mexico Power Co	85,126	-	1,089	-	-	-	71	-	18	68	-
Lordsburg (NM)	-	-	-	-	-	-	-	-	-	-	-
TNP One (TX)	85,126	-	1,089	-	-	-	71	-	18	68	-
Thief River Falls Wtr & Lt Dept ...	-	-	-	6	-	-	-	-	-	-	1
Thief River Falls (MN)	-	-	-	6	-	-	-	-	-	-	1
Thumb Elec Coop Of Michigan ...	-	-	-	-	-	-	-	-	-	-	1
Caro (MI)	-	-	-	-	-	-	-	-	-	-	1
Ubyly (MI)	-	-	-	-	-	-	-	-	-	-	1
Toledo Edison Company	352,380	543	106	-	627,073	-	132	2	1	150	8
Acme (OH)	13,294	373	106	-	-	-	7	1	1	28	2
Bay Shore (OH)	339,086	170	-	-	-	-	125	*	-	122	2
Davis-Besse (OH)	-	-	-	-	627,073	-	-	-	-	-	-
Richland (OH)	-	-	-	-	-	-	-	-	-	-	3
Stryker (OH)	-	-	-	-	-	-	-	-	-	-	1
Traer Municipal Utilities	-	20	7	-	-	-	-	*	*	-	*
Traer (IA)	-	20	7	-	-	-	-	*	*	-	*
Traverse City Of	7,490	-	-	772	-	-	4	-	-	25	-
Bayside (MI)	7,490	-	-	-	-	-	4	-	-	25	-
Boardman (MI)	-	-	-	369	-	-	-	-	-	-	-
Brown Bridge (MI)	-	-	-	273	-	-	-	-	-	-	-
Elk Rapids (MI)	-	-	-	130	-	-	-	-	-	-	-
Sabin (MI)	-	-	-	-	-	-	-	-	-	-	-
Trenton Light & Power Plant	-	-	-	-	-	-	-	-	-	-	-
Trenton (NE)	-	-	-	-	-	-	-	-	-	-	-
Trenton Municipal Utilities	-	120	-	-	-	-	-	*	-	-	2
Trenton (MO)	-	12	-	-	-	-	-	*	-	-	*
Trenton PKG (MO)	-	108	-	-	-	-	-	*	-	-	1

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Tri State Gen & Trans Assn, Inc.. Burlington (CO)	-	-	-	-	-	-	-	-	-	-	16
Trinidad Mun Pwr & Lt Dept	117	-	-	-	-	-	-	-	-	1	1
Trinidad (CO)	117	-	-	-	-	-	-	-	-	1	1
Truman Public Util Comm	-	-	-	-	-	-	-	-	-	-	-
Truman (MN)	-	-	-	-	-	-	-	-	-	-	-
Tucson Gas & Electric Company	57,157	-	7,803	-	-	-	28	-	112	107	17
De Moss Petrie (AZ)	-	-	-88	-	-	-	-	-	1	-	3
Irrington (AZ)	57,157	-	7,810	-	-	-	28	-	109	107	7
North Loop (AZ)	-	-	81	-	-	-	-	-	3	-	7
Tulla Light & Power Plant	-	-	-	-	-	-	-	-	-	-	-
Tulla (TX)	-	-	-	-	-	-	-	-	-	-	-
Turlock Irrigation Dist	-	-	1	16,981	-	-	-	-	1	-	3
Hickman (CA)	-	-	-	290	-	-	-	-	-	-	-
Lagrange (CA)	-	-	-	-4	-	-	-	-	-	-	-
New Don Pedro (CA)	-	-	-	15,984	-	-	-	-	-	-	-
Turlock Lake (CA)	-	-	-	231	-	-	-	-	-	-	-
Uppr Dawson (CA)	-	-	-	460	-	-	-	-	-	-	-
Walnut (CA)	-	-	1	-	-	-	-	-	1	-	3
Two Harbors Wtr & Lt Dept	-	-	-	-	-	-	-	-	-	-	-
Two Harbors (MN)	-	-	-	-	-	-	-	-	-	-	-
Tyndall Lt & Wtr Plant	-	-	-	-	-	-	-	-	-	-	-
Tyndall (SD)	-	-	-	-	-	-	-	-	-	-	-
Ugl Corporation	13,436	34	-	-	-	-	10	-	-	66	-
Hunlock Creek (PA)	13,436	34	-	-	-	-	10	-	-	66	-
Unalakleet Village Elec Assoc	-	245	-	-	-	-	-	-	-	-	6
Unalakleet (AK)	-	-	-	-	-	-	-	-	-	-	-
Unalakleet (AK)	-	245	-	-	-	-	-	-	-	-	6
Union City Village Of	-	-	-	48	-	-	-	-	-	-	-
Riley (MI)	-	-	-	48	-	-	-	-	-	-	-
Union City (MI)	-	-	-	-	-	-	-	-	-	-	-
Union Electric Company	2,163,607	3,693	8,875	91,216	486,772	-	977	8	146	2,153	96
Callaway (MO)	-	-	-	-	486,772	-	-	-	-	-	-
Canton (MO)	-	-1	-	-	-	-	-	-	-	-	-
Howard Bend (MO)	-	-9	-	-	-	-	-	-	-	-	3
Jefferson City (MO)	-	105	-	-	-	-	-	-	-	-	3
Keokuk (IA)	-	-	-	83,581	-	-	-	-	-	-	-
Kirksville (MO)	-	-	11	-	-	-	-	-	-	-	-
Labadie (MO)	1,008,331	2,377	-	-	-	-	450	4	-	1,011	28
Meramec (MO)	149,500	255	618	-	-	-	73	1	7	169	7
Mexico (MO)	-	282	-	-	-	-	-	1	-	-	5
Moberly (MO)	-	-	-	-	-	-	-	-	-	-	-
Moberly (MO)	-	267	-	-	-	-	-	1	-	-	5
Montgomery (MO)	-	-	-	-	-	-	-	-	-	-	-
Moreau (MO)	-	218	-	-	-	-	-	1	-	-	4
Osage (MO)	-	-	-	11,047	-	-	-	-	-	-	-
Portable (MO)	-	-	-	-	-	-	-	-	-	-	-
Rush Island (MO)	555,860	93	-	-	-	-	243	-	-	308	3
Sioux (MO)	449,916	81	-	-	-	-	210	-	-	664	1
Taum Sauk (MO)	-	-	-	-3,412	-	-	-	-	-	-	-
Venice No. 2 (IL)	-	25	8,052	-	-	-	-	-	138	-	38
Vladuct (MO)	-	-	-6	-	-	-	-	-	1	-	-
Unionville City Of	-	15	46	-	-	-	-	-	-	-	1
Unionville (MO)	-	15	46	-	-	-	-	-	-	-	1

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
United Illuminating Company,											
The	210,225	182,555	75,352	-	-	-	84	266	720	142	893
Bridgeport Harbor (CT)	210,225	88,589	-	-	-	-	84	118	-	142	356
English (CT)	-	-366	-	-	-	-	-	-	-	-	4
New Haven Harbor (CT)	-	94,332	75,352	-	-	-	-	148	720	-	533
Steel Point (CT)	-	-	-	-	-	-	-	-	-	-	-
United Power Association	105,135	544	306	-	-	17,777	84	1	5	251	7
Cambridge (MN)	-	-	-	-	-	-	-	-	-	-	1
Elk River (MN)	-	193	306	-	-	17,777	-	1	5	-	1
Maple Lake (MN)	-	-	-	-	-	-	-	-	-	-	1
Rock Lake (MN)	-	-	-	-	-	-	-	-	-	-	2
Stanton (ND)	105,135	351	-	-	-	-	84	1	-	251	1
Upper Peninsula Power Co	18,911	172	-	4,508	-	-	11	1	-	60	12
AuTrain (MI)	-	-	-	37	-	-	-	-	-	-	-
Cataract (MI)	-	-	-	-2	-	-	-	-	-	-	-
Escanaba (MI)	9,313	-	-	-	-	-	6	-	-	27	-
Gladstone (MI)	-	138	-	-	-	-	-	-	-	-	2
Hoist (MI)	-	-	-	377	-	-	-	-	-	-	-
McClure (MI)	-	-	-	1,272	-	-	-	-	-	-	-
Portage (MI)	-	34	-	-	-	-	-	-	-	-	10
Pickett (MI)	-	-	-	367	-	-	-	-	-	-	-
Victoria (MI)	-	-	-	2,457	-	-	-	-	-	-	-
Warden, John H (MI)	9,598	-	-	-	-	-	5	-	-	34	-
Usbia Flathead Project	-	-	-	106	-	-	-	-	-	-	-
Hellroaring (MT)	-	-	-	106	-	-	-	-	-	-	-
Usbia Wapato Irrigation Project ..	-	-	-	545	-	-	-	-	-	-	-
Drop 2 (WA)	-	-	-	545	-	-	-	-	-	-	-
Drop 3 (WA)	-	-	-	-	-	-	-	-	-	-	-
Usbr Rio Grande-Falcon Project ..	-	-	-	20,936	-	-	-	-	-	-	-
Amistad (TX)	-	-	-	18,578	-	-	-	-	-	-	-
Falcon (TX)	-	-	-	2,358	-	-	-	-	-	-	-
USBI San Carlos Proj	-	-	-	-	-	-	-	-	-	-	-
Coolidge (AZ)	-	-	-	-	-	-	-	-	-	-	-
USBR - Lower Colorado Reg	-	-	-	400,826	-	-	-	-	-	-	-
Davis (AZ)	-	-	-	84,309	-	-	-	-	-	-	-
Hoover (NV)	-	-	-	129,481	-	-	-	-	-	-	-
Hoover Dam (AZ)	-	-	-	148,856	-	-	-	-	-	-	-
Parker (CA)	-	-	-	38,180	-	-	-	-	-	-	-
USBR - Lower Missouri Reg	-	-	-	148,171	-	-	-	-	-	-	-
Alcova (WY)	-	-	-	4,309	-	-	-	-	-	-	-
Big Thompson (CO)	-	-	-	255	-	-	-	-	-	-	-
Boysen (WY)	-	-	-	4,996	-	-	-	-	-	-	-
Canyon Ferry (MT)	-	-	-	25,149	-	-	-	-	-	-	-
Estes (CO)	-	-	-	2,948	-	-	-	-	-	-	-
Flatiron (CO)	-	-	-	5,828	-	-	-	-	-	-	-
Fremont Canyon (WY)	-	-	-	10,654	-	-	-	-	-	-	-
Glendo (WY)	-	-	-	2,849	-	-	-	-	-	-	-
Green Mountain (CO)	-	-	-	9,361	-	-	-	-	-	-	-
Guernsey (WY)	-	-	-	2,558	-	-	-	-	-	-	-
Heart Mtn (WY)	-	-	-	4,258	-	-	-	-	-	-	-
Kortes (WY)	-	-	-	6,390	-	-	-	-	-	-	-
Marys Lake (CO)	-	-	-	1,108	-	-	-	-	-	-	-
Mount Elbert (CO)	-	-	-	10,243	-	-	-	-	-	-	-
Pilot Butte (WY)	-	-	-	657	-	-	-	-	-	-	-
Pole Hill (CO)	-	-	-	4,399	-	-	-	-	-	-	-
Seminole (WY)	-	-	-	5,452	-	-	-	-	-	-	-
Yellowtail (MT)	-	-	-	46,757	-	-	-	-	-	-	-
USBR - Mid Pacific Region	-	-	-	345,467	-	-	-	-	-	-	-
Folsom (CA)	-	-	-	18,719	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USBR - Mid Pacific Region											
Jdge F Carr (CA)	-	-	-	87,559	-	-	-	-	-	-	-
Keswick (CA)	-	-	-	30,371	-	-	-	-	-	-	-
Lewiston (CA)	-	-	-	-	-	-	-	-	-	-	-
New Melones (CA)	-	-	-	19,179	-	-	-	-	-	-	-
Nimbus (CA)	-	-	-	2,970	-	-	-	-	-	-	-
Oneill (CA)	-	-	-	-5,736	-	-	-	-	-	-	-
Shasta (CA)	-	-	-	41,527	-	-	-	-	-	-	-
Spring Creek (CA)	-	-	-	87,874	-	-	-	-	-	-	-
Stampede (CA)	-	-	-	228	-	-	-	-	-	-	-
Trinity (CA)	-	-	-	62,776	-	-	-	-	-	-	-
USBR - Pacific NW Region											
Anderson Ranch (ID)	-	-	-	1,442,344	-	-	-	-	-	-	-
Black Canyon (ID)	-	-	-	5,618	-	-	-	-	-	-	-
Boise Hiver Div (ID)	-	-	-	3,324	-	-	-	-	-	-	-
Chandler (WA)	-	-	-	-	-	-	-	-	-	-	-
Grand Coulee (WA)	-	-	-	4,130	-	-	-	-	-	-	-
Green Springs (OR)	-	-	-	1,208,937	-	-	-	-	-	-	-
Hungry Horse (MT)	-	-	-	4,681	-	-	-	-	-	-	-
Minidoka (ID)	-	-	-	154,223	-	-	-	-	-	-	-
Pallisades (ID)	-	-	-	7,743	-	-	-	-	-	-	-
Palisades (ID)	-	-	-	51,663	-	-	-	-	-	-	-
Roza (WA)	-	-	-	2,025	-	-	-	-	-	-	-
USBR - Upper Colorado Reg											
Blue Mesa (CO)	-	-	-	423,166	-	-	-	-	-	-	-
Crystal (CO)	-	-	-	18,776	-	-	-	-	-	-	-
Deer Creek (UT)	-	-	-	13,191	-	-	-	-	-	-	-
Elephant Butte (NM)	-	-	-	2,216	-	-	-	-	-	-	-
Flaming Gorge (UT)	-	-	-	9,114	-	-	-	-	-	-	-
Fontenelle (WY)	-	-	-	22,064	-	-	-	-	-	-	-
Glen Canyon (AZ)	-	-	-	5,663	-	-	-	-	-	-	-
Lower Molina (CO)	-	-	-	325,310	-	-	-	-	-	-	-
Morrow Point (CO)	-	-	-	1,588	-	-	-	-	-	-	-
Upper Molina (CO)	-	-	-	22,557	-	-	-	-	-	-	-
Upper Molina (CO)	-	-	-	2,687	-	-	-	-	-	-	-
USCE - Blakely Mtn											
Blakely Mountain (AR)	-	-	-	10,790	-	-	-	-	-	-	-
D. Gray (AR)	-	-	-	7,197	-	-	-	-	-	-	-
Narrows (AR)	-	-	-	2,958	-	-	-	-	-	-	-
Narrows (AR)	-	-	-	635	-	-	-	-	-	-	-
USCE - Fort Worth District											
R. D. Willis (TX)	-	-	-	15,499	-	-	-	-	-	-	-
Rayburn, Sam (TX)	-	-	-	3,809	-	-	-	-	-	-	-
Whitney (TX)	-	-	-	9,800	-	-	-	-	-	-	-
Whitney (TX)	-	-	-	1,890	-	-	-	-	-	-	-
USCE - Hartwell & Clarkhill											
Clark Hill (SC)	-	-	-	107,784	-	-	-	-	-	-	-
Hartwell Lake (GA)	-	-	-	35,220	-	-	-	-	-	-	-
R B Russell Proj (GA)	-	-	-	43,214	-	-	-	-	-	-	-
R B Russell Proj (GA)	-	-	-	29,350	-	-	-	-	-	-	-
USCE - Kansas City Dist											
Harry Truman (MO)	-	-	-	9,661	-	-	-	-	-	-	-
Stockton (MO)	-	-	-	3,398	-	-	-	-	-	-	-
Wilson (KS)	-	-	-	6,263	-	-	-	-	-	-	-
Wilson (KS)	-	-	-	-	-	-	-	-	-	-	-
USCE - Little Rock											
Beaver (AR)	-	-	-	244,725	-	-	-	-	-	-	-
Bull Shoals (AR)	-	-	-	9,053	-	-	-	-	-	-	-
Dardanelle (AR)	-	-	-	129,615	-	-	-	-	-	-	-
Greers Ferry Lake (AR)	-	-	-	20,914	-	-	-	-	-	-	-
Norfolk (AR)	-	-	-	5,118	-	-	-	-	-	-	-
Ozark (AR)	-	-	-	28,097	-	-	-	-	-	-	-
Table Rock (MO)	-	-	-	13,616	-	-	-	-	-	-	-
Table Rock (MO)	-	-	-	38,312	-	-	-	-	-	-	-
USCE - Mobile District											
Allatoona (GA)	-	-	-	88,468	-	-	-	-	-	-	-
Buford (GA)	-	-	-	9,026	-	-	-	-	-	-	-
Buford (GA)	-	-	-	16,250	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USCE - Mobile District											
Carters (GA)	-	-	-	13,773	-	-	-	-	-	-	-
George, Walter F (GA)	-	-	-	16,362	-	-	-	-	-	-	-
Jones Bluff (AL)	-	-	-	10,421	-	-	-	-	-	-	-
Millers Ferry (AL)	-	-	-	13,792	-	-	-	-	-	-	-
West Point (GA)	-	-	-	11,093	-	-	-	-	-	-	-
Woodruff, J (FL)	-	-	-	7,751	-	-	-	-	-	-	-
USCE - Nashville				133,105							
Barkley (KY)	-	-	-	33,696	-	-	-	-	-	-	-
Center Hill (TN)	-	-	-	8,345	-	-	-	-	-	-	-
Cheatham (TN)	-	-	-	8,624	-	-	-	-	-	-	-
Cordell Hull (TN)	-	-	-	17,840	-	-	-	-	-	-	-
Dale Hollow (TN)	-	-	-	5,013	-	-	-	-	-	-	-
Laurel (KY)	-	-	-	2,751	-	-	-	-	-	-	-
Old Hickory (TN)	-	-	-	19,680	-	-	-	-	-	-	-
Priest, J P (TN)	-	-	-	-77	-	-	-	-	-	-	-
Wolf Creek (KY)	-	-	-	37,233	-	-	-	-	-	-	-
USCE - North Pacific Div				3,488,975							
Albeni Falls (ID)	-	-	-	22,107	-	-	-	-	-	-	-
Big Cliff (OR)	-	-	-	7,081	-	-	-	-	-	-	-
Bonneville (OR)	-	-	-	340,006	-	-	-	-	-	-	-
Chief Joseph (WA)	-	-	-	632,000	-	-	-	-	-	-	-
Cougar (OR)	-	-	-	18,671	-	-	-	-	-	-	-
Dalles (WA)	-	-	-	447,411	-	-	-	-	-	-	-
Day, John (OR)	-	-	-	573,492	-	-	-	-	-	-	-
Detroit (OR)	-	-	-	29,612	-	-	-	-	-	-	-
Dexter (OR)	-	-	-	5,173	-	-	-	-	-	-	-
Dworshak (ID)	-	-	-	279,341	-	-	-	-	-	-	-
Foster (OR)	-	-	-	5,632	-	-	-	-	-	-	-
Green Peter (OR)	-	-	-	15,960	-	-	-	-	-	-	-
Hills Creek (OR)	-	-	-	18,682	-	-	-	-	-	-	-
Ice Harbor (WA)	-	-	-	131,042	-	-	-	-	-	-	-
Libby (MT)	-	-	-	168,669	-	-	-	-	-	-	-
Little Goose (WA)	-	-	-	128,347	-	-	-	-	-	-	-
Lookout Point (OR)	-	-	-	20,688	-	-	-	-	-	-	-
Lost Creek (OR)	-	-	-	22,773	-	-	-	-	-	-	-
Lower Granite (WA)	-	-	-	130,215	-	-	-	-	-	-	-
Lower Monumental (WA)	-	-	-	132,559	-	-	-	-	-	-	-
McNary (OR)	-	-	-	359,514	-	-	-	-	-	-	-
USCE - Omaha District				656,004							
Big Bend (SD)	-	-	-	66,795	-	-	-	-	-	-	-
Fort Peck (MT)	-	-	-	65,930	-	-	-	-	-	-	-
Fort Randall (SD)	-	-	-	178,026	-	-	-	-	-	-	-
Garrison (ND)	-	-	-	92,247	-	-	-	-	-	-	-
Gavins Point (NE)	-	-	-	76,232	-	-	-	-	-	-	-
Oahe (SD)	-	-	-	176,774	-	-	-	-	-	-	-
USCE - St Louis Dist				2,342							
Clarence Canyon (MO)	-	-	-	2,342	-	-	-	-	-	-	-
USCE - St Marys Falls				12,125							
Saint Marys Falls (MI)	-	-	-	12,125	-	-	-	-	-	-	-
USCE - Tulsa District				60,536							
Broken Bow (OK)	-	-	-	2,541	-	-	-	-	-	-	-
Denison (TX)	-	-	-	10,757	-	-	-	-	-	-	-
Eufaula (OK)	-	-	-	11,289	-	-	-	-	-	-	-
Fort Gibson (OK)	-	-	-	3,978	-	-	-	-	-	-	-
Kerr, Robert S (OK)	-	-	-	17,766	-	-	-	-	-	-	-
Keystone (OK)	-	-	-	5,601	-	-	-	-	-	-	-
Tenkiller Ferry (OK)	-	-	-	3,300	-	-	-	-	-	-	-
Webbers Falls (OK)	-	-	-	5,304	-	-	-	-	-	-	-
USCE - Wilmington				15,453							
Kerr, John H (VA)	-	-	-	14,053	-	-	-	-	-	-	-
Philpott Lake (VA)	-	-	-	1,400	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Valley City Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Valley City (ND)	-	-	-	-	-	-	-	-	-	-	-
Vandalia Municipal Utilities	-	4	-	-	-	-	-	*	-	-	2
Vandalia (MO)	-	4	-	-	-	-	-	*	-	-	2
Vermillion City Of	-	-	-	-	-	-	-	-	-	-	-
Vermillion (SD)	-	-	-	-	-	-	-	-	-	-	-
Vermont Electric Cooperative	-	-	-	170	-	-	-	-	-	-	-
N Hartland (VT)	-	-	-	170	-	-	-	-	-	-	-
Vermont Marble Company	-	-	-	2,685	-	-	-	-	-	-	-
Beldens (VT)	-	-	-	623	-	-	-	-	-	-	-
Center Rutland (VT)	-	-	-	105	-	-	-	-	-	-	-
Huntington Falls (VT)	-	-	-	803	-	-	-	-	-	-	-
Proctor (VT)	-	-	-	1,154	-	-	-	-	-	-	-
Vermont Yankee Nuclear Power											
Co	-	-	-	-	-	-	-	-	-	-	-
Vt. Yankee (VT)	-	-	-	-	-	-	-	-	-	-	-
Vero Beach Mun Pwr System	-	27	1	-	-	-	-	1	*	-	31
Municipal Plant (FL)	-	27	1	-	-	-	-	1	*	-	31
Villisca Mun Pwr Plant	-	-	-	-	-	-	-	-	-	-	-
Villisca (IA)	-	-	-	-	-	-	-	-	-	-	-
Vineland Electric Utility	-	1,104	-	-	-	-	-	4	-	13	31
Down, Howard (NJ)	-	547	-	-	-	-	-	2	-	13	21
West (NJ)	-	557	-	-	-	-	-	2	-	-	10
Vinton Municipal Lt Plant	-	79	716	-	-	-	-	*	10	-	*
Vinton (IA)	-	79	716	-	-	-	-	*	10	-	*
Viola Municipal Elec Utility	-	-	-	-	-	-	-	-	-	-	-
Viola (WI)	-	-	-	-	-	-	-	-	-	-	-
Virginia Electric & Power Co	2,194,388	72,719	132,921	-64,546	1,552,887	4	860	118	1,092	1,816	2,729
* Central Storage	-	-	-	-	-	-	-	-	-	-	1,344
Bath County (VA)	-	-	-	-84,599	-	-	-	-	-	-	-
Bremo Bluff (VA)	79,399	261	-	-	-	-	32	*	-	142	4
Chesterfield (VA)	627,387	779	118,633	-	-	-	244	1	933	373	97
Cushaw (VA)	-	-	-	737	-	-	-	-	-	-	-
Darbytown (VA)	-	11,041	-	-	-	-	-	23	-	-	86
Gaston (NC)	-	-	-	10,597	-	-	-	-	-	-	-
Gravel Neck (VA)	-	7,075	9,567	-	-	-	-	15	116	-	68
Kitty Hawk (NC)	-	369	-	-	-	-	-	1	-	-	24
Low Moor (VA)	-	627	-	-	-	-	-	2	-	-	30
Mt Storm (WV)	985,258	1,789	-	-	-	-	387	2	-	803	34
North Anna (VA)	-	-	-	139	646,610	4	-	-	-	-	-
Northern Neck (VA)	-	665	-	-	-	-	-	2	-	-	31
Portsmouth (VA)	285,088	2,216	143	-	-	-	110	5	2	202	21
Possum Point (VA)	79,016	30,892	-	-	-	-	33	45	-	159	859
Roanoke Rapids (NC)	-	-	-	8,580	-	-	-	-	-	-	-
Surry (VA)	-	-	-	-	906,277	-	-	-	-	-	-
Yorktown (VA)	138,240	17,005	4,578	-	-	-	54	22	40	138	130
Virginia Pub Utils Comm	3,924	-	21	-	-	-	5	-	*	-	-
Virginia (MN)	3,924	-	21	-	-	-	5	-	*	-	-
Wahoo Municipal Light Plant	-	-38	-	-	-	-	-	*	*	-	*
Wahoo (NE)	-	-38	-	-	-	-	-	*	*	-	*
Wallingford City Of	-	-	-	-	-	-	-	-	-	-	7
Pierce (CT)	-	-	-	-	-	-	-	-	-	-	7
Wamego City Of	-	78	670	-	-	-	-	*	5	-	1
Wamego (KS)	-	78	670	-	-	-	-	*	5	-	1

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Warren City Of	-	-	-	-	-	-	-	-	-	-	-
Warren (MN)	-	-	-	-	-	-	-	-	-	-	-
Washington City Of	-	18	81	-	-	-	-	*	1	-	*
Washington (KS)	-	18	81	-	-	-	-	*	1	-	*
Washington Electric Cooperative	-	-	-	151	-	-	-	-	-	-	-
Wrightsville (VT)	-	-	-	151	-	-	-	-	-	-	-
Washington Island Elec Coop	-	1	-	-	-	-	-	*	-	-	1
Washington Island (WI)	-	1	-	-	-	-	-	*	-	-	1
Washington Public Power Supply	-	-	-	-	-	-	-	-	-	-	-
Sys	-	-	-	7,088	616,853	-	-	-	-	-	-
Hanford (WA)	-	-	-	-	-	-	-	-	-	-	-
Packwood (WA)	-	-	-	7,088	-	-	-	-	-	-	-
WNP-2 (WA)	-	-	-	-	616,853	-	-	-	-	-	-
Washington Wtr Pwr Co, The	-	-	73	189,565	-	34,466	-	-	2	-	-
Cabinet Gorge (ID)	-	-	-	58,632	-	-	-	-	-	-	-
Kettle Fls (WA)	-	-	-	-	-	34,466	-	-	-	-	-
Little Falls (WA)	-	-	-	8,156	-	-	-	-	-	-	-
Long Lake (WA)	-	-	-	19,468	-	-	-	-	-	-	-
Meyers Falls (WA)	-	-	-	337	-	-	-	-	-	-	-
Monroe Street (WA)	-	-	-	-	-	-	-	-	-	-	-
Nine Mile (WA)	-	-	-	4,362	-	-	-	-	-	-	-
Northeast (WA)	-	-	73	-	-	-	-	-	1	-	-
Noxon Rapids (MT)	-	-	-	90,467	-	-	-	-	-	-	-
Post Falls (ID)	-	-	-	3,234	-	-	-	-	-	-	-
Upper Falls (WA)	-	-	-	4,929	-	-	-	-	-	-	-
Waterloo City Light & Power	-	9	94	-	-	-	-	*	1	-	1
Waterloo (IL)	-	9	94	-	-	-	-	*	1	-	1
Watertown City Of	-	-	-	890	-	-	-	-	-	-	-
Watertown (NY)	-	-	-	890	-	-	-	-	-	-	-
Wauchula City Of	-	-	-	-	-	-	-	-	-	-	2
Wauchula (FL)	-	-	-	-	-	-	-	-	-	-	2
Waverly City Of	-	34	278	256	-	-	-	*	3	-	1
East Hydro (IA)	-	-	-	256	-	-	-	-	-	-	-
East Plant (IA)	-	-	-	-	-	-	-	-	-	-	-
North Plant (IA)	-	34	278	-	-	-	-	*	3	-	1
Wayne City Of	-	76	-	-	-	-	-	*	-	-	1
Wayne (NE)	-	76	-	-	-	-	-	*	-	-	1
Weatherford City Of	-	-	-	-	-	-	-	-	-	-	-
Weatherford (TX)	-	-	-	-	-	-	-	-	-	-	-
Weber Basin Water Conservancy	-	-	-	-	-	-	-	-	-	-	-
Dist'	-	-	-	2,808	-	-	-	-	-	-	-
Gateway (UT)	-	-	-	1,855	-	-	-	-	-	-	-
Wanship (UT)	-	-	-	953	-	-	-	-	-	-	-
Webster City Mun Lt & Pwr	-	-	-	-	-	-	-	-	-	-	-
Webster City (IA)	-	-	-	-	-	-	-	-	-	-	-
Wellington City Of	-	68	234	-	-	-	-	*	4	-	3
Wellington (KS)	-	68	234	-	-	-	-	*	4	-	3
Wells Electric Association	-	-	-	-	-	-	-	-	-	-	*
Wells (MN)	-	-	-	-	-	-	-	-	-	-	*
Welsh City Of	-	-	-	-	-	-	-	-	-	-	-
Welsh (LA)	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
West Bend Mun Power Plant	-	9	41	-	-	-	-	*	1	-	*
West Bend (IA)	-	9	41	-	-	-	-	*	1	-	*
West Liberty Municipal Elec Util ..	-	50	3	-	-	-	-	*	*	-	1
West Liberty (IA)	-	50	3	-	-	-	-	*	*	-	1
West Penn Power Co (APS)	1,220,275	242	636	6,015	-	-	472	*	6	746	69
Armstrong (PA)	185,685	202	-	-	-	-	77	*	-	145	*
Hatfields Ferry (PA)	972,958	40	-	-	-	-	368	*	-	516	1
Lake Lynn (WV)	-	-	-	6,015	-	-	-	-	-	-	-
Mitchell (PA)	61,632	-	636	-	-	-	27	-	6	85	68
Springdale (PA)	-	-	-	-	-	-	-	-	-	-	-
West Point Light & Water Works	-	11	112	-	-	-	-	*	1	-	*
West Point (NE)	-	11	112	-	-	-	-	*	1	-	*
West Texas Utilities Co (CSW)	412,942	646	387,958	-	-	-	254	1	3,921	392	280
* Central Storage *	-	-	-	-	-	-	-	-	-	-	-
Abilene (TX)	-	-	10	-	-	-	-	-	*	-	4
Concho (TX)	-	-	-31	-	-	-	-	-	-	-	3
Fort Phantom (TX)	-	-	157,351	-	-	-	-	-	1,610	-	102
Ft Stockton (TX)	-	-	-	-	-	-	-	-	-	-	-
Lake Pauline (TX)	-	-	-150	-	-	-	-	-	2	-	18
Oak Creek (TX)	-	-	39,191	-	-	-	-	-	388	-	30
Oklahoma (TX)	412,942	644	-	-	-	-	254	1	-	392	6
Paint Creek (TX)	-	-	35,346	-	-	-	-	-	396	-	74
Presidio (TX)	-	2	-	-	-	-	-	*	-	-	*
Rio Pecos (TX)	-	-	78,271	-	-	-	-	-	819	-	19
San Angelo (TX)	-	-	77,976	-	-	-	-	-	707	-	23
Vernon (TX)	-	-	-6	-	-	-	-	-	-	-	1
Westbrook Mun Lt & Pwr Plant ...	-	-	-	-	-	-	-	-	-	-	*
Westbrook (MN)	-	-	-	-	-	-	-	-	-	-	*
Western Farmers Elec Coop	169,657	110	205,057	-	-	-	105	*	1,872	210	44
Anadarko (OK)	-	-	124,655	-	-	-	-	-	1,058	-	41
Cherokee (OK)	-	-	-	-	-	-	-	-	-	-	-
Hugo (OK)	169,657	110	-	-	-	-	105	*	-	210	3
Mooreland (OK)	-	-	80,402	-	-	-	-	-	814	-	-
Woodward (OK)	-	-	-	-	-	-	-	-	-	-	-
Western Illinois Pwr Coop, inc ...	8,736	238	-	-	-	-	5	1	-	19	3
Pearl Station (IL)	8,736	121	-	-	-	-	5	*	-	19	2
Pittsfield (IL)	-	80	-	-	-	-	-	*	-	-	*
Winchester (IL)	-	37	-	-	-	-	-	*	-	-	*
Western Mass Electric Co (NU) ...	-	3,252	36,070	-17,025	-	-	-	7	410	-	145
Cabot (MA)	-	-	-	13,578	-	-	-	-	-	-	-
Cobble Mountain (MA)	-	-	-	1,370	-	-	-	-	-	-	-
Doreen (MA)	-	42	-	-	-	-	-	*	-	-	1
Dwight (MA)	-	-	-	97	-	-	-	-	-	-	-
Gardners Falls (MA)	-	-	-	675	-	-	-	-	-	-	-
Indian Orchard (MA)	-	-	-	235	-	-	-	-	-	-	-
Northfield Mountain (MA)	-	-	-	-33,492	-	-	-	-	-	-	-
Putts Bridge (MA)	-	-	-	517	-	-	-	-	-	-	-
Red Bridge (MA)	-	-	-	-2	-	-	-	-	-	-	-
Silver Lake (MA)	-	164	-	-	-	-	-	1	-	-	4
Turners Falls (MA)	-	-	-	-3	-	-	-	-	-	-	-
West Springfield (MA)	-	2,963	36,070	-	-	-	-	6	410	-	139
Woodland Road (MA)	-	83	-	-	-	-	-	*	-	-	1
Whittemore Mun Lt & Pwr Co	-	-	-	-	-	-	-	-	-	-	-
Whittemore (IA)	-	-	-	-	-	-	-	-	-	-	-
Wilber City Of	-	-	-	-	-	-	-	-	-	-	-
Wilber (NE)	-	-	-	-	-	-	-	-	-	-	-
Wilmar Municipal Util Comm	2,107	-	-	-	-	-	3	-	-	6	-
Wilmar (MN)	2,107	-	-	-	-	-	3	-	-	6	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Wilton Mun Lt & Pwr System	-	-	-	-	-	-	-	-	-	-	-
Wilton Junction (IA)	-	-	-	-	-	-	-	-	-	-	-
Windom Municipal Utilities	-	-	-	-	-	-	-	-	-	-	-
Windom (MN)	-	-	-	-	-	-	-	-	-	-	-
Winfield Mun Light & Power Plt ...	-	-	6,027	-	-	-	-	-	67	-	9
Winfield (KS)	-	-	41	-	-	-	-	-	1	-	9
Winfield (KS)	-	-	5,986	-	-	-	-	-	67	-	-
Winnetka, Village Of	-	38	2,702	-	-	-	-	*	46	*	2
Winnetka (IL)	-	38	2,702	-	-	-	-	*	46	*	2
Winterset City Of	-	23	280	-	-	-	-	*	7	-	1
Winterset (IA)	-	23	280	-	-	-	-	*	7	-	1
Wisconsin Electric Power Co	1,070,573	4,804	7,394	23,589	690,717	-	608	11	78	2,174	55
* Central Storage *	-	-	-	-	-	-	-	-	-	-	16
Appleton (WI)	-	-	-	972	-	-	-	-	-	-	-
Big Quinnesec 61 (MI)	-	-	-	-	-	-	-	-	-	-	-
Big Quinnesec 92 (MI)	-	-	-	7,453	-	-	-	-	-	-	-
Brule (MI)	-	-	-	816	-	-	-	-	-	-	-
Chalk Hill (MI)	-	-	-	1,838	-	-	-	-	-	-	-
Germantown (WI)	-	3,381	-	-	-	-	-	8	-	-	12
Hemlock Falls (MI)	-	-	-	544	-	-	-	-	-	-	-
Kingsford (MI)	-	-	-	2,037	-	-	-	-	-	-	-
Lower Paint (MI)	-	-	-	56	-	-	-	-	-	-	-
Michigamme Falls (MI)	-	-	-	2,208	-	-	-	-	-	-	-
Oconto Falls (WI)	-	-	-	605	-	-	-	-	-	-	-
Peavy Falls (MI)	-	-	-	186	-	-	-	-	-	-	-
Pine (WI)	-	-	-	1,607	-	-	-	-	-	-	-
Pleasant Prairie (WI)	564,184	7	1,837	-	-	-	371	*	20	755	8
Point Beach (WI)	-	151	-	-	690,717	-	-	1	-	-	2
Port Washington (WI)	22,691	161	-	-	-	-	13	1	-	100	3
Presque Isle (MI)	105,021	305	-	-	-	-	69	1	-	958	4
South Oak Creek (WI)	329,803	792	5,073	-	-	-	129	1	53	334	9
Sturgeon (MI)	-	-	-	378	-	-	-	-	-	-	-
Twin Falls (MI)	-	-	-	2,103	-	-	-	-	-	-	-
Valley (WI)	48,874	7	484	-	-	-	26	*	5	26	*
Way (MI)	-	-	-	279	-	-	-	-	-	-	-
Weyauwega (WI)	-	-	-	-	-	-	-	-	-	-	-
White Rapids (MI)	-	-	-	2,507	-	-	-	-	-	-	-
Wisconsin Power & Light Co	858,921	1,008	5,433	22,149	-	-	496	2	62	964	21
Blackhawk (WI)	-	-	1,757	143	-	-	-	-	27	-	-
Columbia (WI)	431,440	518	-	-	-	-	263	1	-	401	6
Dewey, Nelson (WI)	86,533	17	-	-	-	-	48	*	-	236	*
Edgewater (WI)	302,704	394	-	-	-	-	166	1	-	281	4
Janesville (WI)	-	-	-	76	-	-	-	-	-	-	-
Kilbourn (WI)	-	-	-	6,633	-	-	-	-	-	-	-
Portable (WI)	-	2	-	-	-	-	-	*	-	-	*
Prairie Du Sac (WI)	-	-	-	14,873	-	-	-	-	-	-	-
Rock River (WI)	38,244	77	3,066	-	-	-	19	*	24	46	8
Shawano (WI)	-	-	-	424	-	-	-	-	-	-	-
Sheepskin (WI)	-	-	610	-	-	-	-	-	11	-	4
Wisconsin Public Service Corp	367,999	351	5,526	29,621	372,325	3	205	1	75	472	32
Alexander (WI)	-	-	-	2,475	-	-	-	-	-	-	-
Caldron Falls (WI)	-	-	-	2,554	-	-	-	-	-	-	-
Eagle River (WI)	-	4	-	-	-	-	-	*	-	-	1
Grand Rapids (MI)	-	-	-	2,633	-	-	-	-	-	-	-
Grandfather Falls (WI)	-	-	-	10,420	-	-	-	-	-	-	-
Hat Rapids (WI)	-	-	-	559	-	-	-	-	-	-	-
High Falls (WI)	-	-	-	1,579	-	-	-	-	-	-	-
Jersey (WI)	-	-	-	121	-	-	-	-	-	-	-
Johnson Falls (WI)	-	-	-	1,089	-	-	-	-	-	-	-
Kewaunee (WI)	-	-	-	-	-	3	-	-	-	-	-
Kewaunee (WI)	-	-	-	-	372,325	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Wisconsin Public Service Corp											
Merrill (WI)	-	-	-	979	-	-	-	-	-	-	-
Otter Rapids (WI)	-	-	-	186	-	-	-	-	-	-	-
Peshtigo (WI)	-	-	-	385	-	-	-	-	-	-	-
Potato Rapids (WI)	-	-	-	622	-	-	-	-	-	-	-
Pulliam (WI)	125,404	-	1,506	-	-	-	65	-	19	276	1
Sandstone Rapids (WI)	-	-	-	1,204	-	-	-	-	-	-	-
Tomahawk (WI)	-	-	-	1,187	-	-	-	-	-	-	-
Wausau (WI)	-	-	-	3,628	-	-	-	-	-	-	-
West Marinette (WI)	-	-	1,603	-	-	-	-	-	23	-	11
Weston (WI)	242,595	347	2,417	-	-	-	140	1	33	196	19
Wisconsin River Power Company	-	-	-	21,509	-	-	-	-	-	-	-
Castle Rock (WI)	-	-	-	10,370	-	-	-	-	-	-	-
Petenwell (WI)	-	-	-	11,139	-	-	-	-	-	-	-
Wisner Elec Lt & Wtr Dept	-	-	-	-	-	-	-	-	-	-	-
Wisner (NE)	-	-	-	-	-	-	-	-	-	-	-
Wolf Creek Nuclear Corporation ..	-	-	-	-	819,374	-	-	-	-	-	-
Wolf Creek (KS)	-	-	-	-	819,374	-	-	-	-	-	-
Wolverine Electric Coop, Inc	16,093	407	13,377	478	-	-	-	1	147	63	13
Advance (MI)	16,093	171	-	-	-	-	8	*	-	63	*
Beaver Island (MI)	-	-5	-	-	-	-	-	-	-	-	2
Johnson, George (MI)	-	15	214	-	-	-	-	*	3	-	2
Kleber (MI)	-	-	-	353	-	-	-	-	-	-	-
Scottville (MI)	-	-13	-	-	-	-	-	-	-	-	*
Tower (MI)	-	35	-	-	-	-	-	*	-	-	4
Tower Hydro (MI)	-	-	-	125	-	-	-	-	-	-	-
Vandyke, Claude (MI)	-	146	13,163	-	-	-	-	*	144	-	3
Vestaburg (MI)	-	55	-	-	-	-	-	*	-	-	1
Winder, C A (MI)	-	3	-	-	-	-	-	*	-	-	1
Wolverine Power Corporation	-	-	-	2,337	-	-	-	-	-	-	-
Edenville (MI)	-	-	-	1,151	-	-	-	-	-	-	-
Sanford (MI)	-	-	-	618	-	-	-	-	-	-	-
Secord (MI)	-	-	-	326	-	-	-	-	-	-	-
Smallwood (MI)	-	-	-	242	-	-	-	-	-	-	-
Woodsfield Elec Light Plant	-	-	-	-	-	-	-	-	-	-	-
Anadarko (OH)	-	-	-	-	-	-	-	-	-	-	-
Wrangell Light Plant	-	-	-	-	-	-	-	-	-	-	*
Wrangell (AK)	-	-	-	-	-	-	-	-	-	-	*
Wyandotte Dept Of Mun Service ..	19,707	138	11	-	-	-	11	*	*	13	-
Wyandotte (MI)	19,707	138	11	-	-	-	11	*	*	13	-
Yadkin, Inc	-	-	-	44,492	-	-	-	-	-	-	-
Falls (NC)	-	-	-	6,328	-	-	-	-	-	-	-
High Rock (NC)	-	-	-	7,401	-	-	-	-	-	-	-
Narrows (NC)	-	-	-	23,264	-	-	-	-	-	-	-
Tuckertown (NC)	-	-	-	7,499	-	-	-	-	-	-	-
Yakutat Power Inc	-	397	-	-	-	-	-	1	-	-	-
Yakutat (AK)	-	397	-	-	-	-	-	1	-	-	-
Yankee Atomic Electric Company	-	-	-	-	-	-	-	-	-	-	-
Yankee - Rowe (N'A)	-	-	-	-	-	-	-	-	-	-	-
Yazoo City Public Service Comm	-	-	-	-	-	-	-	-	-	-	-
Yazoo (MS)	-	-	-	-	-	-	-	-	-	-	-
Yuba County Water Agency	-	-	-	37,155	-	-	-	-	-	-	-
Fish Power (CA)	-	-	-	96	-	-	-	-	-	-	-
New Colgate (CA)	-	-	-	36,889	-	-	-	-	-	-	-
New Narrows (CA)	-	-	-	170	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. Net Generation, Fuel Consumption, and Fuel Stocks, by Company and Plant, September 1990 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Yuma City Of	-	-	-	-	-	-	-	-	-	-	-
Yuma (CO)	-	-	-	-	-	-	-	-	-	-	-
Zeeland Board Of Public Works ..	-	169	1,644	-	-	-	-	*	16	-	1
Zeeland (MI)	-	169	1,644	-	-	-	-	*	16	-	1
U. S. Total	135,248,387	7,981,101	28,189,598	16,968,971	48,404,647	874,847	66,948	13,354	299,595	149,120	75,873

¹ Other energy sources include geothermal, solar, wood, wind, and waste.

* = Number less than 0.5 rounded to zero.

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

Notes: •Totals may not equal sum of components because of independent rounding. •Net generation for jointly owned units is reported by the operator. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Station losses include energy used for pumped storage. •Generation is included for plants in test status. •Nuclear generation is included for those plants with an operating license issued authorizing fuel loading/low power testing prior to receipt of full power amendment. •Central storage is a common area for fuel stocks not assigned to specific plants. •Mcf=thousand cubic feet and bbls=barrels. •Data for 1990 are preliminary.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Plant Aggregates: Quantity, Cost, Quality of Fossil Fuels

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity		Average Delivered Cost		Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity		Average Delivered Cost	Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)	Avg. Sul- fur %		Quantity 1,000 bbbls	(Cents per 10 ⁶ Btu)	\$ per bbl	Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Alabama Electric Coop Inc	162	158.4	37.62	1.44	*	758.6	41.58	0.10	-	-	-	100	*	-
Lowman (AL)	162	158.4	37.62	1.44	*	758.6	41.58	.10	-	-	-	100	*	-
Alabama Power Co	1,291	206.5	50.71	1.44	16	651.6	37.82	.48	202	187.0	1.91	99	*	1
Barry (AL)	86	212.6	54.20	.95	-	-	-	-	21	161.0	1.65	99	-	1
Gadsden (AL)	10	212.5	54.04	1.78	*	655.7	38.09	.46	2	342.8	3.49	98	1	1
Gaston (AL)	339	187.9	46.34	2.25	*	636.1	37.09	.43	-	-	-	100	*	-
Gorgas 2 and 3 (AL)	462	174.7	41.53	1.57	*	638.0	36.75	.41	-	-	-	100	*	-
Greene (AL)	65	217.4	55.40	1.19	1	689.1	38.94	.47	-	-	-	100	*	-
James Miller (AL)	329	253.5	66.11	.58	14	650.5	37.80	.48	179	188.8	1.93	97	1	2
Alamito Co	155	198.0	37.20	.72	-	-	-	-	-	-	-	100	-	-
Springerville (AZ)	155	198.0	37.20	.72	-	-	-	-	-	-	-	100	-	-
Alexandria City Of	-	-	-	-	-	-	-	-	14	188.0	1.96	-	-	100
Alexandria-Hunter (LA)	-	-	-	-	-	-	-	-	14	188.0	1.96	-	-	100
Ames City Of	22	123.0	21.75	.22	1	603.0	35.86	.30	-	-	-	99	1	-
Ames (IA)	22	123.0	21.75	.22	1	603.0	35.86	.30	-	-	-	99	1	-
Appalachian Power Co (AEP)	839	161.2	40.32	.79	12	752.8	43.71	.00	-	-	-	100	*	-
Amos (WV)	451	175.5	43.92	.83	1	1,467.7	85.53	.00	-	-	-	100	*	-
Clinch River (VA)	138	116.2	29.08	.78	*	613.3	36.12	.00	-	-	-	100	*	-
Glen Lyn (VA)	36	164.5	41.25	.83	2	705.8	41.21	.00	-	-	-	99	1	-
Kanawha River (WV)	43	160.3	40.52	.74	*	862.3	49.90	.00	-	-	-	100	*	-
Mountaineer (WV)	172	159.0	39.64	.69	9	707.6	41.03	.00	-	-	-	99	1	-
Arizona Electric Pwr Coop Inc	101	166.3	37.87	.49	-	-	-	-	122	197.6	2.03	95	-	5
Apache (AZ)	101	166.3	37.87	.49	-	-	-	-	122	197.6	2.03	95	-	5
Arizona Public Service Co	961	126.4	22.76	.73	3	647.0	38.02	.36	364	258.5	2.66	98	*	2
Cholla (AZ)	250	166.3	32.53	.46	3	647.0	38.02	.36	10	354.0	3.65	99	*	*
Four Corners (NM)	711	110.7	19.32	.82	-	-	-	-	73	294.0	3.01	99	-	1
Ocotillo (AZ)	-	-	-	-	-	-	-	-	40	208.0	2.15	-	-	100
Yucca (AZ)	-	-	-	-	-	-	-	-	241	252.3	2.59	-	-	100
Arkansas Power & Light Co (MSU)	685	152.2	26.84	.29	12	499.2	28.96	.30	4,244	143.4	1.46	73	*	26
Couch (AR)	-	-	-	-	-	-	-	-	371	106.9	1.18	-	-	100
Independence (AR)	413	138.4	24.46	.18	10	500.6	29.06	.30	-	-	-	99	1	-
Lake Catherine (AR)	-	-	-	-	-	-	-	-	1,470	143.8	1.45	-	-	100
Ritchie (AR)	-	-	-	-	-	-	-	-	2,404	149.2	1.50	-	-	100
Whitebluff (AR)	272	173.3	30.45	.47	1	489.1	28.20	.30	-	-	-	100	*	-
Associated Electric Coop Inc	400	137.0	28.51	3.21	-	-	-	-	-	-	-	100	-	-
Hill (MO)	185	163.0	34.59	4.28	-	-	-	-	-	-	-	100	-	-
Madrid (MO)	216	113.9	23.30	2.28	-	-	-	-	-	-	-	100	-	-
Atlantic City Electric Co (ACE)	46	173.2	45.06	2.68	73	453.1	28.99	.99	-	-	-	72	28	-
England (NJ)	46	173.2	45.06	2.68	73	453.1	28.99	.99	-	-	-	72	28	-
Austin City Of	-	-	-	-	-	-	-	-	2,080	180.9	1.82	-	-	100
Decker Creek (TX)	-	-	-	-	-	-	-	-	1,356	180.9	1.82	-	-	100
Holly (TX)	-	-	-	-	-	-	-	-	725	180.9	1.82	-	-	100
Baltimore Gas & Electric Co	341	155.8	40.24	1.10	318	388.7	24.48	.98	746	231.7	2.40	76	17	7
Brandon Shores (MD)	178	155.2	39.54	.69	-	-	-	-	-	-	-	100	-	-
Crane (MD)	85	154.9	40.84	2.20	-	-	-	-	-	-	-	100	-	-
Gould St (MD)	-	-	-	-	26	382.2	24.04	.99	-	-	-	-	100	-
Riverside (MD)	-	-	-	-	83	383.1	24.17	.99	179	231.7	2.40	-	74	26
Wagner (MD)	78	158.2	41.20	.84	172	395.7	24.92	.98	567	231.7	2.40	55	29	16
Westport (MD)	-	-	-	-	37	373.4	23.48	.99	-	-	-	-	100	-
Basin Electric Power Coop	999	63.5	9.54	.49	4	704.4	40.79	.34	-	-	-	100	*	-
Antelope Valley (ND)	356	67.0	9.00	.61	-	-	-	-	-	-	-	100	-	-
Laramie River (WY)	536	57.2	9.39	.38	2	700.6	40.57	.34	-	-	-	100	*	-
Leland Olds (ND)	107	91.3	12.05	.62	2	707.6	40.98	.34	-	-	-	99	1	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pet- ro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Big Rivers Electric Corp	446	122.2	27.39	3.49	-	-	-	-	1	342.6	3.43	100	-	*
Coleman (KY)	148	105.0	24.10	2.70	-	-	-	-	1	342.6	3.43	100	-	*
R D Green (KY)	134	127.2	26.96	4.38	-	-	-	-	-	-	-	100	-	-
Raid-Henderson (KY)	82	124.8	29.34	2.64	-	-	-	-	-	-	-	100	-	-
Wilson (KY)	81	143.9	32.14	4.34	-	-	-	-	-	-	-	100	-	-
Boston Edison Co	-	-	-	-	232	362.6	22.79	0.94	4,120	241.2	2.55	-	25	75
Mystic (MA)	-	-	-	-	232	362.6	22.79	.94	1,822	241.7	2.63	-	42	58
New Boston (MA)	-	-	-	-	-	-	-	-	2,298	240.7	2.49	-	-	100
Brazos Electric Power Coop Inc	-	-	-	-	-	-	-	-	1,425	167.9	1.71	-	-	100
Miller (TX)	-	-	-	-	-	-	-	-	1,379	167.5	1.70	-	-	100
North Texas (TX)	-	-	-	-	-	-	-	-	46	180.3	2.02	-	-	100
Bryan City Of	-	-	-	-	-	-	-	-	498	145.2	1.55	-	-	100
Bryan (TX)	-	-	-	-	-	-	-	-	90	157.0	1.68	-	-	100
Dansby (TX)	-	-	-	-	-	-	-	-	408	142.6	1.52	-	-	100
Burbank City Of	-	-	-	-	-	-	-	-	290	299.1	3.07	-	-	100
Magnolia-Olive (CA)	-	-	-	-	-	-	-	-	290	299.1	3.07	-	-	100
Cajun Electric Power Coop Inc	497	164.4	28.47	.43	5	661.8	38.91	.00	726	149.7	1.56	92	*	8
Big Cajun No.1 (LA)	-	-	-	-	-	-	-	-	726	149.7	1.56	-	-	100
Big Cajun No.2 (LA)	497	164.4	28.47	.43	5	661.8	38.91	.00	-	-	-	100	*	-
Cambridge Electric Light Co (CES)	-	-	-	-	-	-	-	-	133	439.4	4.39	-	-	100
Kendall Square (MA)	-	-	-	-	-	-	-	-	133	439.4	4.39	-	-	100
Canal Electric Co (CES)	-	-	-	-	351	306.1	19.29	2.14	-	-	-	-	100	-
Canal (MA)	-	-	-	-	351	306.1	19.29	2.14	-	-	-	-	100	-
Cardinal Operating Co (AEP)	332	150.7	36.14	2.32	-	-	-	-	-	-	-	100	-	-
Cardinal (OH)	332	150.7	36.14	2.32	-	-	-	-	-	-	-	100	-	-
Carolina Power & Light Co	574	179.5	45.25	.92	8	612.9	35.53	.20	-	-	-	100	*	-
Asheville (NC)	66	132.1	35.23	1.17	1	615.5	35.67	.20	-	-	-	100	*	-
Cape Fear (NC)	35	207.3	53.26	1.04	-	613.1	35.54	.20	-	-	-	100	*	-
Lee (NC)	10	218.5	56.23	1.04	-	-	-	-	-	-	-	100	-	-
Mayo (NC)	75	197.0	48.11	.65	-	601.4	34.86	.20	-	-	-	100	*	-
Robinson (SC)	12	177.0	43.50	1.23	1	631.7	36.61	.20	-	-	-	99	1	-
Roxboro (NC)	335	181.5	45.27	.88	6	613.1	35.54	.20	-	-	-	100	*	-
Sutton (NC)	27	181.5	48.10	1.12	1	605.5	35.09	.20	-	-	-	99	1	-
Weatherspoon (NC)	12	177.1	44.38	1.10	-	-	-	-	-	-	-	100	-	-
Cedar Falls City Of	-	-	-	-	-	-	-	-	8	209.0	2.09	-	-	100
Streeter (IA)	-	-	-	-	-	-	-	-	8	209.0	2.09	-	-	100
Centel Corp	-	-	-	-	-	-	-	-	914	150.9	1.43	-	-	100
Cimarron River (KS)	-	-	-	-	-	-	-	-	178	189.2	1.85	-	-	100
Large (KS)	-	-	-	-	-	-	-	-	635	139.3	1.30	-	-	100
Mullergren (KS)	-	-	-	-	-	-	-	-	100	153.0	1.50	-	-	100
Central Electric Pwr Coop-MO	15	130.1	28.23	2.81	-	-	-	-	-	-	-	100	-	-
Chamois (MO)	15	130.1	28.23	2.81	-	-	-	-	-	-	-	100	-	-
Central Hudson Gas & Elec Corp	75	202.3	52.91	.58	762	383.1	24.43	1.38	696	243.7	2.52	26	65	10
Danskammer (NY)	75	202.3	52.91	.58	-	652.4	38.22	.10	696	243.7	2.52	73	*	27
Roseton (NY)	-	-	-	-	762	383.1	24.43	1.38	-	-	-	-	100	-
Central Illinois Light Co	177	174.0	41.21	2.09	1	666.6	38.74	.23	-	-	-	100	*	-
Duck Creek (IL)	81	183.5	39.08	3.37	1	666.8	38.82	.24	-	-	-	100	*	-
Edwards (IL)	96	167.3	43.01	1.02	1	666.4	38.64	.21	-	-	-	100	*	-
Central Illinois Pub Serv Co	312	157.6	35.39	2.07	5	691.9	40.08	.32	-	-	-	100	*	-
Coffeen (IL)	102	162.9	34.44	3.57	-	701.7	40.58	.30	-	-	-	100	*	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Central Illinois Pub Serv Co														
Grand Tower (IL)	10	165.5	38.57	2.96	1	708.3	41.18	0.17	-	-	-	98	2	-
Hutsonville (IL)	18	147.1	33.21	2.76	-	-	-	-	-	-	-	100	-	-
Meredosia (IL)	32	146.7	33.53	2.50	1	727.6	42.18	.29	-	-	-	99	1	-
Newton (IL)	150	157.3	36.49	.82	3	673.4	38.97	.37	-	-	-	100	*	-
Central Iowa Power Coop	12	118.2	26.09	2.94	-	-	-	-	*	322.6	3.33	100	-	*
Fair Station (IA)	12	118.2	26.09	2.94	-	-	-	-	*	322.6	3.33	100	-	*
Central Louisiana Elec Co Inc	447	156.8	23.71	.53	-	-	-	-	2,789	204.1	2.13	70	-	30
Coughlin (LA)	-	-	-	-	-	-	-	-	421	177.7	1.89	-	-	100
Dolet Hills (LA)	288	128.4	17.65	.56	-	-	-	-	10	201.1	2.07	100	-	*
Rodemacher (LA)	159	196.9	34.68	.48	-	-	-	-	1,244	179.7	1.86	69	-	31
Teche (LA)	-	-	-	-	-	-	-	-	1,114	241.2	2.53	-	-	100
Central Nebraska Pub P&I Dist	-	-	-	-	-	-	-	-	403	182.9	1.53	-	-	100
Canaday (NE)	-	-	-	-	-	-	-	-	403	182.9	1.53	-	-	100
Central Operating Co (AEP)	183	134.4	33.34	1.08	-	-	-	-	-	-	-	100	-	-
Sporn (WV)	183	134.4	33.34	1.08	-	-	-	-	-	-	-	100	-	-
Central Power & Light Co (CSW) ...	138	215.5	45.76	.39	-	-	-	-	8,242	196.6	2.07	25	-	75
Bates (TX)	-	-	-	-	-	-	-	-	458	225.4	2.40	-	-	100
Coleto Creek (TX)	138	215.5	45.76	.39	-	-	-	-	-	-	-	100	-	-
Davis (TX)	-	-	-	-	-	-	-	-	2,455	212.8	2.18	-	-	100
Hill (TX)	-	-	-	-	-	-	-	-	1,082	159.3	1.72	-	-	100
Joslin (TX)	-	-	-	-	-	-	-	-	835	169.4	1.79	-	-	100
La Palma (TX)	-	-	-	-	-	-	-	-	740	227.1	2.40	-	-	100
Laredo (TX)	-	-	-	-	-	-	-	-	747	221.2	2.38	-	-	100
Nueces Bay (TX)	-	-	-	-	-	-	-	-	1,651	186.8	1.97	-	-	100
Victoria (TX)	-	-	-	-	-	-	-	-	274	149.0	1.61	-	-	100
Cincinnati Gas & Electric Co	735	134.0	31.34	1.99	5	638.2	37.01	.43	-	-	-	100	*	-
Beckjord (OH)	237	133.2	30.88	2.11	1	637.6	36.78	.47	-	-	-	100	*	-
East Bend (KY)	128	140.6	32.60	1.71	1	677.7	38.94	.36	-	-	-	100	*	-
Miami Fort (OH)	246	142.1	33.47	1.45	3	632.3	36.78	.42	-	-	-	100	*	-
Zimmer (OH)	124	112.6	26.69	3.11	-	-	-	-	-	-	-	100	-	-
Cleveland Electric Illum Co	477	151.9	38.00	2.74	32	353.0	22.39	.87	-	-	-	98	2	-
Ashtabula (OH)	92	144.1	35.64	3.42	-	-	-	-	-	-	-	100	-	-
Avon Lake (OH)	178	150.8	37.30	2.45	2	661.8	38.62	.41	-	-	-	100	*	-
Eastlake (OH)	170	152.9	38.44	3.12	2	661.3	38.54	.44	-	-	-	100	*	-
Lake Shore (OH)	37	170.5	45.21	.68	28	312.9	20.08	.93	-	-	-	85	15	-
Coffeyville City Of	-	-	-	-	-	-	-	-	41	241.0	2.41	-	-	100
Coffeyville (KS)	-	-	-	-	-	-	-	-	41	241.0	2.41	-	-	100
Colorado Springs City Of	121	144.9	31.10	.42	-	-	-	-	-	-	-	100	-	-
Drake (CO)	61	138.4	29.60	.38	-	-	-	-	-	-	-	100	-	-
Nixon (CO)	60	151.4	32.63	.45	-	-	-	-	-	-	-	100	-	-
Colorado Ute Electric Assn Inc	448	86.7	17.82	.39	-	-	-	-	24	254.6	2.85	100	-	*
Craig (CO)	301	87.1	17.76	.37	-	-	-	-	23	253.3	2.63	100	-	*
Hayden (CO)	140	83.7	17.51	.43	-	-	-	-	1	276.9	2.88	100	-	*
Nucila (CO)	8	125.9	25.99	.56	-	-	-	-	-	-	-	100	-	-
Columbia City Of	2	214.0	60.91	.63	-	-	-	-	-	-	-	100	-	-
Columbia (MO)	2	214.0	60.91	.63	-	-	-	-	-	-	-	100	-	-
Columbus & Southern Ohio El Co ..	299	159.1	37.56	2.98	2	667.7	39.31	.00	-	-	-	100	*	-
Conesville (OH)	276	163.1	38.57	3.00	2	662.6	38.99	.00	-	-	-	100	*	-
Picway (OH)	23	110.9	25.66	2.79	-	713.2	42.15	.00	-	-	-	100	*	-
Columbus City Of	2	170.9	41.13	.57	-	-	-	-	-	-	-	100	-	-
Refuse & Coal (OH)	2	170.9	41.13	.57	-	-	-	-	-	-	-	100	-	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Commonwealth Edison Co	609	259.1	50.89	1.18	145	405.8	25.47	0.63	382	293.3	3.00	90	7	3
Collins (IL)	-	-	-	-	126	372.6	23.64	.68	-	-	-	-	100	-
Crawford (IL)	16	319.0	60.72	.43	-	-	-	-	25	359.0	3.69	92	-	8
Fisk (IL)	42	319.0	60.72	.43	-	-	-	-	114	375.2	3.86	87	-	13
Joliet (IL)	162	295.8	56.90	.40	-	-	-	-	168	212.7	2.18	95	-	5
Kincaid (IL)	158	159.7	33.19	3.42	-	-	-	-	6	330.0	3.30	100	-	*
Powerton (IL)	100	279.4	54.37	.37	-	-	-	-	12	415.9	4.16	99	-	1
State Line (IN)	11	294.8	57.37	.37	-	-	-	-	48	326.5	3.36	81	-	19
Waukegan (IL)	52	282.9	53.85	.43	-	-	-	-	9	211.5	2.16	99	-	1
Will County (IL)	68	317.2	60.83	.41	19	645.8	37.64	.27	-	-	-	92	8	-
Commonwealth Electric Co (CES) ..	-	-	-	-	-	-	-	-	77	374.8	3.75	-	-	100
Cannon (MA)	-	-	-	-	-	-	-	-	77	374.8	3.75	-	-	100
Connecticut Light & Power Co	-	-	-	-	565	408.9	25.84	.85	307	222.5	2.30	-	92	8
Devon (CT)	-	-	-	-	130	375.3	23.93	1.00	-	-	-	-	100	-
Middletown (CT)	-	-	-	-	170	455.6	28.30	.50	-	-	-	-	100	-
Montville (CT)	-	-	-	-	52	395.2	25.01	1.00	307	222.5	2.30	-	51	49
Norwalk Harbor (CT)	-	-	-	-	214	396.4	25.24	.99	-	-	-	-	100	-
Consolidated Edison Co-NY Inc	-	-	-	-	1,560	497.7	30.84	.26	11,567	190.6	1.97	-	45	55
Astoria (NY)	-	-	-	-	118	496.3	30.72	.27	4,502	190.5	1.96	-	14	86
East River (NY)	-	-	-	-	136	506.1	31.35	.27	469	190.7	1.97	-	64	36
Hudson Avenue (NY)	-	-	-	-	290	504.8	31.26	.24	-	-	-	-	100	-
Ravenswood (NY)	-	-	-	-	15	492.0	30.58	.29	5,981	190.6	1.97	-	1	99
Storage Facility #3	-	-	-	-	170	487.3	30.13	.23	-	-	-	-	100	-
Storage Facility #4	-	-	-	-	247	501.4	31.41	.26	-	-	-	-	100	-
Storage Facility #5	-	-	-	-	111	492.5	30.58	.22	-	-	-	-	100	-
Storage Facility #6	-	-	-	-	472	494.4	30.50	.29	-	-	-	-	100	-
Waterside (NY)	-	-	-	-	-	-	-	-	615	190.6	1.97	-	-	100
Consumers Power Co	713	158.1	38.02	.77	41	286.7	18.20	.97	-	-	-	99	1	-
Campbell (MI)	306	165.2	41.02	.79	-	-	-	-	-	-	-	100	-	-
Cobb (MI)	136	150.2	32.51	.62	-	-	-	-	-	-	-	100	-	-
Karn-Wadock (MI)	116	156.7	38.78	.82	41	286.7	18.20	.97	-	-	-	92	8	-
Wadock (MI)	69	150.7	35.22	.82	-	-	-	-	-	-	-	100	-	-
Whiting (MI)	86	151.5	37.35	.80	-	-	-	-	-	-	-	100	-	-
Coop Power Assn	527	70.6	8.80	.85	-	-	-	-	-	-	-	100	-	-
Coal Creek (ND)	527	70.6	8.80	.85	-	-	-	-	-	-	-	100	-	-
Dairyland Power Coop	169	134.7	24.71	.93	1	693.1	40.75	.50	-	-	-	100	*	-
Alma-Madgett (WI)	112	138.6	24.57	.49	-	850.7	50.02	.50	-	-	-	100	-	-
Genoa No.3 (WI)	57	127.9	24.99	1.80	-	-	-	-	-	-	-	100	-	-
Stoneman (WI)	-	-	-	-	-	614.2	36.12	.50	-	-	-	-	100	-
Dayton Power & Light Co	728	147.5	34.71	1.25	1	647.8	37.43	.00	24	335.8	3.43	100	*	*
Hutchings (OH)	1	120.8	28.04	.68	-	-	-	-	24	335.8	3.43	54	-	46
Killen (OH)	109	149.1	37.85	.67	-	-	-	-	-	-	-	100	-	-
Stuart (OH)	617	147.3	34.21	1.36	1	647.8	37.43	.00	-	-	-	100	-	-
Deepwater Operating Co (ACE)	4	183.7	48.34	.85	-	-	-	-	269	222.5	2.31	27	-	73
Deepwater (NJ)	4	183.7	48.34	.85	-	-	-	-	269	222.5	2.31	27	-	73
Delmarva Power & Light Co (DMV) ..	75	195.2	51.99	.94	182	351.3	22.36	1.29	159	392.4	4.12	60	35	5
Delaware City (DE)	-	-	-	-	-	-	-	-	119	416.4	4.39	-	-	100
Edgemoor (DE)	58	200.8	54.07	.91	115	361.1	23.11	.98	40	318.7	3.30	67	32	2
Indian River (DE)	17	175.8	45.06	1.06	-	-	-	-	-	-	-	100	-	-
Vienna (MD)	-	-	-	-	67	334.4	21.09	1.82	-	-	-	-	100	-
Denton City Of	-	-	-	-	-	-	-	-	139	157.0	1.68	-	-	100
Spencer (TX)	-	-	-	-	-	-	-	-	139	157.0	1.68	-	-	100
Deseret Generation & Tran Coop ..	140	226.0	48.53	.42	-	-	-	-	-	-	-	100	-	-
Bonanza (UT)	140	226.0	48.53	.42	-	-	-	-	-	-	-	100	-	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity		Average Delivered Cost		Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity		Average Delivered Cost	Coal	Petroleum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)	Avg Sul- fur %		(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Detroit City Of	-	-	-	-	50	267.0	16.27	0.67	228	256.0	2.60	-	57	43
Mistersky (MI)	-	-	-	-	50	267.0	16.27	.67	228	256.0	2.60	-	57	43
Detroit Edison Co	2,021	145.9	30.96	0.63	19	600.4	34.78	.26	1,881	149.8	.14	99	*	*
Belle River (MI)	367	131.5	25.20	.37	4	606.0	35.13	.21	-	-	-	100	*	-
Harbor Beach (MI)	-	-	-	-	-	608.1	35.17	.32	-	-	-	-	100	-
Monroe (MI)	881	155.7	35.53	.80	4	599.9	34.77	.21	-	-	-	100	*	-
River Rouge (MI)	58	161.7	39.88	.65	-	-	-	-	1,881	149.8	.14	89	-	11
St Clair (MI)	576	125.0	24.26	.54	11	598.3	34.65	.29	-	-	-	99	1	-
Trenton Channel (MI)	139	183.2	41.24	.63	-	597.2	34.64	.22	-	-	-	100	*	-
Dover City Of	-	-	-	-	45	340.0	21.63	2.17	94	321.0	3.31	-	75	25
Mckee Run (DE)	-	-	-	-	45	340.0	21.63	2.17	94	321.0	3.31	-	75	25
Duke Power Co	1,021	170.6	43.04	1.02	7	645.0	37.51	.30	-	-	-	100	*	-
Allen (NC)	114	178.8	45.16	1.05	4	648.8	37.68	.30	-	-	-	99	1	-
Belows Creek (NC)	363	183.6	46.15	1.01	2	628.0	36.57	.30	-	-	-	100	*	-
Buck (NC)	3	153.9	41.92	1.09	-	-	-	-	-	-	-	100	-	-
Cliffside (NC)	80	197.0	50.45	1.01	1	663.9	38.71	.30	-	-	-	100	*	-
Dan River (NC)	16	150.2	39.02	1.13	-	-	-	-	-	-	-	100	-	-
Lee (SC)	88	155.3	39.41	.96	-	-	-	-	-	-	-	100	-	-
Marshall (NC)	330	152.6	38.43	1.04	-	-	-	-	-	-	-	100	-	-
Riverbend (NC)	27	164.9	41.01	.88	-	-	-	-	-	-	-	100	-	-
Duquesne Light Co	220	137.8	34.35	1.73	3	705.0	40.74	.36	12	263.8	2.74	99	*	*
Cheswick (PA)	150	138.2	34.66	1.66	1	703.9	40.91	.30	12	263.8	2.74	100	*	*
Elrama (PA)	70	136.7	33.67	1.86	2	705.5	40.65	.39	-	-	-	99	1	-
East Kentucky Power Coop	261	116.6	28.70	.98	*	662.5	38.57	.16	-	-	-	100	*	-
Cooper (KY)	49	117.1	28.46	1.46	*	647.0	37.66	.20	-	-	-	100	*	-
Dale (KY)	24	112.8	27.36	.76	*	678.0	39.47	.12	-	-	-	100	*	-
Spurlock (KY)	188	117.0	28.93	.88	-	-	-	-	-	-	-	100	-	-
El Paso Electric Co	-	-	-	-	-	-	-	-	1,281	183.8	1.89	-	-	100
Newman (TX)	-	-	-	-	-	-	-	-	752	183.0	1.89	-	-	100
Rio Grande (TX)	-	-	-	-	-	-	-	-	529	185.0	1.89	-	-	100
Electric Energy Inc	175	122.0	29.53	2.05	1	690.7	40.49	.65	-	-	-	100	*	-
Joppla (IL)	175	122.0	29.53	2.05	1	690.7	40.49	.65	-	-	-	100	*	-
Empire District Electric Co	90	98.5	18.71	.76	*	485.6	29.17	.00	41	347.4	3.56	97	*	2
Asbury (MO)	80	95.2	17.47	.56	*	485.6	29.17	.00	-	-	-	100	*	-
Riverton (KS)	9	119.6	29.35	2.47	-	-	-	-	41	347.4	3.56	85	-	15
Florida Power & Light Co	-	-	-	-	3,013	381.9	24.33	1.02	9,714	308.5	3.08	-	66	34
Cape Canaveral (FL)	-	-	-	-	120	352.1	22.51	1.40	316	308.5	3.08	-	71	29
Cutler (FL)	-	-	-	-	-	-	-	-	181	308.5	3.08	-	-	100
Fort Myers (FL)	-	-	-	-	322	358.8	22.82	1.37	-	-	-	-	100	-
Lauderdale (FL)	-	-	-	-	-	-	-	-	564	308.5	3.08	-	-	100
Manatee (FL)	-	-	-	-	752	371.5	23.70	.97	-	-	-	-	100	-
Martin (FL)	-	-	-	-	123	406.2	25.57	.68	1,745	308.5	3.08	-	31	69
Port Everglades (FL)	-	-	-	-	477	390.6	24.79	.98	2,223	308.5	3.08	-	58	42
Riviera (FL)	-	-	-	-	524	380.1	24.36	.97	1,833	308.5	3.08	-	65	35
Sanford (FL)	-	-	-	-	341	393.9	25.15	.99	408	308.5	3.08	-	84	16
Turkey Point (FL)	-	-	-	-	354	406.7	25.77	.98	2,444	308.5	3.08	-	48	52
Florida Power Corp	479	177.1	44.80	.82	1,065	360.7	22.91	1.47	192	193.2	1.97	64	35	1
Anclote (FL)	-	-	-	-	5	601.7	35.84	.18	-	-	-	-	100	-
Crystal River (FL)	479	177.1	44.80	.82	5	599.2	35.71	.17	-	-	-	100	*	-
Higgins (FL)	-	-	-	-	27	385.5	24.52	.99	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	947	358.3	22.79	1.45	-	-	-	-	100	-
Suwannee (FL)	-	-	-	-	18	383.7	23.99	.99	192	193.2	1.97	-	36	64
Turner (FL)	-	-	-	-	65	347.9	21.88	2.35	-	-	-	-	100	-
Fort Pierre City Of	-	-	-	-	*	542.8	33.72	.75	*	280.3	2.90	-	97	3
H D King (FL)	-	-	-	-	*	542.8	33.72	.75	*	280.3	2.90	-	97	3

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Fremont City Of	24	81.9	13.85	0.31	-	-	-	-	9	178.4	1.78	98	-	2
Wright (NE)	24	81.9	13.85	.31	-	-	-	-	9	178.4	1.78	98	-	2
Gainesville City Of	55	175.0	45.71	.68	11	402.7	25.49	1.25	524	199.3	2.06	70	3	26
Deerhaven (FL)	55	175.0	45.71	.68	9	401.0	25.39	1.23	402	199.3	2.06	75	3	22
Jr Kelly (FL)	-	-	-	-	2	411.1	26.00	1.35	123	199.3	2.06	-	8	92
Gariand City Of	-	-	-	-	-	-	-	-	901	152.2	1.59	-	-	100
Newman (TX)	-	-	-	-	-	-	-	-	11	157.0	1.63	-	-	100
Olinger (TX)	-	-	-	-	-	-	-	-	890	152.1	1.58	-	-	100
Georgia Power Co (SC)	2,407	173.9	40.97	1.63	17	674.7	39.11	.50	297	275.3	2.82	99	*	1
Arkwright (GA)	43	162.6	40.98	2.01	-	-	-	-	5	295.2	3.02	100	-	*
Atkinson-McDonough (GA)	131	177.4	43.13	1.49	-	-	-	-	292	275.0	2.81	91	-	9
Bowen (GA)	661	168.2	40.68	1.66	4	715.7	41.48	.50	-	-	-	100	*	-
Hammond (GA)	203	165.7	42.47	1.49	1	737.6	42.75	.50	-	-	-	100	*	-
Hardee Branch (GA)	312	165.1	40.82	1.33	1	694.5	40.25	.50	-	-	-	100	*	-
Mcmanus (GA)	-	-	-	-	9	647.1	37.51	.50	-	-	-	-	100	-
Mitchell (GA)	14	208.9	52.22	1.35	-	-	-	-	-	-	-	100	-	-
Scherer (GA)	379	185.9	37.77	.49	-	-	-	-	-	-	-	100	-	-
Wansley (GA)	360	187.4	42.54	2.69	2	680.9	39.46	.50	-	-	-	100	*	-
Yates (GA)	303	172.2	41.43	2.15	1	696.3	40.36	.50	-	-	-	100	*	-
Glendale City Of	-	-	-	-	-	-	-	-	203	249.0	2.58	-	-	100
Glendale (CA)	-	-	-	-	-	-	-	-	203	249.0	2.58	-	-	100
Grand Haven City Of	50	140.7	32.22	2.97	-	-	-	-	-	-	-	100	-	-
J B Simms (MI)	50	140.7	32.22	2.97	-	-	-	-	-	-	-	100	-	-
Grand Island City Of	33	64.5	10.85	.36	-	-	-	-	-	-	-	100	-	-
Platte (NE)	33	64.5	10.85	.36	-	-	-	-	-	-	-	100	-	-
Grand River Dam Authority	374	100.6	17.55	.53	-	-	-	-	14	200.8	2.02	100	-	*
GRDA No 1 (OK)	374	100.6	17.55	.53	-	-	-	-	14	200.8	2.02	100	-	*
Greenville City Of	-	-	-	-	-	-	-	-	185	159.0	1.72	-	-	100
Greenville (TX)	-	-	-	-	-	-	-	-	185	159.0	1.72	-	-	100
Gulf Power Co	253	191.9	46.24	2.88	2	590.8	33.99	.45	226	158.1	1.58	96	*	4
Crist (FL)	180	193.3	46.45	2.90	-	-	-	-	226	158.1	1.58	95	-	5
Scholtz (FL)	34	159.8	39.45	2.87	-	-	-	-	-	-	-	100	-	-
Smith (FL)	38	214.9	51.37	2.81	2	590.8	33.99	.45	-	-	-	99	1	-
Gulf States Utilities Co	258	200.3	35.29	.49	-	-	-	-	19,114	169.0	1.75	19	-	81
Lewis Creek (TX)	-	-	-	-	-	-	-	-	2,747	174.0	1.82	-	-	100
Nelson (LA)	258	200.3	35.29	.49	-	-	-	-	2,567	150.5	1.59	63	-	37
Sabine (TX)	-	-	-	-	-	-	-	-	7,986	177.1	1.81	-	-	100
Willow Glen (LA)	-	-	-	-	-	-	-	-	5,814	163.9	1.70	-	-	100
Hamilton City Of	6	162.4	40.52	.66	-	-	-	-	113	187.9	1.88	56	-	44
Hamilton (OH)	6	162.4	40.52	.66	-	-	-	-	113	187.9	1.88	56	-	44
Hastings City Of	22	101.1	17.16	.38	-	-	-	-	-	-	-	100	-	-
Hastings (NE)	22	101.1	17.16	.38	-	-	-	-	-	-	-	100	-	-
Hawaiian Electric Co Inc	-	-	-	-	754	411.3	25.61	.47	-	-	-	-	100	-
Kahe (HI)	-	-	-	-	259	392.0	24.68	.50	-	-	-	-	100	-
Storage Facility #1	-	-	-	-	495	421.5	26.09	.45	-	-	-	-	100	-
Holland City Of	27	173.0	45.66	.80	-	-	-	-	143	179.0	1.86	83	-	17
Jarnes De Young (MI)	27	173.0	45.66	.80	-	-	-	-	143	179.0	1.86	83	-	17
Holyoke Water Power Co (NU)	23	180.7	47.48	1.43	-	-	-	-	-	-	-	100	-	-
Mount Tom (MA)	23	180.7	47.48	1.43	-	-	-	-	-	-	-	100	-	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pet- ro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Hoosier Energy R E C Inc	254	124.4	27.61	3.72	-	-	-	-	-	-	-	100	-	-
Frank E Ratts (IN)	65	129.4	29.06	3.18	-	-	-	-	-	-	-	100	-	-
Merom (IN)	189	122.6	27.11	3.91	-	-	-	-	-	-	-	100	-	-
Houston Lighting & Power Co	1,317	223.2	33.65	.63	29	380.3	23.23	0.83	24,620	159.5	1.64	44	*	58
Bertron (TX)	-	-	-	-	8	297.0	17.76	.70	1,168	172.5	1.78	-	4	96
Cedar Bayou (TX)	-	-	-	-	16	350.0	21.83	1.00	8,101	157.5	1.62	-	1	99
Deepwater (TX)	-	-	-	-	-	-	-	-	356	176.5	1.80	-	-	100
Green Bayou (TX)	-	-	-	-	-	-	-	-	1,913	165.4	1.70	-	-	100
Limestone (TX)	550	185.5	23.64	.93	5	613.0	36.17	.50	234	171.8	1.77	96	*	3
Parish (TX)	767	243.8	40.82	.42	-	-	-	-	3,084	163.0	1.67	76	-	24
Robinson (TX)	-	-	-	-	-	-	-	-	6,910	151.8	1.57	-	-	100
Webster (TX)	-	-	-	-	-	-	-	-	1,192	168.7	1.73	-	-	100
Wharton (TX)	-	-	-	-	-	613.0	35.68	.50	762	171.5	1.75	-	*	100
Illinois Power Co	603	148.0	33.19	2.42	7	699.1	40.52	.30	337	161.3	1.63	97	*	2
Baldwin (IL)	386	146.0	31.82	3.04	5	704.2	40.82	.30	-	-	-	100	*	-
Havana (IL)	29	159.5	40.96	.70	2	683.3	39.60	.30	-	-	-	99	1	-
Hennepin (IL)	58	129.5	25.71	1.81	-	-	-	-	21	254.9	2.60	98	-	2
Vermillion (IL)	37	122.7	26.17	2.48	-	-	-	-	-	-	-	100	-	-
Wood River (IL)	94	168.5	43.88	.73	-	-	-	-	316	155.0	1.56	88	-	12
Imperial Irrigation District	-	-	-	-	1	258.8	16.24	1.14	604	278.1	2.85	-	1	99
El Centro (CA)	-	-	-	-	1	258.6	16.24	1.14	604	278.1	2.85	-	1	99
Independence City Of	15	157.4	38.22	3.19	-	-	-	-	29	193.8	1.94	92	-	8
Blue Valley (MO)	15	157.4	38.22	3.19	-	-	-	-	29	193.8	1.94	92	-	8
Indiana & Michigan Power Co (AEP)	1,139	124.5	22.41	.65	24	637.3	36.37	.00	-	-	-	99	1	-
Breed (IN)	25	149.7	32.28	3.88	*	644.8	37.36	.00	-	-	-	100	*	-
Rockport (IN)	966	119.1	20.45	.33	24	639.0	36.45	.00	-	-	-	99	1	-
Tanners Creek (IN)	148	146.8	33.56	2.21	*	425.1	24.75	.00	-	-	-	100	*	-
Indiana-Kentucky Electric Corp	423	104.1	23.76	3.46	*	694.1	40.12	.30	-	-	-	100	*	-
Clifty Creek (IN)	423	104.1	23.76	3.46	*	694.1	40.12	.30	-	-	-	100	*	-
Indianapolis Power & Light Co	534	105.6	23.77	2.51	-	-	-	-	-	-	-	100	-	-
Petersburg (IN)	397	97.3	21.93	2.87	-	-	-	-	-	-	-	100	-	-
Pritchard (IN)	27	116.6	26.78	1.00	-	-	-	-	-	-	-	100	-	-
Stout (IN)	110	133.0	29.67	1.55	-	-	-	-	-	-	-	100	-	-
Interstate Power Co	197	177.0	34.01	1.22	-	-	-	-	206	166.1	1.66	95	-	5
Dubuque (IA)	23	192.7	42.17	2.86	-	-	-	-	2	220.6	2.21	100	-	*
Fox Lake (MN)	8	161.7	36.00	2.10	-	-	-	-	204	165.6	1.66	45	-	55
Kapp (IA)	58	131.8	29.30	2.00	-	-	-	-	-	-	-	100	-	-
Lansing (IA)	108	206.3	34.68	.39	-	-	-	-	-	-	-	100	-	-
Iowa Electric Light & Power Co	101	137.2	27.60	1.38	7	626.9	36.47	.00	129	282.7	2.83	92	2	6
Prairie Creek (IA)	66	134.4	26.03	1.34	*	613.0	35.66	.00	35	302.3	3.02	97	*	3
Sutherland (IA)	23	133.3	28.08	1.13	7	627.7	36.51	.00	37	218.1	2.18	86	7	7
6th St (IA)	12	157.6	35.32	2.09	-	-	-	-	57	312.5	3.12	83	-	17
Iowa Power & Light Co	329	95.9	15.90	.31	-	-	-	-	4	213.4	2.10	100	-	*
Council Bluffs (IA)	329	95.9	15.90	.31	-	-	-	-	4	213.4	2.10	100	-	*
Iowa Public Service Co	387	85.1	14.84	.41	-	-	-	-	20	301.7	3.02	100	-	*
George Neal 1-4 (IA)	387	85.1	14.84	.41	-	-	-	-	20	301.7	3.02	100	-	*
Iowa Southern Utilities Co	118	105.1	18.70	.83	-	-	-	-	-	-	-	100	-	-
Burlington (IA)	21	118.9	26.12	2.96	-	-	-	-	-	-	-	100	-	-
Ottumwa (IA)	96	101.2	17.06	.36	-	-	-	-	-	-	-	100	-	-
Iowa-Illinois Gas & Electric Co	196	103.2	18.14	.65	-	-	-	-	65	321.8	3.31	98	-	2
Louisa (IA)	171	99.3	16.81	.34	-	-	-	-	6	244.5	2.50	100	-	*
Riverside (IA)	25	123.4	27.25	2.78	-	-	-	-	59	329.6	3.40	90	-	10

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Jacksonville Electric Authority	238	177.4	43.33	0.91	7	619.3	36.15	0.35	1,628	193.7	2.03	77	1	23
Kennedy (FL)	-	-	-	-	-	-	-	-	703	193.7	2.03	-	-	100
Southside (FL)	-	-	-	-	-	-	-	-	925	193.7	2.03	-	-	100
St Johns River (FL)	238	177.4	43.33	.91	7	619.3	36.15	.35	-	-	-	99	1	-
Jamestown City Of	9	146.1	36.68	1.86	-	-	-	-	-	-	-	100	-	-
Samuel A Carlson (NY)	9	146.1	36.68	1.86	-	-	-	-	-	-	-	100	-	-
Jersey Central Power & Light Co (GPS)	-	-	-	-	-	-	-	-	568	246.4	2.54	-	-	100
Gilbert (NJ)	-	-	-	-	-	-	-	-	85	225.1	2.32	-	-	100
Sayreville (NJ)	-	-	-	-	-	-	-	-	483	250.1	2.58	-	-	100
Kansas City City Of	115	132.3	23.34	.76	-	-	-	-	173	224.0	2.26	92	-	8
Kaw (KS)	8	234.2	54.00	2.79	-	-	-	-	119	224.6	2.26	60	-	40
Nearman (KS)	96	103.5	17.13	.35	-	-	-	-	-	-	-	100	-	-
Quindaro (KS)	12	234.2	54.00	2.79	-	-	-	-	54	222.8	2.25	83	-	17
Kansas City Power & Light Co	683	91.9	16.39	.65	7	742.5	43.11	.16	2	394.8	4.10	100	*	*
Hawthorne (MO)	-	-	-	-	-	-	-	-	2	394.8	4.10	-	-	100
Iatan (MO)	247	84.4	14.86	.36	-	-	-	-	-	-	-	100	-	-
La Cygne (KS)	339	95.1	17.40	.91	5	743.2	43.16	.15	-	-	-	100	*	-
Montrose (MO)	98	99.9	16.77	.45	2	740.9	42.99	.18	-	-	-	99	1	-
Kansas Gas & Electric Co	-	-	-	-	-	-	-	-	787	194.9	1.93	-	-	100
Evans (KS)	-	-	-	-	-	-	-	-	350	201.4	1.96	-	-	100
Gill (KS)	-	-	-	-	-	-	-	-	437	189.9	1.90	-	-	100
Kansas Power & Light Co	603	137.5	23.30	.30	-	-	-	-	831	148.7	1.47	93	-	7
Hutchinson (KS)	-	-	-	-	-	-	-	-	767	146.7	1.44	-	-	100
Jeffrey Energy Cnt (KS)	554	137.7	22.86	.28	-	-	-	-	-	-	-	100	-	-
Lawrence (KS)	-	-	-	-	-	-	-	-	44	162.1	1.68	-	-	100
Tecumseh (KS)	49	135.7	28.22	.54	-	-	-	-	20	191.8	2.02	98	-	2
Kentucky Power Co (AEP)	180	125.6	30.23	1.02	5	643.5	37.63	.00	-	-	-	99	1	-
Big Sandy (KY)	180	125.6	30.23	1.02	5	643.5	37.63	.00	-	-	-	99	1	-
Kentucky Utilities Co	357	122.6	29.76	1.77	-	714.3	42.00	.40	-	-	-	100	*	-
Brown (KY)	131	115.6	28.30	2.02	-	-	-	-	-	-	-	100	-	-
Ghent (KY)	192	129.6	31.45	1.51	-	714.3	42.00	.40	-	-	-	100	*	-
Green River (KY)	33	109.5	25.71	2.33	-	-	-	-	-	-	-	100	-	-
Tyrone (KY)	1	132.6	32.22	1.05	-	-	-	-	-	-	-	100	-	-
Lafayette City Of	-	-	-	-	-	-	-	-	454	151.0	1.58	-	-	100
Bonin (LA)	-	-	-	-	-	-	-	-	454	151.0	1.58	-	-	100
Lake Worth City Of	-	-	-	-	-	-	-	-	37	264.0	2.72	-	-	100
Tom G Smith (FL)	-	-	-	-	-	-	-	-	37	264.0	2.72	-	-	100
Lakeland City Of	88	201.6	49.34	1.09	1	620.2	36.09	.24	496	172.2	1.78	81	*	19
Larsen Mem (FL)	-	-	-	-	-	-	-	-	1	163.8	1.69	-	-	100
Plant 3-Mcintosh (FL)	88	201.6	49.34	1.09	1	620.2	36.09	.24	495	172.2	1.78	81	*	19
Lansing City Of	109	178.6	46.52	.82	1	442.0	25.62	.30	-	-	-	100	*	-
Eckert (MI)	47	181.9	47.01	.81	1	442.0	25.62	.30	-	-	-	100	*	-
Erickson (MI)	62	176.2	46.14	.83	-	442.0	25.62	.30	-	-	-	100	*	-
Long Island Lighting Co	-	-	-	-	1,245	397.2	25.39	.82	4,246	189.6	1.95	-	65	35
Barrett (NY)	-	-	-	-	-	-	-	-	2,344	190.4	1.96	-	-	100
Far Rockaway (NY)	-	-	-	-	-	-	-	-	599	205.7	2.12	-	-	100
Glenwood (NY)	-	-	-	-	-	-	-	-	1,303	180.8	1.86	-	-	100
Northport (NY)	-	-	-	-	1,051	398.6	25.51	.82	-	-	-	100	-	-
Port Jefferson (NY)	-	-	-	-	194	389.3	24.78	.84	-	-	-	100	-	-
Los Angeles City Of	442	142.3	33.31	.49	-	-	-	-	4,909	271.7	2.83	67	-	33

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pet- ro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per 1,000 cf			
Los Angeles City Of														
Harbor (CA)	-	-	-	-	-	-	-	-	88	271.7	2.81	-	-	100
Haynes (CA)	-	-	-	-	-	-	-	-	3,251	271.7	2.84	-	-	100
Intermountain (UT)	442	142.3	33.31	0.49	-	-	-	-	-	-	-	100	-	-
Scattergood (CA)	-	-	-	-	-	-	-	-	1,183	271.7	2.80	-	-	100
Valley (CA)	-	-	-	-	-	-	-	-	387	271.7	2.83	-	-	100
Louisiana Power & Light Co (MSU)														
Little Gypsy (LA)	-	-	-	-	47	394.8	24.12	0.56	10,911	129.8	1.36	-	2	98
Nine Mile (LA)	-	-	-	-	10	499.0	29.80	.26	3,658	113.8	1.19	-	2	98
Sterlington (LA)	-	-	-	-	9	499.0	30.68	.26	4,705	127.5	1.34	-	1	99
Waterford (LA)	-	-	-	-	9	516.7	29.80	.21	202	165.0	1.73	-	20	80
	-	-	-	-	19	242.5	15.34	1.02	2,346	156.2	1.63	-	5	95
Louisville Gas & Electric Co														
Cane Run (KY)	469	110.3	25.45	3.06	8	620.7	36.50	.58	12	205.9	2.11	99	*	*
Mill Creek (KY)	95	110.7	25.32	2.98	-	-	-	-	4	205.9	2.11	100	-	*
Trimble County (KY)	316	112.6	26.05	3.14	-	-	-	-	8	205.9	2.11	100	-	*
	58	96.6	22.40	2.76	8	620.7	36.50	.58	-	-	-	97	3	-
Lower Colorado River Authority														
Gideon (TX)	467	128.5	22.12	.40	4	648.8	38.42	.00	1,953	150.5	1.54	80	*	20
S Seymour-Fayette (TX)	-	-	-	-	-	-	-	-	1,120	152.5	1.55	-	-	100
T C Ferguson (TX)	467	128.5	22.12	.40	4	648.8	38.42	.00	-	-	-	100	*	-
	-	-	-	-	-	-	-	-	833	147.9	1.53	-	-	100
Lubbock City Of														
Holly Ave (TX)	-	-	-	-	-	-	-	-	566	192.9	1.98	-	-	100
	-	-	-	-	-	-	-	-	566	192.9	1.98	-	-	100
Madison Gas & Electric Co														
Blount (WI)	7	169.8	40.94	1.94	-	-	-	-	52	280.0	2.81	76	-	24
	7	169.8	40.94	1.94	-	-	-	-	52	280.0	2.81	76	-	24
Manitowoc City Of														
Manitowoc (WI)	10	185.5	48.58	.74	-	-	-	-	-	-	-	100	-	-
	10	185.5	48.58	.74	-	-	-	-	-	-	-	100	-	-
Metropolitan Edison Co (GPS)														
Portland (PA)	85	163.8	43.49	1.66	*	606.0	35.25	.20	-	-	-	100	*	-
Titus (PA)	50	160.6	42.31	1.86	-	-	-	-	-	-	-	100	-	-
	35	168.3	45.17	1.39	*	606.0	35.25	.20	-	-	-	100	*	-
Michigan South Central Pwr Agcy ...														
Project I (MI)	17	193.2	45.84	3.17	-	-	-	-	-	-	-	100	-	-
	17	193.2	45.84	3.17	-	-	-	-	-	-	-	100	-	-
Minnesota Power & Light Co														
Aurora-Syl Laskin (MN)	298	140.7	24.12	.75	1	649.4	37.37	.00	-	-	-	100	*	-
Boswell (MN)	-	-	-	-	*	645.3	37.13	.00	-	-	-	100	-	-
	298	140.7	24.12	.75	1	650.4	37.42	.00	-	-	-	100	*	-
Minnkota Power Coop Inc														
Young (ND)	297	44.5	6.10	.99	1	600.0	35.28	.40	-	-	-	100	*	-
	297	44.5	6.10	.99	1	600.0	35.28	.40	-	-	-	100	*	-
Mississippi Power & Light Co														
(MSU)	-	-	-	-	192	198.0	12.57	2.87	3,574	154.6	1.61	-	25	75
Brown (MS)	-	-	-	-	-	-	-	-	710	162.7	1.71	-	-	100
Delta (MS)	-	-	-	-	-	-	-	-	72	149.4	1.56	-	-	100
Gerald Andrus (MS)	-	-	-	-	2	498.8	30.07	.30	1,149	149.4	1.56	-	1	99
Wilson (MS)	-	-	-	-	190	194.9	12.38	2.90	1,642	155.1	1.61	-	41	59
Mississippi Power Co (SC)														
Daniel (MS)	240	157.4	40.02	1.63	-	-	-	-	1,948	163.5	1.69	75	-	25
Eaton (MS)	123	166.8	43.15	.72	-	-	-	-	-	-	-	100	-	-
Sweatt (MS)	-	-	-	-	-	-	-	-	155	165.4	1.71	-	-	100
Watson (MS)	-	-	-	-	-	-	-	-	254	185.7	1.90	-	-	100
	116	147.0	36.70	2.59	-	-	-	-	1,538	159.7	1.65	65	-	35
Missouri Public Service Comm														
Sibley (MO)	82	162.8	36.09	3.17	-	-	-	-	-	-	-	100	-	-
	82	162.8	36.09	3.17	-	-	-	-	-	-	-	100	-	-
Monongahela Power Co (APS)														
Albright (WV)	1,022	132.4	33.73	2.84	7	674.9	39.97	.30	7	655.9	6.56	100	*	*
Ft Martin (WV)	41	109.8	27.02	1.74	1	658.4	38.99	.30	-	-	-	99	1	-
	254	147.6	37.43	2.02	2	670.2	39.69	.30	-	-	-	100	*	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Petroleum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Monongahela Power Co (APS)														
Harrison (WV)	428	136.5	35.64	3.30	*	654.7	38.77	0.30	7	655.9	6.56	100	*	*
Pleasants (WV)	240	113.1	28.06	3.41	3	685.0	40.57	.30	-	-	-	100	*	-
Rivesville (WV)	12	129.4	31.54	1.02	*	669.4	39.64	.30	-	-	-	100	*	-
Willow Island (WV)	46	127.8	31.63	1.48	*	658.2	38.98	.30	-	-	-	100	*	-
Montana Power Co														
Colstrip (MT)	733	57.2	9.90	.68	8	644.9	38.19	.00	22	108.8	1.35	99	*	*
Corette (MT)	674	56.8	9.83	.69	8	644.9	38.19	.00	-	-	-	100	*	-
Corette (MT)	59	61.3	10.75	.56	-	-	-	-	22	108.8	1.35	97	-	3
Montana-Dakota Utilities Co														
Coyote (ND)	83	94.7	13.32	.95	1	762.6	43.74	.30	*	372.8	4.10	99	1	*
Heskett (ND)	23	72.9	10.27	1.00	1	762.6	43.74	.30	-	-	-	98	2	-
Heskett (ND)	40	100.6	14.59	1.10	-	-	-	-	-	-	-	100	-	-
Lewis and Clark (MT)	21	107.2	14.17	.60	-	-	-	-	*	372.8	4.10	100	-	*
Montaup Electric Co														
Somerset (MA)	26	182.3	47.40	1.21	2	604.6	35.49	.27	-	-	-	98	2	-
Somerset (MA)	26	182.3	47.40	1.21	2	604.6	35.49	.27	-	-	-	98	2	-
Muscataine City Of														
Muscataine (IA)	78	199.0	44.03	3.18	3	613.2	35.67	.00	1	120.2	1.20	99	1	*
Muscataine (IA)	78	199.0	44.03	3.18	3	613.2	35.67	.00	1	120.2	1.20	99	1	*
Nebraska Public Power District														
Gerald Gentleman (NE)	334	70.7	12.43	.36	-	-	-	-	15	238.3	2.28	100	-	*
Sheldon (NE)	278	69.4	12.22	.36	-	-	-	-	13	216.8	2.06	100	-	*
Sheldon (NE)	56	77.1	13.51	.37	-	-	-	-	2	403.3	4.03	100	-	*
Nevada Power Co														
Clark (NV)	173	173.8	41.53	.65	-	-	-	-	455	284.1	2.93	90	-	10
Gardner (NV)	-	-	-	-	-	-	-	-	291	284.1	2.93	-	-	100
Gardner (NV)	173	173.8	41.53	.65	-	-	-	-	-	-	-	100	-	-
Sunrise (NV)	-	-	-	-	-	-	-	-	164	284.1	2.93	-	-	100
New England Power Co (NEES)														
Brayton (MA)	202	171.2	45.19	1.22	166	354.8	22.65	1.62	1,286	217.8	2.25	69	14	17
Manchester St (RI)	202	171.2	45.19	1.22	-	-	-	-	-	-	-	100	-	-
Manchester St (RI)	-	-	-	-	-	-	-	-	784	217.8	2.25	-	-	100
Salem Harbor (MA)	-	-	-	-	166	354.8	22.65	1.62	-	-	-	-	100	-
South St (RI)	-	-	-	-	-	-	-	-	502	217.8	2.25	-	-	100
New Orleans Public Service Inc														
(MSU)	-	-	-	-	-	-	-	-	2,280	152.1	1.56	-	-	100
Michoud (LA)	-	-	-	-	-	-	-	-	2,280	152.1	1.56	-	-	100
New York State Elec & Gas Corp														
Goudy (NY)	381	151.6	37.79	2.12	2	712.5	41.00	.14	-	-	-	100	*	-
Goudy (NY)	24	162.2	41.13	1.87	*	732.5	42.15	.14	-	-	-	100	*	-
Greenidge (NY)	40	159.9	39.45	2.15	1	712.4	40.99	.14	-	-	-	99	1	-
Hickling (NY)	35	154.2	33.44	1.21	-	-	-	-	-	-	-	100	-	-
Jennison (NY)	20	131.3	40.07	.94	-	-	-	-	-	-	-	100	-	-
Milliken (NY)	95	163.5	39.82	1.99	*	699.5	40.25	.14	-	-	-	100	*	-
Somerset (NY)	167	138.5	36.41	2.57	-	-	-	-	-	-	-	100	-	-
Niagara Mohawk Power Corp														
Albany (NY)	269	150.2	39.35	1.97	1,140	426.9	26.96	1.11	2,401	212.0	2.19	42	43	15
Dunkirk (NY)	-	-	-	-	-	-	-	-	1,881	206.8	2.14	-	-	100
Huntley (NY)	114	143.7	37.62	2.31	-	-	-	-	-	-	-	100	-	-
Huntley (NY)	155	155.0	40.62	1.72	-	-	-	-	-	-	-	100	-	-
Oswego (NY)	-	-	-	-	1,140	426.9	26.96	1.11	520	230.9	2.38	-	93	7
Northern Indiana Pub Serv Co														
Bailey (IN)	622	144.1	31.59	2.15	-	-	-	-	374	198.7	1.99	97	-	3
Bailey (IN)	171	122.3	27.38	2.96	-	-	-	-	7	204.2	2.04	100	-	*
Michigan City (IN)	103	135.6	31.55	2.85	-	-	-	-	205	198.5	1.98	92	-	8
Mitchell (IN)	67	146.0	31.23	.53	-	-	-	-	154	198.6	1.99	90	-	10
Rollin Schaffer (IN)	280	161.2	34.25	1.78	-	-	-	-	8	200.2	2.00	100	-	*
Northern States Power Co														
Black Dog (MN)	1,007	104.4	18.41	.42	-	-	-	-	122	174.4	1.75	99	-	1
Black Dog (MN)	37	126.3	23.09	.40	-	-	-	-	88	170.0	1.71	88	-	12
High Bridge (MN)	39	88.1	15.44	.35	-	-	-	-	34	126.0	1.87	95	-	5
King (MN)	124	123.1	21.85	.37	-	-	-	-	-	-	-	100	-	-
Riverside (MN)	93	90.3	15.97	.30	-	-	-	-	-	-	-	100	-	-
Sherburne County (MN)	714	102.7	18.05	.45	-	-	-	-	-	-	-	100	-	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁴ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁴ Btu)	(\$ per bbl)		Quantity 1,000 Mcf	(Cents per 10 ⁴ Btu)	\$ per Mcf			
Ohio Edison Co	603	130.0	31.77	2.00	4	677.0	38.83	0.31	-	-	-	100	*	-
Burger (OH)	69	111.5	26.55	3.26	*	683.2	39.28	.35	-	-	-	100	*	-
Edgewater (OH)	21	135.4	32.51	1.69	*	675.2	38.64	.35	-	-	-	100	*	-
Gorge Steam (OH)	4	130.7	32.87	2.33	*	668.7	38.99	.24	-	-	-	99	1	-
Niles (OH)	34	107.7	25.83	2.89	*	670.4	38.53	.26	-	-	-	100	*	-
Sammis (OH)	459	134.9	33.22	1.69	3	677.0	38.78	.31	-	-	-	100	*	-
Toronto (OH)	17	105.3	24.60	3.88	*	682.4	38.99	.22	-	-	-	100	*	-
Ohio Power Co (AEP)	1,057	183.6	42.42	3.10	28	680.1	39.35	.00	-	-	-	99	1	-
Gavin (OH)	402	209.1	47.00	3.18	12	622.8	35.73	.00	-	-	-	99	1	-
Kammer (WV)	158	136.3	33.20	4.26	1	699.3	40.22	.00	-	-	-	100	*	-
Mitchell (WV)	265	189.0	44.25	1.30	12	734.5	42.86	.00	-	-	-	99	1	-
Muskingum (OH)	222	170.1	39.00	4.25	3	667.1	38.52	.00	-	-	-	100	*	-
Tidd (OH)	10	129.7	31.65	3.21	-	-	-	-	-	-	-	100	-	-
Ohio Valley Electric Corp	299	120.4	28.36	3.86	*	854.6	49.29	.41	-	-	-	100	*	-
Kyger Creek (OH)	299	120.4	28.36	3.86	*	854.6	49.29	.41	-	-	-	100	*	-
Oklahoma Gas & Electric Co	419	140.3	25.47	.42	*	304.3	19.85	1.17	8,995	286.1	2.97	45	*	55
Horseshoe Lake (OK)	-	-	-	-	-	-	-	-	1,914	286.1	2.97	-	-	100
Muskogee (OK)	328	138.9	25.13	.39	-	-	-	-	682	286.1	2.97	89	-	11
Mustang (OK)	-	-	-	-	-	-	-	-	1,097	286.3	2.97	-	-	100
Seminole (OK)	-	-	-	-	*	304.3	19.85	1.17	5,301	286.1	2.97	-	*	100
Sooner (OK)	91	145.3	26.70	.53	-	-	-	-	-	-	-	100	-	-
Omaha Public Power District	179	66.6	11.27	.32	-	-	-	-	77	216.1	2.13	98	-	2
Nebraska City (NE)	23	64.7	10.83	.32	-	-	-	-	-	-	-	100	-	-
North Omaha (NE)	156	66.9	11.34	.32	-	-	-	-	77	216.1	2.13	97	-	3
Orange & Rockland Utils Inc	81	220.9	58.16	.55	30	469.5	29.32	.32	3,267	221.2	2.29	37	3	59
Bowlins (NY)	-	-	-	-	30	469.5	29.32	.32	2,969	221.2	2.29	-	6	94
Lovett (NY)	81	220.9	58.16	.55	-	-	-	-	298	221.1	2.29	87	-	13
Orlando Utilities Comm	83	186.6	47.36	.81	160	172.0	10.89	1.64	606	236.2	2.44	56	27	17
Indian River (FL)	-	-	-	-	160	172.0	10.89	1.64	606	236.2	2.44	-	62	38
Stanton Energy (FL)	83	186.6	47.36	.81	-	-	-	-	-	-	-	100	-	-
Otter Tail Power Co	213	113.2	14.46	1.04	*	607.9	35.74	.31	-	-	-	100	*	-
Big Stone (SD)	193	110.9	13.54	1.11	-	-	-	-	-	-	-	100	-	-
Hoot Lake (MN)	20	128.2	23.30	.37	*	607.9	35.74	.31	-	-	-	99	1	-
Owensboro City Of	97	112.4	24.10	2.86	1	742.3	43.02	.38	-	-	-	100	*	-
Smith (KY)	97	112.4	24.10	2.86	1	742.3	43.02	.38	-	-	-	100	*	-
Pacific Gas & Electric Co	-	-	-	-	-	-	-	-	21,438	311.6	3.19	-	-	100
Contra Costa (CA)	-	-	-	-	-	-	-	-	2,220	311.6	3.19	-	-	100
Humboldt Bay (CA)	-	-	-	-	-	-	-	-	105	311.6	3.18	-	-	100
Hunters Point (CA)	-	-	-	-	-	-	-	-	1,094	311.6	3.17	-	-	100
Morro Bay (CA)	-	-	-	-	-	-	-	-	3,363	311.6	3.22	-	-	100
Moss Landing (CA)	-	-	-	-	-	-	-	-	6,372	311.6	3.21	-	-	100
Pittsburg (CA)	-	-	-	-	-	-	-	-	7,358	311.6	3.18	-	-	100
Potrero (CA)	-	-	-	-	-	-	-	-	927	311.6	3.17	-	-	100
Pacific Power & Light Co	2,404	93.4	18.05	.60	8	487.8	28.68	.30	4	318.9	3.27	100	*	*
Carbon (UT)	47	93.1	22.17	.54	-	-	-	-	-	-	-	100	-	-
Centralia (WA)	370	153.1	24.80	.75	2	479.4	28.19	.30	-	-	-	100	*	-
Emery-Hunter (UT)	410	72.6	16.61	.52	2	635.0	37.34	.30	-	-	-	100	*	-
Huntington (UT)	255	77.1	18.00	.56	-	-	-	-	-	-	-	100	-	-
Jim Bridger (WY)	666	102.3	19.81	.64	3	429.7	25.27	.30	-	-	-	100	*	-
Johnston (WY)	317	51.4	8.03	.43	1	384.4	22.60	.30	-	-	-	100	*	-
Naughton (WY)	203	117.6	23.08	.72	-	-	-	-	4	318.9	3.27	100	-	*
Wyodak (WY)	136	61.9	10.00	.65	-	-	-	-	-	-	-	100	-	-
Painesville City Of	8	139.9	33.85	2.37	-	-	-	-	1	431.0	4.31	100	-	*
Painesville (OH)	8	139.9	33.85	2.37	-	-	-	-	1	431.0	4.31	100	-	*

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbbls	(Cents per 10 ⁶ Btu)	(\$ per bbl)		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	(\$ per Mcf)			
Pasadena City Of	-	-	-	-	-	-	-	-	355	325.3	3.33	-	-	100
Broadway (CA)	-	-	-	-	-	-	-	-	355	325.3	3.33	-	-	100
Pennsylvania Electric Co (GPS)	1,410	142.8	34.59	1.83	21	657.1	38.30	0.05	-	-	-	100	*	-
Conemaugh (PA)	340	156.3	38.76	2.19	3	647.6	37.75	.05	-	-	-	100	*	-
Front St (PA)	17	148.7	36.55	1.80	-	-	-	-	-	-	-	100	-	-
Homer City (PA)	459	150.6	35.28	1.56	2	704.8	41.09	.05	-	-	-	100	*	-
Keystone (PA)	386	134.0	32.95	1.84	12	675.1	39.36	.05	-	-	-	99	1	-
Seward (PA)	48	123.0	29.67	1.51	2	711.4	41.47	.05	-	-	-	99	1	-
Shawville (PA)	148	118.0	28.60	2.01	2	461.1	26.88	.05	-	-	-	100	*	-
Warren (PA)	12	135.8	33.67	1.37	-	-	-	-	-	-	-	100	-	-
Pennsylvania Power & Light Co	1,018	170.0	40.91	1.87	69	557.3	32.73	.08	-	-	-	98	2	-
Brunner Island (PA)	375	190.2	47.21	2.06	4	619.1	36.09	.12	-	-	-	100	*	-
Holtwood (PA)	33	108.8	17.27	.69	-	-	-	-	-	-	-	100	-	-
Martins Creek (PA)	48	162.7	42.39	1.59	-	-	-	-	-	-	-	100	-	-
Montour (PA)	439	167.7	41.73	1.97	5	617.2	36.12	.13	-	-	-	100	*	-
Storage Facility #1	-	-	-	-	60	548.3	32.23	.07	-	-	-	-	100	-
Sunbury (PA)	123	121.5	24.55	1.40	-	-	-	-	-	-	-	100	-	-
Pennsylvania Power Co	601	149.4	35.84	4.04	1	699.8	40.55	.26	-	-	-	100	*	-
Bruce Mansfield (PA)	561	150.7	36.11	4.23	-	-	-	-	-	-	-	100	-	-
New Castle (PA)	41	132.4	32.17	1.46	1	699.8	40.55	.26	-	-	-	99	1	-
Philadelphia Electric Co	73	167.7	43.78	1.80	86	427.4	27.13	.43	-	-	-	78	22	-
Cromby (PA)	30	162.7	42.80	1.50	-	-	-	-	-	-	-	100	-	-
Eddystone (PA)	43	171.2	44.47	2.00	49	421.5	26.90	.42	-	-	-	78	22	-
Schuylkill (PA)	-	-	-	-	37	435.2	27.44	.44	-	-	-	-	100	-
Plains Elec Gen & Trans Coop Inc.	66	144.5	26.93	.73	-	-	-	-	1	414.0	3.60	100	-	*
Escalante (NM)	66	144.5	26.93	.73	-	-	-	-	1	414.0	3.60	100	-	*
Platte River Power Authority	108	72.5	12.84	.32	-	-	-	-	-	-	-	100	-	-
Rawhide (CO)	108	72.5	12.84	.32	-	-	-	-	-	-	-	100	-	-
Portland General Electric Co	180	110.5	18.37	.29	-	-	-	-	-	-	-	100	-	-
Boardman (OR)	180	110.5	18.37	.29	-	-	-	-	-	-	-	100	-	-
Potomac Edison Co (APS)	14	153.7	40.10	1.08	*	604.1	35.77	.30	-	-	-	99	1	-
Smith (MD)	14	153.7	40.10	1.08	*	604.1	35.77	.30	-	-	-	99	1	-
Potomac Electric Power Co	617	172.1	43.80	1.57	215	338.8	21.06	1.53	1,980	222.7	2.32	82	7	11
Chalk (MD)	192	173.0	44.03	1.85	215	338.8	21.06	1.53	1,980	222.7	2.32	59	16	25
Dickerson (MD)	96	154.5	38.97	1.50	-	-	-	-	-	-	-	100	-	-
Morgantown (MD)	234	175.0	44.42	1.71	-	-	-	-	-	-	-	100	-	-
Potomac River (VA)	94	180.4	46.69	.73	-	-	-	-	-	-	-	100	-	-
Power Authority Of State Of NY	-	-	-	-	85	499.0	31.15	.20	2,767	229.9	2.35	-	16	84
Poletti (NY)	-	-	-	-	85	499.0	31.15	.20	2,767	229.9	2.35	-	16	84
Public Service Co Of Colorado	584	114.3	21.24	.35	-	-	-	-	115	217.4	2.14	99	-	1
Arapahoe (CO)	43	112.1	25.01	.43	-	-	-	-	7	209.1	2.05	99	-	1
Cameo (CO)	19	95.4	21.86	.58	-	-	-	-	7	342.2	3.52	98	-	2
Cherokee (CO)	145	118.8	25.17	.45	-	-	-	-	33	203.2	1.99	99	-	1
Comanche (CO)	192	117.0	19.80	.30	-	-	-	-	-	199.9	1.99	100	-	*
Pawnee (CO)	170	110.5	18.25	.26	-	-	-	-	-	-	-	100	-	-
Valmont (CO)	13	109.9	24.23	.44	-	-	-	-	4	273.1	2.68	99	-	1
Zuni (CO)	-	-	-	-	-	-	-	-	64	209.1	2.05	-	-	100
Public Service Co Of IN Inc	1,111	149.0	32.41	2.38	6	657.6	37.84	.30	-	-	-	100	*	-
Cayuga (IN)	196	125.9	27.10	2.25	-	-	-	-	-	-	-	100	-	-
Edwardsport (IN)	13	115.8	25.09	2.59	-	-	-	-	-	-	-	100	-	-
Gallagher (IN)	62	132.1	28.97	2.44	2	680.7	39.17	.30	-	-	-	99	1	-
Gibson Station (IN)	683	162.9	35.48	2.48	3	638.0	36.71	.30	-	-	-	100	*	-
Noblesville (IN)	13	131.0	29.54	1.89	-	730.8	42.05	.30	-	-	-	100	*	-
Wabash River (IN)	145	125.8	27.49	2.08	1	656.9	37.80	.30	-	-	-	100	*	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pet- ro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Public Service Co Of NH	95	173.9	46.70	2.43	353	269.9	18.05	1.96	-	-	-	52	48	-
Merrimack (NH)	95	173.9	46.70	2.43	-	-	-	-	-	-	-	100	-	-
Newington Station (NH)	-	-	-	-	353	269.9	18.05	1.96	-	-	-	-	100	-
Public Service Co Of NM	466	165.7	32.93	.80	7	568.5	33.22	1.00	23	364.5	3.81	99	*	*
Reeves (NM)	-	-	-	-	-	-	-	-	23	364.5	3.81	-	-	100
San Juan (NM)	466	165.7	32.93	.80	7	568.5	33.22	1.00	-	-	-	100	*	-
Public Service Co Of Oklahoma (CSW)	296	170.3	30.56	.49	-	-	-	-	5,644	244.1	2.58	47	-	53
Northeastern (OK)	296	170.3	30.56	.49	-	-	-	-	1,793	244.1	2.67	73	-	27
Riverside (OK)	-	-	-	-	-	-	-	-	3,080	244.1	2.52	-	-	100
Southwestern (OK)	-	-	-	-	-	-	-	-	771	244.1	2.63	-	-	100
Public Service Electric & Gas Co ...	174	182.4	48.95	.83	89	504.7	31.30	.29	4,604	199.3	2.05	47	6	48
Bergen (NJ)	-	-	-	-	-	-	-	-	1,427	200.5	2.07	-	-	100
Hudson (NJ)	120	183.9	48.29	.82	49	527.7	32.90	.29	1,904	198.0	2.04	58	6	36
Linden (NJ)	-	-	-	-	41	476.9	29.39	.29	-	-	-	-	100	-
Mercer (NJ)	53	179.3	50.44	.84	-	-	-	-	553	199.4	2.05	73	-	27
Sewaren (NJ)	-	-	-	-	-	-	-	-	721	200.1	2.06	-	-	100
Richmond City Of	18	162.0	36.65	2.89	-	-	-	-	-	-	-	100	-	-
Whitewater (IN)	18	162.0	36.65	2.89	-	-	-	-	-	-	-	100	-	-
Rochester City Of	5	172.5	41.97	1.49	-	-	-	-	192	172.4	1.72	39	-	61
Silver Lake (MN)	5	172.5	41.97	1.49	-	-	-	-	192	172.4	1.72	39	-	61
Rochester Gas & Electric Corp	47	166.1	42.71	2.01	-	-	-	-	-	-	-	100	-	-
Rochester 7 (NY)	47	166.1	42.71	2.01	-	-	-	-	-	-	-	100	-	-
Ruston City Of	-	-	-	-	-	-	-	-	164	175.7	1.85	-	-	100
Steam Plant (LA)	-	-	-	-	-	-	-	-	164	175.7	1.85	-	-	100
S Mississippi Elec Pwr Assn	57	205.9	51.11	1.01	-	-	-	-	898	151.0	1.52	61	-	39
Moselle (MS)	-	-	-	-	-	-	-	-	898	151.0	1.52	-	-	100
R D Morrow (MS)	57	205.9	51.11	1.01	-	-	-	-	-	-	-	100	-	-
Salt River Proj Ag I & P Dist	879	122.9	26.12	.50	-	-	-	-	192	224.8	2.31	99	-	1
Agua Fria (AZ)	-	-	-	-	-	-	-	-	178	224.9	2.31	-	-	100
Coronado (AZ)	238	186.3	36.07	.56	-	-	-	-	-	-	-	100	-	-
Kyrene (AZ)	-	-	-	-	-	-	-	-	14	224.1	2.31	-	-	100
Navajo (AZ)	641	102.2	22.42	.48	-	-	-	-	-	-	-	100	-	-
San Antonio City Of	331	124.9	21.07	.41	-	-	-	-	3,402	164.2	1.67	62	-	38
Braunig (TX)	-	-	-	-	-	-	-	-	1,087	164.2	1.67	-	-	100
J T Deely (TX)	331	124.9	21.07	.41	-	-	-	-	-	-	-	100	-	-
Leon Creek (TX)	-	-	-	-	-	-	-	-	12	164.2	1.65	-	-	100
Sommers (TX)	-	-	-	-	-	-	-	-	2,227	164.2	1.67	-	-	100
Tuttle (TX)	-	-	-	-	-	-	-	-	76	164.1	1.69	-	-	100
San Diego Gas & Electric Co	-	-	-	-	-	-	-	-	4,062	250.5	2.58	-	-	100
Encina (CA)	-	-	-	-	-	-	-	-	2,021	250.6	2.59	-	-	100
South Bay (CA)	-	-	-	-	-	-	-	-	2,041	250.5	2.58	-	-	100
San Miguel Electric Coop Inc	251	86.9	9.76	1.89	-	-	-	-	-	-	-	100	-	-
San Miquel (TX)	251	86.9	9.76	1.89	-	-	-	-	-	-	-	100	-	-
Savannah Electric & Power Co	60	167.7	42.73	1.05	-	-	-	-	257	300.0	3.07	85	-	15
McIntosh (GA)	25	172.0	42.98	1.05	-	-	-	-	-	-	-	100	-	-
Port Wentworth (GA)	36	164.8	42.56	1.05	-	-	-	-	195	300.0	3.07	82	-	18
Riverside (GA)	-	-	-	-	-	-	-	-	62	300.0	3.07	-	-	100
Seminole Electric Coop Inc	237	203.9	49.42	2.74	1	610.9	36.12	.08	-	-	-	100	*	-
Seminole (FL)	237	203.9	49.42	2.74	1	610.9	36.12	.08	-	-	-	100	*	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Sierra Pacific Power Co	117	194.0	41.15	0.40	3	270.5	16.91	0.75	2,130	146.8	1.49	53	*	46
Fort Churchill (NV)	-	-	-	-	2	268.8	16.80	.75	1,224	146.8	1.49	-	1	99
North Valmy (NV)	117	194.0	41.15	.40	-	-	-	-	-	-	-	100	-	-
Tracy (NV)	-	-	-	-	1	274.0	17.12	.75	906	146.8	1.49	-	1	99
Sikeston City Of	70	141.8	31.68	2.62	*	248.2	14.70	.26	-	-	-	100	*	-
Sikeston (MO)	70	141.8	31.68	2.62	-	248.2	14.70	.26	-	-	-	100	-	-
South Carolina Electric & Gas Co ..	335	166.9	42.74	1.25	-	-	-	-	1,656	166.1	1.70	84	-	16
Canadys (SC)	56	169.4	43.41	1.28	-	-	-	-	680	166.0	1.70	67	-	33
Mcmeekin (SC)	67	162.6	41.88	1.51	-	-	-	-	449	166.2	1.70	79	-	21
Urguhart (SC)	37	171.5	43.22	1.33	-	-	-	-	527	166.0	1.70	64	-	36
Wateree (SC)	130	167.0	42.85	1.09	-	-	-	-	-	-	-	100	-	-
Williams (SC)	45	166.4	42.47	1.20	-	-	-	-	-	-	-	100	-	-
South Carolina Pub Serv Auth	349	181.9	45.61	1.26	-	-	-	-	-	-	-	100	-	-
Cross (SC)	105	181.9	45.56	1.08	-	-	-	-	-	-	-	100	-	-
Grainger (SC)	26	158.2	40.22	1.94	-	-	-	-	-	-	-	100	-	-
Jefferies (SC)	56	183.3	44.65	1.51	-	-	-	-	-	-	-	100	-	-
Winyah (SC)	163	185.4	46.84	1.18	-	-	-	-	-	-	-	100	-	-
Southern California Edison Co	401	116.7	25.47	.47	-	-	-	-	15,193	276.8	2.90	36	-	64
Alamitos (CA)	-	-	-	-	-	-	-	-	3,607	280.8	2.94	-	-	100
Cool Water (CA)	-	-	-	-	-	-	-	-	538	305.9	3.15	-	-	100
El Segundo (CA)	-	-	-	-	-	-	-	-	1,988	275.1	2.84	-	-	100
Etiwanda (CA)	-	-	-	-	-	-	-	-	1,195	275.1	2.83	-	-	100
Huntington Beach (CA)	-	-	-	-	-	-	-	-	970	284.6	2.97	-	-	100
Mandalay (CA)	-	-	-	-	-	-	-	-	1,244	275.1	2.97	-	-	100
Mohave (NV)	401	116.7	25.47	.47	-	-	-	-	177	253.0	2.60	98	-	2
Ormond Beach (CA)	-	-	-	-	-	-	-	-	2,523	275.1	2.86	-	-	100
Redondo (CA)	-	-	-	-	-	-	-	-	2,865	269.4	2.87	-	-	100
San Bernardino (CA)	-	-	-	-	-	-	-	-	86	275.1	2.87	-	-	100
Southern Illinois Power Coop	54	80.2	15.44	2.49	1	674.6	38.44	.00	-	-	-	99	1	-
Marion (IL)	54	80.2	15.44	2.49	1	674.6	38.44	.00	-	-	-	99	1	-
Southern Indiana Gas & Elec Co	224	143.1	32.21	3.06	1	628.5	36.69	.39	1	320.7	3.29	100	*	*
A B Brown (IN)	117	144.9	33.27	3.36	1	624.5	36.46	.39	-	-	-	100	*	-
Culley (IN)	106	140.9	31.04	2.73	-	663.3	38.72	.39	1	320.7	3.29	100	*	*
Warrick (IN)	-	-	-	-	-	-	-	-	1	320.7	3.29	-	-	100
Southwestern Electric Power Co (CSW)	864	179.0	27.94	.66	-	-	-	-	2,345	222.1	2.22	85	-	15
Arsenal Hill (LA)	-	-	-	-	-	-	-	-	54	164.0	1.79	-	-	100
Flint Creek (AR)	135	162.4	26.99	.27	-	-	-	-	-	-	-	100	-	-
Knox Lee (TX)	-	-	-	-	-	-	-	-	585	163.4	1.75	-	-	100
Lieberman (LA)	-	-	-	-	-	-	-	-	352	164.0	1.78	-	-	100
Pirkey (TX)	233	112.5	14.37	1.67	-	-	-	-	3	163.0	1.78	100	-	*
Welsh Station (TX)	496	207.4	34.58	.29	-	-	-	-	-	-	-	100	-	-
Wilkes (TX)	-	-	-	-	-	-	-	-	1,351	271.5	2.55	-	-	100
Southwestern Public Service Co	704	167.8	29.23	.36	-	-	-	-	3,467	169.6	1.74	78	-	22
Cunningham (NM)	-	-	-	-	-	-	-	-	1,236	155.8	1.62	-	-	100
Harrington (TX)	362	153.4	26.84	.36	-	-	-	-	8	246.4	2.39	100	-	*
Jones (TX)	-	-	-	-	-	-	-	-	683	177.9	1.86	-	-	100
Maddox (NM)	-	-	-	-	-	-	-	-	598	172.8	1.80	-	-	100
Nichols (TX)	-	-	-	-	-	-	-	-	691	168.0	1.63	-	-	100
Plant X (TX)	-	-	-	-	-	-	-	-	244	209.1	2.12	-	-	100
Tolk (TX)	342	183.1	31.76	.36	-	-	-	-	7	246.4	2.49	100	-	*
Springfield City Of	50	134.4	31.65	2.41	-	-	-	-	820	141.3	1.43	59	-	41
James River (MO)	-	-	-	-	-	-	-	-	767	141.3	1.44	-	-	100
Southwest (MO)	50	134.4	31.65	2.41	-	-	-	-	52	141.3	1.42	96	-	4
Springfield City Of	69	137.0	28.46	2.91	-	-	-	-	-	-	-	100	-	-

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Springfield City Of														
Dallman (IL)	63	137.0	28.46	2.91	-	-	-	-	-	-	-	100	-	-
Lakeside (IL)	7	137.0	28.46	2.91	-	-	-	-	-	-	-	100	-	-
St Joseph Light & Power Co	17	131.6	31.12	3.29	-	-	-	-	38	177.1	1.74	91	-	9
Lakeroad (MO)	17	131.6	31.12	3.29	-	-	-	-	38	177.1	1.74	91	-	9
Sunflower Electric Coop Inc	23	115.8	19.59	.36	-	-	-	-	2	124.0	1.00	100	-	*
Holcomb (KS)	23	115.8	19.59	.36	-	-	-	-	2	124.0	1.00	100	-	*
Tallahassee City Of	-	-	-	-	-	-	-	-	298	211.3	2.21	-	-	100
Hopkins (FL)	-	-	-	-	-	-	-	-	107	211.3	2.21	-	-	100
Purdom (FL)	-	-	-	-	-	-	-	-	191	211.3	2.21	-	-	100
Tampa Electric Co	534	180.8	45.20	1.96	7	670.0	38.64	0.36	-	-	-	100	*	-
Big Bend (FL)	474	174.5	43.45	2.06	3	661.9	38.13	.33	-	-	-	100	*	-
Gannon (FL)	60	229.6	58.98	1.14	3	677.6	39.14	.39	-	-	-	99	1	-
Taunton City Of	-	-	-	-	-	-	-	-	283	293.0	3.02	-	-	100
Cleary (MA)	-	-	-	-	-	-	-	-	283	293.0	3.02	-	-	100
Tennessee Valley Authority	3,108	128.2	30.11	2.38	25	645.9	37.49	.50	-	-	-	100	*	-
Allen (TN)	182	122.4	29.55	2.04	*	644.3	37.48	.50	-	-	-	100	*	-
Bull Run (TN)	206	212.8	48.75	1.00	9	632.6	36.55	.50	-	-	-	99	1	-
Colbert (AL)	137	128.0	31.00	1.28	2	644.9	37.49	.50	-	-	-	100	*	-
Cumberland (TN)	535	124.3	28.67	2.72	4	675.7	39.56	.50	-	-	-	100	*	-
Gallatin (TN)	247	120.7	29.49	2.85	1	634.8	37.49	.50	-	-	-	100	*	-
Johnsonville (TN)	161	127.4	30.12	1.73	2	640.7	37.48	.50	-	-	-	100	*	-
Kingston (TN)	283	120.7	30.59	1.32	1	625.3	36.22	.50	-	-	-	100	*	-
Paradise (KY)	640	107.7	22.96	3.79	*	623.1	36.27	.50	-	-	-	100	*	-
Sevier (TN)	169	127.2	32.74	1.68	-	-	-	-	-	-	-	100	-	-
Shawnee (KY)	221	132.3	31.85	1.57	3	652.5	37.90	.50	-	-	-	100	*	-
Widows Creek (AL)	327	133.1	32.24	2.42	3	659.1	37.73	.50	-	-	-	100	*	-
Texas Municipal Power Agency	300	148.3	14.37	1.44	-	-	-	-	-	-	-	100	-	-
Gibbons Creek (TX)	300	148.3	14.37	1.44	-	-	-	-	-	-	-	100	-	-
Texas New Mexico Power Co	62	136.6	18.87	1.03	-	-	-	-	18	164.3	1.76	98	-	2
TNP One (Tx)	62	136.6	18.87	1.03	-	-	-	-	18	164.3	1.76	98	-	2
Texas Utilities Electric Co (TU)	2,638	92.0	11.94	.80	6	584.4	33.87	.50	34,862	215.4	2.23	49	*	51
Big Brown (TX)	333	120.0	16.61	.73	-	-	-	-	74	215.4	2.26	98	-	2
Collin (TX)	-	-	-	-	-	-	-	-	244	215.4	2.20	-	-	100
Decordova (TX)	-	-	-	-	-	-	-	-	3,724	215.4	2.23	-	-	100
Eagle Mountain (TX)	-	-	-	-	-	-	-	-	1,028	215.4	2.22	-	-	100
Graham (TX)	-	-	-	-	-	-	-	-	2,386	215.4	2.27	-	-	100
Handley (TX)	-	-	-	-	-	-	-	-	2,410	215.4	2.25	-	-	100
Lake Creek (TX)	-	-	-	-	-	-	-	-	274	215.4	2.34	-	-	100
Lake Hubbard (TX)	-	-	-	-	-	-	-	-	2,071	215.4	2.26	-	-	100
Martin Lake (TX)	1,188	87.7	11.77	1.07	2	584.4	33.87	.50	-	-	-	100	*	-
Monticello (TX)	1,061	88.3	10.79	.50	4	584.4	33.87	.50	-	-	-	100	*	-
Morgan Creek (TX)	-	-	-	-	-	-	-	-	2,071	215.4	2.26	-	-	100
Mountain Creek (TX)	-	-	-	-	-	-	-	-	3,101	215.4	2.23	-	-	100
North Lake (TX)	-	-	-	-	-	-	-	-	1,915	215.4	2.12	-	-	100
North Main (TX)	-	-	-	-	-	-	-	-	98	215.4	2.24	-	-	100
Parkdale (TX)	-	-	-	-	-	-	-	-	668	215.4	2.18	-	-	100
Permian Basin (TX)	-	-	-	-	-	-	-	-	3,110	215.4	2.21	-	-	100
River Crest (TX)	-	-	-	-	-	-	-	-	204	215.4	2.34	-	-	100
Sandow No 4 (TX)	56	74.8	9.67	1.09	-	-	-	-	-	-	-	100	-	-
Stryker (TX)	-	-	-	-	-	-	-	-	2,077	215.4	2.29	-	-	100
Tradinghouse (TX)	-	-	-	-	-	-	-	-	5,675	215.4	2.21	-	-	100
Trinidad (TX)	-	-	-	-	-	-	-	-	674	215.4	2.28	-	-	100
Valley (TX)	-	-	-	-	-	-	-	-	3,058	215.4	2.28	-	-	100
Toledo Edison Co	107	195.2	50.82	1.17	-	-	-	-	1	274.7	2.82	100	-	*

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Toledo Edison Co														
Acme (OH)	6	170.4	44.00	0.62	-	-	-	-	1	274.7	2.82	99	-	1
Bay Shore (OH)	101	196.6	51.22	1.20	-	-	-	-	-	-	-	100	-	-
Tucson Electric Power Co	21	285.8	58.30	.51	-	-	-	-	102	226.3	2.33	80	-	20
Irrington (AZ)	21	285.8	58.30	.51	-	-	-	-	102	226.3	2.33	80	-	20
Union Electric Co	753	158.2	34.18	1.81	-	-	-	-	145	172.0	1.74	99	-	1
Labadie (MO)	372	135.2	28.80	2.12	-	-	-	-	-	-	-	100	-	-
Meramec (MO)	43	219.8	51.43	1.28	-	-	-	-	7	300.2	3.03	99	-	1
Rush Island (MO)	179	174.6	36.99	1.02	-	-	-	-	-	-	-	100	-	-
Sioux (MO)	159	174.9	38.91	2.13	-	-	-	-	-	-	-	100	-	-
Venice No.2 (IL)	-	-	-	-	-	-	-	-	138	165.5	1.67	-	-	100
United Illuminating Co	64	205.1	54.02	.52	480	365.7	23.32	0.98	723	339.9	3.51	31	56	14
Bridgeport Harbor (CT)	64	205.1	54.02	.52	215	364.4	23.15	.98	-	-	-	-	45	-
New Haven Hbr (CT)	-	-	-	-	265	366.8	23.46	.98	723	339.9	3.51	-	69	31
United Power Assn	64	101.4	13.99	.90	*	665.7	38.30	.40	-	-	-	100	*	-
Stanton (ND)	64	101.4	13.99	.90	*	665.7	38.30	.40	-	-	-	100	*	-
Vero Beach City Of	-	-	-	-	-	-	-	-	299	285.5	2.93	-	-	100
Vero Beach (FL)	-	-	-	-	-	-	-	-	299	285.5	2.93	-	-	100
Vineland City Of	-	-	-	-	4	510.5	30.97	.58	-	-	-	-	100	-
H M Down (NJ)	-	-	-	-	4	510.5	30.97	.58	-	-	-	-	100	-
Virginia Electric & Power Co	978	149.2	37.97	1.34	2	602.5	35.43	.20	97	242.9	2.53	100	*	*
Bremo Bluff (VA)	47	147.0	37.04	.83	1	597.4	35.13	.20	-	-	-	100	*	-
Chesapeake Energy (VA)	140	149.6	39.05	1.20	-	-	-	-	3	237.3	2.47	100	-	*
Chesterfield (VA)	272	150.9	38.85	.98	2	604.0	35.52	.20	-	-	-	100	*	-
Mount Storm (WV)	388	146.0	36.46	1.76	-	-	-	-	-	-	-	100	-	-
Possum Point (VA)	54	156.7	39.45	.96	-	-	-	-	-	-	-	100	-	-
Yorktown (VA)	77	153.9	40.04	1.24	-	-	-	-	95	243.1	2.53	95	-	5
West Penn Power Co (APS)	488	140.4	35.91	2.35	1	454.2	26.90	.27	6	366.7	3.67	100	*	*
Armstrong (PA)	64	126.6	31.16	1.76	*	598.4	35.44	.27	-	-	-	100	*	-
Hatfield (PA)	385	143.9	37.17	2.36	1	384.7	22.78	.27	-	-	-	100	*	-
Mitchell (PA)	39	126.1	31.25	3.14	-	-	-	-	6	366.7	3.67	99	-	1
West Texas Utilities Co (CSW)	153	170.1	28.38	.34	-	-	-	-	3,598	204.1	2.12	41	-	59
Fort Phantom (TX)	-	-	-	-	-	-	-	-	1,609	143.6	1.47	-	-	100
Oak Creek (TX)	-	-	-	-	-	-	-	-	388	370.6	4.02	-	-	100
Oklahoma (TX)	153	170.1	28.38	.34	-	-	-	-	-	-	-	100	-	-
Paint Creek (TX)	-	-	-	-	-	-	-	-	396	188.9	1.97	-	-	100
Rio Pecos (TX)	-	-	-	-	-	-	-	-	757	144.4	1.47	-	-	100
San Angelo (TX)	-	-	-	-	-	-	-	-	448	370.6	4.07	-	-	100
Western Farmers Elec Coop Inc	104	198.1	34.11	.45	-	-	-	-	814	166.6	1.78	67	-	33
Hugo (OK)	104	198.1	34.11	.45	-	-	-	-	-	-	-	100	-	-
Mooreland (OK)	-	-	-	-	-	-	-	-	814	166.6	1.78	-	-	100
Western Massachusetts Elec Co														
(NU)	-	-	-	-	16	431.3	26.83	.95	394	283.2	2.91	-	20	80
West Springfield (MA)	-	-	-	-	16	431.3	26.83	.95	394	283.2	2.91	-	20	80
Wisconsin Electric Power Co	803	133.8	27.53	.80	15	600.4	35.03	.33	75	247.7	2.51	99	1	*
Oak Creek (WI)	149	152.9	39.39	1.67	-	-	-	-	49	284.2	2.88	99	-	1
Pleasant Prairie (WI)	368	87.6	14.89	.38	-	-	-	-	21	174.5	1.78	100	-	*
Port Washington (WI)	18	167.4	43.85	1.54	-	-	-	-	-	-	-	100	-	-
Presque Isle (MI)	210	166.8	35.19	.66	-	-	-	-	-	-	-	100	-	-
Storage Facility #1	-	-	-	-	15	600.4	35.03	.33	-	-	-	-	100	-
Valley (WI)	58	168.5	44.59	1.61	-	-	-	-	6	198.6	2.01	100	-	*
Wisconsin Power & Light Co	536	144.9	27.67	.78	-	-	-	-	27	221.2	2.23	100	-	*

See notes and footnotes at end of table.

Table 48. Quantity, Cost, and Quality of Fossil-Fuel Receipts by Company and Plant, September 1990 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Quantity	Average Delivered Cost		Avg. Sul- fur %	Quantity	Average Delivered Cost ²		Avg. Sul- fur %	Quantity	Average Delivered Cost		Coal	Pe- tro- leum	Gas
	Quantity 1,000 tons	(Cents per 10 ⁶ Btu)	(\$ per short ton)		Quantity 1,000 bbls	(Cents per 10 ⁶ Btu)	\$ per bbl		Quantity 1,000 Mcf	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Wisconsin Power & Light Co														
Blackhawk (WI)	-	-	-	-	-	-	-	-	27	221.2	2.23	-	-	100
Columbia (WI)	229	137.2	24.04	0.56	-	-	-	-	-	-	-	100	-	-
Edgewater (WI)	213	151.2	30.42	.94	-	-	-	-	-	-	-	100	-	-
Nelson Dewey (WI)	71	127.9	25.53	.52	-	-	-	-	-	-	-	100	-	-
Rock River (WI)	24	198.5	44.66	2.17	-	-	-	-	-	-	-	100	-	-
Wisconsin Public Service Corp														
Pulliam (WI)	179	176.7	35.24	1.12	-	-	-	-	19	279.2	2.80	99	-	1
Weston (WI)	67	211.0	46.64	2.15	-	-	-	-	19	279.2	2.80	99	-	1
Wyandotte Municipal Serv Comm ..	112	152.4	28.41	.51	-	-	-	-	-	-	-	100	-	-
Wyandotte (MI)	17	190.0	49.97	.77	-	-	-	-	-	-	-	100	-	-
U.S. Total	65,728	144.6	30.32	1.35	13,968	² 397.5	25.10	1.00	268,756	214.2	2.20	79	5	16

¹ The September 1990 petroleum coke receipts were 33,000 short tons and the cost was 81.2 cents per million Btu.

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 0.05 rounded to zero.

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

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. *Data for 1990 are preliminary. *Mcf=thousand cubic feet and bbl=barrel.

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

Appendix A

Major Disturbances and Unusual Occurrences

Appendix A

Major Disturbances and Unusual Occurrences

Electric power systems are subject to a variety of incidents that, to a smaller or greater degree, may adversely affect the delivery of electricity to consumers. Among these are natural phenomena (such as storms and earthquakes); failure of electric system components; accidental or purposeful activities inimical to continued safe operation of electric power systems; and, difficulties associated with the normal operation of large, extremely complex, real-time systems.

Under current Federal regulations, some disturbances are reported to the Federal Government. The legal basis for the requirements and the specifications of information reported are detailed in Title 10, Part 205, Subpart W, of the *Code of Federal Regulations*, Sections 205.350 --205.353, published in the *Federal Register* on October 31, 1986.

In general, the incidents to be reported are grouped into two categories: mandatory in all cases; and, mandatory if the incident meets specified criteria, where the utility involved is permitted to exercise some judgment as to whether the criteria have been met. Underlying the formulation of the reporting criteria, requirements and procedures was the need for the Federal Government to be aware of potentially dangerous situations, tempered by the desire to minimize burdens on the reporting utilities. Another consideration in the development of the rules was the benefit gained from knowledge of the causes and effects of undesired events that may have been caused by unforeseen system defects or by purposeful adverse actions to system design and operation. The final rules reflect modification of the preliminary rules, as published in the *Federal Register*, based on comments from the electric power industry and the general public.

A report is mandatory when, for the purpose of maintaining the continuity of the bulk power supply system,

a utility (1) initiates a system voltage reduction of 3 percent or more, (2) disconnects circuits supplying over 100 megawatts of firm customer load, or (3) issues an appeal to the public for a voluntary reduction in the use of electricity. A report is also mandatory in regard to any actual or suspected act of sabotage or terrorism directed at the bulk power supply system.

In general, reports are to be made by telephone to the Emergency Operating Center, Department of Energy, in Washington, D.C. as soon as practicable for instances of load shedding or loss of service, and, at the latest, within 3 hours of the beginning of a service interruption. For other disturbances, the allowable reporting time ranges from 24 hours to days. Written reports may be required by the Director, Office of Energy Emergency Operations, if the circumstances so indicate.

The operation of the bulk power system in the United States should be as trouble-free as possible. To that end, information is collected, as discussed above, regarding major disturbances to the normal functioning of that system. Events, such as damage to some local distribution circuits by storms or other uncontrollable events, do not greatly affect the supply of bulk power to the system as a whole. These events are more properly the concern of local and State authorities.

Data Sources

The information contained in Table A1 are based on data from the Form IE-417R, "Electric Power System Emergency Report." These data are collected by the Office of Energy Emergency Operations (under the Assistant Secretary for International Affairs and Energy Emergencies).

**Table A1. Major Disturbances and Unusual Occurrences,
January through October 1990**

Date	Time	Area	Utility/Power Pool (NERC Council)	Type of Disturbance	Loss (megawatt)	Number of Customers Affected	Restoration Time
1/07/90	7:30 AM	East Side of Mesa, Arizona	Salt River Project Phoenix, AZ (WSCC)	¹ Bird	400	61,000	10:00 AM Same Day
1/08/90	2:30 AM	City of Richland, Washington	Richland Municipal Richland, WA (WSCC)	² Storm	NA	NA	1:09 PM 1/10/90
1/28/90	12:01 PM	Lewis County, Washington	Public Utility Dist 1 of Lewis County (WSCC)	³ BPA Tripped	120	21,000	12:19 PM Same Day
1/30/90	7:07 AM	Juneau, Alaska	Alaska Electric Light and Power Company (ASCC)	⁴ Relay Trip	40	7,500	9:06 AM Same Day
2/10/90	3:00 AM	Alabama	Alabama Power Company (SERC)	⁵ Tornadoes	300	98,000	8:00 PM 2/14/90
2/10/90	8:00 AM	Atlanta and Macon, Georgia	Georgia Power Company (SERC)	⁶ Storm	1500	500,000	8:00 PM 2/11/90
2/14/90	6:00 PM	Southwestern Illinois	Illinois Company (MAIN)	⁷ Ice Storm	NA	50,000	8:00 AM 2/18/90
2/15/90	Early AM	Pontiac and Kankakee, Illinois	Commonwealth Edison Company (MAIN)	⁸ Storm	NA	1,500	8:00 AM 2/16/90
2/16/90	3:37 PM	Reno and Carson City, Nevada	Sierra Pacific Power Company (WSCC)	⁹ Storm	650	160,000	7:05 PM Same Day
2/16/90	NA	Homer, Alaska	Homer Electric Association (ASCC)	¹⁰ Volcano	NA	NA	NA
2/25/90	11:28 AM	Seattle, Washington	Seattle City Light (WSCC)	¹¹ Transformer Fire	31	NA	4:15 PM Same Day
2/28/90	3:43 PM	Los Angeles, California	Southern California Edison Company (WSCC)	¹² Earthquake	None	None	7:26 PM Same Day
3/09/90	5:30 AM	Iowa	Several Companies (MAPP)	¹³ Storm	NA	55,400	2:00 PM 3/09/90
3/13/90	5:30 PM	Hesston, Kansas	Kansas Gas and Electric Company (SPP)	¹⁴ Tornado	NA	5,000	5:00 PM 3/16/90
3/20/90	9:40 PM	Plant Vogtle, Georgia	Georgia Power Company	¹⁵ Accident	NA	None	1:47 PM Same Day
4/22/90	9:40 PM	Santa Cruz County, California	Pacific Gas and Electric Company (WSCC)	¹⁶ Sabotage	NA	92,000	AM 4/24/90
5/03/90	3:00 PM	St. Petersburg, Florida	Florida Power Corporation (SERC)	¹⁷ Public Appeal	None	1.1 million	10:00 PM 5/24/90
5/08/90	11:00 AM	North Little Rock, Arkansas	North Little Rock, Arkansas (SPP)	¹⁸ Flood	NA	NA	NA

See endnotes on the next page.

**Table A1. Major Disturbances and Unusual Occurrences,
January through October 1990—Continued**

Date	Time	Area	Utility/Power Pool (NERC Council)	Type of Disturbance	Loss (megawatt)	Number of Customers Affected	Restoration Time
5/08/90	NA	Fort Smith, Arkansas	Arkansas Electric Cooperative (SPP)	¹⁸ Flood	NA	NA	NA
5/08/90	NA	Dardanelle, Arkansas	Southwestern Power Administration (SPP)	²⁰ Flood	NA	NA	NA
5/09/90	12:15 PM	Tuckasegee, North Carolina	Nantahala Power Light Company (SERC)	²¹ Outage	90	NA	1:05 PM Same Day
5/24/90	6:10 AM	Near Benton Harbor, Michigan	Indiana Michigan Power Company (ECAR)	²² Fire	None	None	NA
5/24/90	2:00 PM	New York, New York	Consolidation Edison Company of New York (NPCC)	²³ VR Test	NA	2,000,000	3:03 PM Same Day
6/02/90	6:25 PM	Indiana	IPL, PSI, HE, IM (ECAR)	²⁴ Tornadoes	NA	50,000	25,000 still out 6/04/90
6/02/90	NA	Illinois	Central Illinois Public Service Company (MAIN)	²⁴ Tornadoes	NA	3,850	6/03/90 Remainder Fall 1990
6/04/90	8:59 AM	El Centro, California	Imperial Irrigation District (WSCC)	²⁵ Tornadoes	NA	3,000	9:54 AM 6/5/90
6/06/90	9:00 PM	Limon, Colorado	Mountain View Electric Cooperative (WSCC)	²⁶ Tornado	NA	2,000	NA
6/11/90	4:47 PM	Southern, California	Imperial Irrigation District (WSCC)	²⁷ Storm	367	1 Wholesale Customer	NA
6/15/90	Late Evening	Green Bay, Wisconsin	Wisconsin Public Service Corporation (MAIN)	²⁸ Explosion	None	None	6/22/90
6/18/90	4:31 AM	Southern Nevada	Nevada Power Company (WSCC)	²⁹ Vandalism	31	5,000	11:10 AM Same Day
6/19/90	9:45 PM	Wichita area, Kansas	Kansas Gas and Electric Company (SPP)	³⁰ Storm	500	60,000	6/21/90
6/26/90	2:00 PM	Southern Nevada	Nevada Power Company (WSCC)	³¹ PA	NA	NA	7:00 PM Same Day
6/27/90	2:00 PM	Southern Nevada	Nevada Power Company (WSCC)	³² PA	NA	NA	7:00 PM Same Day
6/27/90	2:00 PM	Arizona	Arizona Public Service Company (WSCC)	³³ Forest Fires	NA	NA	5:00 PM Same Day
6/28/90	2:00 PM	Southern Nevada	Nevada Power Company (WSCC)	³⁴ PA	NA	NA	7:00 PM Same Day
6/29/90	2:00 PM	Southern Nevada	Nevada Power Company (WSCC)	³⁴ PA	NA	NA	7:00 PM Same Day

See endnotes on the next page.

**Table A1. Major Disturbances and Unusual Occurrences,
January through October 1990—Continued**

Date	Time	Area	Utility/Power Pool (NERC Council)	Type of Disturbance	Loss (megawatt)	Number of Customers Affected	Restoration Time
6/30/90	2:00 PM	Southern Nevada	Nevada Power Company (WSCC)	*PA	NA	NA	7:00 PM Same Day
7/01/90	2:00 PM	Southern Nevada	Nevada Power Company (WSCC)	*PA	NA	330,000	7:00 PM Same Day
7/02/90	2:00 PM	Southern Nevada	Nevada Power Company (WSCC)	*PA	NA	330,000	7:00 PM Same Day
7/05/90	1:45 PM	Baltimore, MD and Washington, D.C.	PJM Interconnection (MAAC)	*VR, PA LS	770	NA	4:45 PM Same Day
7/12/90	2:00 PM	Southern Nevada	Nevada Power Company (WSCC)	*PA	NA	NA	7:00 PM Same Day
7/25/90	1:45 PM	Florida	Florida Power and Light Company (SERC)	*PA LC	520	NA	8:00 PM Same Day
7/28/90	10:15 PM	Chicago, Illinois	Commonwealth Edison Company, Chicago (MAIN)	*Int	310	54,000	5:00 PM 7/31/90
7/28/90	1:04 PM	Baltimore, Maryland	Baltimore Gas and Electric Company (MAAC)	*Int	430	93,925	1:07 PM Same Day
8/05/90	9:15 AM	Chicago, Illinois	Commonwealth Edison Company (MAIN)	*Substation Fire	NA	25,000	5:30 PM Same Day
8/06/90	5:49 PM	Pacific NW	Bonneville Pwr. Admin. and other Utilities (WSCC)	*Forest Fire	814	56,162	2:27 AM on 8/07/90
8/07/90	5:36 PM	Pacific NW	Bonneville Pwr. Admin. and Other Utilities (MAAC)	*Forest Fire	714	162	6:55 PM Same Day
8/07/90	8:10 PM	Pacific NW	Bonneville Pwr. Admin. and Other Utilities (WSCC)	*Forest Fire	638	162	10:16 PM Same Day
8/13/90	4:17 PM	New York City, New York	Consolidated Edison Company of New York (NPCC)	*Fire	300	4,140	12:00 PM 8/20/90
8/29/90	3:22 PM	Jacksonville, Florida	Jacksonville Electric Authority (WSCC)	*VR	NA	320,831	4:30 PM Same Day
9/07/90	2:00 PM	Pacific NW and Calif.	Five Systems in Calif. and Pacific NW (WSCC)	*Lightning	1,113	31,000	4:06 PM Same Day
9/20/90	11:05 AM	Fremont-San Jose area	Pacific Gas and Electric Company (WSCC)	*Int	550	250,000	11:52 PM Same Day
10/11/90	1:00 AM	Tampa area in Florida	Tampa Electric Company (SERC)	*Tropical Storm MARCO	NA	12,000	Noon Same Day
10/11/90	1:00 AM	St. Petersburg area in Florida	Florida Power Corporation (SERC)	*Tropical Storm MARCO	NA	10,000	7:00 PM Same Day

See endnotes on the next page.

**Table A1. Major Disturbances and Unusual Occurrences,
January through October 1990—Continued**

Date	Time	Area	Utility/Power Pool (NERC Council)	Type of Disturbance	Loss (megawatt)	Number of Customers Affected	Restoration Time
10/11/90	1:00 AM	West Coast of Florida	Florida Power and Light Company (SERC)	⁵² Tropical Storm MARCO	NA	26,000	6:00 AM Same Day
10/15/90	4:57 PM	Kauai, Hawaii	Citizens Utilities Co Kauai Division Hawaii	⁵³ Generator Failure	27	21,000	6:00 PM 10/17/90
10/26/90	2:21 AM	Hatteras Island North Carolina	Cape Hatteras E.M.C. (SERC)	⁵⁴ Bridge crash	12	5,000	5:00 PM 11/02/90

See endnotes on the next page.

- ¹ A hawk landing on a 69-kilovolt line affected a switch, tripping the line.
- ² Storm caused trees to fall on distribution lines and interrupt service. The system has a total of about 15,000 customers. The storm caused a loss of about 64,000 customer-hours of service (sum of the products of number of customers out multiplied by the length of outage for each customer).
- ³ All supply to Lewis County was interrupted when the Bonneville Power Administration 69-kilovolt feeders tripped, due to unknown causes.
- ⁴ Overload relays on a 69-kilovolt tie with Alaska Power Administration tripped the line when the power transmitted exceeded 43 megawatts on the day of the winter peak (54 megawatts) for the Alaska Electric Light and Power Company.
- ⁵ Tornadoes knocked down 70 transmission structures (which had to be rebuilt) and caused tilting of 32 others that required straightening. The lines out of service totaled 2 at 230-kilovolts, 14 at 115-kilovolts, and 20 at 44-kilovolts.
- ⁶ High winds caused loss of 4 230-kilovolt and several 115-kilovolt transmission lines and damaged distribution facilities. Winds gusted to 80 MPH.
- ⁷ High winds and ice accumulation caused galloping and intermittent contact of conductors on some transmission lines, resulting in tripping. Some distribution circuits were also affected.
- ⁸ Ice accumulation due to winds and low temperatures caused tripping of a 345-kilovolt interconnection with Public Service Company of Indiana, as well as, tripping of some 34.5-kilovolt subtransmission lines and breakage of some distribution circuit lines and poles.
- ⁹ Windstorm deposited alkali dust on 345-kilovolt line insulators, causing flashovers and tripping lines. About 30 megawatts of circuit loads were interrupted in hospitals, military, law enforcement, airports, water treatment plants.
- ¹⁰ Ash from the eruption of Mount Redoubt settled on some 14.4-kilovolt insulators and potheads, causing flashovers and temporary loss of service to some customers.
- ¹¹ Transformer fire in a vault of the 400-volt (secondary) side of the 13-kilovolt downtown underground distribution network necessitated disconnection of several feeders to allow work on the fault.
- ¹² Earthquake in the Los Angeles area caused blocking of some power transfers flowing from the north over the DC Intertie to the Los Angeles area for several hours. Some of the power flow diverted automatically to the 500-kilovolt AC Intertie and some was replaced by peaking units started by Southern California Edison Company. Service was not affected.
- ¹³ A snowstorm, beginning about 5:30 AM on March 7, affected several electric utilities in Iowa. Iowa Power and Light Company lost service to over 10,000 customers, some of whom were without power through the morning of March 9. On the Iowa-Illinois Gas and Electric Company System about 2,400 customers were without power from 5:30 AM until nightfall, on March 7. Interstate Power Company had problems with some 69-kilovolt lines, but no extended outages to customers resulted. A 345-kilovolt transmission line connecting Iowa Power and Light Company, Iowa-Illinois Gas and Electric Company, Iowa Public Service Company, and Interstate Power Company was put out of service when some 72 supporting towers were knocked down by the storm; it will be out of service for 2 or 3 months.
- ¹⁴ A tornado struck Hesston, toppled two 69-kilovolt and one 138-kilovolt transmission lines and destroyed many distribution circuits. Service could not be restored to many homes because they had been destroyed or appeared to be in unsafe condition for the restoration of electric power.
- ¹⁵ Georgia Power Company's Vogtle nuclear plant lost all power on the morning of March 20 when a construction vehicle hit a power line structure at the plant, cutting off all off-site power and leaving the reactor cooling system at one unit inoperable for 45 minutes. There was no release of radiation and no effect on customer service when the unit shut down. A state of emergency was declared at 9:40 AM after one of the plant's emergency generators failed to start. The emergency was lifted at 1:47 PM the same day but the plant was not put back on line pending an investigation by the Nuclear Regulatory Commission.
- ¹⁶ Saboteurs caused failure of a Pacific Gas and Electric Company 115-kilovolt transmission line in Santa Cruz County, disrupting service to about 92,000 customers. Two wood poles were cut down and a steel tower was toppled by cutting the anchor bolts. Service was restored by the use of temporary wooden support structures, pending permanent repairs.
- ¹⁷ Unexpected hot weather and larger than usual outages of generating capacity caused Florida Power Corporation to issue a public appeal for its customers to reduce their use of electricity. It is estimated that conservation measures by customers reduced load by about 300 megawatts. The company did not reduce voltage nor did it disconnect any customers.
- ¹⁸ Flood waters submerged the 20.4-megawatt hydroelectric generating unit at Murray Lock and Dam on the Arkansas River in North Little Rock, Arkansas. The city has power available from Arkansas Power and Light and via other sources. No estimate of when the unit will be back in service is available.
- ¹⁹ Fort Smith Lock and Dam No. 13, a 31-megawatt hydroelectric generating unit cannot generate power because of high water on the downstream side of the plant. No power supply problems are anticipated, since Arkansas Electric Cooperative has interconnections with Arkansas Power and Light Company.
- ²⁰ Southwestern Power Administration's 4-unit plant at Dardanelle, Arkansas cannot generate power because of high water on the downstream side of the plant. SWPA is a bulk power supplier; no problems with power supply to ultimate customers is expected.
- ²¹ Accidental contact with a portion of a main circuit during construction work caused 90 megawatts of generation to be lost. Total load at the time of the incident was about 102 megawatts and about 90 percent of this was lost for 50 minutes.
- ²² A current transformer on a 345-kilovolt circuit breaker blew up, in the switchyard of the D.C. Cook nuclear generating plant. A fire resulted, damaging the breaker and necessitating a reduction in the power output of the D.C. Cook No.1. Customers of the system were not affected as the reduction of plant output was made up by increased output from other plants.
- ²³ Consolidated Edison Company of New York conducted a test of their voltage reduction procedures. The levels tested were 3, 5, and 8 percent during the period from 2:00 PM through 3:03 PM.
- ²⁴ About 30 tornadoes struck Indiana beginning at 6:25 PM, mainly in the southern part of the State. Some 20 transmission lines, at 138-kilovolt, 230-kilovolt, 345-kilovolt and 765-kilovolt were damaged and out of service for various periods of time. The loss of these circuits, the resultant tripping of other transmission lines, and the loss of some 69-kilovolt circuits resulted in the tripping of generating units; some were cut off by system operators, some by protective relays at 3 generating plants: Gibson (PSI) Petersburg (IPL) and Ratts (HE). The generating capacity lost totaled 3,535 megawatts: 2,100 at Gibson, 1,225 at Petersburg and 210 at Ratts. Reclosure of undamaged lines that had tripped began at 8:28 PM on June 2 and was followed by repair work on damaged structures and equipment. As repairs were completed lines were tested and returned to service. All lines, with the exception of the Petersburg (IPL) - Breed (IM) 345-kilovolt circuit, were back in service by 11:00 AM on June 24. On that line, 22 structures required repair or replacement; return to service is estimated as to occur in December 1990. Over 100 transmission structures were damaged or destroyed by the tornadoes. In addition, the sudden tripping of Gibson Unit No. 5 caused bearing damage; return to service is scheduled for July 8, 1990. The tornadoes also struck the Albion substation of Central Illinois Public Service Company, damaging bus structures and other station equipment. One of 345/138-kilovolt transformers was back in service the next day; the other transformer is expected back in service in Fall of 1990.
- ²⁵ One transformer of a 3-phase bank (total 11 MVA) exploded and caused a small fire at the El Centro Terminal Substation of Imperial Irrigation District. Rotating load shedding was instituted on a 30-minute cycle until conditions stabilized; circuits feeding fire, police and tv stations were not disconnected during the load-shedding procedure.
- ²⁶ A tornado destroyed some buildings, damaged others, and broke the wood poles of a structure supporting a 230-kilovolt transmission line over which Mountain View transmits purchased power from Tri-State Gas and Transmission Association. The line is expected to return to service on June 8. Restoration of electric service to buildings that are in safe condition is expected by June 11.
- ²⁷ Twenty-two steel towers of a 230-kilovolt transmission line from Imperial Irrigation District to Southern California Edison Company (SCE) during heavy rainstorm. Initial investigation indicates that the tower footings did not fail. Investigation is continuing. Partial service was restored such that 144 megawatts of the normal 389-megawatts delivery of power had been resumed as of the morning of June 13.
- ²⁸ A coal dust explosion, followed by fire, forced shutdown of the 383-megawatt Pulliam steam plant. Of the four units in operation, one was shutdown by the plant operator and the other three were tripped by protective relays. Three units are expected to return to service by June 22 and the fourth unit by June 30. Customer service was not affected by the incident.
- ²⁹ About 5,000 customers lost a total of some 31 megawatts when a 138-kilovolt single pole transmission structure fell after being cut by an axe and a chainsaw in a vandalism incident. Duration of the incident was from 4:31 AM to 11:10 PM.
- ³⁰ Winds up to 100 MPH caused damage to three 345-kilovolt lines and numerous distribution circuits. One 345-kilovolt line, internal to the system, was restored to service on June 20. One of the other lines, an interconnection with Oklahoma Gas and Electric Company may be back in service by mid-August of this year. The third line, an interconnection with Kansas Power and Light Company may be restored to service by Fall of 1990.

³¹ A public appeal was issued for reduction of usage from 2:00 to 7:00 PM due to a deficiency of generating capacity. Reid Gardner Unit 3 was unavailable because of a forced outage, Mohave 1 was out of service so that Nevada Power lost its 110-megawatt share of that unit, and temperatures near 110 degrees F caused high loads.

³² A public appeal to reduce loads from 2:00 to 7:00 PM was issued. Reid Gardner Unit 3 was unavailable because of boiler repairs. Importation of scheduled energy and capacity from the Celilo-Sylmar 500-kilovolt D.C. line was reduced by 108 megawatts because of line restrictions. Clark Unit 8, a 70-megawatt CT, tripped as the peak load period occurred. Spinning reserve was less than the largest single contingency. Temperatures exceeded 110 degrees F.

³³ High temperatures (around 122 Deg.), increasing load and forest fires that endangered two 345-kilovolt transmission lines caused the company to issue a public appeal for reduction of electric power use. No load was interrupted. The transmission lines were not damaged by the fires.

³⁴ A public appeal was issued for conservation of load from 2:00 to 7:00 PM, because of a capacity deficiency. Reid Gardner Unit 3 was unavailable because of ongoing boiler repairs, and Clark Unit 4, a 50-megawatt CT, tripped while running on its alternate fuel (No. 2 fuel oil). Sunrise Unit 2, a 69-megawatt CT, failed during two starting attempts and then flamed out. Temperatures around the 110 degree level, higher than usual, resulted in high loads. Spinning reserve was less than the largest single contingency.

³⁵ A public appeal was issued for conservation of load from 2:00 to 7:00 PM, because of a capacity deficiency. Reid Gardner Unit 3 was unavailable, loads were higher than normal because of temperatures exceeding 110 degrees and spinning reserve was less than the largest single contingency. A new peak demand record was set.

³⁶ A public appeal was issued for conservation of load from 2:00 to 7:00 PM, because of a capacity deficiency. Reid Gardner Unit 3 was unavailable, loads were higher than normal because of temperatures exceeding 110 degrees and spinning reserve was less than the largest single contingency.

³⁷ Public appeal to reduce load, because of a capacity deficiency. Reid Gardner Unit 3 was unavailable because of ongoing boiler repairs, and temperatures exceeding 110 degrees caused high loads, which set a new peak.

³⁸ Public appeal to reduce load, because of a capacity deficiency. Reid Gardner Unit 3 was unavailable because of boiler repairs, capacity from Hoover Dam was reduced by 18 megawatts because Unit A-18 was not available and capacity from the Celilo-Sylmar 500-kilovolt D.C. line was reduced by 66 megawatts due to line restrictions.

³⁹ High temperatures and high humidity in the Baltimore-Washington area caused load to approach projected summer peak values. Power imports from the ECAR area were near critical levels, beyond which system collapse was possible, and several generating units tripped. As a result, during the afternoon, Potomac Electric Power Company and and Baltimore Gas and Electric Company reduced voltage by 5-percent, then issued public appeals for energy conservation and ultimately went to rotating load shedding. Each system shed about 200 megawatts. The voltage reductions reduced load by about 300 megawatts; the public appeals, combined with requests to large customers for voluntary load reduction, reduced load by another 70 megawatts; and the load shedding gained 400 megawatts additional.

⁴⁰ Appeal to large general service customers: to turn off their non-essential loads between 2:00 and 7:00 PM. Spinning reserve was less than the 5-percent needed to cover the largest single contingency. The company could not get its 85-megawatt share of Navaho Unit 3 because the unit was undergoing boiler repairs and the allocation of power from Hoover Dam was limited to 260 megawatts because of work in progress on the Unit N-6 at that plant.

⁴¹ High temperatures beginning on July 23 and several unplanned outages of generating equipment required issuance of a public appeal on July 25 and requests to customers with curtailable and interruptible service contracts to drop or reduce loads. The reductions in load thus achieved were as follows: Curtailable rate customers, 55 megawatts; Residential Load Management Program, 75 megawatts; Commercial/Industrial load control trial project, 55 megawatts; Interruptible rate customers 85 megawatts and, Public Appeal, 250 megawatts.

⁴² Fire in a 69-kilovolt/12-kilovolt transformer at Crawford Generating Station spread to other equipment and wiring cut off service to an estimated 54,000 customers in an area of about 600 to 800 blocks in southwest Chicago. Utility power to four hospitals and the Cook County Jail was cut off, so that those customers had to rely on their on-site emergency generators. Service to some customers was restored within about 6 hours, but some were without power until the afternoon of July 31.

⁴³ A 230-kilovolt/115-kilovolt transformer at Waugh Chapel Substation failed due to an internal fault. Personnel working on another transformer load from the faulted transformer in the substation were able to expediate transfer of load from the faulted transformer to the transformer on which they had been working.

⁴⁴ Fire at the Columbus Park Substation of Commonwealth Edison Company. The substation is on a radial feeder and the fire posed no threat to the interconnected system.

⁴⁵ Lines 1 and 2 of the 500 KV AC Pacific NW Intertie tripped, possibly due to ash and soot, from a nearby forest fire, settling on line insulators and causing flashovers. Tripping of the two lines initiated relaying actions that opened 12 other lines, dividing WSCC into two islands. Mismatch of loads and generation in each of the islands resulted in frequency fluctuations and some tripping of generation and loads.

⁴⁶ Forest fires caused tripping of the 500 KV AC Pacific NW Intertie lines from Round Mountain to Table Mountain. Subsequent operation of protective relays opened other transmission lines, tripped 1,700 megawatts of generating capacity in the Northwest and also tripped 1,239 megawatts of capacity at the Colstrip plant in southeastern Montana and divided WSCC into two islands in accordance with pre-arranged plans. The California Department of Water Resources lost 300 megawatts of pumping load and the Pacific Gas and Electric Company lost 414 megawatts of interruptible load. Frequency in both islands fluctuated.

⁴⁷ Forest fires caused tripping of the one 500 KV Pacific NW Intertie line that was in service from Round Mountain to Table Mountain. Protective relay actions then tripped several other transmission lines, separated WSCC into two islands and tripped 400 megawatts of generation at the Colstrip plant. Pacific Gas and Electric Company lost 162 customers and 414 megawatts of interruptible load and the California Department of Water Resources lost 224 megawatts of pumping load. Frequency fluctuated in both islands.

⁴⁸ Fire in the Seaport substation caused tripping of circuits and interrupted power supply to the World Trade Center, Battery Park City, Cortlandt and Fulton networks, affecting a large part downtown Manhattan. Some customers had service restored by 4:17 PM that day. All networks except Fulton had been returned to service by 5:00 PM that day. All customers were restored by noon on August 20.

⁴⁹ A voltage reduction of 5 percent was instituted due to inadequacy of generating capacity after unforeseen loss of two generating units: tripping of St. John's No. 2 decreased capacity available by 313 megawatts (Jacksonville's share) and tripping of Northside No. 3 reduced capacity by another 518 megawatts.

⁵⁰ Lightning tripped the Hanford-John Day 500-kilovolt transmission line. When the line was tested prior to being re-energized, a bushing on the circuit breaker at the Hanford end of the line blew up. Resulting instability on the 500-kilovolt AC Pacific Intertie caused out-of-step conditions at Malin substation and tripping of several other AC transmission lines. The AC Pacific Intertie remedial action procedures, automatically initiated by relay actions, separated the WSCC system into a Northern island and a Southern island, tripping additional transmission lines, some generating units and some customers. Sierra Public Power Company lost 30,000 customers, Bonneville Power Administration lost 1 interruptible customer and Southern California Edison lost 3 small substations on a 60-kilovolt line. Loss of load was BPA, 282 megawatts; Pacific Gas and Electric Company, 400 megawatts; California Department of Water Resources, 341 megawatts of pumping load; Southern California Edison Company 5 megawatts; Sierra Pacific Power Company, 85 megawatts.

⁵¹ During a normal switching operation at Newark substation in the Fremont-San Jose area, flashovers occurred on the bus selector switches. Protective relays then tripped the Newark 115-kilovolt busses No. 1 and No. 2. System frequency went immediately to 60.07 cycles then in 6 minutes returned to 60.01 cycles. Approximately 250,000 customers were effected and about 550 megawatts of load was lost. The effect

⁵² A tropical storm MARCO moved over the peninsula on October 11, 1990.

⁵³ The commutator of the exciter on a 21-megawatt gas turbine unit flashed over and the generator tripped, while carrying a full load. This generator is part of a combined cycle unit; the steam portion carrying 6 megawatts was lost when the gas turbine tripped. A new exciter, shipped from England, has been installed and is under test as of October 26, 1990. When the incident occurred, system frequency declined, and several feeders were tripped by under-frequency relays. Diesel generators came on in about 6 minutes and helped to restore the system to almost normal. Rolling blackouts were instituted to keep the system in operation.

⁵⁴ A dredge out of control knocked down a 250-300 foot section of the Herbert C. Bonner bridge over Oregon Inlet between Bodie Island and Hatteras Island in North Carolina, severing the electrical cables which supplied power to Hatteras Island. The accident also cut off service to Ocracoke Island, which is supplied by the Hatteras system. Because Ocracoke was in the process of installing a 3-megawatt diesel, it was able to speed up the testing procedure, thereby continuing service to its customers. Hatteras Island lost power completely. Emergency generators were flown in and served part of the Hatteras load until underwater cables laid across the inlet were able to pick up the total load.

Note: Under the rules promulgated in the Code of Federal Regulations (10 CFR Part 205) and published in the **Federal Register** of October 31,

1986, the United States Department of Energy does not receive reports of distribution system outages that are local in nature and affect only a small area or a small number of customers; the following abbreviations may be applicable:

EDT=Eastern Daylight Time,
EST=Eastern Standard Time,
Int=Interruption of service,
LF=Line Fault (Accidental contact of energized conductors or of energized conductors with ground)
LR=Load Reduction,
LTNG=Lightning Strike,
MAST=Mountain Advanced Standard Time,
MW=Megawatts,
NA=Not Available,
PA=Public Appeal,
EMC=Electric Membership Corporation,
PJM=Pennsylvania, New Jersey, Maryland,
UO=Unusual Occurrence,
VR=Voltage Reduction,
LS=Load Shedding,
LC=Curtailment and interruptible customers were to drop some load
IPL=Indianapolis Power and Light Company,
PSI=Public Service of Indiana,
HE=Hoosier Energy Rural Electric Cooperative,
IM=Indiana Michigan Power Company (subsidiary of American Electric Power Company).
Source: International Affairs and Energy Emergencies, Form IE-417R, "Electric Power System Emergency Report."

Appendix B

References

Appendix B

References

1. Energy Information Administration, Office of Energy Markets and End Use, *Annual Energy Outlook*, DOE/EIA-0383(90) (Washington DC, 1989).
2. Energy Information Administration, Office of Energy Markets and End Use, *Annual Energy Review*, DOE/EIA-0384(89) (Washington DC, 1990).
3. Bishop, Y.M.M. "Imputation, Revision, and Seasonal Adjustment," *1980 Proceedings of the American Statistical Association Meetings*, July 1980.
4. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Cost and Quality of Fuels for Electric Utility Plants - Annual*, DOE/EIA-0191(89), (Washington DC, 1990).
5. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Electric Power Annual*, DOE/EIA-0348(88), (Washington DC, 1989).
6. Hill, E. and French C. "Editing Very Large Data Bases," *1981 Conference on Information Sciences and Systems*, The Johns Hopkins University, March 1981.
7. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Inventory of Power Plants in the United States*, DOE/EIA-0095(89) (Washington DC, 1990).
8. Energy Information Administration, Office of Energy Markets and End Use, *Monthly Energy Review*, DOE/EIA-0035(90) (Washington DC, 1990).
9. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Electric Sales, Revenue, and Bills*, DOE/EIA-0540(88) (Washington DC, 1990).
10. Energy Information Administration, Office of Statistical Standards, *An Assessment of the Quality of Selected EIA Data Series: Electric Power Data*, DOE/EIA-0292(89) (Washington DC, 1989).
11. Kott, P.S., "Nonresponse in a Periodic Sample Survey," *Journal of Business and Economic Statistics*, April 1987, Volume 5, Number 2, pp. 287-293.
12. Knaub, J.R., Jr., "Ratio Estimation and Approximate Optimum Stratification in Electric Power Surveys," *Proceedings of the Section on Survey Research Methods*, American Statistical Association, 1989, pp. 848-853.

Appendix C

Technical Notes

Appendix C

Technical Notes

Sources of Data

The *Electric Power Monthly (EPM)* is prepared by the Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF), Energy Information Administration (EIA), U.S. Department of Energy. Data published in the *EPM* are compiled from six data sources. Three statistical forms are filed monthly and two forms are filed annually by electric utilities. Those forms are: the Form EIA-759, "Monthly Power Plant Report," the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," the Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," the Form EIA-861, "Annual Electric Utility Report," and the Form EIA-860, "Annual Electric Generator Report." In addition, the *Electric Power Monthly* also includes data collected on the Form IE-417R, "Electric Power System Emergency Report." A brief summary of these forms is presented below.

Form EIA-759

The Form EIA-759 is a census of all operators of electric utility plants producing electric power for public use. The Form EIA-759 is used to collect monthly data on net generation, consumption of coal, petroleum, and natural gas; and end-of-the-month stocks of coal and petroleum for each plant by prime mover and fuel-type combination. Summary data from the Form EIA-759 are also contained in the *Electric Power Annual (EPA)*, *Monthly Energy Review (MER)*, and the *Annual Energy Review (AER)*. These reports present aggregated data for electric utilities at the U.S., Census division, and North American Electric Reliability Council Region (NERC) levels.

Instrument and Design History. Prior to 1936, the Bureau of the Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry. In 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Sections 311 and 312, and FPC Order 141 define the legislative authority to collect power production data.

The Form EIA-759 replaced the FPC Form 4 in January 1982.

Data Processing. The Form EIA-759, along with a return envelope, is mailed to respondents approximately 4 working days before the end of the month. The completed forms are to be returned to the EIA by the 10th day after the end of the reporting month. After receipt, data from the completed forms are manually logged in and edited before being keypunched for automatic data processing. An edit program checks the data for errors not found during manual editing. The electric utility companies are telephoned to obtain data in cases of missing reports and to verify data when questions arise during editing. After all forms are received from the respondents, the final automated edit is submitted. Following verification of the data, text and tables of aggregated data are produced for inclusion in the *EPM*. Following EIA approval of the *EPM*, the data are made available for public use, on a cost-recovery basis, through custom computer runs, data tapes, or in publications.

FERC Form 423

The Federal Energy Regulatory Commission (FERC) Form 423 is a monthly record of delivered-fuel purchases, submitted by approximately 225 electric utilities for each fossil-fuel plant with a total generator nameplate capacity of 50 or more megawatts. Summary data from the FERC Form 423 are also contained in the *EPA*, *MER*, and the *Cost and Quality of Fuels for Electric Utility Plants - Annual*. These reports present aggregated data on electric utilities at the U.S., Census division, and State levels.

Instrument and Design History. On July 7, 1972, the FPC issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the Form 423. Originally, the form collected data only on fossil-steam plants, but was amended in 1974 to include data on internal combustion and combustion turbines. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, which were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to

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

Data Processing. A computerized mailing-address file is used to send a 6-month supply of forms to respondents semiannually. Completed forms are to be returned to the EIA by the 45th day following the end of the reporting month. Data from the completed forms are manually logged in and edited before being key-punched 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. After all forms have been received from the respondents, the final automated edit is submitted. Following verification of the data, text and tables of aggregated data are produced for inclusion in the *EPM*. After the *EPM* is cleared by the EIA, the data become available for public use, on a cost-recovery basis, through custom computer runs, data tapes, or in publications.

Form EIA-826

The Form EIA-826 is a monthly collection of data from a statistically derived sample of over 400 privately and publicly owned electric utilities. The Form EIA-826 provides some financial data to the Department of Commerce for use in calculating the Gross National Product and construction costs. The electric power sales data are used by the Federal Reserve Board in their economic analyses.

Instrument and Design History. The collection of electric power sales, revenue, and income data began in the early 1940's and was established as FPC Form 5 by FPC Order 141 in 1947. In 1980, the report was revised with only selected income items remaining and became the FERC Form 5. The Form EIA-826 replaced the FERC Form 5 in January 1983. In January 1987, the Form EIA-826 was changed to the "Monthly Electric Utility Sales and Revenue Report with State Distributions;" it was formerly titled, "Electric Utility Company Monthly Statement." The Form EIA-826 was revised in January 1990, and some data elements were eliminated.

Frame. The current sample for the Form EIA-826, which was designed to obtain estimates of electricity sales and revenue per kilowatthour at the State level by end-use sector, was chosen to be in effect for the January 1990 data. The frame for the Form EIA-826 was originally based on the 1987 submission of the Form EIA-861 (Section 1.4), which consisted of approximately 3,250 electric utilities selling retail and/or sales for resale. Updates have been made to the frame to reflect mergers that affect data processing. The sample consists of "certainty" and "noncertainty" strata

from which a selection of over 400 utilities was drawn. Since some electric utilities serve in more than one State, this includes a slightly larger number of State-service areas. (The State-service area is actually the sampling unit. For each State served by each utility, there is a utility State-part, or "State-service area.") This stratified sampling approach allowed for an explicit calculation of estimates for State, Census division, and national level sales and revenue per kilowatthour by customer sector (residential, commercial, industrial and other). Auxiliary data from the Form EIA-861 were used to improve the precision of our estimates, as reflected in the estimates of coefficients of variation. (Note that estimates at the "State level" are for sales for the entire State, and similarly for "Census division" and "National" levels.)

The preponderance of electric power sales to ultimate consumers in each State are made by a few large utilities. Ranking of electric utilities by retail sales on a State-by-State basis revealed a consistent pattern of dominance by a few electric utilities in nearly all 50 States and the District of Columbia. These dominant electric utilities were selected to be in the certainty stratum. These electric utilities constitute less than half the sample and about 6 percent of the population of U.S. electric utilities, but provide three-quarters of the total U.S. retail electricity sales. The allocation of electric utilities for sampling within the noncertainty sample strata was determined by the projected impact upon coefficients of variation for all sectors at the State level. The calculations used to derive electricity sales, revenue per kilowatthour, and associated CV estimates are provided in the Form EIA-826 subsection of the 2.3 Formulas Section of the Technical Notes, which follows the Sources of Data Section.

Form EIA-861 sales data for 1984 through 1988 at the national level are also presented in the *Electric Power Annual (EPA)* because these data are aggregates from actual submissions from electric utilities for the entire United States. The Form EIA-826 data for 1984 through 1988 in this publication are preliminary annual aggregates and will continue to be presented in order to maintain the historical time series for analytical purposes, although it must be remembered that there have been sample, sample design, and estimation methodological changes.

Data Processing. The forms are mailed each year to the electric utilities with State-parts selected in the sample. The completed form is to be returned to the EIA by the last calendar day of the month following the reporting month. Nonrespondents are telephoned to obtain the data. Imputation, discussed in Section 2.3, is used for any remaining nonresponse. The data are edited and entered into the computer where additional checks are completed. After all forms have been received from the respondents, the final automated edit is submitted. Following verification, tables and text of the aggregated data are produced for inclusion in the *EPM*. After the *EPM* receives clearance from the EIA,

the data are made available for public use through custom computer runs, data tapes, or in publications on a cost-recovery basis.

Form EIA-861

The Form EIA-861 is a mandatory census of electric utilities in the United States. The survey is used to collect information on power production and sales data from approximately 3,250 electric utilities. The data collected are used to maintain and update the EIA's electric utility frame data base. This data base supports queries from the Executive Branch, Congress, other public agencies, and the general public. Summary data from the Form EIA-861 are also contained in the *Electric Sales, Revenue, and Bills*; the *Financial Statistics of Selected Electric Utilities*; and, the *Annual Outlook for U.S. Electric Power*. These reports present aggregate totals for electric utilities on a national level, by State, and by ownership type.

Instrument and Design History. The Form EIA-861 was implemented in January 1985 to collect data as of year-end 1984. The Federal Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Data Processing. The Form EIA-861 is mailed to the respondents in February of each year to collect data as of the end of the preceding calendar year. The completed forms are to be returned to the EIA by May 1. The data are manually edited before being entered into the interactive on-line system. Internal edit checks are performed to verify that current data total across and between schedules, and are comparable to data reported the previous year. Edit checks are also performed to compare data reported on the Form EIA-861 and similar data reported on the Forms EIA-826; EIA-412, "Annual Report of Public Electric Utilities;" and FERC Form 1, "Annual Report of Major Electric Utilities, Licensees, and Others." Respondents are telephoned to obtain clarification of reported data and to obtain missing data.

Form EIA-860

The Form EIA-860 is a mandatory census of electric utilities in the United States and Puerto Rico that operate power plants or plan to operate a power plant within 10 years of the reporting year. The survey is used to collect data on electric utilities' existing power plants and their 10-year plans for constructing new plants, generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the generating unit level. These data are then aggregated to provide totals by energy source (coal, petroleum, gas, water, nuclear, other) and geographic area (State, NERC region, Federal region, Census division). Additionally, at the national level, data are aggregated to provide totals by prime mover.

Data from the Form EIA-860 are also summarized in the *Inventory of Power Plants in the United States*, and as input to publications and studies by other offices in the Department of Energy.

Instrument and Design History. The Form EIA-860 was implemented in January 1985 to collect data as of year-end 1984. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Data Processing. The Form EIA-860 is mailed to approximately 900 respondents in December to collect data as of the end of the preceding calendar year. The completed forms are to be returned to the EIA by February 15. Data for each respondent are preprinted from the applicable data base. Respondents are instructed to verify all preprinted data and to supply missing data. The data are manually edited before being keypunched for automatic data processing. Computer programs containing additional edit checks are run. Respondents are telephoned to obtain correction or clarification of reported data and to obtain missing data, as a result of the manual and automatic editing process.

Form IE-417R

Electric utilities or other entities, subject to the provisions of Section 311 of the Federal Power Act (FPA), that are engaged in the generation, transmission, or distribution of electric energy for delivery and/or sale to the public are required to report expeditiously any 1) loss of firm system loads; 2) voltage reductions and public appeals; 3) vulnerabilities that could impact bulk electric power system adequacy or reliability; and, 4) fuel supply emergencies to the DOE.

In accordance with Section 202(a) of the Federal Power Act (FPA), the DOE is responsible for encouraging actions to assure an abundant supply of electric energy throughout the country. Under Section 311 of the FPA, the DOE is authorized and directed to collect information regarding the generation, transmission, and distribution of electric energy and to report the problems and developments of the electric utility industry to Congress. The Secretary of Energy has the Federal responsibility of receiving reports of major electric utility system emergencies. The Secretary has delegated that responsibility to the Office of International Affairs and Energy Emergencies (IE) with the DOE.

Instrument and Design History. The collection of outage data was initiated by the FPC prior to the organization of the DOE. After Congress passed legislation creating the DOE, the collection of electric power system outage data became a function of the DOE. Currently the Assistant Secretary of IE is the principal DOE office for this activity. Form IE-417 was activated after public comment on a rule-making process.

cedure (FR 7/6/83). The form was revised to Form IE-417R after public comment under a later rule-making procedure (FR 10/31/86).

Data Processing. Reports of emergencies are usually received by the Alert Coordination Officer via telephone. The Director, Office of Emergency Operations, has the authority to require a full technical report (after notice in the *Federal Register*).

Quality of Data

The CNEAF office is responsible for routine data improvement and quality assurance activities. All operations in this office are done in accordance with formal standards established by the 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. The CNEAF office 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. Once implemented, the actual performance of working data collection systems is also validated. 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 a mandatory EIA data form. Before invoking the law, the EIA tries to obtain the required information by encouraging cooperation of nonrespondents.

Completed forms received by the CNEAF office are sorted, screened for completeness of reported information, and keyed onto computer tapes for storage and transfer to random access data bases for computer processing. The information coded on the computer tapes is manually spot-checked against the forms to certify accuracy of the tapes. To ensure the quality standards established by the EIA, formulas that use the past history of data values in the data base have been designed and implemented to check data input for errors automatically. (See items 3 and 6 in Appendix B). Data values that fall outside the ranges prescribed in the formulas are verified by telephoning respondents to resolve any discrepancies.

Conceptual problems affecting the quality of data are discussed in the report, *An Assessment of the Quality of Selected EIA Data Series: Electric Power Data*. This report is published by the Energy Information Administration (Office of Statistical Standards). See item 10 in Appendix B.

Data Editing System

Data from the form surveys are edited on a monthly basis using automated systems. 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 their 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, which are used as input to the *EPM*.

Confidentiality of the Data

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

Formulas

The following formula is used to calculate percent differences.

$$\text{Percent Difference} = \left(\frac{x(t_2) - x(t_1)}{x(t_1)} \right) \times 100,$$

where $x(t_1)$ and $x(t_2)$ denote the quantity at year t_1 and subsequent year t_2 .

Form EIA-759. Data for the Form EIA-759 are collected at the plant level. These data are then aggregated to provide geographic totals at the State, Census division, and U.S. level, or totals by type of plant. Consumption of fuel(s) is converted from quantities (in short tons, barrels, or thousand cubic feet) to Btu at the plant level. End-of-month fuel stocks for a single generating plant may not equal beginning-of-the-month stocks, plus receipts, less consumption, for many reasons, including the fact that several plants may share the same fuel stock.

FERC Form 423. Data for the FERC Form 423 are collected at the plant level. These data are then used in the following formulas to produce aggregates and averages for each fuel type at the State, Census division, and U.S. level. For these formulas, receipts and average heat content are at the plant level. For each geographic region, the summation Σ represents the sum of all plants in that geographic region. Additionally,

- For coal, units for receipts (R) are in tons, units for average heat content (A) are in Btu per pound, and the unit conversion (U) is 2,000 pounds per ton;
- For petroleum, units for receipts (R) are in barrels, units for average heat content (A) are in Btu

per gallon, and the unit conversion (U) is 42 gallons per barrel;

- For gas, units for receipts (R) are in thousand cubic feet (Mcf), average heat content (A) are in Btu per cubic foot, and the unit conversion (U) is 1,000 cubic feet per Mcf.

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

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

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

where i denotes a plant; R_i = receipts for plant i ;
 and, A_i = average heat content for receipts at plant i .

The weighted average cost in cents per million Btu is calculated using the following formula:

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

where i denotes a plant; R_i = receipts for plant i ;
 A_i = average heat content for receipts at plant i ;
 and, C_i = cost in cents per million Btu for plant i .

The weighted average cost in dollars per unit is calculated using the following formula:

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

where i denotes a plant; R_i = receipts for plant i ;
 A_i = average heat content for receipts at plant i ;
 U = unit conversion; and, C_i = cost in cents per million Btu for plant i .

Form EIA-826. The Form EIA-826 data are collected at the utility level by sector and State. When a utility has sales in more than one State, the State data that may be required are dependent upon the sample selection that was done for each State independently. Data from the Form EIA-826 are used to determine estimates by sector at the State, Census division, and national level for the entire corresponding State, Census division, or national category. Form EIA-861 data were

used as the frame from which the sample was selected, and also as auxiliary data to aid in estimation.

The sample consists of certainty and noncertainty strata from which a selection of more than 400 electric utilities was drawn. This includes a somewhat larger number of State-service areas for electric utilities. Estimation procedures include an imputation procedure to account for nonresponse. A simple form of the "Ratio-of-Identicals Method" (U.S. Bureau of the Census) or "Historical Imputation Strategy"¹ is being used. "Growth" rates for similar respondents are calculated and applied to data previously reported by current nonrespondents. If needed, data from an annual survey may be used in this formulation to estimate, based on the corresponding data from similar respondents. With imputation, coefficient of variation (CV) estimates become estimates of the lower bounds for true CV's, but this effect should be minimal and could be thought of as part of the nonsampling error, which is not estimated, although attempts are made to minimize it.

Estimates of sales and revenue per kilowatthour at the State level are design-based combined ratio estimates. (Model-based estimates may be used in the future if it is shown that the results would not have been substantially different over the next few years. Note that there is no monthly census data available for analyzing the validity of a model. Therefore, a relatively large number of small utilities have been selected as Form EIA-826 respondents for the purpose of implementing design-based estimation.) State-level sales estimates are calculated using a Keyfitz formulation, modified to account for the certainty stratum in each State. Similarly, a modified double-ratio estimation procedure is used for estimation of revenue per kilowatthour at the State level. These estimates are accumulated separately to produce the Census division and national level estimates.²

The coefficient of variation (CV) statistic, usually given as a percent, describes the magnitude of sampling error that might reasonably be incurred. The CV is the square root of the estimated relative variance of the variable of interest. The variable of interest may be the ratio of two variables (for example, revenue per kilowatthour), or a single variable (for example, sales). Additional ratioing is due to the use of auxiliary information from the Form EIA-861.

The sampling error may be less than the nonsampling error. Nonsampling errors may be attributed to many sources, including the inability to obtain complete information regarding all cases in the sample, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding data obtained, and other errors of collection, response,

¹Kott, P.S., "Nonresponse in a Periodic Sample Survey," *Journal of Business and Economic Statistics*, April 1987, Volume 5, Number 2, pp. 287-293.

²Knaub, J. R., Jr., "Ratio Estimation and Approximate Optimum Stratification in Electric Power Surveys," *Proceedings of the Section on Survey Research Methods*, American Statistical Association, 1989, pp. 848-853.

coverage, or estimation for missing data. These nonsampling errors also occur in complete censuses. In a complete census, this problem may become unmanageable.

Coefficients of variation are indicators of error due to sampling. (CVs do not account for nonsampling errors, such as errors of misclassification or transposed digits. However, estimates of CVs, although not designed to measure nonsampling error, are affected by them.) Using the Central Limit Theorem, which applies to sums and means such as are applicable here, there is approximately a 68-percent chance that the true sampling error is less than the corresponding CV. Note that reported CVs are always estimates, themselves, and are usually, as here, reported as percents. As an example, suppose that a revenue-per-kilowatthour value is estimated to be 5.13 cents per kilowatthour with an estimated CV of 1.6 percent. This means that, ignoring any nonsampling error, there is approximately a 68-percent chance that the true average revenue per kilowatthour is within approximately 1.6 percent of 5.13 cents per kilowatthour (that is, between 5.05 and 5.21 cents per kilowatthour). There is approximately a 95-percent chance of a true sampling error being 2 CVs or less.

Form EIA-861. Data for the Form EIA-861 are calculated at the utility level from all electric utilities in the United States, its territories, and Puerto Rico. These data are then aggregated to provide national-level electricity sales values by consumer class of service.

Form EIA-860. Data from the Form EIA-860 are submitted at the generating unit level and are then aggregated to provide total capacity by energy source and geographic area. In addition, at the national level, data are aggregated by prime mover.

Estimated values for net summer and net winter capability for electric generating units were developed by use of a regression formula. The formula is based on reported values in the 1984 data file. The formula is used to estimate values for existing units where data are missing and for projected units. In all formulas, the symbol, *, is an operator meaning multiplied by; the symbol, **, is an operator meaning raised to the specified power (exponent).

For nuclear units,

- Net Summer Capability equals $(0.8285 * (\text{Design Electrical Rating}^{**1.02509}))$, rounded to the nearest megawatt,
- New Winter Capability equals $(0.8593 * (\text{Design Electrical Rating}^{**1.0215}))$, rounded to the nearest megawatt,

where

- Design Electrical Rating is expressed in megawatts.

For non-nuclear units,

- Net Summer Capability equals $E^{**}(i \text{ plus } (\ln(\text{generator Nameplate Capacity}) * c))$, rounded to nearest megawatt,

where

- E, the base of natural logarithms (ln), is approximately 2.71828,
- Generator Nameplate Capacity is expressed in megawatts,
- i is the intercept, and c is the regression coefficient,
- i equals 0.02564, c equals 0.98423, for steam units (Unit Type is Steam Turbine - Boiler (ST)),
- i equals 0.10255, c equals 0.97841, for gas-turbine units (Unit Types are Gas Turbine (GT) and Jet Engine (JE)),
- i equals 0.00397, c equals 0.95914, for combined-cycle units (Unit Types are Combined Cycle Steam Turbine with Supplementary Firing (CA), Combined Cycle - Single Shaft (CS), Combined Cycle Steam Turbine with Only Waste Heat Capability (CW), and Combustion Cycle Combustion Turbine (CT)),
- i equals 0.08865, c equals 1.00966, for internal combustion units (Unit Type is Internal Combustion (diesel) (IC)),
- i equals 0.04963, c equals 1.03738 for conventional and pipeline hydroelectric units (Unit Types are Hydraulic Turbine - Conventional (HC) and Hydraulic Turbine - Pipeline (HL)),
- i equals 0.00922, c equals 1.00630, for pumped storage hydroelectric units (Unit Type is Hydraulic Turbine - Reversible (pumped storage) (HR)),
- i equals 0.02604, c equals 0.98289, for all other units (Unit Types are Fuel Cell (FC), Steam Turbine - Geothermal (GE), Ocean Thermal Turbine (OC), Photovoltaic (SP), Steam Turbine - Solar (SS), and Wind Turbine (WT)).
- Net Winter Capability equals $(E^{**}i) * (\text{Generator Nameplate Capacity}^{**}c)$, rounded to nearest megawatt,

where

- E, the base of natural logarithms (ln), is approximately 2.71828,
- Generator Nameplate Capacity is expressed in megawatts for conventional hydroelectric and pipeline hydroelectric units, and in kilowatts for all other unit types,
- i is the intercept, and c is the regression coefficient,

- i equals 0.1614, c equals 0.98373, for steam units (Unit Type is ST),
- i equals 0.2249, c equals 0.97881, for gas-turbine units (Unit Types are GT and JE),
- i equals 0.9626, c equals 0.90413, for combined-cycle units (Unit Types are CA, CS, CW, and CT),
- i equals 0.1378, c equals 1.02501, for internal combustion units (Unit Type is IC),
- i equals 0.0608, c equals 1.02560, for conventional and pipeline hydroelectric units (Unit Types are HC and HL),
- i equals 0.1167, c equals 1.08540, for pumped storage hydroelectric units (Unit Type is HR),
- i equals 0.2859, c equals 0.96587, for all other units (Unit Types are FC, GE, OC, SP, SS, and WT).

Average Heat Content

Heat content values (Table C1) collected on the FERC Form 423 were used to convert the consumption data from the Form EIA-759 into Btu. Respondents to FERC Form 423 represent a subset of all generating plants (steam plants with a capacity of 50 megawatts or larger), while Form EIA-759 respondents represent all generating plants. The results, therefore, may not be completely representative.

Rounding Rules for Data

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

Data Correction Procedure

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

1. All data collected by this office (excluding secondary source data) will be published as preliminary data when first appearing in an energy data report.
2. The next publication of the data will be in final form at which point the data base is closed.
3. Revisions or corrections will be made only in the event a substantial (greater than 1 percent) re-

porting change is received or a substantial (greater than 1 percent) error is discovered.

4. Revisions or corrections to published secondary source data will be made if and when the organization from which the data were received revises or corrects the data.
5. No revisions will be made without the approval of the Director, Electric Power Division.

A comparison of preliminary versus revised published data is provided in Table C2.

A goal of the Energy Information Administration (EIA) is to provide high quality data for use by industry and other organizations such as Congress and consumer groups, while not unduly burdening industry with paperwork. In reviewing data published in this report, it has come to our attention that a method used to reduce industry burden in fact does not provide the quality of data needed. Specifically, municipals and cooperatives that buy power from the Tennessee Valley Authority (TVA) have not been subject to sampling for the monthly Form EIA-826. These municipals and cooperatives, on an individual basis, provide data to the TVA, which, in turn, provides data to the EIA. However, the classification of commercial and industrial data by sector provided by the TVA do not correspond to the classification of data by sector specified on the Form EIA-861. The Form EIA-861 is used to collect annual data on an individual basis. This discrepancy is apparent when comparing the values obtained from the monthly Form EIA-826 with those of the annual Form EIA-861.

Beginning in 1991, the sampling methodology for the Form EIA-826 will be enhanced to include collection of data directly from these electric utilities on an individual basis. The electric utilities selected for this data collection adjustment will also be requested to provide data for 1990. The ratio of Form EIA-861 data to Form EIA-826 data for 1989 for each of the seven States that report to TVA for both the commercial and industrial sectors (that is, a total of 14 ratios) have been multiplied by the appropriate Form EIA-826 monthly values. This ratio procedure provides revised 1989 monthly data. For comparability, the same procedure was invoked to provide interim adjustments for 1990 data using 1989 ratios. However, upon receipt of revised data for 1990 from the electric utilities included in the 1991 sample enhancement, the raw data will be processed through the routine estimation procedure for Form EIA-826 data. Those revised estimates will replace the interim-adjusted data.

Revisions to data for average revenue per kilowatthour were accomplished by first revising sales data and revenue data as separate steps. Then the revised revenue data were divided by the revised sales data. It is believed that these revisions to the data for the commercial and industrial sectors will result in more accurate

data than those previously published, particularly for Tennessee and Alabama.

The inaccuracies in past published data addressed here may be categorized as "nonsampling error." The adjustment for this nonsampling error was accomplished through the ratio technique described earlier. Estimates of coefficients of variation (CVs, sometimes called "relative standard errors") are indicators of sampling error. When reading tables of CV estimates, it should always be remembered that they only indicate likely magnitude of error due to sampling, ignoring nonsampling error. In the case presented here, nonsampling error has been reduced, but knowing that nonsampling error is a particularly substantial problem, CVs for these results may represent considerably less than the complete error structure.

NERC Aggregation

Beginning in January 1986, NERC region totals for the Form EIA-759 are aggregates based on membership of the individual electric utilities in NERC. Prior to January 1986, NERC region totals were aggregates defined by the physical location of the power plants generating electricity.

Use of the Glossary

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

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

Obtaining Copies of Data

Upon EIA approval of the *EPM*, the data become available for public use on a cost-recovery basis.

Computer listings are obtained by submitting a written request to:

Energy Information Administration, EI-541
Forrestal Building
U.S. Department of Energy
Washington, DC 20585

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

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

Data for Table C1 include all quality of fuels. For a detailed breakdown on types of coal, petroleum and gas, see Tables 29, 33, and 37, respectively.

Table C1. Average Heat Content of Fossil-Fuel Receipts, September 1990

Census Division and State	Coal (Btu per ton)	Petroleum (Btu per barrel)	Gas (Btu per thousand cubic feet)
New England	26,457,578	6,388,958	1,045,131
Connecticut	26,336,688	6,345,215	1,034,298
Maine	-	-	-
Massachusetts	26,339,304	6,311,370	1,050,476
New Hampshire	26,849,204	6,687,438	-
Rhode Island	-	-	1,033,000
Vermont	-	-	-
Middle Atlantic	24,738,916	6,297,020	1,030,699
New Jersey	26,656,404	6,254,843	1,030,244
New York	25,606,094	6,307,401	1,030,801
Pennsylvania	24,436,973	6,091,941	1,027,372
East North Central	21,978,812	6,122,165	558,756
Illinois	21,713,922	6,232,431	1,014,624
Indiana	21,053,693	5,720,384	1,003,266
Michigan	22,123,987	6,135,510	* 249,546
Ohio	23,801,632	6,085,118	1,003,585
Wisconsin	19,698,754	5,835,522	1,009,046
West North Central	17,412,449	5,813,325	984,154
Iowa	17,994,476	5,823,313	1,008,331
Kansas	17,502,716	5,807,676	976,164
Minnesota	17,580,482	5,790,520	1,001,368
Missouri	20,645,086	5,834,614	1,013,618
Nebraska	17,292,634	-	947,363
North Dakota	13,171,754	5,792,261	-
South Dakota	12,208,000	-	-
South Atlantic	24,809,823	6,344,469	1,017,228
Delaware	26,630,834	6,388,792	1,043,156
District of Columbia	-	-	-
Florida	24,819,326	6,361,553	1,011,044
Georgia	23,605,570	5,796,000	1,023,473
Maryland	25,562,388	6,269,225	1,041,084
North Carolina	25,218,186	5,805,280	-
South Carolina	25,326,216	5,796,000	1,023,000
Virginia	25,634,060	5,865,123	1,042,092
West Virginia	24,971,450	5,840,864	1,000,000
East South Central	23,744,726	6,228,187	1,034,258
Alabama	24,405,246	5,788,289	1,022,181
Kentucky	22,953,562	5,851,109	1,022,810
Mississippi	25,310,236	6,348,043	1,034,662
Tennessee	24,016,196	5,815,010	-
West South Central	15,405,032	6,039,631	1,035,418
Arkansas	17,464,120	5,800,816	1,015,034
Louisiana	16,567,815	6,088,328	1,043,669
Oklahoma	17,798,324	6,522,306	1,046,556
Texas	14,566,685	6,042,355	1,032,329
Mountain	19,708,012	5,913,961	1,026,705
Arizona	20,769,818	5,876,430	1,028,127
Colorado	19,484,254	-	993,476
Idaho	-	-	-
Montana	17,203,864	5,922,000	1,237,665
Nevada	22,238,798	6,249,600	1,018,534
New Mexico	18,425,352	5,843,250	1,035,459
Utah	23,036,156	5,880,000	-
Wyoming	17,670,242	5,850,362	1,024,000
Pacific Contiguous	16,339,157	5,983,444	1,034,367
California	-	6,279,000	1,034,367
Oregon	16,626,000	-	-
Washington	13,200,000	5,880,000	-
Pacific Noncontiguous	-	6,225,923	-
Alaska	-	-	-
Hawaii	-	6,225,923	-
U.S. Average	20,961,425	6,315,276	1,025,761

* Consists mostly of blast furnace gas which has a heat content of 78,000 Btu. per thousand cubic feet.

Note: Data for 1990 are preliminary.

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

Table C2. Comparison of Preliminary Versus Revised Published Data at the National Level, 1989

Item	Preliminary	Revised	Percent Change
Sales (million kilowatthours)			
Residential	904,499	903,979	-0.06
Commercial	723,785	725,229	.20
Industrial	214,834	926,376	1.26
Other ¹	90,715	91,066	.39
Total	2,633,833	2,646,651	.49
Average Revenue per Kilowatthour (cents)			
Residential	7.64	7.64	.00
Commercial	7.21	7.23	.28
Industrial	4.72	4.69	-.64
Other ¹	6.19	6.18	-.16
Total	6.44	6.43	-.16

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

Notes: •The average revenue per kilowatthour is calculated by dividing revenue by sales. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Table C3. Unit-of-Measure Equivalents for Electricity

Unit	Equivalent		
Kilowatt (kW)	1,000	(One Thousand)	Watts
Megawatt (MW)	1,000,000	(One Million)	Watts
Gigawatt (GW)	1,000,000,000	(One Billion)	Watts
Terawatt (TW)	1,000,000,000,000	(One Trillion)	Watts
Gigawatt	1,000,000	(One Million)	Kilowatts
Thousand Gigawatts	1,000,000,000	(One Billion)	Kilowatts
Kilowatthours (kWh)	1,000	(One Thousand)	Watthours
Megawatthours (MWh)	1,000,000	(One Million)	Watthours
Gigawatthours (GWh)	1,000,000,000	(One Billion)	Watthours
Terawatthours (TWh)	1,000,000,000,000	(One Trillion)	Watthours
Gigawatthours	1,000,000	(One Million)	Kilowatthours
Thousand Gigawatthours	1,000,000,000	(One Billion)	Kilowatthours

Source: Energy Information Administration, Electric Power Division.

Glossary

Ampere: The unit of measurement of electrical current produced in a circuit by 1 volt acting through a resistance of 1 ohm. (See Current, Ohm, Volt.)

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.

Average Revenue per Kilowatthour: The average revenue per kilowatthour of electricity sold by sector (residential, commercial, industrial, or other) and geographic area (State, Census division, and national), is calculated by dividing the total monthly revenue by the corresponding total monthly sales for each sector and geographic area.

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.

Baseload: The minimum amount of electric power delivered or required over a given period of time at a steady state. (See Baseload Plant.)

Baseload Capacity: The generating equipment normally operated to serve loads on a round-the-clock basis. (See Baseload, Baseload Plant.)

Baseload Plant: A plant, usually housing high-efficiency steam-electric units, which is normally operated to take all or part of the minimum load of a system, and which consequently produces electricity at an essentially constant rate and runs continuously. These units are operated to maximize system mechanical and thermal efficiency and minimize system operating costs. (See Baseload.)

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.

Boiler: A device for generating steam for power, processing, or heating purposes; or hot water for heating purposes or hot water supply. Heat from an external combustion source is transmitted to a fluid contained within the tubes found in the boiler shell. This fluid is delivered to an end-use at a desired pressure, temperature and quality. (See Prime Mover.)

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.

Capability: The maximum load that a generating unit, generating station, or other electrical apparatus can carry under specified conditions for a given period of time without exceeding approved limits of temperature and stress.

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.

Circuit: A conductor or a system of conductors through which electric current flows. (See Current.)

Coal: A black or brownish-black solid combustible substance formed by the partial decomposition of vegetable matter without access to air. The rank of coal, which includes anthracite, bituminous coal, subbituminous coal, and lignite, is based on fixed carbon, volatile matter, and heating value. Coal rank indicates the progressive alteration from lignite to anthracite. Lignite contains approximately 9 to 17 million Btu per ton. The contents of subbituminous and bituminous coal range from 16 to 24 million Btu per ton and from 19 to 30 million Btu per ton, respectively. Anthracite contains approximately 22 to 28 million Btu per ton.

Coincident Demand: The sum of two or more demands that occur in the same time interval. (See Demand.)

Coincident Peak Load: The sum of two or more peak loads that occur in the same time interval. (See Peak Load.)

Combined Pumped-Storage Plant: A pumped-storage hydroelectric power plant that uses both pumped water and natural streamflow to produce electricity.

Commercial Operation: A generating unit is said to be in commercial operation when control of the loading of the unit is turned over to the system dispatcher.

Compressor: A pump or other type of machine using a turbine to compress a gas by reducing the volume.

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 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.

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.)

Current: A flow of electrons in an electrical conductor. The strength or rate of movement of the electricity is measured in amperes. (See Ampere, Ohm, Volt.)

Demand: The rate at which electric energy is delivered to or by a system, part of a system, or piece of equipment, at a given instant or averaged over any designated period of time.

Demand Interval: The time period during which flow of electricity is usually in 15-, 30-, or 60-minute increments. (See Demand.)

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 Deliveries: Energy generated by one electric utility system and delivered to another system through one or more transmission lines. (See Wheeling Charge, Wheeling Service.)

Energy Receipts: Energy generated by one electric utility system and received by another system through one or more transmission lines. (See Wheeling Charge, Wheeling Service.)

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.

Fahrenheit: A temperature scale on which the boiling point of water is at 212 degrees above zero on the scale and the freezing point is at 32 degrees above zero at standard atmospheric pressure.

Failure or Hazard: Any electric power supply equipment or facility failure or other event that, in the judgment of the reporting entity, constitutes a hazard to maintaining the continuity of the bulk electric power supply system such that a load reduction action may become necessary and a reportable outage may occur. The imposition of a special operating procedure, the extended purchase of emergency power, other bulk power system actions that may be caused by a natural disaster, a major equipment failure that would impact the bulk power supply, and an environmental and/or regulatory action requiring equipment outages are types of abnormal conditions that should be reported. (The DOE should be promptly notified as soon as practicable after the detection of any actual or suspected act(s) or event(s) directed at increasing the vulnerability of the bulk electric power system. A 24-hour maximum reporting delay is specified in the regulations; however, expeditious reporting, especially of sabotage or suspected sabotage activities is requested.)

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.

Fuel Emergencies: Utilities shall notify the DOE whenever a subject entity determines that a fuel supply emergency exists or is projected to occur. A fuel supply emergency exists when supplies of fuels or hydroelectric storage for generation are at a level or projected to be at a level which would threaten the continuity of the bulk electric power supply system. The following factors should be taken into account to determine that a fuel emergency exists: (1) Fuel stock or hydro project water storage levels are 50 percent or less of normal for that particular time of the year and a continued downward trend in fuel stock or hydro project water storage levels is projected; or (2) Unscheduled emergency generation is dispatched causing an abnormal use of a particular fuel type, such that the future supply or stocks of that fuel could reach a level which threatens the reliability or adequacy of electric service. (The DOE EOC shall be notified as soon as practicable, but no later than 3 days after the determination is made.)

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.)

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

Generator: A machine that converts mechanical energy into electrical energy.

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

Geothermal Plant: A plant in which the prime mover is a steam turbine. The turbine is driven either by steam produced from hot water or by natural steam that derives its energy from heat found in rocks or fluids at

various depths beneath the surface of the earth. The energy is extracted by drilling and/or pumping.

Gigawatt (GW): One billion watts. (See Watt.)

Gigawatthour (GWh): One billion watthours. (See Watthour.)

Gross Generation: The total amount of electric energy produced by a generating station or stations, measured at the generator terminals. (See Generation, Electric Plant.)

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.

Horsepower: A unit for measuring the rate of work (or power) equivalent to 33,000 foot-pounds per minute or 746 watts. (See Watt.)

Hydroelectric Plant: A plant in which the turbine generators are driven by falling water.

Instantaneous Peak Demand: The maximum demand at the instant of greatest load. (See Load (Electric), Maximum Demand.)

Integrated Demand: The summation of the continuously varying instantaneous demand averaged over a specified interval of time. The information is usually determined by examining a demand meter. (See Demand, Instantaneous Peak Demand, Load (Electric).)

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

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

Kilowatt (kW): One thousand watts. (See Watt.)

Kilowatthour (kWh): One thousand watthours. (See Watthour.)

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.

Maximum Demand: The greatest of all demands of the load that has occurred within a specified period of time.

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 Energy for Load: Net generation of main generating units that are system-owned or system-operated plus energy receipts minus energy deliveries.

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

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

Noncoincident Demand: Sum of two or more demands on individual systems that do not occur in the same demand interval. (See Demand, Demand Interval, System (Electric).)

Noncoincident Peak Load: The sum of two or more peak loads on individual systems that do not occur in the same time interval. Meaningful only when considering loads within a limited period of time, such as a day, week, month, a heating or cooling season, and usually for not more than 1 year.

North American Electric Reliability Council (NERC): A council formed in 1968 by the electric utility industry to promote the reliability and adequacy of bulk power supply in the electric utility systems of North America. NERC consists of nine regional reliability councils and encompasses essentially all the power systems of the contiguous United States, Canada, and some in Mexico. The data summarized by NERC regions in this publication are limited to that portion applicable to the contiguous United States, thereby excluding that portion of NERC data applicable to Alaska, Hawaii, Canada, and Mexico. The NERC Regions are:

ECAR - East Central Area Reliability Coordination Agreement

ERCOT - Electric Reliability Council of Texas

MAIN - Mid-America Interconnected Network

MAAC - Mid-Atlantic Area Council

MAPP - Mid-Continent Area Power Pool

NPCC - Northeast Power Coordinating Council

SERC - Southeastern Electric Reliability Council

SPP - Southwest Power Pool

WSCC - Western Systems Coordinating Council

Nuclear Fuel: Fissionable materials that have been enriched to such a composition that when placed in a nuclear reactor will support a self-sustaining fission chain reaction, producing heat in a controlled manner for process use.

Nuclear Power Plant: A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced by a heat transfer from the reactor vessel during the period when the nuclear fuel is undergoing fission.

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

Ohm: The unit of measurement of electrical resistance. The resistance of a circuit in which a potential difference of 1 volt produces a current of 1 ampere. (See Ampere, Current, Volt.)

Operable: A unit is operable when it is available to provide power to the grid. For a nuclear unit, this is when it receives its full power amendment to its operating license from the Nuclear Regulatory Commission.

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)

Other Generation: Electricity originating from these sources: biomass, fuel cells, geothermal heat, solar power, waste, wind, and wood.

Other Unavailable Capability: Net capability of main generating units that are unavailable for load for reasons other than full-forced outage or scheduled maintenance. Legal restrictions or other causes make these units unavailable. (See Capability, Outage.)

Peak Load: The maximum load during a specified period of time.

Peak Load Plant: A plant usually housing old, low-efficiency steam units, gas turbines, diesels, or pumped-storage hydroelectric equipment normally used during the peak-load periods.

Peaking Capacity: Capacity of generating equipment normally operated during the hours of highest daily, weekly, or seasonal loads. Some generating equipment may be operated at certain times as peaking capacity and at other times to serve loads on a 'round-the-clock' basis. (See Peak Load.)

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.

Plant Use: The electric energy used in the operation of a plant. Included in this definition is the energy required for pumping at pump-storage plants.

Plant-Use Electricity: The electric energy used in the operation of a plant. This energy total is subtracted from the gross energy production of the plant; for reporting purposes the plant energy production is then reported as a net figure. The energy required for pumping at pumped-storage plants is by definition subtracted, and the energy production for these plants is then reported as a net figure. (See Combined Pumped-Storage Plant, Pumped-Storage Hydroelectric Plant, Pure Pumped-Storage Hydroelectric Plant.)

Power: The rate at which energy is transferred, usually measured in watts. Also used for a measurement of capacity. (See Capacity, Energy, Watt.)

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.

Production (Electric): Act or process of producing electric energy from other forms of energy; also, the amount of electric energy expressed in watthours (Wh).

Pumped-Storage Hydroelectric Plant: A plant that usually generates electric energy during peak-load periods by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can be released from the reservoir through a conduit to turbine generators located in a power plant at a lower level.

Pure Pumped-Storage Hydroelectric Plant: A plant that produces power only from water that has previously been pumped to an upper reservoir.

Qualifying Facility: A cogeneration facility or small power production facility that is not more than 50 percent owned by electric utilities and meets certain standards as defined under Section 201 of the Public Utilities Regulatory Policies Act of 1978.

Receipts: Purchases of fuel.

Reserve Margin (Operating): The amount of unused available capability of an electric power system at peak load for a utility system. This figure is calculated by adding running and quick-start capability to the capability available but not needed and then subtracting peak load.

Restoration Time: The time when the major portion of the interrupted load has been restored and the emergency is considered to be ended. However, some of the loads interrupted may not have been restored due to local problems.

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

Running and Quick-Start Capability: The net capability of generating units that carry load or have quick start capability. In general, quick-start capability refers to

generating units that can be available for load within a 30-minute period. (See Capability, Load (Electric), Net Summer Capability.)

Sales: The amount of kilowatthours sold in a given period of time; usually grouped by classes of service (sector) such as residential, commercial, industrial, and other. Other is the sector that includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

Scheduled Maintenance: Time when generating units are unavailable for load due to inspection or maintenance in accordance with an advanced schedule.

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.

Standby Facility: A facility that supports a utility system and is generally running under no-load. It is available to replace or supplement a facility normally in service. (See Standby Service, Outage.)

Standby Service: Support service that is available as needed to supplement a customer, a utility system, or to another utility if a schedule or an agreement authorizes the transaction. The service is not regularly used. (See Standby Facility, Outage.)

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.

Substation: Facility equipment that switches, changes, or regulates electric voltage. (See Transformer, Transmission.)

Switching Station: Facility equipment used to tie together two or more electric circuits through switches. The switches are selectively arranged to permit a circuit to be disconnected, or to change the electric connection between the circuits. (See Electric Plant, Substation, Transformer, Transmission.)

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

Transformer: An electrical device for changing the voltage of alternating current. (See Substation, Switching Station.)

Transmission: The movement or transfer of electric energy over an interconnected group of lines and associated equipment between points of supply and points at which it is transformed for delivery to consumers, or is delivered to other electric systems. Transmission is considered to end when the energy is transformed for distribution to the consumer. (See Current, Energy, Power, Watt.)

Transmission System, Electric: An interconnected group of electric transmission lines and associated equipment for moving or transferring electric energy in bulk between points of supply and points at which it is transformed for delivery over the distribution system lines to consumers, or is delivered to other electric systems. (See Transmission.)

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.

Volt: The unit of measurement of voltage, electrical force, or pressure. The electrical force that, if steadily applied to a circuit with a resistance of 1 ohm, will produce a current of 1 ampere. (See Ampere, Current, Ohm.)

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.

Wheeling Charge: An amount charged by one electrical system to transmit the energy of, and for, another system or systems. (See Wheeling Service.)

Wheeling Service: The movement of electricity from one system to another over transmission facilities of intervening systems. Wheeling service contracts can be established between two or more systems.

Year to Date: The cumulative sum of each month's value starting with January and ending with the current month of the data.

Energy Information Administration Electronic Publication System (EPUB) User Instructions

Selected energy statistics are available electronically on the Energy Information Administration computer facility. Public access to these machine readable statistics is possible by dialing (202) 586-8658 for 300 baud or 1200 baud line speeds. Communications are asynchronous and require a standard ASCII-type terminal. There is no charge for this service. Although no password is required, you will be required to use your telephone number as a user identifier. This service is available 7 days per week (8 a.m. - 11 p.m., Monday thru Friday and 10 a.m. - 6 p.m., weekends and holidays). Weekly statistics are updated on Wednesday (Thursday in the event of a holiday) after 5 p.m. Monthly data for the current available month, with the exception of the data for the Electric Power Monthly, are also provided and updated by 5 p.m. on the 24th of the month. Monthly data for the Electric Power Monthly are available on or about the first working day of each month. Questions or comments should be directed to Deborah Bolden (202/254-5663).

Access Instructions.

1. Dial (202) 586-8658
2. Hit carriage return two or three times until the following EPUB banner appears:

Welcome to the
Energy Information Administration
Electronic Publication System

3. Select the statistics you wish from the menu:

WPSR - Weekly Petroleum Status Report
PSMR - Petroleum Supply Monthly (PSM)
STKS - PSM State Stocks Table
WCPR - Weekly Coal Production Report
EPMS - U.S. Electric Power Statistics
Please enter the desired report identification keyword (e.g. EPMS)

4. Enter your 10-digit phone number

Note: Users who experience problems when first attempting to log on should check their terminal switch settings for the following:

- 7 Data Bits
- 1 Stop Bit
- Even Parity

END

DATE FILMED

02 / 26 / 91