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Electric Power Monthly

August 1998

With Data for May 1998



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Cover Photo:

Lightning, the raw form of electricity, provides a backdrop for the harnessed form carried over transmission lines.

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Questions concerning the contents of this report should be directed to Kenneth McClevey, (202) 426-1144.

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- Oxygenate data
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- *Petroleum Supply Monthly*
Updated between the 23rd and 26th of the month.
- *Petroleum Marketing Monthly*
Updated on the 20th of the month.
- *Natural Gas Monthly*
Updated on the 20th of the month.
- *Weekly Coal Production*
Updated on Fridays by noon.
- *Quarterly Coal Report*
Updated 40 days after the end of the quarter.
- *Electric Power Monthly*
Updated during the second week of the month.
- *Monthly Energy Review*
Updated the second week of the month.
- *Short-Term Energy Outlook*
Updated 60 days after the end of the quarter.
- *Winter Fuels Report* (October through April)
Propane inventory data updated Wednesdays at 5 p.m. All other data updated Thursdays (Friday in event of a holiday) at 5 p.m.

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(as of August 1998)

	Internet			CD-ROM	EPUB	Diskette
	Portable Document Format (PDF)	Executable Data Files	Hypertext Markup Language (HTML)			
Surveys:						
Form EIA-412: Annual Report of Public Electric Utilities		X				X
Form EIA-759: Monthly Power Plant Report		X		X		X
Form EIA-767: Steam-Electric Operation and Design Report		X				X
Form EIA-826: Monthly Electric Utility Sales and Revenue Report with State Distributions		X		X		X
Form EIA-860: Annual Electric Generator Report		X		X		X
Form EIA-861: Annual Electric Utility Report		X		X		X
FERC Form 1: Annual Report of Major Electric Utilities, Licensees, and Others		X				X
FERC Form 423: Monthly Report of Cost and Quality of Fuels for Electric Plants		X				X
Publications:						
Electric Power Monthly	X		X	X	X	
Data tables for Form EIA-759, Form EIA-826, Form EIA-860 (new units only), and FERC Form 423	X		X			
Electric Power Annual Volume I	X		X	X	X	
Electric Power Annual Volume II	X		X	X	X	
Inventory of Power Plants in the United States	X			X		
Electric Sales and Revenue	X		X	X	X	
Financial Statistics of Major U.S. Investor Owned Electric Utilities	X			X	X	
Financial Statistics of Major U.S. Publicly Owned Electric Utilities	X			X	X	

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Preface

The Electric Power Monthly (EPM) presents monthly electricity statistics for a wide audience including Congress, Federal and State agencies, the electric utility industry, and the general public. 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. 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.

Background

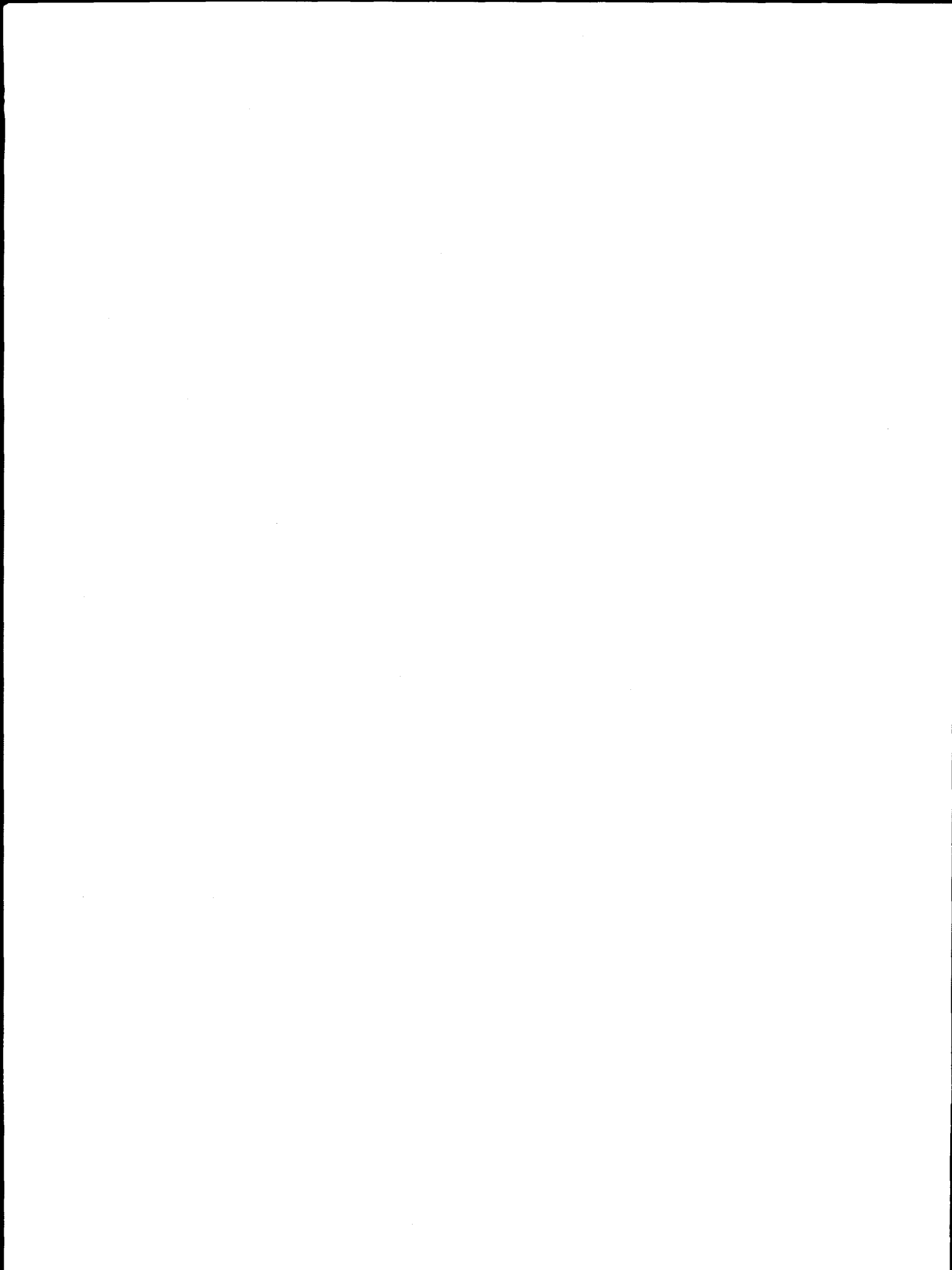
The Electric Power Division; Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration (EIA), Department of Energy prepares the EPM. This publication provides monthly statistics at the State, Census division, and U.S. levels for net generation, fossil fuel consumption and stocks, quantity and quality of fossil fuels, cost of fossil fuels, electricity retail sales, associated revenue, and average revenue per kilowatt-hour of electricity sold. In addition, data on net generation, fuel consumption, fuel stocks, quantity and

cost of fossil fuels are also displayed for the North American Electric Reliability Council (NERC) regions.

The EIA publishes statistics in the *EPM* on net generation by energy source; consumption, stocks, quantity, quality, and cost of fossil fuels; and capability of new generating units by company and plant.

Data Sources

The *EPM* contains information from seven data sources: 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"; Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions"; Form EIA-900, "Monthly Nonutility Sales for Resale Report"; Form EIA-861, "Annual Electric Utility Report"; Form EIA-860, "Annual Electric Generator Report;" and Form EIA-867, "Annual Nonutility Power Producer Report." Copies of these forms and their instructions may be obtained from the National Energy Information Center. A detailed description of these forms is in Appendix B, "Technical Notes."



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Monthly Update

Nonutility Sales for Resale-May 1998

Total estimated sales of electricity for resale by nonutility power producers in the United States were 19 billion kilowatthours for May 1998. This reflected a level of sales for resale that was 4 percent higher than the level in May 1997, as well as a 7-percent increase from April 1998.

Utility Generation and Retail Sales-May 1998

Generation. Total U.S. net generation of electricity was 265 billion kilowatthours, 9 percent above the amount reported in May 1998. The energy source with the largest quantitative increase in generation compared with May of 1997 was coal. Generation from coal-fired plants during the month was 7 percent or 9 billion kilowatthours above the level reported a year ago.

Sales. Total sales of electricity to ultimate consumers in the United States during May 1998 were 252 billion kilowatthours, 18 billion kilowatthours (7 percent) higher than the level reported at this time in 1997. Compared with May 1997, retail sales of electricity in all the major end-use sectors increased. The residential sector had the greatest increase at 10 percent, followed by the commercial and industrial sectors at 8 percent and 5 percent, respectively.

Utility Fuel Receipts, Costs, and Quality-April 1998

Coal. April 1998 receipts of coal at electric utilities totaled 75 million short tons, up 5 million short tons from receipts reported in April 1997. The tonnage received was a record for April. For the month, receipts exceeded consumption by 8 million short tons, resulting in stocks of bituminous coal increasing to the 108 million short ton level. Of particular importance is a 10-percent month-to-month increase in stocks of coal that occurred in the West South Central census division. This region of the Nation has been hit particularly hard by much lower-than-normal deliveries of coal via the Union Pacific Railroad. However, a closer look at the data show that receipts of coal (including lignite) to this census division in April 1998 were slightly below prior year levels. A 29-percent increase in gas consumption coupled with a 7-percent decrease

in coal consumption allowed electric utilities in the region to build coal stocks.

Affecting the use of coal during the month were warmer-than-normal temperatures in the New England, Middle Atlantic, East North Central, West North Central, and West South Central census divisions; and cooler-than-normal temperatures throughout the remainder of the Nation (based on heating degree-days shown in the July 1998 *Electric Power Monthly*). For the month, electric utilities produced an April record of 132 billion kilowatthours of coal-fired generation. Nuclear generation was up from the prior year level while hydroelectric generation decreased from the level reported in April 1997. Gas-fired generation rose slightly from April 1997 levels while petroleum-fired generation doubled from the minimum levels reported in the prior year.

Year-to-date receipts of coal totaled 300 million short tons, up 16 million short tons from the same period in 1997. The average year-to-date cost of coal delivered in 1998 was \$1.26 per million Btu as compared with \$1.30 per million Btu reported in 1997. (This decrease does not necessarily infer a reduction in the cost of coal. This is due to the fact that the average cost presented here may not necessarily represent the same mix of electric utilities receiving coal during these two periods of time. Also, changes in the quantity and origin of coal received during the two time periods affect the comparison of costs.)

Petroleum. Receipts of petroleum totaled 12 million barrels, up nearly 6 million barrels from April 1997. This increase in deliveries of petroleum was in part due to a substantial decrease in the cost of petroleum over the last several months. In November 1997, electric utilities were paying an average of \$3.09 per million Btu for heavy oil. In April 1998, the average cost had decreased to \$2.19 per million Btu making the fuel attractive for baseload generation. As a result, petroleum-fired generation during April 1998 was up 74 percent from the level of a year ago. Year-to-date receipts of petroleum at electric utilities were 43 million barrels in 1998 as compared to 33 million barrels received in 1997.

Gas. Receipts of gas in April 1998 totaled 186 billion cubic feet (Bcf), nearly unchanged from the 185 Bcf

reported in April 1997. The average cost of gas delivered to electric utilities was \$2.60 per million Btu as compared to \$2.31 in April 1997. Receipts (consumption) were down considerably in the New England and Middle Atlantic census divisions due in part to warmer-than-normal weather and to an increase in the use of petroleum. In the South Atlantic census division, gas consumption fell by 46 percent while

petroleum consumption rose by 95 percent. Also, nuclear-fired generation rose by 36 percent from April 1997 levels. The West South Central census division reported a substantial increase in the use of gas due in part to a drop in nuclear and coal-fired generation. Nationwide, year-to-date receipts of gas totaled 655 Bcf as compared to 639 Bcf received in 1997.

Electricity Supply and Demand Forecast for 1998¹

The EIA prepares a short-term forecast for electricity that is published in the *Short-Term Energy Outlook*. This page provides that forecast for the current year along with explanations behind the forecast.²

- Electricity demand in 1998 is projected to grow in each of the five demand sectors. The overall total for 1998 is forecast at 2.0 percent above 1997 levels, which is higher than the 1.3 percent growth rate experienced in 1997.
- Residential demand for electricity in 1998 is projected to increase by 2.1 percent over 1997. This is due to the expected second and third quarter increase in cooling demand over the same period in 1997, when temperatures were milder than normal.
- Commercial sector demand is forecast to rise by 2.4 percent in 1998 and can be attributed mainly to expanding employment and favorable economic conditions. Industrial demand is projected to grow by 1.4 percent in 1998 reflecting the continuing growth in industrial output.
- Electricity generation at U.S. utilities is expected to grow at the rate of 1.1 percent, just slightly below the growth rate experienced in 1997. Nonutility generation is projected to rise by 4.2 percent, mainly due to capacity additions.
- Assuming that weather will be normal in 1998, hydropower generation by electric utilities is expected to decrease by 10.5 percent from the abnormally high levels seen in 1996 and 1997. These levels resulted from increased availability of hydroelectric generation due to high runoff conditions in the Pacific Northwest, created by above-average rainfall in both years.
- Nuclear power generation is expected to increase by 3.4 percent as it recovers from the negative growth seen in 1997, as many of the downed nuclear plants go back on line (but not back up to peak 1996 levels).
- Net imports of electricity from Canada are forecast to be 3.6 percent below last year's level. This continues the downward trend which began after the record high levels of imports seen in 1994.

Electricity Supply and Demand (Billion Kilowatthours)

	1998				
	1st	2nd	3rd	4th	Year
Supply					
Net Utility Generation					
Coal	437.0	433.7	490.5	456.1	1817.4
Petroleum	20.9	24.0	26.4	19.0	90.3
Natural Gas	47.9	77.1	107.0	56.8	288.8
Nuclear	162.6	151.1	176.7	159.2	649.7
Hydroelectric	86.7	84.0	67.1	64.0	301.8
Geothermal and Other ^a	1.9	1.8	1.9	1.9	7.4
Subtotal	757.0	771.7	869.7	757.0	3155.3
Nonutility Generation ^b					
Coal	16.6	15.9	17.3	19.3	69.1
Petroleum	4.4	4.2	4.6	5.1	18.4
Natural Gas	53.7	51.4	55.9	62.6	223.7
Other Gaseous Fuels ^c	3.0	2.9	3.1	3.5	12.5
Hydroelectric	4.4	4.2	4.5	5.1	18.2
Geothermal and Other ^d	20.3	19.4	21.2	23.7	84.6
Subtotal	102.3	98.0	106.7	119.4	426.4
Total Generation	859.3	869.7	976.3	876.4	3581.7
Net Imports	5.8	9.3	12.2	8.0	35.3
Total Supply	865.1	879.0	988.5	884.4	3617.0
Losses and Unaccounted for ^e	54.6	77.6	68.5	67.9	268.5
Demand					
Electric Utility Sales					
Residential	275.8	248.8	315.5	254.1	1094.1
Commercial	217.4	228.1	262.5	227.5	935.4
Industrial	252.1	261.0	272.3	261.7	1047.2
Other	23.7	23.8	26.4	24.7	98.6
Subtotal	769.0	761.7	876.7	768.0	3175.4
Nonutility Gener. for Own Use ^b	41.5	39.8	43.3	48.5	173.1
Total Demand	810.5	801.5	920.0	816.5	3348.5
Memo:					
Nonutility Sales to					
Electric Utilities ^b	60.7	58.2	63.3	70.9	253.2

^aOther includes generation from wind, wood, waste, and solar sources.

^bElectricity from nonutility sources, including cogenerators and small power producers. Quarterly numbers for nonutility net sales, own use, and generation by fuel source supplied by the Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration (EIA), based on annual data reported to EIA on Form EIA-867, "Annual Nonutility Power Producer Report."

^cIncludes refinery still gas and other process or waste gases, and liquefied petroleum gases.

^dIncludes geothermal, solar, wind, wood, waste, nuclear, hydrogen, sulfur, batteries, chemicals and spent sulfite liquor.

^eBalancing item, mainly transmission and distribution losses.

Notes: •Minor discrepancies with other EIA published historical data are due to rounding. •Historical data are printed in bold, forecasts are in italic. •The forecasts were generated by simulation of the Short-Term Integrated Forecasting System. •Mid World Oil Price Case.

Sources: **Historical data:** Energy Information Administration, latest data available from EIA databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226 and *Monthly Energy Review*, DOE/EIA-0035; **Projections:** Energy Information Administration, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels.

¹Energy Information Administration, *Short-Term Energy Outlook: 3rd Quarter 1998*, DOE/EIA-0202 (98/3Q) (Washington, DC, July 1998).

²Further questions on this section may be directed to Rebecca McNerney at 202-426-1251 or via Internet at rmcnerne@eia.doe.gov.

Heating Degree-Days by Census Division, May 1998

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> [*]	1997	1998	Normal to 1998	1997 to 1998
New England	275	358	227	-17.5	-36.6
Middle Atlantic	200	298	146	-27.0	-51.0
East North Central	217	365	113	-47.9	-69.0
West North Central	189	291	104	-45.0	-64.3
South Atlantic	51	111	45	NM	NM
East South Central	63	134	33	NM	NM
West South Central	10	21	3	NM	NM
Mountain	231	185	211	-8.7	14.1
Pacific Contiguous	183	72	249	36.1	245.8
U.S. Average	150	199	121	-19.3	-39.2

^{*} "Normal" is based on calculations using temperature data from 1961 through 1990.

NM = Not meaningful (normal is less than 100 or ratio is incalculable).

Notes: • Heating Degree-days are relative measures of outdoor air temperature used as indices of heating energy requirements. • Heating degree-days are the number of degrees per day that the daily average temperature falls below 65 degrees Fahrenheit. The daily average temperature is the mean of the minimum and maximum temperatures in a 24-hour period.

Source: National Oceanic and Atmospheric Administration's National Weather Service Climate Analysis Center.

Cooling Degree-Days by Census Division, May 1998

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> [*]	1997	1998	Normal to 1998	1997 to 1998
New England	5	0	15	NM	NM
Middle Atlantic	24	1	47	NM	NM
East North Central	52	2	76	NM	NM
West North Central	72	13	107	NM	NM
South Atlantic	176	127	227	29.0	78.7
East South Central	142	57	204	43.7	257.9
West South Central	253	180	369	45.8	105.0
Mountain	85	123	50	NM	NM
Pacific Contiguous	31	95	7	NM	NM
U.S. Average	95	68	125	NM	NM

^{*} "Normal" is based on calculations using temperature data for 1961 through 1990.

NM = Not meaningful (normal is less than 100 or ratio is in calculable).

Notes: • Cooling degree-days are relative measures of outdoor air temperature used as indices of cooling energy requirements. • Cooling degree-days are the number of degrees per day that the daily average temperature falls above 65 degrees Fahrenheit. The daily average temperature is the mean of the minimum and maximum temperatures in a 24-hour period.

Source: National Oceanic and Atmospheric Administration's National Weather Service Climate Analysis Center.

Table 1. New Electric Generating Units by Operating Company, Plant, and State, and Retirements and Total Capability at U.S. Electric Utilities, 1998

Month/ Company	Plant	State	Generating Unit Number	Net Summer Capability ¹ (megawatts)	Energy Source	Unit Type Code
January^R						
Durant City of	Durant	IA	7	1.9	Petroleum	IC
February^R						
Mountain Lake City of	Mountain Lake	MN	6	1.8	Petroleum	IC
American Municipal Power-Ohio.....	Prospect Mun. Elec.	OH	1	1.8	Petroleum	IC
March^R						
None	—	—	—	—	—	—
April						
Osage City of	Osage	IA	8	3.6	Petroleum	IC
May						
Geneseo City of	Geneseo	IL	9	3.9	Petroleum	IC
Total Capability of Newly Added Units	—	—	—	12.9	—	—
Total Capability of Retired Units.....	—	—	—	2,225.0	—	—
U.S. Total Capability	—	—	—	708,933.2	—	—

¹ Net summer capability is estimated.

^R Revised.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are preliminary. Final data for the year are to be released in the *Inventory of Power Plants in the United States* (DOE/EIA-0095). *Unit Type Codes are: IC=Internal Combustion.

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

Table 2. U.S. Electric Power Summary Statistics

Items	May 1998	April 1998	May 1997	Year to Date		
				1998	1997	Difference (percent)
Nonutility						
Sales for Resale (Million kWh) ¹	18,671	17,396	18,033	90,082	90,445	-0.4
Coefficient of Variation (percent).....	1.7	1.8	1.0	—	—	—
Electric Utility						
Net Generation (Million kWh)²						
Coal.....	145,271	132,153	136,110	714,438	701,968	1.8
Petroleum ³	9,531	6,833	4,452	37,255	25,427	46.5
Gas.....	27,164	18,455	22,192	93,538	86,086	8.7
Nuclear Power.....	51,496	47,503	47,032	261,598	251,901	3.8
Hydroelectric (Pumped Storage) ⁴	-727	-437	-19	-1,099	-1,350	-18.6
Renewable						
Hydroelectric (Conventional).....	31,747	27,813	32,728	146,218	158,669	-7.8
Geothermal.....	288	320	471	1,977	2,117	-6.6
Biomass.....	182	167	177	834	810	3.0
Wind.....	*	*	1	*	2	-86.7
Photovoltaic.....	*	*	*	1	1	-43.3
All Energy Sources.....	264,952	232,807	243,143	1,254,761	1,225,631	2.4
Consumption²						
Coal (1,000 short tons).....	72,809	66,392	68,402	359,699	352,451	2.1
Petroleum (1,000 barrels) ⁵	15,410	10,734	7,091	59,447	40,968	45.1
Gas (1,000 Mcf).....	293,378	190,266	231,548	982,403	896,774	9.5
Stocks (end-of-month)²						
Coal (1,000 short tons).....	120,078	115,983	123,391	—	—	—
Petroleum (1,000 barrels) ⁶	47,605	51,087	47,898	—	—	—
Retail Sales (Million kWh)⁷						
Residential.....	77,650	74,268	70,493	427,671	419,639	1.9
Commercial.....	75,964	70,710	70,237	364,067	353,319	3.0
Industrial.....	90,268	85,153	86,049	427,646	417,475	2.4
Other ⁸	8,046	7,757	7,624	39,484	38,582	2.3
All Sectors.....	251,927	237,888	234,403	1,258,868	1,229,015	2.4
Revenue (Million Dollars)⁷						
Residential.....	6,583	6,096	6,121	34,550	34,464	.2
Commercial.....	5,673	5,145	5,357	26,633	26,352	1.1
Industrial.....	3,995	3,675	3,809	18,628	18,464	.9
Other ⁸	552	526	533	2,670	2,650	.8
All Sectors.....	16,802	15,442	15,819	82,482	81,930	.7
Average Revenue/kWh (Cents)⁷						
Residential.....	8.48	8.21	8.68	8.08	8.21	-1.6
Commercial.....	7.47	7.28	7.63	7.32	7.46	-1.9
Industrial.....	4.43	4.32	4.43	4.36	4.42	-1.4
Other ⁸	6.86	6.78	6.99	6.76	6.87	-1.6
All Sectors.....	6.67	6.49	6.75	6.55	6.67	-1.8
	April 1998 ⁹	March 1998 ⁹	April 1997 ⁹	Year to Date		
				1998 ⁹	1997 ⁹	Difference (percent)
Receipts						
Coal (1,000 short tons).....	74,733	75,647	69,815	299,733	283,343	5.8
Petroleum (1,000 barrels) ¹⁰	12,289	11,135	6,730	42,784	32,891	30.1
Gas (1,000 Mcf).....	186,127	181,096	184,908	654,911	638,632	2.5
Cost (cents/million Btu)¹¹						
Coal.....	126.4	126.5	129.6	126.1	129.2	-2.4
Petroleum ¹²	225.0	204.6	264.8	221.4	292.4	-24.3
Gas ¹³	259.8	254.4	230.5	260.8	286.1	-8.9

See next page for footnotes.

- 1 Values are estimates based on a cutoff sample; see Technical Notes for a discussion of the sample design for Form EIA-900.
 - 2 Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-759; 1997 estimates have been adjusted to reflect the Form EIA-759 census data and are final; see Technical Notes for adjustment methodology.
 - 3 Includes petroleum coke.
 - 4 Represents total pumped storage facility production minus energy used for pumping. Pumping energy used at pumped storage plants for May 1998 was 2,610 million kilowatthours.
 - 5 The May 1998 petroleum coke consumption was 134,698 short tons.
 - 6 The May 1998 petroleum coke stocks were 500,872 short tons.
 - 7 Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826; values for 1997 have been revised and are preliminary. Retail revenue and retail average revenue per kilowatthour do not include taxes such as sales and excise taxes that are assessed on the consumer and collected through the utility. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
 - 8 Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.
 - 9 Values are preliminary for 1998 and final for 1997.
 - 10 The April 1998 petroleum coke receipts were 300,964 short tons.
 - 11 Average cost of fuel delivered to electric generating plants; cost values are weighted values.
 - 12 April 1998 petroleum coke cost was 66.8 cents per million Btu.
 - 13 Includes small amounts of coke-oven, refinery, and blast-furnace gas.
- * = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.
- NM = This value may not be applicable or the percent difference calculation is not meaningful.
- Notes: * * means the absolute value of the number is less than 0.5. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. *kWh=kilowatthours, and Mcf=thousand cubic feet. *Monetary values are expressed in nominal terms.
- Sources: *Energy Information Administration, Form EIA-759, "Monthly Power Plant Report"; Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions"; Form EIA-900, "Nonutility Sales for Resale Report"; Form EIA-861, "Annual Electric Utility Report." *Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Industry Developments

Agreement Reached to Sell TMI Unit 1/ No Buyer Found for Oyster Creek/ Millstone 3 Restarted

GPU Incorporated (GPU), the holding company for Jersey Central Power and Light Company (JCP&L), Metropolitan Edison Company, and Pennsylvania Electric Company, announced that it has reached an agreement in principal with AmerGen Energy Company (AmerGen) for the sale of Unit 1 of the Three Mile Island (TMI) Nuclear Generating Facility. Under the agreement, AmerGen, a company jointly owned by PECO Energy Company (PECO) and British Energy, will purchase TMI Unit 1 for an initial price of \$100 million (\$23 million for the reactor and \$77 million for the plant's nuclear fuel). Additional payments may be made depending on energy market clearing prices through 2010. If the transaction goes through, it will be the first sale of a nuclear power plant in the United States. AmerGen will assume total responsibility for the decommissioning of TMI Unit 1. However, it will be funded by GPU at the time of financial closing. The deal also includes a power purchase agreement whereby GPU will purchase the output of TMI Unit 1 from January 1, 2000, through December 31, 2001, assuming the closing date for the deal is December 31, 1999.

GPU also announced that it was unable to locate a buyer for its Oyster Creek Nuclear Generating Station. The plant had been on the auction block since April 1997 and is part of GPU's strategy to exit the generation side of the electric business. According to GPU, any "final decision on the future of Oyster Creek will be made after the New Jersey Board of Public Utilities makes a decision on GPU's restructuring filing." GPU stated that two options that now exist concerning the future of Oyster Creek are to either retire the plant early (fall of 2000) or operate the plants until its license expires in 2009. GPU maintains that based on the cost characteristics of the plant, early retirement is "in the best economic interests of its customers." If approved, decommissioning would cost approximately \$400 million and would take several years to accomplish. The future of the plant ultimately rests with the New Jersey Board of Public Utilities (BPU).

The BPU is in the process of reviewing the GPU restructuring plan and may or may not agree with the economics of the plans that GPU has submitted. Additionally, the BPU may decide that the plant is necessary due to the energy needs of New Jersey.¹ Oyster Creek is owned by JCP&L, which conducts business as GPU Energy.

In other nuclear news, NorthEast Utilities Millstone Unit 3 has returned to service after being shut down since March 1996. The unit reached 100 percent power in mid-July after receiving restart approval from the Nuclear Regulatory Commission (NRC) in late June. Units 1 and 2 remain in an indefinite shutdown status that began in November 1995 and February 1996, respectively.

FERC to Investigate Electricity Price Surges Associated With June Heatwave

The Federal Energy Regulatory Commission (FERC) has decided to undertake a "fact finding" investigation into why the wholesale price of electricity soared from an average of \$30 per megawatt-hour to as high as \$7,000 per megawatt-hour during a heatwave in the Midwest in late June.² FERC, which regulates the wholesale electric markets, intends to center its investigation on whether there was any misuse of the transmission system during the period as well as determining what factors caused the price of electricity to rise as much as 23,000 percent from average cost levels.

The price surges in the cost of electricity took place in the wholesale markets where electric utilities, power marketers, and large industrial concerns buy and sell electricity at market based rates. These rates are basically determined by supply and demand for power. According to the *Wall Street Journal*, industrial customers that had "customized contracts" for electricity in place were most affected by the price swings. However, several electric utilities and power marketers who were short on power at the time of the heatwave also paid high prices for electricity in order to satisfy customer demand. Many suffered large financial losses due to the

¹ GPU Inc., extracted from the Internet at <http://www.gpu.com>, on July 15, 1998.

² K. Kranhold, "Power Agency to Investigate Market Turmoil," *The Wall Street Journal* (July 16, 1998).

surge in prices. Making matters worse was the fact that some power marketers defaulted on contracts to supply electricity. To make up for electricity not delivered, the would-be purchaser under the contract would then have to enter the spot wholesale market and bid for a new supply of power that, in some cases, was necessary to avoid a blackout. Recent filings to the FERC from Enron Corporation, PECO Energy Corporation, and Detroit Edison Company also lay blame on the fact that some utilities stopped power deliveries from rival companies from flowing through their transmission system due to the risk of an overload on their own systems.³ This reduced the amount of electricity that could be sent into regions with power shortages. The overall result was an out-of-balance system that could not supply all the required megawatthours to purchasers who were desperate for electricity.

Proponents and opponents of deregulation were quick to voice their opinion in the aftermath of the market turmoil. The National Rural Electric Cooperative Association called for a slowdown in deregulation due to the volatility in the price of electricity during the heatwave.⁴ Enron Corporation and PECO Energy Company were quick to defend deregulation that has taken place in the wholesale electricity markets. Several companies that were caught short on power and suffered losses due to the surge in electricity prices requested the FERC to review the situation in the wholesale electricity markets of the Midwest. Illinois Power Company asked the FERC to set a \$200 limit on the spot wholesale price of electricity when power is needed to avoid blackouts.

Mid-July brought another round of record temperatures and high electricity demand. High temperatures sizzled nearly the entire eastern two-thirds of the Nation. However, while the price of electricity for next-day and next-hour delivery reached as high as \$2,000 per megawatthour in some parts of the East, it was considerably lower than peak prices of late June.⁵ According to some officials, the reason electricity prices did not surge as much during the second round of high electricity demand is because smaller entities who could not deliver on their power contracts in June were not in the market in July. In addition, fewer electric plant shutdowns during this period helped the market. It was also thought that some utilities may have increased their curtailment of electricity under interruptible contracts

with large industrial customers in order to cut demand for power.

Duke Energy Completes Purchase of PG&E Plants/Centralia Put on Auction Block

Duke Energy Corporation has completed the purchase of three electric plants from Pacific Gas & Electric Company (PG&E) for \$501 million. The plants, which have a total generating capacity of 2,645 megawatts, include Moss Landing, Morro Bay, and Oakland. A majority of PG&E staff located at the plants will be retained at the plants under a two-year operating and maintenance agreement. Duke Energy Trading and Marketing will manage fuel procurement at the plants and help in the marketing of electricity.⁶

In other news concerning the sale of electric plants, the eight owners of the Centralia coal-fired generating station located in Centralia, Washington, have decided to auction the 1,340-megawatt plant and adjacent mine. The owners cited electric industry restructuring and emerging competition as the primary reasons for the sale. Currently, the plant is involved in an environmental controversy whereby the owners are being required by the Southwest Air Pollution Control Authority (SWAPCA) to install a \$200-million scrubber system in order to reduce plant emissions by 90 percent. However, an agreement reached between the owners and the SWAPCA on emission reductions is being challenged in court by a Seattle-area individual. According to PacifiCorp, the changes sought by the appeal "would render the plant uneconomic to operate or would severely restrict its use." Design and installation of the scrubber system is on hold until the appeal is settled.

According to PacifiCorp, Centralia is capable of supplying a city the size of Seattle with all of its electricity needs.⁷ Environmentalists consider the plant a primary source of air pollution in the region, especially in Mt. Rainier National Park. Centralia is owned by PacifiCorp (47.5 percent interest), Washington Water Power Company (15 percent), PUD No.1 of Snohomish County (8 percent), Puget Sound Power & Light Company (7 percent), City of Seattle (8 percent), City of Tacoma (8 percent), PUD No.1 of Greys Harbor County (4 percent), and Portland General Electric Company (2.5 percent).

³ K. Kranhold, and John Emshwiller, "New Rules Blames for Power Shortages," *The Wall Street Journal* (July 24, 1998).

⁴ K. Kranhold, "June Surge in Electricity-Trading Prices Is Raising Questions About Deregulation," *The Wall Street Journal* (July 14, 1998).

⁵ T. Ewing, "Energy Contracts Surge With the Thermometer," *The Wall Street Journal* (July 21, 1998).

⁶ Duke Energy Corporation, extracted from the Internet at <http://www.duke-energy.com>, on July 24, 1998.

⁷ PacifiCorp, extracted from the Internet at <http://www.upl.com>, on July 24, 1998.

NYSE&G Coal-Fired Plants Sold to AES Corporation and Edison International

New York State Electric & Gas Corporation (NYSE&G), a subsidiary of Energy East Corporation, has agreed to sell its six coal-fired plants located in New York State to AES Corporation (AES) for \$950 million. Facilities included in the sale are the Kintigh, Milliken, Greenridge, Goudey, Hickling, and Jennison generating stations. Total nameplate generating capacity of the six plants is 1,400 megawatts.

NYSE&G and GPU Incorporated, co-owners of the Homer City power station, have agreed to sell the 1,884-megawatt generating station located in Pennsylvania to Edison International for \$1.8 billion. The Homer City station, which has direct connections to both the New York Power Pool (NYPP) and the Pennsylvania/New Jersey/Maryland (PJM) Power Pool, is said by NYSE&G to be one of the lowest-cost coal-fired generating stations in the Middle Atlantic region. It is one of the first coal-fired plants dispatched based on "merit order stack" in both PJM and NYPP. The plant also has a coal-preparation facility and blending capability for maintaining environmental compliance and minimizing fuel costs.

According to NYSE&G officials, the \$1.85 billion in proceeds from the sale of the plants (\$950 million for the six coal-fired plants, plus \$900 million for one-half interest in the Homer City generating station) amounts to 1.6 times book value, enough to cover all the stranded costs for its generation assets. Proceeds from the sale will be used to repurchase stock and to expand the NYSE&G energy transmission and distribution network in the Northeast. Both Energy East Corporation and GPU Incorporated had previously stated their intention to exit the electricity generation business. Both transactions are expected to be completed during the first quarter of 1999.⁸

LG&E Energy to Exit Merchant Power Trading Business

LG&E Energy Corporation (LG&E) announced that it intends to exit the merchant power trading business due in part to price volatility in the market. However, the company will continue to do some power trading that will allow it to fully use its physical assets. LG&E suffered large losses during the June heatwave in the Midwest when prices for power spiked to as much as \$7,000 per megawatt-hour. According to LG&E, the company lacks "the size and scale necessary to manage the existing portfolio of contracts and simultaneously grow our energy marketing business." LG&E took a \$225 million write-off against its second fiscal quarter results for discontinued operations, primarily several fixed-price energy marketing contracts which it entered into in 1996 and early 1997. According to LG&E, a large part of the write-off was associated with a contract that was signed with Oglethorpe Power Corporation (Oglethorpe) in 1996. Actual demand for power from Oglethorpe exceeded load projections that were previously provided to LG&E. During the June heatwave, LG&E-owned plants were not able to provide the extra power required by Oglethorpe. The result was that LG&E had to enter the market as a buyer of electricity at a time when prices had surged to extraordinary levels.

LG&E stated that it had "expected pricing trends in electricity to follow those of similar commodities that have been deregulated." However, it noted that the "market is evolving in a very different way, and the predictability of this business has never been more uncertain." The company now intends to focus on the marketing of power from generating assets that it controls or owns, including Louisville Gas & Electric Company, Kentucky Utilities Company, and the power plants that it has leased from Big Rivers Electric Corporation.⁹

⁸ New York State Electric & Gas, extracted from the Internet at <http://www.nyseg.com>, on August 7, 1998.

⁹ LG&E Energy Corporation, extracted from the Internet at <http://www.lgeenergy.com>, on August 7, 1998.

Electric Utility Plants That Have Been Sold and Reclassified as Nonutility Plants

Utility	Plant	State	Nameplate Capacity (megawatts)	Date ^a	Buyer
Commonwealth Edison Co. IN, Inc.	State Line	IN	614	January 1998	Southern Energy
Commonwealth Edison Co., Inc.	Kincaid	IL	1,319	January 1998	Dominion Energy
Southern California Edison Co.	Long Beach	CA	587	March 1998	NRG/Destec Energy
Southern California Edison Co.	Cool Water	CA	727	April 1998	Houston Industries
Southern California Edison Co.	El Segundo	CA	997	April 1998	NRG/Destec Energy
Southern California Edison Co.	Etiwanda	CA	1,049	April 1998	Houston Industries
Southern California Edison Co.	Highgrove	CA	169	April 1998	Thermo Electron
Southern California Edison Co.	Mandalay	CA	573	April 1998	Houston Industries
Southern California Edison Co.	San Bernardino	CA	131	April 1998	Thermo Electron
Boston Edison	Edgar	MA	18	May 1998	Sithe Energy
Boston Edison	Framingham	MA	43	May 1998	Sithe Energy
Boston Edison	L Street	MA	19	May 1998	Sithe Energy
Boston Edison	Mystic	MA	1,100	May 1998	Sithe Energy
Boston Edison	New Boston	MA	718	May 1998	Sithe Energy
Boston Edison	West Medway	MA	135	May 1998	Sithe Energy
Southern California Edison	Alamitos	CA	2,120	May 1998	AES Corporation
Southern California Edison	Huntington Beach	CA	1,009	May 1998	AES Corporation
Southern California Edison	Redondo Beach	CA	1,573	May 1998	AES Corporation

^aStart date for facility to begin reporting as a nonutility generator.

Source: Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, U.S. Department of Energy.

After an electric utility plant is sold and reclassified as nonutility plant, data for that plant is no longer collected on EIA Form-759, "Monthly Power Plant Report," and Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." Data collected prior to the sale will continue to be shown in this report. Consequently, a comparison between 1998 and historical State, Census Division, and U.S. level totals will be affected by the reclassification of plants.

U.S. Electric Utility Net Generation

Table 3. U.S. Electric Power Industry Net Generation, 1990 Through May 1998
(Million Kilowatthours)

Period	Electric Utilities								Nonutility Power Producers	Total Electric Power Industry
	Coal	Petroleum ¹	Gas ²	Nuclear	Hydro-electric	Geothermal	Other ³	Total		
1990.....	1,559,606	117,017	264,089	576,862	279,926	8,581	2,070	2,808,151	212,779	3,020,930
1991.....	1,551,167	111,463	264,172	612,565	275,519	8,087	2,050	2,825,023	243,006	3,068,029
1992.....	1,575,895	88,916	263,872	618,776	239,559	8,104	2,096	2,797,219	286,148	3,083,367
1993.....	1,639,151	99,539	258,915	610,291	265,063	7,571	1,994	2,882,525	314,399	3,196,924
1994.....	1,635,493	91,039	291,115	640,440	243,693	6,941	1,992	2,910,712	343,087	3,253,799
1995.....	1,652,914	60,844	307,306	673,402	293,653	4,745	1,664	2,994,529	363,308	3,357,837
1996										
January.....	152,401	7,872	16,055	62,942	28,831	354	149	268,604	NA	NA
February.....	137,501	8,244	13,327	55,928	29,850	361	137	245,347	NA	NA
March.....	138,391	6,101	15,214	55,474	32,221	339	160	247,900	NA	NA
April.....	125,206	3,201	16,612	50,325	30,420	385	124	226,273	NA	NA
May.....	134,445	3,992	25,424	55,637	31,645	258	141	251,543	NA	NA
June.....	146,069	5,582	28,730	57,498	30,191	387	170	268,626	NA	NA
July.....	158,517	7,583	34,129	60,953	27,352	555	190	289,279	NA	NA
August.....	161,782	6,330	35,233	61,477	24,835	574	173	290,404	NA	NA
September.....	142,326	4,855	27,254	54,593	20,706	496	167	250,397	NA	NA
October.....	142,625	3,359	21,812	50,612	21,165	531	204	240,308	NA	NA
November.....	145,208	4,295	16,525	52,132	21,956	538	190	240,844	NA	NA
December.....	152,983	5,933	12,414	57,159	28,798	456	174	257,917	NA	NA
Total.....	1,737,453	67,346	262,730	674,729	327,970	5,234	1,980	3,077,442	369,656	3,447,098
1997										
January.....	161,286	8,225	13,359	58,914	31,049	414	162	273,410	NA	NA
February.....	134,998	4,479	13,475	50,658	29,840	310	148	233,907	NA	NA
March.....	137,830	4,345	18,191	50,414	33,286	438	155	244,659	NA	NA
April.....	131,744	3,926	18,870	44,883	30,436	484	170	230,512	NA	NA
May.....	136,110	4,452	22,192	47,032	32,709	471	178	243,143	NA	NA
June.....	146,009	6,728	28,456	52,095	32,762	385	154	266,588	NA	NA
July.....	167,087	9,072	40,403	57,352	30,034	512	169	304,628	NA	NA
August.....	162,384	7,711	37,237	61,084	25,462	505	174	294,557	NA	NA
September.....	151,427	7,688	32,281	52,586	22,031	482	153	266,649	NA	NA
October.....	152,004	7,094	23,276	46,981	23,240	477	194	253,267	NA	NA
November.....	146,037	6,660	17,029	51,189	22,166	475	170	243,726	NA	NA
December.....	160,890	7,374	18,855	55,457	24,219	516	166	267,477	NA	NA
Total.....	1,787,806	77,753	283,625	628,644	337,233	5,469	1,993	3,122,522	NA	3,122,522
1998										
January.....	156,540	6,468	16,306	57,889	27,518	491	172	265,384	NA	NA
February.....	136,324	5,733	12,861	50,999	28,814	390	145	235,266	NA	NA
March.....	144,152	8,690	18,751	53,711	30,391	487	169	256,351	NA	NA
April.....	132,153	6,833	18,455	47,503	27,376	320	168	232,807	NA	NA
May.....	145,271	9,531	27,164	51,496	31,020	288	182	264,952	NA	NA
Total.....	714,438	37,255	93,538	261,598	145,119	1,977	835	1,254,761	NA	NA
Year to Date										
1998.....	714,438	37,255	93,538	261,598	145,119	1,977	835	1,254,761	NA	NA
1997.....	701,968	25,427	86,086	251,901	157,319	2,117	813	1,225,631	NA	NA
1996.....	687,943	29,410	86,633	280,305	152,968	1,696	712	1,239,667	NA	NA

¹ Includes fuel oils nos. 1, 2, 4, 5, and 6, crude oil, kerosene, and petroleum coke

² Includes supplemental gaseous fuel.

³ Includes biomass, wind, photovoltaic, and solar thermal energy sources.

NA This estimated value is not available due to insufficient data or inadequate anticipated data/model performance.

NA = Not available.

Notes: •Values for electric utilities for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for electric utilities for 1997 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for electric utilities for 1996 and prior years are final. •Values for nonutilities (Form EIA-867) for 1996 and prior years are final, and for 1997 are preliminary. •Totals may not equal sum of components because of independent rounding.

Table 4. U.S. Electric Utility Net Generation by Nonrenewable Energy Source, 1990 Through May 1998
(Million Kilowatthours)

Period	All Nonrenewable Energy Sources	Coal ¹	Petroleum ²	Gas	Nuclear	Hydroelectric ³ (Pumped Storage)
1990.....	2,514,066	1,559,606	117,017	264,089	576,862	-3,508
1991.....	2,534,825	1,551,167	111,463	264,172	612,565	-4,541
1992.....	2,543,283	1,575,895	88,916	263,872	618,776	-4,177
1993.....	2,603,861	1,639,151	99,539	258,915	610,291	-4,036
1994.....	2,654,708	1,635,493	91,039	291,115	640,440	-3,378
1995.....	2,691,742	1,652,914	60,844	307,306	673,402	-2,725
1996						
January.....	238,805	152,401	7,872	16,055	62,942	-465
February.....	214,528	137,501	8,244	13,327	55,928	-471
March.....	215,091	138,391	6,101	15,214	55,474	-89
April.....	195,399	125,206	3,201	16,612	50,325	55
May.....	219,426	134,445	3,992	25,424	55,637	-72
June.....	237,625	146,069	5,582	28,730	57,498	-253
July.....	260,999	158,517	7,583	34,129	60,953	-183
August.....	264,609	161,782	6,330	35,233	61,477	-213
September.....	228,622	142,326	4,855	27,254	54,593	-406
October.....	218,027	142,625	3,359	21,812	50,612	-382
November.....	217,652	145,208	4,295	16,525	52,132	-507
December.....	228,387	152,983	5,933	12,414	57,159	-101
Total.....	2,739,170	1,737,453	67,346	262,730	674,729	-3,088
1997						
January.....	241,278	161,286	8,225	13,359	58,914	-507
February.....	203,277	134,998	4,479	13,475	50,658	-333
March.....	210,563	137,830	4,345	18,191	50,414	-217
April.....	199,149	131,744	3,926	18,870	44,883	-274
May.....	209,766	136,110	4,452	22,192	47,032	-19
June.....	233,061	146,009	6,728	28,456	52,095	-227
July.....	273,640	167,087	9,072	40,403	57,352	-274
August.....	268,117	162,384	7,711	37,237	61,084	-298
September.....	243,611	151,427	7,688	32,281	52,586	-371
October.....	228,915	152,004	7,094	23,276	46,981	-441
November.....	220,380	146,037	6,660	17,029	51,189	-535
December.....	242,031	160,890	7,374	18,855	55,457	-544
Total.....	2,773,787	1,787,806	77,753	283,625	628,644	-4,041
1998						
January.....	237,159	156,540	6,468	16,306	57,889	-44
February.....	206,041	136,324	5,733	12,861	50,999	125
March.....	225,289	144,152	8,690	18,751	53,711	-15
April.....	204,507	132,153	6,833	18,455	47,503	-437
May.....	232,735	145,271	9,531	27,164	51,496	-727
Total.....	1,105,730	714,438	37,255	93,538	261,598	-1,099
Year to Date						
1998.....	1,105,730	714,438	37,255	93,538	261,598	-1,099
1997.....	1,064,032	701,968	25,427	86,086	251,901	-1,350
1996.....	1,083,248	687,943	29,410	86,633	280,305	-1,043

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 Pumping energy used for pumped storage plants for May 1998 was 2,610 million kilowatthours.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1996 and prior years are final. •Totals may not equal sum of components because of independent rounding.

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

Table 5. U.S. Electric Utility Net Generation by Renewable Energy Source, 1990 Through May 1998
(Thousand Kilowatthours)

Period	All Renewable Energy Sources	Hydroelectric (Conventional)	Geothermal	Biomass	Wind	Photovoltaic
1990.....	294,085,003	283,433,659	8,581,228	2,067,270	398	2,448
1991.....	290,197,798	280,060,621	8,087,055	2,046,499	285	3,338
1992.....	253,936,260	243,736,029	8,103,809	2,092,945	308	3,169
1993.....	278,663,780	269,098,329	7,570,999	1,990,407	243	3,802
1994.....	256,003,613	247,070,938	6,940,637	1,988,257	309	3,472
1995.....	302,786,828	296,377,840	4,744,804	1,649,178	11,097	3,909
1996						
January.....	29,798,920	29,296,196	353,697	148,487	461	79
February.....	30,818,942	30,321,178	360,814	136,484	350	116
March.....	32,808,710	32,309,721	338,586	159,456	587	360
April.....	30,874,507	30,365,595	384,760	122,935	765	452
May.....	32,117,347	31,717,768	258,419	139,413	1,226	521
June.....	31,001,406	30,443,956	387,203	168,516	1,176	555
July.....	28,279,639	27,534,862	555,071	187,598	1,675	433
August.....	25,795,266	25,047,732	574,215	171,826	1,299	194
September.....	21,774,554	21,111,493	496,419	165,481	1,100	61
October.....	22,281,320	21,546,799	530,516	203,041	792	172
November.....	23,192,374	22,463,581	538,375	189,988	309	121
December.....	29,529,340	28,899,168	455,852	173,832	383	105
Total.....	338,272,325	331,058,049	5,233,927	1,967,057	10,123	3,169
1997						
January.....	32,132,786	31,555,924	414,430	162,133	219	80
February.....	30,630,175	30,172,535	309,699	147,510	198	233
March.....	34,096,006	33,503,081	437,818	154,531	270	306
April.....	31,363,287	30,709,450	484,260	168,566	589	422
May.....	33,376,829	32,728,115	470,792	176,925	637	360
June.....	33,526,969	32,988,644	384,659	152,194	940	532
July.....	30,988,417	30,308,053	511,676	167,269	926	493
August.....	26,439,540	25,759,878	505,424	172,864	964	410
September.....	23,037,823	22,402,182	482,357	152,581	473	230
October.....	24,351,853	23,681,131	476,849	193,152	499	222
November.....	23,345,846	22,700,846	475,091	169,665	132	112
December.....	25,445,551	24,763,608	516,055	165,677	130	81
Total.....	348,735,082	341,273,447	5,469,110	1,983,067	5,977	3,481
1998						
January.....	28,225,153	27,561,995	491,305	171,792	17	44
February.....	29,224,672	28,689,850	390,181	144,599	8	34
March.....	31,062,682	30,406,764	486,607	169,055	6	250
April.....	28,300,767	27,812,740	320,413	167,252	84	278
May.....	32,217,098	31,746,682	288,494	181,593	140	189
Total.....	149,030,372	146,218,031	1,977,000	834,291	255	795
Year to Date						
1998.....	149,030,372	146,218,031	1,977,000	834,291	255	795
1997.....	161,599,083	158,669,105	2,116,999	809,665	1,913	1,401
1996.....	156,418,426	154,010,458	1,696,276	706,775	3,389	1,528

Notes: *Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1996 and prior years are final. *Totals may not equal sum of components because of independent rounding.

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

Table 6. Electric Utility Net Generation by NERC Region and Hawaii
(Million Kilowatthours)

NERC Region and Hawaii	May 1998	April 1998	May 1997	Year to Date		
				1998	1997	Difference (percent)
ECAR.....	42,679	39,791	40,581	215,123	212,794	1.1
ERCOT.....	21,739	15,711	17,840	85,347	81,937	4.2
MAAC.....	17,386	15,801	15,188	85,556	83,327	2.7
MAIN.....	16,470	14,570	15,897	80,512	86,056	-6.4
MAPP (U.S.).....	12,730	11,793	11,117	65,191	63,358	2.9
NPCC (U.S.).....	14,660	14,018	13,623	76,310	71,756	6.3
SERC.....	53,863	46,199	46,860	250,806	235,051	6.7
FRCC.....	14,045	11,319	12,057	57,288	52,619	NM
SPP.....	26,231	20,882	21,949	114,769	110,885	3.5
WSCC (U.S.).....	44,284	41,822	47,165	219,070	223,147	-1.8
Contiguous U.S.	264,087	231,906	242,278	1,249,972	1,220,930	2.4
ASCC.....	355	383	379	2,274	2,182	4.2
Hawaii.....	510	519	485	2,515	2,519	-2
U.S. Total.....	264,952	232,807	243,143	1,254,761	1,225,631	2.4

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •See Glossary for explanation of acronyms.

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

Table 7. Electric Utility Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	May 1998	April 1998	May 1997	Year to Date		
				1998	1997	Difference (percent)
New England	5,559	4,980	5,370	28,870	29,531	-2.2
Connecticut.....	951	826	898	5,111	5,178	-1.3
Maine.....	389	279	272	1,299	1,278	1.6
Massachusetts.....	2,448	2,291	2,580	13,447	13,042	3.1
New Hampshire.....	1,414	1,239	880	6,196	6,362	-2.6
Rhode Island.....	259	212	322	1,279	1,385	-7.7
Vermont.....	97	133	419	1,538	2,284	-32.6
Middle Atlantic	24,902	23,424	23,497	125,573	122,867	2.2
New Jersey.....	3,548	2,369	1,541	12,190	9,280	31.4
New York.....	8,568	8,509	8,135	44,666	42,242	5.7
Pennsylvania.....	12,787	12,546	13,821	68,717	71,345	-3.7
East North Central	42,051	38,057	38,718	207,314	206,625	.3
Illinois.....	9,625	8,196	9,131	45,806	51,176	-10.5
Indiana.....	8,984	8,280	8,151	45,068	43,568	3.4
Michigan.....	6,897	6,396	7,763	34,499	35,432	-2.6
Ohio.....	12,313	11,160	10,303	61,239	57,802	5.9
Wisconsin.....	4,232	4,024	3,369	20,702	18,647	11.0
West North Central	20,964	18,823	18,349	104,034	100,627	3.4
Iowa.....	2,760	2,764	2,014	14,744	13,356	10.4
Kansas.....	3,477	3,062	2,542	16,139	14,910	8.2
Minnesota.....	3,386	2,909	2,672	16,539	16,178	2.2
Missouri.....	5,849	5,267	5,764	28,974	28,920	.2
Nebraska.....	2,442	2,176	1,954	11,672	11,342	2.9
North Dakota.....	2,239	2,029	2,273	12,242	11,452	6.9
South Dakota.....	811	616	1,130	3,724	4,468	-16.7
South Atlantic	57,608	50,205	48,892	264,020	244,682	7.9
Delaware.....	609	471	478	2,255	3,007	-25.0
District of Columbia.....	30	-1	-1	33	-3	NM
Florida.....	14,852	11,963	12,463	60,358	54,921	9.9
Georgia.....	9,612	8,109	8,257	41,039	38,156	7.6
Maryland.....	3,565	3,448	2,987	19,071	17,331	10.0
North Carolina.....	9,431	8,429	7,793	45,326	42,050	7.8
South Carolina.....	7,301	6,352	6,033	34,279	29,584	15.9
Virginia.....	5,064	4,565	4,187	25,344	23,166	9.4
West Virginia.....	7,144	6,870	6,695	36,316	36,471	-.4
East South Central	28,078	23,743	25,989	133,455	130,055	2.6
Alabama.....	9,502	8,204	9,210	46,209	43,804	5.5
Kentucky.....	6,951	6,344	7,233	35,312	37,124	-4.9
Mississippi.....	3,008	1,924	2,176	11,741	10,743	9.3
Tennessee.....	8,617	7,271	7,370	40,193	38,385	4.7
West South Central	39,985	30,005	33,603	163,371	158,655	3.0
Arkansas.....	3,091	2,505	3,341	14,736	17,625	-16.4
Louisiana.....	5,954	4,551	4,650	23,622	22,255	6.1
Oklahoma.....	4,338	3,477	3,671	19,366	17,754	9.1
Texas.....	26,602	19,472	21,940	105,647	101,021	4.6
Mountain	21,964	22,004	22,706	114,001	110,164	3.5
Arizona.....	6,364	6,007	6,919	31,341	30,078	4.2
Colorado.....	2,705	2,598	2,790	13,838	13,362	3.6
Idaho.....	1,316	1,237	1,095	5,343	5,966	-10.4
Montana.....	2,128	2,105	1,978	10,615	10,505	1.0
Nevada.....	1,337	1,564	1,967	8,833	8,119	8.8
New Mexico.....	2,364	2,445	2,468	11,845	12,701	-6.7
Utah.....	2,673	2,460	2,731	13,859	13,260	4.5
Wyoming.....	3,078	3,588	2,756	18,327	16,173	13.3
Pacific Contiguous	22,976	20,666	25,154	109,340	117,738	-7.1
California.....	9,785	9,855	9,628	45,830	43,320	5.8
Oregon.....	4,202	3,794	4,371	21,092	22,539	-6.4
Washington.....	8,989	7,018	11,155	42,418	51,878	-18.2
Pacific Noncontiguous	865	901	864	4,782	4,687	2.0
Alaska.....	355	383	379	2,270	2,180	4.1
Hawaii.....	510	519	485	2,511	2,507	.2
U.S. Total	264,952	232,807	243,143	1,254,761	1,225,631	2.4

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding.

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

Table 8. Electric Utility Net Generation from Coal by Census Division and State
(Million Kilowatthours)

Census Division and State	May 1998	April 1998	May 1997	Year to Date				
				Coal Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	1,440	1,201	1,634	6,907	7,632	-9.5	23.9	25.8
Connecticut.....	111	231	214	865	1,170	-26.1	16.9	22.6
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	1,014	765	1,061	4,687	4,812	-2.6	34.9	36.9
New Hampshire.....	315	205	359	1,355	1,650	-17.9	21.9	25.9
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—
Middle Atlantic	10,342	10,264	9,176	54,409	52,665	3.3	43.3	42.9
New Jersey.....	324	350	252	1,846	2,692	-31.4	15.1	29.0
New York.....	1,937	1,670	1,477	9,254	8,030	15.2	20.7	19.0
Pennsylvania.....	8,081	8,244	7,447	43,309	41,943	3.3	63.0	58.8
East North Central	34,235	30,748	31,126	169,259	166,304	1.8	81.6	80.5
Illinois.....	5,410	4,566	5,772	26,716	29,771	-10.3	58.3	58.2
Indiana.....	8,780	8,176	8,035	44,370	43,117	2.9	98.5	99.0
Michigan.....	5,783	4,902	5,044	27,732	26,347	5.3	80.4	74.4
Ohio.....	11,127	10,087	9,272	54,366	50,747	7.1	88.8	87.8
Wisconsin.....	3,135	3,017	3,004	16,074	16,322	-1.5	77.6	87.5
West North Central	15,729	15,296	13,437	80,541	75,154	7.2	77.4	74.7
Iowa.....	2,522	2,667	1,637	13,059	11,249	16.1	88.6	84.2
Kansas.....	2,335	2,160	1,711	11,374	10,434	9.0	70.5	70.0
Minnesota.....	1,994	1,938	1,551	11,040	10,575	4.4	66.8	65.4
Missouri.....	4,874	4,887	4,786	24,883	23,613	5.4	85.9	81.7
Nebraska.....	1,681	1,479	1,482	7,440	7,476	-5	63.7	65.9
North Dakota.....	2,023	1,856	1,972	11,278	10,426	8.2	92.1	91.0
South Dakota.....	300	308	298	1,468	1,380	6.3	39.4	30.9
South Atlantic	32,689	28,143	29,156	149,067	147,245	1.2	56.5	60.2
Delaware.....	378	346	300	1,613	1,605	.5	71.6	53.4
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	5,544	4,551	5,846	24,782	25,970	-4.6	41.1	47.3
Georgia.....	6,299	5,121	4,934	24,784	23,225	6.7	60.4	60.9
Maryland.....	2,264	2,265	2,003	11,483	10,994	4.4	60.2	63.4
North Carolina.....	5,961	4,619	5,198	25,966	26,827	-3.2	57.3	63.8
South Carolina.....	2,674	2,054	2,149	11,861	10,758	10.2	34.6	36.4
Virginia.....	2,496	2,390	2,102	12,599	11,701	7.7	49.7	50.5
West Virginia.....	7,074	6,795	6,623	35,979	36,166	-5	99.1	99.2
East South Central	18,597	15,817	18,475	87,955	90,403	-2.7	65.9	69.5
Alabama.....	5,850	4,969	5,991	26,546	26,488	.2	57.4	60.5
Kentucky.....	6,444	5,997	6,967	33,535	35,523	-5.6	95.0	95.7
Mississippi.....	1,340	1,068	957	4,847	4,577	5.9	41.3	42.6
Tennessee.....	4,963	3,784	4,560	23,026	23,815	-3.3	57.3	62.0
West South Central	17,428	13,797	17,865	80,735	84,794	-4.8	49.4	53.4
Arkansas.....	1,313	1,344	2,140	7,748	9,816	-21.1	52.6	55.7
Louisiana.....	1,699	1,747	1,776	8,299	7,916	4.8	35.1	35.6
Oklahoma.....	2,686	2,315	2,753	13,301	13,286	.1	68.7	74.8
Texas.....	11,730	8,390	11,196	51,386	53,776	-4.4	48.6	53.2
Mountain	14,387	15,647	14,739	80,713	74,848	7.8	70.8	67.9
Arizona.....	2,545	3,002	2,887	13,719	12,242	12.1	43.8	40.7
Colorado.....	2,518	2,492	2,555	13,107	12,458	5.2	94.7	93.2
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1,101	1,420	817	6,676	5,055	32.1	62.9	48.1
Nevada.....	750	942	1,181	5,930	5,574	6.4	67.1	68.6
New Mexico.....	2,046	2,074	2,202	10,437	11,453	-8.9	88.1	90.2
Utah.....	2,497	2,300	2,541	13,108	12,525	4.7	94.6	94.5
Wyoming.....	2,930	3,418	2,556	17,736	15,541	14.1	96.8	96.1
Pacific Contiguous	400	1,219	481	4,725	2,807	68.3	4.3	2.4
California.....	—	—	—	—	—	—	—	—
Oregon.....	30	312	—	1,182	72	1537.3	5.6	.3
Washington.....	370	906	481	3,543	2,734	29.6	8.4	5.3
Pacific Noncontiguous	23	21	21	128	117	9.1	2.7	2.5
Alaska.....	23	21	21	128	117	9.1	5.6	5.4
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	145,271	132,153	136,110	714,438	701,968	1.8	56.9	57.3

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •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.

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

Table 9. Electric Utility Net Generation from Petroleum by Census Division and State
(Million Kilowatthours)

Census Division and State	May 1998	April 1998	May 1997	Year to Date				
				Petroleum Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	1,690	1,496	1,222	9,872	8,613	14.6	34.2	29.2
Connecticut.....	655	514	492	3,649	3,174	15.0	71.4	61.3
Maine.....	203	47	39	428	312	37.2	33.0	24.4
Massachusetts.....	681	852	587	5,208	4,662	11.7	38.7	35.7
New Hampshire.....	150	81	103	535	459	16.7	8.6	7.2
Rhode Island.....	1	1	1	5	4	27.4	.4	.3
Vermont.....	NM	NM	NM	45	1	3595.4	2.9	.1
Middle Atlantic	1,459	1,041	382	5,598	3,353	67.0	4.5	2.7
New Jersey.....	40	19	2	84	109	-22.9	.7	1.2
New York.....	967	920	317	4,525	2,659	70.2	10.1	6.3
Pennsylvania.....	452	102	63	988	584	69.1	1.4	.8
East North Central	372	193	120	1,304	598	118.1	.6	.3
Illinois.....	78	55	21	436	163	168.3	1.0	.3
Indiana.....	62	54	47	341	145	134.7	.8	.3
Michigan.....	162	46	20	337	124	172.0	1.0	.3
Ohio.....	32	32	20	120	105	14.5	.2	.2
Wisconsin.....	37	7	13	70	61	14.2	.3	.3
West North Central	155	42	94	368	457	-19.6	.4	.5
Iowa.....	NM	NM	3	32	25	25.6	.2	.2
Kansas.....	10	4	NM	24	56	-57.4	.1	.4
Minnesota.....	62	22	71	202	304	-33.5	1.2	1.9
Missouri.....	40	4	4	62	29	118.5	.2	.1
Nebraska.....	NM	3	3	17	10	68.6	.1	.1
North Dakota.....	4	6	6	23	31	-26.6	.2	.3
South Dakota.....	7	*	*	7	2	298.9	.2	*
South Atlantic	4,383	2,980	1,999	13,817	8,162	69.3	5.2	3.3
Delaware.....	126	65	62	404	320	26.3	17.9	10.7
District of Columbia.....	30	-1	-1	33	-3	NM	100.0	100.0
Florida.....	3,628	2,614	1,815	11,623	6,950	67.2	19.3	12.7
Georgia.....	101	32	12	163	40	307.7	.4	.1
Maryland.....	314	152	64	939	456	106.1	4.9	2.6
North Carolina.....	34	12	13	90	78	16.2	.2	.2
South Carolina.....	53	6	12	89	44	101.3	.3	.2
Virginia.....	75	77	7	388	207	87.4	1.5	.9
West Virginia.....	21	24	14	87	70	24.4	.2	.2
East South Central	874	403	35	2,760	884	212.1	2.1	.7
Alabama.....	19	54	6	106	50	111.1	.2	.1
Kentucky.....	10	10	14	51	46	10.9	.1	.1
Mississippi.....	791	289	7	2,475	734	237.3	21.1	6.8
Tennessee.....	54	50	8	129	55	135.2	.3	.1
West South Central	21	68	51	359	452	-20.7	.2	.3
Arkansas.....	7	6	9	20	38	-46.4	.1	.2
Louisiana.....	4	55	31	288	291	-1.2	1.2	1.3
Oklahoma.....	*	1	*	1	2	-12.9	*	*
Texas.....	10	7	10	49	121	-59.5	*	.1
Mountain	29	19	23	91	102	-11.3	.1	.1
Arizona.....	9	4	8	27	37	-25.4	.1	.1
Colorado.....	1	NM	NM	8	6	22.1	.1	*
Idaho.....	—	*	—	*	*	NM	*	*
Montana.....	1	1	1	6	8	-25.5	.1	.1
Nevada.....	6	2	2	12	10	18.4	.1	.1
New Mexico.....	6	1	4	10	11	-10.0	.1	.1
Utah.....	3	5	2	12	12	6.9	.1	.1
Wyoming.....	3	4	4	16	19	-17.2	.1	.1
Pacific Contiguous	5	10	7	45	26	74.9	*	*
California.....	4	7	7	39	22	75.4	.1	.1
Oregon.....	*	1	—	2	1	-187.5	*	*
Washington.....	1	2	*	4	3	38.3	*	*
Pacific Noncontiguous	544	582	518	3,042	2,779	9.4	63.6	59.3
Alaska.....	NM	66	NM	535	278	92.8	23.6	12.7
Hawaii.....	508	516	483	2,506	2,502	.2	99.8	99.8
U.S. Total	9,531	6,833	4,452	37,255	25,427	46.5	3.0	2.1

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •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.

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

Table 10. Electric Utility Net Generation from Gas by Census Division and State
(Million Kilowatthours)

Census Division and State	May 1998	April 1998	May 1997	Year to Date				
				Gas Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	655	379	819	2,467	3,848	-35.9	8.5	13.0
Connecticut.....	125	14	105	262	442	-40.9	5.1	8.5
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	271	154	393	931	2,024	-54.0	6.9	15.5
New Hampshire.....	—	*	*	*	*	NM	*	*
Rhode Island.....	258	211	321	1,274	1,381	-7.8	99.6	99.7
Vermont.....	*	—	—	1	—	NM	.1	—
Middle Atlantic	2,168	959	1,847	6,975	6,696	4.2	5.6	5.5
New Jersey.....	382	123	159	733	717	2.3	6.0	7.7
New York.....	1,738	813	1,662	6,094	5,844	4.3	13.6	13.8
Pennsylvania.....	49	23	25	147	136	8.2	.2	.2
East North Central	1,138	606	396	3,163	1,909	65.7	1.5	.9
Illinois.....	598	409	224	1,930	983	96.3	4.2	1.9
Indiana.....	103	NM	15	166	79	109.5	.4	.2
Michigan.....	202	147	49	614	225	172.7	1.8	.6
Ohio.....	71	8	6	117	28	312.9	.2	*
Wisconsin.....	165	28	101	337	594	-43.2	1.6	3.2
West North Central	524	120	191	892	661	35.0	.9	.7
Iowa.....	48	20	16	113	89	26.9	.8	.7
Kansas.....	250	NM	99	421	276	52.3	2.6	1.9
Minnesota.....	76	26	55	131	212	-38.4	.8	1.3
Missouri.....	72	17	7	118	33	256.6	.4	.1
Nebraska.....	50	14	8	73	35	109.6	.6	.3
North Dakota.....	—	*	*	*	*	NM	*	*
South Dakota.....	29	2	6	37	15	141.1	1.0	.3
South Atlantic	3,478	2,091	3,395	12,330	14,400	-14.4	4.7	5.9
Delaware.....	105	60	116	237	1,081	-78.1	10.5	36.0
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	2,864	1,912	3,120	11,086	12,641	-12.3	18.4	23.0
Georgia.....	57	9	16	87	37	130.8	.2	.1
Maryland.....	83	33	49	185	206	-10.4	1.0	1.2
North Carolina.....	85	1	4	92	6	1374.2	.2	*
South Carolina.....	50	2	4	60	11	443.0	.2	*
Virginia.....	232	72	82	571	407	40.4	2.3	1.8
West Virginia.....	3	2	3	13	10	32.6	*	*
East South Central	1,100	332	346	2,045	1,058	93.3	1.5	.8
Alabama.....	284	22	43	386	115	236.3	.8	.3
Kentucky.....	82	10	1	138	40	248.4	.4	.1
Mississippi.....	694	300	302	1,480	903	63.9	12.6	8.4
Tennessee.....	40	—	—	40	—	—	.1	—
West South Central	15,835	10,905	10,322	50,472	41,719	21.0	30.9	26.3
Arkansas.....	503	208	43	872	184	373.3	5.9	1.0
Louisiana.....	2,740	1,633	2,409	7,962	8,223	-3.2	33.7	36.9
Oklahoma.....	1,333	786	668	4,206	3,132	34.3	21.7	17.6
Texas.....	11,259	8,278	7,202	37,432	30,180	24.0	35.4	29.9
Mountain	754	841	1,016	3,419	3,135	9.1	3.0	2.8
Arizona.....	53	93	239	340	398	-14.6	1.1	1.3
Colorado.....	50	46	31	190	115	64.9	1.4	.9
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	7	1	1	11	10	6.3	.1	.1
Nevada.....	360	353	502	1,553	1,434	8.3	17.6	17.7
New Mexico.....	277	341	235	1,270	1,131	12.2	10.7	8.9
Utah.....	NM	NM	NM	34	43	-19.4	.2	.3
Wyoming.....	1	1	1	22	4	463.2	.1	*
Pacific Contiguous	1,302	2,008	3,596	10,622	11,285	-5.9	9.7	9.6
California.....	1,276	1,730	3,589	9,733	11,217	-13.2	21.2	25.9
Oregon.....	25	267	*	823	59	1284.3	3.9	.3
Washington.....	1	12	7	67	9	623.0	.2	*
Pacific Noncontiguous	210	214	265	1,152	1,376	-16.3	24.1	29.4
Alaska.....	210	214	265	1,152	1,376	-16.3	50.7	63.1
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	27,164	18,455	22,192	93,538	86,086	8.7	7.5	7.0

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •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.

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

Table 11. Electric Utility Hydroelectric Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	May 1998	April 1998	May 1997	Year to Date				
				Hydroelectric Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England.....	415	571	637	2,445	2,702	-9.5	8.5	9.1
Connecticut.....	45	52	55	245	256	-4.5	4.8	4.9
Maine.....	187	232	233	870	966	-9.9	67.0	75.6
Massachusetts.....	20	51	53	257	304	-15.5	1.9	2.3
New Hampshire.....	85	120	177	579	668	-13.4	9.3	10.5
Rhode Island.....								
Vermont.....	NM	116	118	494	507	-2.5	32.1	22.2
Middle Atlantic.....	2,604	2,660	2,690	13,353	12,930	3.3	10.6	10.5
New Jersey.....	-11	-11	-9	-57	-44	NM	-5	-5
New York.....	2,360	2,373	2,566	12,053	12,197	-1.2	27.0	28.9
Pennsylvania.....	255	298	133	1,358	776	74.9	2.0	1.1
East North Central.....	204	370	434	1,447	1,916	-24.5	.7	.9
Illinois.....	2	1	1	7	5	24.3	*	*
Indiana.....	39	36	54	191	227	-15.7	.4	.5
Michigan.....	13	79	139	290	461	-37.1	.8	1.3
Ohio.....	35	29	26	146	174	-16.1	.2	.3
Wisconsin.....	116	225	213	812	1,048	-22.5	3.9	5.6
West North Central.....	1,116	1,095	1,535	5,629	6,472	-13.0	5.4	6.4
Iowa.....	87	55	67	362	359	.8	2.5	2.7
Kansas.....								
Minnesota.....	50	91	93	299	356	-16.1	1.8	2.2
Missouri.....	147	337	103	1,142	1,028	11.1	3.9	3.6
Nebraska.....	144	138	151	672	663	1.4	5.8	5.8
North Dakota.....	212	167	295	942	995	-5.3	7.7	8.7
South Dakota.....	476	306	825	2,211	3,071	-28.0	59.4	68.7
South Atlantic.....	1,667	2,152	1,359	10,572	7,704	37.2	4.0	3.1
Delaware.....								
District of Columbia.....								
Florida.....	22	17	24	74	107	-30.4	.1	.2
Georgia.....	480	707	409	3,254	2,240	45.3	7.9	5.9
Maryland.....	257	310	146	1,369	1,014	35.0	7.2	5.9
North Carolina.....	460	472	407	2,737	2,316	18.2	6.0	5.5
South Carolina.....	287	468	254	2,252	1,410	59.7	6.6	4.8
Virginia.....	115	129	64	648	391	65.8	2.6	1.7
West Virginia.....	46	48	55	237	226	4.9	.7	.6
East South Central.....	2,473	2,713	1,904	13,318	11,882	12.1	10.0	9.1
Alabama.....	967	1,393	979	6,923	6,005	15.3	15.0	13.7
Kentucky.....	415	327	250	1,589	1,516	4.8	4.5	4.1
Mississippi.....								
Tennessee.....	1,091	993	675	4,806	4,361	10.2	12.0	11.4
West South Central.....	764	858	858	4,377	4,271	2.5	2.7	2.7
Arkansas.....	324	314	345	1,674	1,907	-12.2	11.4	10.8
Louisiana.....								
Oklahoma.....	318	375	250	1,857	1,334	39.2	9.6	7.5
Texas.....	122	169	263	846	1,030	-17.8	.8	1.0
Mountain.....	3,979	3,385	4,269	17,316	20,032	-13.6	15.2	18.2
Arizona.....	956	811	1,144	4,871	5,429	-10.3	15.5	18.1
Colorado.....	136	58	201	533	783	-31.9	3.9	5.9
Idaho.....	1,316	1,237	1,095	5,343	5,966	-10.4	100.0	100.0
Montana.....	1,019	683	1,159	3,923	5,432	-27.8	37.0	51.7
Nevada.....	221	268	282	1,338	1,102	21.4	15.2	13.6
New Mexico.....	35	29	28	128	105	21.5	1.1	.8
Utah.....	153	133	164	627	605	3.6	4.5	4.6
Wyoming.....	144	166	196	554	609	-9.0	3.0	3.8
Pacific Contiguous.....	17,709	13,488	18,964	76,202	88,997	-14.4	69.7	75.6
California.....	4,962	4,654	3,956	21,020	19,456	8.0	45.9	44.9
Oregon.....	4,147	3,213	4,370	19,085	22,407	-14.8	90.5	99.4
Washington.....	8,600	5,621	10,637	36,097	47,134	-23.4	85.1	90.9
Pacific Noncontiguous.....	88	84	60	460	414	11.1	9.6	8.8
Alaska.....	NM	NM	NM	455	409	11.3	20.0	18.8
Hawaii.....	2	2	1	5	5	1.2	.2	.2
U.S. Total.....	31,020	27,376	32,709	145,119	157,319	-7.8	11.6	12.8

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Pumping energy used at pumped storage plants for May 1998 was 2,610 million kilowatthours. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding.

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

Table 12. Electric Utility Nuclear-Powered Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	May 1998	April 1998	May 1997	Year to Date				
				Nuclear Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England.....	1,303	1,274	1,008	6,926	6,499	6.6	24.0	22.0
Connecticut.....	-22	-27	-10	-88	-53	NM	-1.7	-1.0
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	461	468	486	2,363	1,240	90.7	17.6	9.5
New Hampshire.....	864	832	240	3,727	3,585	4.0	60.2	56.4
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	292	924	1,728	-46.5	60.1	75.7
Middle Atlantic.....	8,329	8,501	9,403	45,238	47,210	-4.2	36.0	38.4
New Jersey.....	2,814	1,888	1,137	9,584	5,805	65.1	78.6	62.6
New York.....	1,566	2,733	2,113	12,739	13,500	-5.6	28.5	32.0
Pennsylvania.....	3,950	3,880	6,153	22,915	27,906	-17.9	33.3	39.1
East North Central.....	6,067	6,112	6,602	31,964	35,739	-10.6	15.4	17.3
Illinois.....	3,538	3,167	3,113	16,717	20,230	-17.4	36.5	39.5
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	738	1,222	2,512	5,526	8,275	-33.2	16.0	23.4
Ohio.....	1,047	1,004	980	6,489	6,748	-3.8	10.6	11.7
Wisconsin.....	743	719	-3	3,232	486	564.7	15.6	2.6
West North Central.....	3,385	2,230	3,049	16,392	17,685	-7.3	15.8	17.6
Iowa.....	78	18	290	1,172	1,626	-27.9	8.0	12.2
Kansas.....	882	856	726	4,320	4,144	4.2	26.8	27.8
Minnesota.....	1,163	796	861	4,690	4,557	2.9	28.4	28.2
Missouri.....	703	18	862	2,739	4,201	-34.8	9.5	14.5
Nebraska.....	559	542	310	3,471	3,157	9.9	29.7	27.8
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic.....	15,392	14,840	12,983	78,234	67,171	16.5	29.6	27.5
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	2,795	2,869	1,658	12,793	9,252	38.3	21.2	16.8
Georgia.....	2,676	2,240	2,886	12,751	12,614	1.1	31.1	33.1
Maryland.....	647	687	724	5,095	4,661	9.3	26.7	26.9
North Carolina.....	2,891	3,326	2,170	16,441	12,824	28.2	36.3	30.5
South Carolina.....	4,237	3,821	3,614	20,017	17,360	15.3	58.4	58.7
Virginia.....	2,146	1,897	1,932	11,137	10,460	6.5	43.9	45.2
West Virginia.....	—	—	—	—	—	—	—	—
East South Central.....	5,033	4,478	5,228	27,377	25,829	6.0	20.5	19.9
Alabama.....	2,382	1,767	2,191	12,247	11,146	9.9	26.5	25.4
Kentucky.....	—	—	—	—	—	—	—	—
Mississippi.....	182	267	911	2,938	4,528	-35.1	25.0	42.2
Tennessee.....	2,469	2,444	2,127	12,192	10,155	20.1	30.3	26.5
West South Central.....	5,937	4,376	4,507	27,428	27,419	*	16.8	17.3
Arkansas.....	943	633	803	4,421	5,679	-22.1	30.0	32.2
Louisiana.....	1,512	1,116	434	7,073	5,825	21.4	29.9	26.2
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	3,481	2,627	3,270	15,934	15,914	.1	15.1	15.8
Mountain.....	2,800	2,096	2,642	12,385	11,972	3.4	10.9	10.9
Arizona.....	2,800	2,096	2,642	12,385	11,972	3.4	39.5	39.8
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—
Pacific Contiguous.....	3,250	3,596	1,610	15,654	12,376	26.5	14.3	10.5
California.....	3,257	3,149	1,610	13,090	10,530	24.3	28.6	24.3
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	-7	446	—	2,564	1,847	38.8	6.0	3.6
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total.....	51,496	47,503	47,032	261,598	251,901	3.8	20.8	20.6

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •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.

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

Table 13. Electric Utility Net Generation from Other Energy Sources by Census Division and State
(Million Kilowatthours)

Census Division and State	May 1998	April 1998	May 1997	Year to Date				
				Other Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	56	58	50	254	237	7.0	0.9	0.8
Connecticut.....	38	42	42	179	189	-5.1	3.5	3.7
Maine.....	*	*	—	*	—	NM	*	—
Massachusetts.....	—	—	—	—	—	—	—	—
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	17	17	8	74	48	54.2	4.8	2.1
Middle Atlantic	—	—	*	*	13	NM	*	*
New Jersey.....	—	—	—	—	—	—	—	—
New York.....	—	—	*	*	13	NM	*	*
Pennsylvania.....	—	—	—	—	—	—	—	—
East North Central	36	28	41	177	159	11.4	.1	.1
Illinois.....	—	—	—	—	24	—	—	*
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	—	—	—	—	—
Ohio.....	—	—	—	—	—	—	—	—
Wisconsin.....	36	28	41	177	135	30.9	.9	.7
West North Central	55	40	44	212	198	6.9	.2	.2
Iowa.....	1	1	2	6	8	-29.4	*	.1
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	41	35	40	177	174	1.8	1.1	1.1
Missouri.....	13	3	2	29	16	85.1	.1	.1
Nebraska.....	—	—	—	—	1	—	—	*
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic	—	—	—	—	—	—	—	—
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	—	—	—	—	—	—	—	—
Georgia.....	—	—	—	—	—	—	—	—
Maryland.....	—	—	—	—	—	—	—	—
North Carolina.....	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—
Virginia.....	—	—	—	—	—	—	—	—
West Virginia.....	—	—	—	—	—	—	—	—
East South Central	—	—	—	—	—	—	—	—
Alabama.....	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	—	—	—	—	—
Tennessee.....	—	—	—	—	—	—	—	—
West South Central	*	*	*	*	*	NM	*	*
Arkansas.....	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	*	*	*	*	*	NM	*	*
Mountain	14	16	17	77	75	2.4	.1	.1
Arizona.....	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	14	16	17	77	75	2.4	.6	.6
Wyoming.....	—	—	—	—	—	—	—	—
Pacific Contiguous	310	345	497	2,092	2,248	-6.9	1.9	1.9
California.....	286	315	467	1,949	2,096	-7.0	4.3	4.8
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	24	30	30	143	151	-5.5	.3	.3
Pacific Noncontiguous	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	470	488	649	2,812	2,930	-4.0	.2	.2

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •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. •Other energy sources include geothermal, wood, wind, waste, and solar.

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



U.S. Electric Utility Consumption of Fossil Fuels

Table 14. U.S. Electric Utility Consumption of Fossil Fuels, 1988 Through May 1998

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)	Gas (thousand Mcf)
	Anthracite ¹	Bituminous ²	Lignite	Total	Light	Heavy	Total		
1988.....	1,063	681,048	76,260	758,372	18,769	229,327	248,096	409	2,635,613
1989.....	1,049	688,504	77,335	766,888	25,491	241,960	267,451	517	2,787,012
1990.....	1,031	694,317	78,201	773,549	14,823	181,231	196,054	819	2,787,332
1991.....	994	691,275	79,999	772,268	13,729	171,157	184,886	722	2,789,014
1992.....	986	698,626	80,248	779,860	11,556	135,779	147,335	999	2,765,608
1993.....	951	732,736	79,821	813,508	13,168	149,287	162,454	1220	2,682,440
1994.....	1,123	737,102	79,045	817,270	16,338	134,666	151,004	875	2,987,146
1995.....	978	749,951	78,078	829,007	15,565	86,584	102,150	761	3,196,507
1996									
January.....	87	69,455	7,282	76,824	1,967	11,410	13,376	62	168,408
February.....	79	62,555	6,470	69,103	2,514	11,857	14,370	47	136,531
March.....	88	62,534	6,439	69,061	1,593	8,782	10,375	39	156,076
April.....	77	57,224	5,032	62,334	1,001	4,344	5,346	44	169,514
May.....	87	61,321	5,981	67,390	1,354	5,256	6,610	49	264,183
June.....	86	66,642	6,759	73,487	1,083	8,353	9,436	48	299,413
July.....	89	73,036	7,204	80,330	1,322	11,444	12,766	71	357,600
August.....	97	74,140	7,120	81,357	1,123	9,031	10,154	86	367,063
September.....	97	65,500	6,325	71,922	1,193	6,821	8,014	71	284,744
October.....	66	65,199	6,309	71,575	1,076	4,509	5,585	59	226,376
November.....	63	67,059	6,409	73,531	1,113	6,055	7,167	51	169,829
December.....	92	70,586	7,091	77,769	1,553	8,520	10,073	55	132,372
Total.....	1,009	795,252	78,421	874,681	16,892	96,382	113,274	681	2,732,107
1997									
January.....	97	74,109	7,082	81,288	1,708	11,944	13,652	56	139,036
February.....	86	61,786	6,204	68,076	861	6,282	7,143	55	143,185
March.....	89	63,573	5,728	69,389	852	6,050	6,902	35	189,590
April.....	93	60,372	4,831	65,296	1,060	5,121	6,181	103	193,416
May.....	72	62,201	6,129	68,402	967	6,124	7,091	135	231,548
June.....	75	67,036	6,852	73,963	1,397	9,707	11,104	144	297,424
July.....	91	77,514	7,122	84,727	2,605	12,502	15,107	144	429,286
August.....	82	75,403	7,146	82,631	1,372	10,808	12,180	160	391,090
September.....	85	69,710	6,537	76,332	1,053	11,005	12,058	161	332,781
October.....	88	69,729	6,415	76,232	1,118	10,237	11,354	140	244,394
November.....	67	66,904	6,392	73,362	1,053	9,647	10,700	135	179,723
December.....	89	73,486	7,086	80,661	1,110	10,564	11,674	132	196,980
Total.....	1,013	821,823	77,524	900,361	15,157	109,989	125,146	1400	2,968,453
1998									
January.....	84	72,435	7,051	79,571	1,226	9,014	10,240	156	170,946
February.....	75	63,091	5,960	69,127	933	8,186	9,119	122	133,700
March.....	84	66,667	5,050	71,800	1,236	12,709	13,944	125	194,113
April.....	75	61,587	4,730	66,392	1,011	9,723	10,734	143	190,266
May.....	83	67,175	5,551	72,809	2,045	13,365	15,410	146	293,378
Total.....	402	330,954	28,343	359,699	6,451	52,996	59,447	692	982,403
Year to Date									
1998.....	402	330,954	28,343	359,699	6,451	52,996	59,447	692	982,403
1997.....	437	322,041	29,974	352,451	5,448	35,520	40,968	383	896,774
1996.....	418	313,089	31,203	344,711	8,429	41,649	50,078	240	894,711

¹ Includes anthracite silt stored off-site.

² Includes subbituminous coal.

Notes: *Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final—see Technical Notes for adjustment methodology. Values for 1996 and prior years are final. *Totals may not equal sum of components because of independent rounding. *Mcf=thousand cubic feet.

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

Table 15. Electric Utility Consumption of Coal by NERC Region and Hawaii
(Thousand Short Tons)

NERC Region and Hawaii	May 1998	April 1998	May 1997	Year to Date		
				1998	1997	Difference (percent)
ECAR.....	17,752	16,386	15,732	88,341	83,861	5.3
ERCOT.....	6,587	5,046	6,339	29,288	30,421	-3.7
MAAC.....	3,149	3,250	3,037	16,651	17,714	-6.0
MAIN.....	5,770	5,431	6,285	29,616	32,177	-8.0
MAPP (U.S.).....	6,310	6,406	5,488	34,015	32,072	6.1
NPCC (U.S.).....	1,531	1,349	1,258	7,464	6,176	20.9
SERC.....	13,348	10,773	12,042	59,528	59,548	*
FRCC.....	1,994	1,642	2,173	9,133	9,635	NM
SPP.....	8,592	7,347	8,160	41,213	40,640	1.4
WSCC (U.S.).....	7,756	8,740	7,870	44,318	40,095	10.5
Contiguous U.S.	72,788	66,370	68,383	359,567	352,339	2.1
ASCC.....	22	22	19	132	112	17.6
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	72,809	66,392	68,402	359,699	352,451	2.1

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •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. •See Glossary for explanation of acronyms.

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

Table 16. Electric Utility Consumption of Petroleum by NERC Region and Hawaii
(Thousand Barrels)

NERC Region and Hawaii	May 1998	April 1998	May 1997	Year to Date		
				1998	1997	Difference (percent)
ECAR.....	469	213	166	1,279	902	41.8
ERCOT.....	20	12	16	87	209	-58.3
MAAC.....	1,673	546	347	4,117	2,534	62.4
MAIN.....	172	45	53	781	478	63.3
MAPP (U.S.).....	179	32	47	305	270	12.7
NPCC (U.S.).....	4,345	4,063	2,531	23,796	17,833	33.4
SERC.....	764	409	121	1,945	938	107.2
FRCC.....	5,470	3,818	2,745	17,087	10,818	NM
SPP.....	1,292	539	95	4,472	1,832	144.1
WSCC (U.S.).....	66	59	57	269	243	11.0
Contiguous U.S.	14,449	9,737	6,177	54,138	36,059	50.1
ASCC.....	87	136	69	1,002	518	93.6
Hawaii.....	874	862	845	4,308	4,392	-1.9
U.S. Total.....	15,410	10,734	7,091	59,447	40,968	45.1

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •See Glossary for explanation of acronyms.

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

Table 17. Electric Utility Consumption of Gas by NERC Region and Hawaii
(Million Cubic Feet)

NERC Region and Hawaii	May 1998	April 1998	May 1997	Year to Date		
				1998	1997	Difference (percent)
ECAR.....	7,397	4,111	3,097	22,779	13,475	69.0
ERCOT.....	94,572	65,426	58,049	304,779	242,476	25.7
MAAC.....	6,313	2,552	3,542	14,070	20,404	-31.0
MAIN.....	9,375	5,254	4,812	27,942	22,051	26.7
MAPP (U.S.).....	2,762	803	1,034	5,172	5,018	3.1
NPCC (U.S.).....	24,932	12,434	24,828	87,435	96,875	-9.7
SERC.....	12,995	4,062	4,493	30,541	19,274	58.5
FRCC.....	26,445	15,800	29,425	94,950	113,561	NM
SPP.....	84,026	48,634	50,660	236,838	194,002	22.1
WSCC (U.S.).....	22,151	28,924	48,713	145,681	154,515	-5.7
Contiguous U.S.....	290,967	188,000	228,652	970,186	881,652	10.0
ASCC.....	2,410	2,266	2,895	12,217	15,122	-19.2
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	293,378	190,266	231,548	982,403	896,774	9.5

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •See Glossary for explanation of acronyms.

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

Table 18. Electric Utility Consumption of Coal by Census Division and State
(Thousand Short Tons)

Census Division and State	May 1998	April 1998	May 1997	Year to Date		
				1998	1997	Difference (percent)
New England	549	477	629	2,692	2,955	-8.9
Connecticut.....	45	90	83	343	454	-24.5
Maine.....	—	—	—	—	—	—
Massachusetts.....	377	301	398	1,787	1,815	-1.6
New Hampshire.....	127	87	147	562	685	-17.9
Rhode Island.....	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—
Middle Atlantic	4,192	4,151	3,711	21,927	21,119	3.8
New Jersey.....	126	126	104	741	1,070	-30.8
New York.....	764	660	580	3,672	3,221	14.0
Pennsylvania.....	3,302	3,366	3,026	17,515	16,828	4.1
East North Central	16,631	14,895	15,287	81,959	81,169	1.0
Illinois.....	2,945	2,425	3,119	14,318	15,999	-10.5
Indiana.....	4,393	4,124	4,065	21,920	21,639	1.3
Michigan.....	2,798	2,419	2,474	13,632	12,776	6.7
Ohio.....	4,741	4,248	3,903	23,127	21,286	8.6
Wisconsin.....	1,754	1,680	1,726	8,961	9,469	-5.4
West North Central	10,032	9,999	8,766	52,435	48,877	7.3
Iowa.....	1,583	1,685	1,018	8,240	7,076	16.4
Kansas.....	1,407	1,391	1,038	7,168	6,653	7.7
Minnesota.....	1,196	1,290	1,114	7,086	6,950	2.0
Missouri.....	2,905	2,905	2,810	14,698	13,759	6.8
Nebraska.....	1,044	925	923	4,699	4,696	.1
North Dakota.....	1,722	1,615	1,683	9,664	8,914	8.4
South Dakota.....	174	187	180	880	829	6.1
South Atlantic	13,171	11,239	11,841	60,388	59,667	1.2
Delaware.....	159	138	127	671	702	-4.4
District of Columbia.....	—	—	—	—	—	—
Florida.....	2,331	1,911	2,341	10,443	10,610	-1.6
Georgia.....	2,684	2,146	2,302	11,094	11,048	.4
Maryland.....	862	859	764	4,437	4,184	6.0
North Carolina.....	2,335	1,783	2,037	10,052	10,369	-3.1
South Carolina.....	1,038	801	837	4,665	4,172	11.8
Virginia.....	975	940	831	4,956	4,537	9.2
West Virginia.....	2,786	2,662	2,601	14,070	14,045	.2
East South Central	8,099	6,903	7,893	38,232	38,910	-1.7
Alabama.....	2,561	2,163	2,511	11,593	11,451	1.2
Kentucky.....	2,841	2,610	3,026	14,578	15,405	-5.4
Mississippi.....	612	519	466	2,356	2,211	6.5
Tennessee.....	2,085	1,612	1,890	9,705	9,842	-1.4
West South Central	12,011	9,505	11,985	55,162	56,800	-2.9
Arkansas.....	951	846	1,310	4,883	5,837	-16.3
Louisiana.....	1,131	1,157	1,195	5,553	5,246	5.9
Oklahoma.....	1,644	1,386	1,640	8,021	7,993	.4
Texas.....	8,284	6,115	7,840	36,705	37,724	-2.7
Mountain	7,829	8,417	7,938	43,678	40,886	6.8
Arizona.....	1,302	1,525	1,465	6,946	6,347	9.4
Colorado.....	1,323	1,330	1,390	6,969	6,644	4.9
Idaho.....	—	—	—	—	—	—
Montana.....	711	884	528	4,235	3,295	28.5
Nevada.....	365	439	552	2,755	2,730	.9
New Mexico.....	1,203	1,206	1,287	6,059	6,645	-8.8
Utah.....	1,109	1,027	1,114	5,875	5,605	4.8
Wyoming.....	1,817	2,006	1,602	10,838	9,620	12.7
Pacific Contiguous	274	783	334	3,095	1,957	58.2
California.....	—	—	—	—	—	—
Oregon.....	20	205	—	747	50	1390.9
Washington.....	254	578	334	2,348	1,907	23.1
Pacific Noncontiguous	22	22	19	132	112	17.5
Alaska.....	22	22	19	132	112	17.5
Hawaii.....	—	—	—	—	—	—
U.S. Total	72,809	66,392	68,402	359,699	352,451	2.1

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •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. Electric Utility Consumption of Petroleum by Census Division and State
(Thousand Barrels)

Census Division and State	May 1998	April 1998	May 1997	Year to Date		
				1998	1997	Difference (percent)
New England	2,829	2,527	1,974	16,362	13,268	23.3
Connecticut.....	1,085	917	839	6,146	5,338	15.1
Maine.....	341	88	70	755	487	54.9
Massachusetts.....	1,138	1,375	878	8,391	6,621	26.7
New Hampshire.....	263	145	185	944	809	16.7
Rhode Island.....	2	2	2	9	8	6.6
Vermont.....	NM	NM	NM	118	5	2177.8
Middle Atlantic	2,376	1,702	653	9,117	5,600	62.8
New Jersey.....	97	81	8	262	178	46.9
New York.....	1,520	1,539	558	7,475	4,562	63.8
Pennsylvania.....	759	83	86	1,380	860	60.5
East North Central	587	199	169	1,797	1,158	55.3
Illinois.....	111	37	42	669	399	67.6
Indiana.....	34	17	25	123	138	-10.5
Michigan.....	307	86	48	677	335	102.0
Ohio.....	61	55	37	220	210	4.4
Wisconsin.....	76	4	17	108	75	44.2
West North Central	247	50	68	442	411	7.5
Iowa.....	NM	6	7	81	73	10.9
Kansas.....	NM	10	25	60	129	-53.6
Minnesota.....	37	4	7	60	51	18.9
Missouri.....	89	13	10	144	71	101.9
Nebraska.....	NM	6	6	35	24	44.5
North Dakota.....	8	10	12	42	55	-24.3
South Dakota.....	17	*	2	20	8	147.3
South Atlantic	6,958	4,460	3,112	21,216	13,164	61.2
Delaware.....	203	105	103	667	539	23.7
District of Columbia.....	61	—	*	78	7	1011.3
Florida.....	5,475	3,817	2,745	17,091	10,824	57.9
Georgia.....	303	58	27	443	92	380.8
Maryland.....	568	278	153	1,757	970	81.1
North Carolina.....	75	24	23	197	180	9.5
South Carolina.....	112	12	23	205	97	111.5
Virginia.....	126	125	13	635	337	88.5
West Virginia.....	35	40	23	143	117	22.3
East South Central	1,336	623	66	4,333	1,419	205.4
Alabama.....	32	93	11	192	99	93.0
Kentucky.....	22	18	28	104	102	1.4
Mississippi.....	1,180	418	13	3,796	1,119	239.2
Tennessee.....	103	94	14	241	98	146.6
West South Central	48	115	75	611	773	-20.9
Arkansas.....	18	11	17	42	72	-41.4
Louisiana.....	7	87	39	465	469	-8
Oklahoma.....	1	3	1	5	4	43.3
Texas.....	23	14	19	99	228	-56.6
Mountain	56	37	45	177	206	-14.4
Arizona.....	17	7	14	49	68	-27.1
Colorado.....	3	8	6	21	17	21.6
Idaho.....	—	*	—	*	*	NM
Montana.....	2	2	3	13	18	-28.1
Nevada.....	11	3	3	22	24	-7.9
New Mexico.....	11	1	9	20	22	-10.4
Utah.....	5	NM	4	22	21	5.7
Wyoming.....	6	7	7	29	36	-19.8
Pacific Contiguous	11	25	15	100	59	70.4
California.....	9	15	15	82	51	62.6
Oregon.....	*	2	*	5	2	173.7
Washington.....	2	8	*	13	6	99.8
Pacific Noncontiguous	961	996	913	5,292	4,911	7.8
Alaska.....	NM	NM	NM	993	518	91.8
Hawaii.....	874	861	845	4,299	4,393	-2.1
U.S. Total	15,410	10,734	7,091	59,447	40,968	45.1

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •The May 1998 petroleum coke consumption was 146,267 short tons.

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

Table 20. Electric Utility Consumption of Gas by Census Division and State
(Million Cubic Feet)

Census Division and State	May 1998	April 1998	May 1997	Year to Date		
				1998	1997	Difference (percent)
New England	6,007	3,348	7,402	21,991	35,394	-37.9
Connecticut.....	1,386	157	1,139	2,811	4,730	-40.6
Maine.....	—	—	—	—	—	—
Massachusetts.....	2,666	1,579	3,814	9,371	20,062	-53.3
New Hampshire.....	—	*	*	26	1	2638.2
Rhode Island.....	1,943	1,606	2,447	9,651	10,589	-8.9
Vermont.....	12	6	3	132	12	960.1
Middle Atlantic	23,473	10,715	19,212	75,254	70,216	7.2
New Jersey.....	3,926	1,380	1,479	8,088	7,207	12.2
New York.....	18,926	9,076	17,438	65,398	61,466	6.4
Pennsylvania.....	621	260	295	1,768	1,542	14.6
East North Central	15,754	9,216	7,822	49,045	34,903	40.5
Illinois.....	7,068	4,835	2,901	23,473	13,126	78.8
Indiana.....	1,187	205	210	2,009	911	120.5
Michigan.....	4,212	3,602	2,752	17,307	11,671	48.3
Ohio.....	1,005	178	106	1,700	482	252.8
Wisconsin.....	2,282	395	1,854	4,556	8,713	-47.7
West North Central	6,660	1,578	2,393	11,908	8,865	34.3
Iowa.....	697	298	272	1,706	1,359	25.5
Kansas.....	3,207	NM	1,238	5,727	3,614	58.5
Minnesota.....	804	268	595	1,500	2,687	-44.2
Missouri.....	952	210	95	1,539	483	218.6
Nebraska.....	634	176	108	927	467	98.4
North Dakota.....	—	—	*	—	*	NM
South Dakota.....	366	33	85	510	255	100.3
South Atlantic	33,306	17,649	32,219	108,486	129,656	-16.3
Delaware.....	900	548	1,064	2,253	8,998	-75.0
District of Columbia.....	—	—	—	—	—	—
Florida.....	26,827	15,860	29,444	95,426	113,697	-16.1
Georgia.....	746	98	204	1,187	470	152.9
Maryland.....	932	373	726	2,090	2,773	-24.6
North Carolina.....	1,026	12	61	1,141	97	1072.8
South Carolina.....	687	37	67	874	166	425.7
Virginia.....	2,158	699	622	5,384	3,355	60.5
West Virginia.....	30	22	33	130	100	29.8
East South Central	13,010	4,803	5,192	29,008	18,352	58.1
Alabama.....	2,844	296	483	4,042	1,318	206.7
Kentucky.....	1,017	107	21	1,630	459	255.3
Mississippi.....	8,717	4,400	4,689	22,905	16,575	38.2
Tennessee.....	432	—	—	432	—	—
West South Central	168,551	111,351	106,118	528,168	430,433	22.7
Arkansas.....	5,479	2,283	576	9,843	2,262	335.2
Louisiana.....	31,812	18,082	25,567	91,123	88,888	2.5
Oklahoma.....	13,893	7,944	6,716	42,896	31,467	36.3
Texas.....	117,366	83,043	73,259	384,306	307,816	24.8
Mountain	10,271	8,867	10,958	38,984	34,492	13.0
Arizona.....	674	1,127	2,742	4,284	4,730	-9.4
Colorado.....	656	586	394	2,490	1,635	52.2
Idaho.....	—	—	—	—	—	—
Montana.....	89	15	7	144	132	9.3
Nevada.....	3,761	3,549	5,219	15,911	15,387	3.4
New Mexico.....	4,948	3,448	2,445	15,208	11,810	28.8
Utah.....	NM	NM	NM	725	764	-5.2
Wyoming.....	6	8	6	223	34	560.0
Pacific Contiguous	13,935	20,472	37,335	107,340	119,338	-10.1
California.....	13,745	18,055	37,246	100,207	118,768	-15.6
Oregon.....	176	2,266	3	6,349	471	1248.0
Washington.....	14	152	86	784	99	689.9
Pacific Noncontiguous	2,411	2,266	2,897	12,219	15,125	-19.2
Alaska.....	2,411	2,266	2,897	12,219	15,125	-19.2
Hawaii.....	—	—	—	—	—	—
U.S. Total	293,378	190,266	231,548	982,403	896,774	9.5

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see the Technical Notes for a detailed discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding.

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

Fossil-Fuel Stocks at U.S. Electric Utilities

Table 21. U.S. Electric Utility Stocks of Coal and Petroleum, 1988 Through May 1998

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)
	Anthracite ¹	Bituminous ²	Lignite	Total	Light	Heavy	Total	
1988	6,561	133,434	6,512	146,507	15,099	54,187	69,285	86
1989	6,403	122,967	6,490	135,860	13,824	47,446	61,270	105
1990	6,499	142,650	7,016	156,166	16,471	67,030	83,501	94
1991	6,513	145,367	5,996	157,876	16,357	58,636	74,993	70
1992	6,215	142,156	5,759	154,130	15,714	56,135	71,849	67
1993	5,639	98,560	7,142	111,341	15,674	46,769	62,443	89
1994	4,879	115,325	6,693	126,897	16,644	46,342	62,986	69
1995	4,325	116,749	5,231	126,304	15,392	35,102	50,495	65
1996								
January	4,243	108,151	5,334	117,728	15,067	34,383	49,451	61
February	4,090	105,817	5,646	115,553	14,495	30,715	45,211	57
March	4,128	107,771	5,579	117,478	13,694	28,915	42,609	53
April	4,080	115,991	5,980	126,051	13,428	31,507	44,935	47
May	4,026	120,977	5,800	130,803	13,521	32,421	45,942	38
June	3,969	117,658	5,487	127,113	14,239	32,110	46,349	64
July	3,911	110,859	5,445	120,215	14,461	31,884	46,345	47
August	3,853	108,638	5,408	117,899	14,651	32,718	47,369	35
September	3,792	110,376	5,305	119,473	14,270	31,487	45,757	27
October	3,765	114,657	5,327	123,749	14,490	33,269	47,758	45
November	3,762	111,365	5,384	120,512	14,600	33,108	47,708	62
December	3,687	105,807	5,129	114,623	15,216	32,473	47,690	91
1997								
January	3,609	98,043	4,969	106,621	14,766	29,742	44,508	136
February	3,544	98,878	5,391	107,813	14,901	31,372	46,273	159
March	3,479	104,650	5,599	113,727	15,226	31,425	46,651	177
April	3,417	109,124	5,723	118,263	14,625	32,534	47,158	221
May	3,374	114,257	5,760	123,391	14,685	33,213	47,898	253
June	3,323	111,761	5,704	120,787	14,824	32,129	46,953	229
July	3,275	100,691	5,725	109,690	14,820	30,990	45,810	308
August	3,228	94,896	5,599	103,724	14,823	30,872	45,694	293
September	3,166	93,456	5,496	102,119	14,832	29,064	43,896	308
October	3,118	93,309	6,009	102,436	15,049	30,115	45,163	439
November	3,075	92,566	5,093	100,735	15,214	32,255	47,469	450
December	3,021	90,905	4,900	98,826	15,456	33,336	48,792	469
1998								
January	2,958	92,425	5,019	100,402	15,908	33,928	49,837	403
February	2,906	96,107	4,890	103,902	15,789	33,898	49,687	358
March	2,846	99,839	4,855	107,540	15,358	31,205	46,563	418
April	2,803	108,085	5,095	115,983	16,051	35,036	51,087	498
May	2,743	111,954	5,382	120,078	14,668	32,936	47,605	501

¹ Anthracite includes anthracite silt stored off-site.

² Bituminous coal includes subbituminous coal.

Notes: •Values for 1998 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1996 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Prior to 1993, values represent December end-of-month stocks. For 1993 forward, values represent end-of-month stocks.

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

Table 22. Electric Utility Stocks of Coal by NERC Region and Hawaii
(Thousand Short Tons)

NERC Region and Hawaii	May 1998	April 1998	May 1997	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	31,146	30,321	29,245	2.7	6.5
ERCOT.....	6,053	5,509	7,420	9.9	-18.4
MAAC.....	8,097	8,087	9,798	.1	-17.4
MAIN.....	13,797	12,784	13,070	7.9	5.6
MAPP (U.S.).....	9,088	8,503	11,044	6.9	-17.7
NPCC (U.S.).....	2,190	2,177	2,136	.6	2.5
SERC.....	20,299	20,541	18,938	-1.2	7.2
FRCC.....	4,180	4,055	3,381	3.1	NM
SPP.....	13,471	13,071	16,404	3.1	-17.9
WSCC (U.S.).....	11,757	10,934	11,954	7.5	-1.6
Contiguous U.S.....	120,078	115,983	123,390	3.5	-2.7
ASCC.....	—	—	1	NM	NM
Hawaii.....	—	—	—	—	—
U.S. Total.....	120,078	115,983	123,391	3.5	-2.7

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •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. •See Glossary for explanation of acronyms.

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

Table 23. Electric Utility Stocks of Petroleum by NERC Region and Hawaii
(Thousand Barrels)

NERC Region and Hawaii	May 1998	April 1998	May 1997	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	1,797	1,961	1,628	-8.4	10.4
ERCOT.....	4,253	4,339	4,073	-2.0	4.4
MAAC.....	4,941	5,854	5,361	-15.6	-7.8
MAIN.....	1,226	1,125	1,506	9.0	-18.6
MAPP (U.S.).....	706	753	617	-6.3	14.4
NPCC (U.S.).....	11,985	11,241	10,853	6.6	10.4
SERC.....	3,526	3,648	3,700	-3.3	-4.7
FRCC.....	7,015	8,079	7,965	-13.2	NM
SPP.....	4,936	5,134	3,740	-3.9	32.0
WSCC (U.S.).....	5,920	7,490	7,080	-21.0	-16.4
Contiguous U.S.....	46,304	49,625	46,523	-6.7	-5
ASCC.....	204	189	277	7.7	-26.6
Hawaii.....	1,097	1,273	1,097	-13.8	*
U.S. Total.....	47,605	51,087	47,898	-6.8	-6

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •Stocks are end-of-month stocks at electric utilities. •See Glossary for explanation of acronyms.

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

Table 24. Electric Utility Stocks of Coal by Census Division and State
(Thousand Short Tons)

Census Division and State	May 1998	April 1998	May 1997	Monthly Difference (percent)	Yearly Difference (percent)
New England	1,130	1,139	1,304	-0.8	-13.4
Connecticut.....	133	101	184	31.9	-27.8
Maine.....	—	—	—	—	—
Massachusetts.....	712	734	789	-3.0	-9.7
New Hampshire.....	285	304	331	-6.4	-13.9
Rhode Island.....	—	—	—	—	—
Vermont.....	—	—	—	—	—
Middle Atlantic	9,664	9,483	10,586	1.9	-8.7
New Jersey.....	631	652	862	-3.3	-26.8
New York.....	798	776	956	2.9	-16.5
Pennsylvania.....	8,235	8,055	8,768	2.2	-6.1
East North Central	32,796	31,697	31,285	3.5	4.8
Illinois.....	7,020	6,715	6,274	4.5	11.9
Indiana.....	7,816	7,550	7,203	3.5	8.5
Michigan.....	8,510	7,894	7,350	7.8	15.8
Ohio.....	5,221	5,733	6,067	-8.9	-13.9
Wisconsin.....	4,229	3,805	4,392	11.1	-3.7
West North Central	15,273	14,549	17,360	5.0	-12.0
Iowa.....	2,211	1,918	3,510	15.3	-37.0
Kansas.....	2,706	2,699	3,269	.2	-17.2
Minnesota.....	1,999	1,885	2,070	6.0	-3.4
Missouri.....	4,601	4,237	4,798	8.6	-4.1
Nebraska.....	1,768	1,792	1,603	-1.3	10.3
North Dakota.....	1,788	1,817	1,963	-1.6	-8.9
South Dakota.....	200	201	149	*	34.5
South Atlantic	22,385	22,386	21,975	*	1.9
Delaware.....	253	323	297	-21.7	-14.6
District of Columbia.....	—	—	—	—	—
Florida.....	4,482	4,306	3,764	4.1	19.1
Georgia.....	3,745	4,175	4,628	-10.3	-19.1
Maryland.....	1,252	1,148	1,446	9.0	-13.4
North Carolina.....	3,862	4,025	3,286	-4.0	17.5
South Carolina.....	2,653	2,530	2,745	4.9	-3.3
Virginia.....	1,309	1,226	1,079	6.8	21.4
West Virginia.....	4,829	4,652	4,732	3.8	2.1
East South Central	12,412	12,141	10,152	2.2	22.3
Alabama.....	3,942	3,950	3,852	-2	2.3
Kentucky.....	5,507	5,305	4,389	3.8	25.5
Mississippi.....	702	754	794	-6.9	-11.6
Tennessee.....	2,262	2,132	1,118	6.1	102.4
West South Central	14,237	13,381	17,898	6.4	-20.5
Arkansas.....	1,502	1,279	2,101	17.4	-28.5
Louisiana.....	1,500	1,468	1,876	2.1	-20.1
Oklahoma.....	3,047	2,872	3,815	6.1	-20.1
Texas.....	8,188	7,761	10,106	5.5	-19.0
Mountain	11,154	10,662	12,006	4.6	-7.1
Arizona.....	1,957	1,569	1,908	24.7	2.6
Colorado.....	2,865	2,817	2,850	1.7	.6
Idaho.....	—	—	—	—	—
Montana.....	447	456	561	-2.1	-20.4
Nevada.....	797	960	1,260	-17.0	-36.8
New Mexico.....	807	803	827	.4	-2.4
Utah.....	2,815	2,782	2,617	1.2	7.5
Wyoming.....	1,466	1,274	1,983	15.1	-26.1
Pacific Contiguous	1,029	545	826	88.7	24.6
California.....	—	—	—	—	—
Oregon.....	272	140	297	93.6	-8.5
Washington.....	757	405	529	87.0	43.3
Pacific Noncontiguous	—	—	1	NM	NM
Alaska.....	—	—	1	NM	NM
Hawaii.....	—	—	—	—	—
U.S. Total	120,078	115,983	123,391	3.5	-2.7

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •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 25. Electric Utility Stocks of Petroleum by Census Division and State
(Thousand Barrels)

Census Division and State	May 1998	April 1998	May 1997	Monthly Difference (percent)	Yearly Difference (percent)
New England.....	5,104	4,569	4,879	11.7	4.6
Connecticut.....	2,284	2,141	2,222	6.7	2.8
Maine.....	621	523	409	18.7	51.8
Massachusetts.....	1,690	1,544	1,658	9.5	2.0
New Hampshire.....	450	305	529	47.8	-14.9
Rhode Island.....	24	25	24	-1.0	.6
Vermont.....	NM	NM	37	6.5	-9.8
Middle Atlantic.....	10,173	10,520	9,608	-3.3	5.9
New Jersey.....	1,456	1,668	1,720	-12.7	-15.4
New York.....	6,878	6,673	5,985	3.1	14.9
Pennsylvania.....	1,839	2,179	1,903	-15.6	-3.4
East North Central.....	2,692	2,782	2,836	-3.3	-5.1
Illinois.....	973	874	1,289	11.4	-24.5
Indiana.....	125	136	97	-8.5	29.4
Michigan.....	942	1,074	787	-12.2	19.7
Ohio.....	389	391	405	-6	-4.0
Wisconsin.....	262	307	258	-14.7	1.5
West North Central.....	1,552	1,555	1,235	-2	25.7
Iowa.....	198	218	128	-9.0	54.8
Kansas.....	587	575	425	2.0	38.1
Minnesota.....	142	158	132	-10.4	6.9
Missouri.....	356	362	309	-1.7	15.2
Nebraska.....	131	89	124	47.0	6.3
North Dakota.....	47	50	31	-6.6	51.0
South Dakota.....	91	102	86	-11.2	5.8
South Atlantic.....	11,511	13,050	12,835	-11.8	-10.3
Delaware.....	275	340	438	-19.2	-37.2
District of Columbia.....	113	116	118	-3.0	-4.8
Florida.....	7,023	8,089	7,969	-13.2	-11.9
Georgia.....	438	575	579	-23.8	-24.4
Maryland.....	1,302	1,590	1,212	-18.1	7.5
North Carolina.....	278	310	368	-10.3	-24.5
South Carolina.....	396	484	312	-18.2	27.1
Virginia.....	1,575	1,412	1,710	11.6	-7.9
West Virginia.....	111	134	130	-17.4	-14.7
East South Central.....	2,261	2,527	1,938	-10.5	16.7
Alabama.....	215	212	187	1.4	15.1
Kentucky.....	201	199	189	1.0	6.6
Mississippi.....	1,279	1,520	1,069	-15.8	19.7
Tennessee.....	566	597	493	-5.1	14.7
West South Central.....	7,124	7,174	6,150	-7	15.8
Arkansas.....	247	260	240	-4.6	3.1
Louisiana.....	1,995	1,938	1,196	2.9	66.8
Oklahoma.....	389	390	371	-2	4.9
Texas.....	4,493	4,587	4,343	-2.1	3.4
Mountain.....	1,014	1,018	916	-4	10.6
Arizona.....	445	442	405	.6	9.9
Colorado.....	160	165	131	-2.9	22.2
Idaho.....	*	*	*	NM	NM
Montana.....	14	16	11	-13.8	20.6
Nevada.....	238	233	233	1.8	2.0
New Mexico.....	74	76	73	-2.5	2.2
Utah.....	48	50	36	-4.6	32.2
Wyoming.....	36	36	27	-1.1	30.4
Pacific Contiguous.....	4,875	6,429	6,126	-24.2	-20.4
California.....	4,625	6,175	5,849	-25.1	-20.9
Oregon.....	193	193	219	-1	-11.7
Washington.....	56	60	58	-7.3	-4.1
Pacific Noncontiguous.....	1,301	1,462	1,375	-11.0	-5.4
Alaska.....	NM	NM	NM	7.8	-26.6
Hawaii.....	1,097	1,273	1,097	-13.8	*
U.S. Total.....	47,605	51,087	47,898	-6.8	-6

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

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Values for 1998 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1997 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •The May 1998 petroleum coke stocks were 500,872 short tons. •Stocks are end-of-month stocks at electric utilities.

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

Receipts and Cost of Fossil Fuels at U.S. Electric Utilities

April 1998 Receipts and Cost Data

At the time of publication, all submissions for the FERC Form 423, "Monthly Report of Cost and Quality of Fuels at Electric Plant," had been received.

**Table 26. U.S. Electric Utility Receipts of and Average Cost for Fossil Fuels,
1988 Through April 1998**

Period	Coal ¹		Petroleum				Gas		All Fossil Fuels ²
	Receipts (thousand short tons)	Cost (cents/ 10 ⁶ Btu)	Heavy Oil ³		Total		Receipts (thousand Mcf)	Cost (cents/ 10 ⁶ Btu)	Cost (cents/ 10 ⁶ Btu)
			Receipts (thousand barrels)	Cost (cents/ 10 ⁶ Btu)	Receipts (thousand barrels)	Cost (cents/ 10 ⁶ Btu)			
1988.....	727,775	146.6	230,234	240.5	236,924	243.9	2,362,721	226.3	164.3
1989.....	753,217	144.5	237,668	284.6	246,422	289.3	2,472,506	235.5	167.5
1990.....	786,627	145.5	202,281	331.9	209,350	338.4	2,490,979	232.1	168.9
1991.....	769,923	144.7	163,106	246.5	169,625	254.8	2,630,818	215.3	160.3
1992.....	775,963	141.2	138,537	247.5	144,390	255.1	2,637,678	232.8	159.0
1993.....	769,152	138.5	141,719	236.2	147,902	243.3	2,574,523	256.0	159.5
1994.....	831,929	135.5	135,184	240.9	142,940	248.8	2,863,904	223.0	152.6
1995.....	826,860	131.8	78,216	258.6	84,292	267.9	3,023,327	198.4	145.3
1996.....									
January.....	67,852	129.1	13,855	332.4	14,540	337.1	155,022	281.0	155.5
February.....	66,620	129.3	6,099	282.5	7,021	300.6	131,688	294.7	148.5
March.....	69,921	130.2	9,031	285.2	9,595	296.8	149,233	268.4	149.0
April.....	70,361	130.8	8,263	309.7	8,724	319.0	160,918	264.6	150.0
May.....	72,158	130.7	5,882	304.4	6,437	317.6	251,461	247.6	151.8
June.....	69,677	129.2	8,825	277.0	9,508	288.2	285,271	255.1	155.1
July.....	75,178	127.8	10,793	276.6	11,380	284.4	346,295	263.9	158.2
August.....	78,545	127.7	10,484	282.5	10,971	290.6	346,542	250.7	154.6
September.....	72,730	127.5	5,538	293.6	5,926	307.1	269,988	219.1	145.3
October.....	75,756	128.9	5,675	331.9	6,407	354.7	217,115	233.8	146.6
November.....	71,375	127.9	6,382	333.3	7,159	354.4	162,258	301.9	151.0
December.....	72,525	127.6	8,098	338.1	8,961	355.2	128,870	393.1	156.1
Total.....	862,701	128.9	98,926	303.4	106,629	315.7	2,604,663	264.1	151.9
1997 ⁴									
January.....	71,929	128.0	8,817	305.7	9,658	321.0	133,720	407.7	157.7
February.....	69,229	129.1	8,959	287.5	9,346	295.3	134,664	311.8	150.6
March.....	72,369	130.0	6,796	267.1	7,157	276.2	185,340	236.0	145.5
April.....	69,815	129.6	6,379	254.9	6,730	264.8	184,908	230.5	144.3
May.....	74,929	128.0	6,476	257.9	6,966	271.2	225,841	247.0	146.6
June.....	70,479	127.9	9,253	262.9	10,010	274.4	278,304	254.3	153.2
July.....	74,065	125.7	10,818	269.9	11,689	280.4	373,646	243.7	154.6
August.....	76,352	125.2	11,049	268.3	11,618	275.5	360,018	252.2	154.0
September.....	75,091	126.3	8,880	274.7	9,332	281.3	313,132	290.5	158.3
October.....	75,593	126.4	10,161	301.6	10,715	309.1	219,342	324.3	157.0
November.....	72,558	126.4	12,218	309.3	12,818	315.4	168,754	342.4	156.4
December.....	78,179	125.2	11,101	265.4	11,750	273.3	187,065	278.4	146.9
Total.....	880,588	127.3	110,906	278.8	117,789	288.0	2,764,734	276.0	152.2
1998 ⁴									
January.....	79,108	125.3	9,569	235.5	10,105	242.4	164,826	274.5	142.8
February.....	70,246	126.1	8,736	206.0	9,255	214.0	122,862	253.3	139.0
March.....	75,647	126.5	10,676	199.3	11,135	204.6	181,096	254.4	142.4
April.....	74,733	126.4	11,749	218.9	12,289	225.0	186,127	259.8	144.7
Total.....	299,733	126.1	40,728	214.9	42,784	221.4	654,911	260.8	142.3
Year-to-Date									
1998 ⁴	299,733	126.1	40,728	214.9	42,784	221.4	654,911	260.8	142.3
1997 ⁴	283,343	129.2	30,950	281.5	32,891	292.4	638,632	286.1	149.5
1996.....	274,755	129.9	37,248	307.7	39,880	317.0	596,862	276.5	150.8

¹ Includes 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 1998 are preliminary. Data for 1997 are final.

Notes: *Totals may not equal sum of components because of independent rounding. *As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. *Mcf=thousand cubic feet. *Monetary values are expressed in nominal terms.

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

Table 27. Electric Utility Receipts of Coal by NERC Region and Hawaii
(Thousand Short Tons)

NERC Region and Hawaii	April 1998 ¹	March 1998 ¹	April 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	18,219	17,453	17,590	70,593	65,741	7.4
ERCOT.....	5,874	5,927	5,049	24,291	24,434	-6
MAAC.....	3,631	3,758	3,874	14,765	15,081	-2.1
MAIN.....	6,366	6,114	6,593	25,455	26,100	-2.5
MAPP (U.S.).....	6,053	6,548	5,344	25,486	23,729	7.4
NPCC (U.S.).....	1,291	1,468	1,389	5,216	5,033	3.6
SERC.....	13,149	13,605	12,771	53,090	50,635	4.8
FRCC.....	2,028	2,093	2,042	8,037	7,994	NM
SPP.....	8,337	8,076	7,167	33,547	30,098	11.5
WSCC (U.S.).....	9,785	10,605	7,997	39,255	34,499	13.8
Contiguous U.S.	74,733	75,647	69,815	299,733	283,343	5.8
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	74,733	75,647	69,815	299,733	283,343	5.8

¹ Data for 1998 are preliminary. Data for 1997 are final.

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •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 28. Average Cost of Coal Delivered to Electric Utilities by NERC Region and Hawaii
(Cents/Million Btu)

NERC Region and Hawaii	April 1998 ¹	March 1998 ¹	April 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	123.6	125.1	124.0	124.7	125.2	-0.4
ERCOT.....	123.7	117.8	130.1	123.4	117.3	5.2
MAAC.....	136.2	134.6	140.1	136.6	142.0	-3.8
MAIN.....	134.4	140.3	136.5	131.9	142.4	-7.3
MAPP (U.S.).....	88.6	87.4	90.7	86.9	88.9	-2.3
NPCC (U.S.).....	154.1	156.2	157.2	156.7	156.1	.4
SERC.....	141.5	141.6	140.5	140.6	141.2	-.4
FRCC.....	165.5	165.5	169.4	167.2	172.2	NM
SPP.....	118.8	117.3	126.1	117.1	124.5	-6.0
WSCC (U.S.).....	109.7	108.4	115.8	109.0	115.0	-5.2
Contiguous U.S.	126.4	126.5	129.6	126.1	129.2	-2.4
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
U.S. Average.....	126.4	126.5	129.6	126.1	129.2	-2.4

¹ Data for 1998 are preliminary. Data for 1997 are final.

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Includes lignite, bituminous coal, subbituminous coal, and anthracite. •Monetary values are expressed in monetary terms.

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

Table 29. Electric Utility Receipts of Petroleum by NERC Region and Hawaii
(Thousand Barrels)

NERC Region and Hawaii	April 1998 ¹	March 1998 ¹	April 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	465	276	166	1,074	801	34.2
ERCOT.....	30	11	20	82	134	-38.8
MAAC.....	617	787	432	2,437	1,672	45.7
MAIN.....	229	16	124	294	528	-44.3
MAPP (U.S.).....	28	12	9	74	77	-3.9
NPCC (U.S.).....	4,861	4,409	3,588	20,148	16,137	24.9
SERC.....	191	181	72	756	728	3.9
FRCC.....	4,356	3,328	1,636	11,793	8,667	NM
SPP.....	458	1,528	56	3,429	1,574	117.9
WSCC (U.S.).....	22	29	21	209	109	92.4
Contiguous U.S.....	11,257	10,575	6,126	40,296	30,427	32.4
ASCC.....	—	—	—	—	—	—
Hawaii.....	1,032	559	605	2,488	2,464	1.0
U.S. Total.....	12,289	11,135	6,730	42,784	32,891	30.1

¹ Data for 1998 are preliminary. Data for 1997 are final.

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

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

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

Table 30. Average Cost of Petroleum Delivered to Electric Utilities by NERC Region and Hawaii
(Cents/Million Btu)

NERC Region and Hawaii	April 1998 ¹	March 1998 ¹	April 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	345.9	334.1	389.0	344.2	436.1	-21.1
ERCOT.....	450.7	312.3	421.7	396.0	500.1	-20.8
MAAC.....	232.3	209.4	243.4	227.2	293.3	-22.5
MAIN.....	245.5	326.4	340.5	264.7	378.4	-30.0
MAPP (U.S.).....	367.8	370.7	440.1	370.2	484.8	-23.6
NPCC (U.S.).....	216.9	193.0	244.9	211.5	274.1	-22.8
SERC.....	272.6	263.8	426.1	266.4	377.9	-29.5
FRCC.....	213.4	186.9	244.3	203.3	261.3	NM
SPP.....	185.2	217.1	359.5	230.9	299.8	-23.0
WSCC (U.S.).....	430.3	456.5	568.5	396.7	568.8	-30.3
Contiguous U.S.....	222.9	201.5	254.9	217.9	283.3	-23.1
ASCC.....	—	—	—	—	—	—
Hawaii.....	248.3	263.4	366.4	279.1	406.1	-31.3
U.S. Average.....	225.0	204.6	264.8	221.4	292.4	-24.3

¹ Data for 1998 are preliminary. Data for 1997 are final.

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

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

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

Table 31. Electric Utility Receipts of Gas by NERC Region and Hawaii
(Million Cubic Feet)

NERC Region and Hawaii	April 1998 ¹	March 1998 ¹	April 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	3,779	3,250	2,075	12,090	8,304	45.6
ERCOT.....	65,509	62,167	45,285	205,285	177,204	15.8
MAAC.....	1,891	1,695	4,261	4,891	14,687	-66.7
MAIN.....	6,046	3,925	5,383	17,516	12,517	39.9
MAPP (U.S.).....	389	309	525	1,487	2,342	-36.5
NPCC (U.S.).....	12,486	13,765	22,912	62,466	76,956	-18.8
SERC.....	1,462	2,301	2,240	6,373	5,031	26.7
FRCC.....	14,300	15,913	24,582	61,357	82,853	NM
SPP.....	50,267	44,812	42,851	155,178	145,317	6.8
WSCC (U.S.).....	28,791	31,670	33,541	123,301	108,322	13.8
Contiguous U.S.	184,920	179,807	183,653	649,942	633,533	2.6
ASCC.....	1,207	1,289	1,255	4,968	5,100	-2.6
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	186,127	181,096	184,908	654,911	638,632	2.5

¹ Data for 1998 are preliminary. Data for 1997 are final.

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

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

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

Table 32. Average Cost of Gas Delivered to Electric Utilities by NERC Region and Hawaii
(Cents/Million Btu)

NERC Region and Hawaii	April 1998 ¹	March 1998 ¹	April 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	265.3	252.4	258.7	261.7	279.4	-6.3
ERCOT.....	248.4	240.5	213.4	245.1	271.7	-9.8
MAAC.....	289.6	319.4	262.1	310.3	306.6	1.2
MAIN.....	252.8	232.6	210.4	235.9	246.1	-4.1
MAPP (U.S.).....	285.5	325.9	243.3	311.0	291.0	6.9
NPCC (U.S.).....	295.8	298.6	248.8	295.6	289.2	2.2
SERC.....	321.4	286.6	248.5	292.6	270.4	8.2
FRCC.....	316.3	290.7	247.3	300.0	298.2	NM
SPP.....	255.9	241.6	214.1	255.2	276.3	-7.6
WSCC (U.S.).....	246.6	261.2	249.3	258.5	319.9	-19.2
Contiguous U.S.	260.3	255.0	231.0	261.4	287.1	-9.0
ASCC.....	174.0	176.8	164.7	176.3	155.9	13.1
Hawaii.....	—	—	—	—	—	—
U.S. Average.....	259.8	254.4	230.5	260.8	286.1	-8.9

¹ Data for 1998 are preliminary. Data for 1997 are final.

NM = This estimated value is not available due to insufficient data or inadequate anticipated data/model performance, information may not be applicable, or the percent difference calculation is not meaningful.

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

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

**Table 33. Electric Utility Receipts of Coal by Type, Census Division, and State,
April 1998**

Census Division and State	Anthracite		Bituminous		Subbituminous		Lignite		Total	
	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)
New England.....	—	—	598	15,213	—	—	—	—	598	15,213
Connecticut.....	—	—	55	1,446	—	—	—	—	55	1,446
Maine.....	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	470	11,863	—	—	—	—	470	11,863
New Hampshire.....	—	—	72	1,904	—	—	—	—	72	1,904
Rhode Island.....	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	42	600	4,430	110,630	—	—	—	—	4,472	111,230
New Jersey.....	—	—	162	4,298	—	—	—	—	162	4,298
New York.....	—	—	693	18,131	—	—	—	—	693	18,131
Pennsylvania.....	42	600	3,575	88,202	—	—	—	—	3,617	88,802
East North Central.....	—	—	10,411	242,966	6,980	123,142	—	—	17,391	366,108
Illinois.....	—	—	1,427	30,976	1,815	31,658	—	—	3,241	62,635
Indiana.....	—	—	3,274	73,166	1,381	24,092	—	—	4,656	97,257
Michigan.....	—	—	1,134	28,662	2,040	37,236	—	—	3,174	65,898
Ohio.....	—	—	4,242	101,673	122	2,119	—	—	4,364	103,792
Wisconsin.....	—	—	334	8,489	1,622	28,037	—	—	1,956	36,526
West North Central.....	—	—	540	12,104	8,034	138,466	1,661	21,775	10,235	172,344
Iowa.....	—	—	123	2,743	1,607	27,071	—	—	1,731	29,814
Kansas.....	—	—	179	3,999	1,255	21,097	—	—	1,435	25,097
Minnesota.....	—	—	—	—	1,285	22,714	—	—	1,285	22,714
Missouri.....	—	—	234	5,308	2,774	48,506	—	—	3,008	53,814
Nebraska.....	—	—	3	54	937	16,042	—	—	940	16,096
North Dakota.....	—	—	—	—	—	—	1,661	21,775	1,661	21,775
South Dakota.....	—	—	—	—	175	3,036	—	—	175	3,036
South Atlantic.....	—	—	12,993	322,468	448	7,845	—	—	13,441	330,313
Delaware.....	—	—	115	2,944	—	—	—	—	115	2,944
District of Columbia.....	—	—	—	—	—	—	—	—	—	—
Florida.....	—	—	2,251	54,859	56	985	—	—	2,308	55,844
Georgia.....	—	—	2,316	57,504	392	6,859	—	—	2,708	64,363
Maryland.....	—	—	842	21,709	—	—	—	—	842	21,709
North Carolina.....	—	—	2,431	59,909	—	—	—	—	2,431	59,909
South Carolina.....	—	—	1,089	28,016	—	—	—	—	1,089	28,016
Virginia.....	—	—	1,079	27,151	—	—	—	—	1,079	27,151
West Virginia.....	—	—	2,869	70,376	—	—	—	—	2,869	70,376
East South Central.....	—	—	6,765	161,029	981	17,360	—	—	7,746	178,388
Alabama.....	—	—	2,034	50,033	448	7,666	—	—	2,482	57,698
Kentucky.....	—	—	3,059	70,384	—	—	—	—	3,059	70,384
Mississippi.....	—	—	189	4,595	250	4,718	—	—	438	9,313
Tennessee.....	—	—	1,484	36,017	283	4,976	—	—	1,767	40,993
West South Central.....	—	—	68	1,436	7,168	122,887	3,830	49,706	11,066	174,029
Arkansas.....	—	—	—	—	1,183	20,478	—	—	1,183	20,478
Louisiana.....	—	—	—	—	739	12,397	224	3,119	963	15,516
Oklahoma.....	—	—	5	134	1,741	30,093	—	—	1,746	30,227
Texas.....	—	—	63	1,302	3,505	59,919	3,606	46,587	7,174	107,808
Mountain.....	—	—	3,074	68,746	6,024	108,051	25	329	9,123	177,126
Arizona.....	—	—	457	10,021	974	18,696	—	—	1,432	28,717
Colorado.....	—	—	549	12,194	989	18,097	—	—	1,539	30,291
Idaho.....	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	884	15,025	25	329	909	15,354
Nevada.....	—	—	355	7,960	—	—	—	—	355	7,960
New Mexico.....	—	—	—	—	1,200	22,264	—	—	1,200	22,264
Utah.....	—	—	1,455	33,324	—	—	—	—	1,455	33,324
Wyoming.....	—	—	257	5,248	1,976	33,969	—	—	2,233	39,217
Pacific Contiguous.....	—	—	*	2	662	11,211	—	—	662	11,213
California.....	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	160	2,788	—	—	160	2,788
Washington.....	—	—	*	2	502	8,423	—	—	502	8,425
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—
U.S. Total.....	42	600	38,878	934,596	30,297	528,961	5,516	71,809	74,733	1,535,966

* 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 electric generating plants with total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1998 are preliminary.

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

Table 34. Receipts and Average Cost of Coal Delivered to Electric Utilities by Census Division and State

Census Division and State	April 1998 Receipts		April 1997 Receipts		Year to Date			
	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) ¹	
					1998	1997	1998	1997
New England	598	15,213	756	19,353	64,804	62,523	169.5	173.3
Connecticut.....	55	1,446	124	3,252	8,750	8,956	183.8	191.8
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	470	11,863	460	11,609	44,416	37,917	168.7	174.2
New Hampshire.....	72	1,904	173	4,492	11,638	15,651	162.0	160.4
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—
Middle Atlantic	4,472	111,230	4,610	114,696	447,156	455,585	138.8	140.7
New Jersey.....	162	4,298	241	6,244	15,117	21,154	164.5	175.5
New York.....	693	18,131	632	16,659	70,274	67,595	144.9	140.1
Pennsylvania.....	3,617	88,802	3,737	91,793	361,766	366,836	136.6	138.8
East North Central	17,391	366,108	17,244	365,491	1,405,982	1,354,965	129.7	133.7
Illinois.....	3,241	62,635	3,364	66,246	257,777	277,549	156.6	168.1
Indiana.....	4,656	97,257	4,465	92,657	397,309	351,067	112.1	117.1
Michigan.....	3,174	65,898	3,101	66,104	197,372	182,947	130.9	134.4
Ohio.....	4,364	103,792	4,311	102,854	422,607	413,279	136.9	132.6
Wisconsin.....	1,956	36,526	2,003	37,630	130,918	130,123	105.3	107.4
West North Central	10,235	172,344	9,080	153,450	728,493	668,540	89.7	92.3
Iowa.....	1,731	29,814	1,258	21,656	109,475	95,305	88.6	90.8
Kansas.....	1,435	25,097	1,319	23,336	107,984	101,734	98.3	103.8
Minnesota.....	1,285	22,714	1,480	26,379	105,895	112,936	111.3	112.2
Missouri.....	3,008	53,814	2,567	45,919	222,873	188,597	91.6	93.6
Nebraska.....	940	16,096	795	13,663	66,812	61,795	58.7	58.7
North Dakota.....	1,661	21,775	1,504	19,782	104,372	97,932	75.5	77.4
South Dakota.....	175	3,036	157	2,716	11,082	10,241	92.8	93.5
South Atlantic	13,441	330,313	12,478	308,941	1,284,325	1,213,522	145.4	148.5
Delaware.....	115	2,944	111	2,929	13,338	13,583	157.0	161.6
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	2,308	55,844	2,252	55,126	219,619	212,732	168.0	176.5
Georgia.....	2,708	64,363	2,357	56,408	236,752	208,072	155.0	159.0
Maryland.....	842	21,709	813	20,987	93,272	85,771	146.5	153.6
North Carolina.....	2,431	59,909	2,155	53,353	230,716	219,518	144.4	144.2
South Carolina.....	1,089	28,016	987	25,451	108,145	99,309	144.8	146.2
Virginia.....	1,079	27,151	1,003	25,191	101,735	103,155	138.7	139.4
West Virginia.....	2,869	70,376	2,798	69,495	280,747	271,382	122.3	123.8
East South Central	7,747	178,388	8,263	191,813	765,677	756,877	124.7	124.6
Alabama.....	2,482	57,698	2,291	53,760	228,398	222,439	155.5	155.6
Kentucky.....	3,059	70,384	3,217	74,108	292,667	284,177	105.2	104.5
Mississippi.....	438	9,313	435	9,184	39,196	38,515	153.1	152.5
Tennessee.....	1,767	40,993	2,321	54,760	205,416	211,746	112.9	114.2
West South Central	11,066	174,029	9,387	147,220	699,723	667,319	128.7	129.3
Arkansas.....	1,183	20,478	881	15,249	73,382	68,184	147.9	167.5
Louisiana.....	963	15,516	1,019	16,313	68,512	66,194	143.3	150.9
Oklahoma.....	1,746	30,227	1,294	22,407	117,520	103,702	92.5	92.9
Texas.....	7,174	107,808	6,193	93,252	440,309	429,239	132.8	128.7
Mountain	9,123	177,126	7,648	149,472	716,750	644,500	107.2	112.7
Arizona.....	1,432	28,717	1,006	20,146	119,801	91,413	134.2	149.3
Colorado.....	1,539	30,291	1,162	23,118	117,597	101,564	99.2	103.1
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	909	15,354	584	9,880	59,808	46,815	71.4	68.2
Nevada.....	355	7,960	304	6,924	56,488	46,078	138.0	147.8
New Mexico.....	1,200	22,264	1,351	24,653	87,920	97,884	130.6	134.7
Utah.....	1,455	33,324	1,426	33,219	120,552	124,035	112.5	113.9
Wyoming.....	2,233	39,217	1,817	31,532	154,583	136,710	77.3	81.8
Pacific Contiguous	662	11,213	349	5,557	41,276	22,863	141.3	181.0
California.....	—	—	—	—	—	—	—	—
Oregon.....	160	2,788	—	—	14,417	2,366	108.9	114.1
Washington.....	502	8,425	349	5,557	26,859	20,497	158.6	188.7
Pacific Noncontiguous	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	74,733	1,535,966	69,815	1,455,994	6,154,185	5,846,694	126.1	129.2

¹ Monetary values are expressed in nominal terms.

Notes: •Data for 1998 are preliminary. Data for 1997 are final. •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •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 35. Receipts and Average Cost of Coal Delivered to Electric Utilities by Type of Purchase, Mining Method, Census Division, and State, April 1998

Census Division and State	Type of Purchase						Type of Mining					
	Contract			Spot			Strip and Auger			Underground		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)
New England	512	167.8	42.80	85	170.7	43.02	223	162.5	41.01	374	171.6	43.92
Connecticut	55	183.9	48.34	—	—	—	50	184.1	48.35	5	181.7	48.22
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	385	166.0	41.87	85	170.7	43.02	173	155.9	38.89	297	173.2	43.94
New Hampshire	72	164.6	43.51	—	—	—	—	—	—	72	164.6	43.51
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	3,742	140.2	35.03	729	124.7	30.30	1,227	125.0	30.20	3,245	142.4	35.79
New Jersey	137	165.1	44.46	25	137.8	33.47	63	165.5	41.64	99	158.6	43.46
New York	572	141.2	37.22	121	147.6	37.06	23	125.6	26.91	671	142.7	37.54
Pennsylvania	3,033	138.8	34.19	583	119.1	28.76	1,141	122.6	29.63	2,475	141.5	35.01
East North Central	13,470	135.5	28.20	3,921	109.8	24.01	12,280	128.2	25.51	5,111	131.9	31.45
Illinois	2,942	165.3	32.00	300	115.7	21.88	2,064	180.1	32.38	1,178	132.7	28.77
Indiana	3,156	113.3	23.46	1,500	98.6	21.00	4,018	105.1	21.53	638	126.9	29.81
Michigan	2,606	133.0	26.99	568	125.6	28.80	2,608	131.7	25.88	566	130.9	33.89
Ohio	3,261	144.8	34.58	1,103	110.2	25.93	1,928	142.5	33.04	2,435	131.4	31.89
Wisconsin	1,506	104.5	18.95	451	121.1	24.76	1,663	99.1	17.27	293	145.4	37.40
West North Central	8,521	91.2	15.26	1,713	86.5	15.05	9,899	88.9	14.79	336	122.0	27.94
Iowa	1,438	94.8	16.31	293	76.9	13.30	1,651	90.2	15.32	79	115.9	25.88
Kansas	1,435	98.6	17.24	—	—	—	1,322	98.1	16.73	113	102.7	23.19
Minnesota	1,249	111.8	19.74	36	123.4	22.95	1,285	112.2	19.83	—	—	—
Missouri	1,971	90.9	16.40	1,037	93.3	16.41	2,865	88.5	15.58	143	139.9	32.83
Nebraska	592	53.4	9.24	348	69.3	11.66	940	59.2	10.14	—	—	—
North Dakota	1,661	76.2	9.99	—	—	—	1,661	76.2	9.99	—	—	—
South Dakota	175	91.6	15.89	—	—	—	175	91.6	15.89	—	—	—
South Atlantic	9,786	145.4	36.19	3,655	141.1	33.51	5,654	145.8	35.03	7,786	143.3	35.77
Delaware	105	164.9	42.27	10	167.8	41.98	61	165.1	41.48	54	165.2	43.11
District of Columbia	—	—	—	—	—	—	—	—	—	—	—	—
Florida	1,595	169.5	41.38	713	150.9	35.80	858	158.9	37.44	1,450	166.7	40.96
Georgia	1,378	154.7	38.76	1,330	147.7	33.14	1,772	146.7	33.81	936	159.7	40.14
Maryland	655	145.6	37.51	187	147.3	38.13	272	145.1	36.55	570	146.3	38.17
North Carolina	1,965	149.6	36.94	466	132.4	32.38	891	144.0	35.24	1,540	147.7	36.54
South Carolina	838	143.1	37.05	251	145.9	36.80	307	150.9	38.37	782	141.0	36.45
Virginia	714	139.4	35.07	366	135.4	34.07	477	140.4	35.60	603	136.2	34.04
West Virginia	2,537	123.6	30.38	333	106.5	25.68	1,017	135.0	32.85	1,852	114.4	28.18
East South Central	5,962	130.3	29.80	1,785	112.5	26.51	3,235	118.6	25.91	4,512	131.0	31.28
Alabama	2,132	163.1	37.54	349	130.3	32.13	1,004	138.8	29.42	1,478	169.5	41.77
Kentucky	1,942	104.7	24.03	1,118	104.3	24.10	1,511	106.6	24.75	1,548	102.6	23.38
Mississippi	385	152.0	32.18	54	133.4	29.03	262	139.7	26.85	176	161.4	39.18
Tennessee	1,503	111.6	25.65	264	117.7	28.77	458	106.5	21.52	1,310	114.4	27.72
West South Central	10,452	130.0	20.32	614	122.8	21.28	11,066	129.6	20.38	—	—	—
Arkansas	1,064	149.6	25.95	119	112.8	19.24	1,183	146.0	25.27	—	—	—
Louisiana	963	146.7	23.63	—	—	—	963	146.7	23.63	—	—	—
Oklahoma	1,746	92.6	16.03	—	—	—	1,746	92.6	16.03	—	—	—
Texas	6,679	135.2	20.07	495	125.1	21.77	7,174	134.4	20.19	—	—	—
Mountain	8,412	109.9	21.38	710	83.9	16.00	7,186	105.8	19.55	1,937	114.2	26.18
Arizona	1,127	147.8	30.17	304	102.2	19.19	1,432	138.8	27.84	—	—	—
Colorado	1,383	103.5	20.51	155	68.9	12.79	1,222	98.9	18.64	316	104.3	23.91
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Montana	909	83.0	14.03	—	—	—	909	83.0	14.03	—	—	—
Nevada	355	181.4	40.65	—	—	—	190	197.3	43.06	165	164.1	37.89
New Mexico	1,200	130.8	24.28	—	—	—	1,200	130.8	24.28	—	—	—
Utah	1,408	111.0	25.38	47	101.1	24.26	—	—	—	1,455	110.7	25.35
Wyoming	2,029	71.7	12.51	204	62.7	11.80	2,233	70.9	12.44	—	—	—
Pacific Contiguous	351	159.9	25.48	311	115.2	20.82	662	137.5	23.29	—	—	—
California	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	160	109.2	19.03	160	109.2	19.03	—	—	—
Washington	351	159.9	25.48	151	121.1	22.71	502	146.9	24.64	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
U. S. Total	61,210	128.5	26.07	13,524	117.8	25.61	51,433	120.7	22.73	23,300	136.3	33.18

¹ Monetary values are expressed in nominal terms.

Notes: *Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1998 are preliminary.

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

Table 36. Receipts and Average Cost of Coal Delivered to Electric Utilities by Sulfur Content, Census Division, and State, April 1998

Census Division and State	0.5% or Less			More than 0.5% up to 1.0%			More than 1.0% up to 1.5%		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)
New England	81	191.0	49.99	422	164.7	41.35	17	163.7	43.17
Connecticut.....	50	184.1	48.35	5	181.7	48.22	—	—	—
Maine.....	—	—	—	—	—	—	—	—	—
Massachusetts.....	31	202.3	52.63	417	164.5	41.27	7	162.1	42.64
New Hampshire.....	—	—	—	—	—	—	10	164.9	43.58
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
Middle Atlantic	31	99.7	14.13	402	154.3	38.43	400	140.8	34.85
New Jersey.....	—	—	—	112	148.4	39.75	—	—	—
New York.....	—	—	—	122	168.6	42.66	13	135.5	35.34
Pennsylvania.....	31	99.7	14.13	169	147.6	34.50	387	141.0	34.83
East North Central	6,521	125.2	22.10	3,678	146.6	33.81	1,234	121.3	27.92
Illinois.....	1,504	183.0	31.95	780	185.0	37.45	65	130.8	26.86
Indiana.....	1,399	97.3	17.03	254	150.8	35.72	868	120.2	26.65
Michigan.....	1,916	123.4	22.54	810	149.7	35.71	142	122.6	32.30
Ohio.....	108	121.6	21.14	1,713	130.4	31.22	114	115.3	29.83
Wisconsin.....	1,595	97.3	16.81	122	135.6	30.33	45	139.8	35.13
West North Central	7,362	88.7	15.36	2,291	90.9	13.62	476	109.2	18.78
Iowa.....	1,541	89.2	15.03	48	121.3	27.22	107	101.8	19.19
Kansas.....	1,389	98.3	17.04	—	—	—	—	—	—
Minnesota.....	721	110.7	19.78	565	114.1	19.88	—	—	—
Missouri.....	2,774	87.7	15.33	99	111.1	24.24	110	144.8	33.99
Nebraska.....	937	58.9	10.09	3	135.0	28.96	—	—	—
North Dakota.....	—	—	—	1,402	73.9	9.58	259	87.9	12.19
South Dakota.....	—	—	—	175	91.6	15.89	—	—	—
South Atlantic	521	147.2	26.12	6,165	150.8	37.45	3,707	146.1	36.56
Delaware.....	—	—	—	98	169.1	43.08	18	143.9	37.57
District of Columbia.....	—	—	—	—	—	—	—	—	—
Florida.....	129	142.8	26.42	768	166.9	41.31	604	170.1	42.66
Georgia.....	392	148.7	26.03	999	160.9	40.23	1,150	144.2	35.64
Maryland.....	—	—	—	376	140.6	35.71	181	150.2	39.35
North Carolina.....	—	—	—	1,946	148.2	36.59	485	139.0	33.98
South Carolina.....	—	—	—	240	155.0	39.92	670	142.0	36.21
Virginia.....	—	—	—	705	139.2	34.85	349	136.6	34.79
West Virginia.....	—	—	—	1,034	142.8	34.80	251	131.9	32.39
East South Central	1,179	119.2	22.14	2,003	160.7	39.62	977	120.0	29.41
Alabama.....	480	120.6	21.14	1,079	189.8	47.14	75	140.1	34.40
Kentucky.....	119	126.6	28.98	706	120.6	29.41	379	110.2	26.49
Mississippi.....	250	140.2	26.49	53	213.4	52.52	92	138.7	33.37
Tennessee.....	330	97.4	17.85	165	121.9	29.97	431	121.1	30.26
West South Central	7,864	136.4	22.84	1,047	135.2	17.95	1,703	86.1	11.76
Arkansas.....	1,183	146.0	25.27	—	—	—	—	—	—
Louisiana.....	739	148.0	24.81	65	127.9	17.38	142	149.2	21.10
Oklahoma.....	1,741	92.5	16.00	—	—	—	—	—	—
Texas.....	4,201	150.6	24.65	982	135.7	17.99	1,561	80.1	10.91
Mountain	4,624	100.1	19.62	4,499	116.2	22.33	—	—	—
Arizona.....	556	148.0	28.90	876	133.2	27.16	—	—	—
Colorado.....	1,379	100.9	19.46	160	95.0	21.98	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—
Montana.....	60	70.9	10.75	849	83.8	14.26	—	—	—
Nevada.....	165	164.1	37.89	190	197.3	43.06	—	—	—
New Mexico.....	—	—	—	1,200	130.8	24.28	—	—	—
Utah.....	1,195	111.1	25.23	260	108.7	25.88	—	—	—
Wyoming.....	1,269	50.4	8.49	964	95.3	17.65	—	—	—
Pacific Contiguous	311	115.2	20.81	351	159.9	25.48	—	—	—
California.....	—	—	—	—	—	—	—	—	—
Oregon.....	160	109.2	19.03	—	—	—	—	—	—
Washington.....	151	121.1	22.70	351	159.9	25.48	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—
U. S. Total	28,493	114.7	20.29	20,859	139.9	30.05	8,515	129.7	28.46

¹ Monetary values are expressed in nominal terms.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1998 are preliminary.

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

Table 36. Receipts and Average Cost of Coal Delivered to Electric Utilities by Sulfur Content, Census Division, and State, April 1998 (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	
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹			
	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)
New England.....	51	166.1	43.77	27	160.0	42.53	—	—	—	168.2	42.83
Connecticut.....	—	—	—	—	—	—	—	—	—	183.9	48.34
Maine.....	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	15	161.5	42.68	—	—	—	—	—	—	166.9	42.08
New Hampshire.....	35	168.0	44.24	27	160.0	42.53	—	—	—	164.6	43.51
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	1,814	134.7	34.37	1,074	122.4	30.81	751	159.0	37.18	137.7	34.25
New Jersey.....	—	—	—	50	190.6	49.41	—	—	—	161.2	42.75
New York.....	368	137.5	36.17	185	135.4	35.89	6	143.9	32.97	142.2	37.19
Pennsylvania.....	1,446	134.0	33.91	839	115.1	28.57	745	159.1	37.22	135.7	33.31
East North Central.....	976	128.8	31.64	2,535	109.6	24.92	2,446	137.2	31.46	129.5	27.25
Illinois.....	59	102.9	21.08	611	105.9	23.06	224	134.3	28.64	160.8	31.07
Indiana.....	245	116.0	25.20	1,227	100.1	22.38	663	107.4	23.92	108.5	22.66
Michigan.....	223	124.0	32.54	43	142.7	32.08	41	132.9	33.90	131.5	27.31
Ohio.....	255	132.8	33.79	655	127.0	30.94	1,518	150.1	35.11	136.2	32.39
Wisconsin.....	195	148.6	39.08	—	—	—	—	—	—	108.7	20.29
West North Central.....	—	—	—	32	108.7	23.92	74	109.7	24.66	90.4	15.22
Iowa.....	—	—	—	28	106.9	23.26	6	114.4	27.66	91.7	15.81
Kansas.....	—	—	—	—	—	—	46	104.7	23.46	98.6	17.24
Minnesota.....	—	—	—	—	—	—	—	—	—	112.2	19.83
Missouri.....	—	—	—	4	119.2	28.29	22	119.0	26.28	91.7	16.40
Nebraska.....	—	—	—	—	—	—	—	—	—	59.2	10.14
North Dakota.....	—	—	—	—	—	—	—	—	—	76.2	9.99
South Dakota.....	—	—	—	—	—	—	—	—	—	91.6	15.89
South Atlantic.....	1,369	128.9	32.07	812	144.3	34.61	866	113.5	28.36	144.3	35.46
Delaware.....	—	—	—	—	—	—	—	—	—	165.1	42.24
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—
Florida.....	67	165.1	40.11	633	157.1	37.21	106	163.5	40.99	163.9	39.65
Georgia.....	167	149.2	36.63	—	—	—	—	—	—	151.4	36.00
Maryland.....	236	152.8	39.67	49	137.6	36.50	—	—	—	145.9	37.65
North Carolina.....	—	—	—	—	—	—	—	—	—	146.4	36.07
South Carolina.....	179	135.3	35.97	—	—	—	—	—	—	143.8	36.99
Virginia.....	25	126.9	30.31	—	—	—	—	—	—	138.1	34.73
West Virginia.....	695	110.0	26.67	130	86.5	21.22	760	106.5	26.60	121.6	29.84
East South Central.....	715	134.6	32.39	1,365	111.4	26.33	1,508	94.0	21.00	126.1	29.04
Alabama.....	361	154.5	37.64	404	120.8	29.59	82	109.0	25.78	158.2	36.78
Kentucky.....	64	97.3	20.88	392	103.6	23.35	1,399	92.7	20.62	104.6	24.06
Mississippi.....	25	140.2	33.59	19	132.7	33.93	—	—	—	149.7	31.80
Tennessee.....	265	114.7	27.87	550	108.7	25.80	27	109.8	26.43	112.6	26.11
West South Central.....	447	137.8	15.42	—	—	—	5	102.2	26.34	129.6	20.38
Arkansas.....	—	—	—	—	—	—	—	—	—	146.0	25.27
Louisiana.....	17	131.0	17.54	—	—	—	—	—	—	146.7	23.63
Oklahoma.....	—	—	—	—	—	—	5	102.2	26.34	92.6	16.03
Texas.....	430	138.1	15.34	—	—	—	—	—	—	134.4	20.19
Mountain.....	—	—	—	—	—	—	—	—	—	107.9	20.96
Arizona.....	—	—	—	—	—	—	—	—	—	138.8	27.84
Colorado.....	—	—	—	—	—	—	—	—	—	100.2	19.73
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	83.0	14.03
Nevada.....	—	—	—	—	—	—	—	—	—	181.4	40.65
New Mexico.....	—	—	—	—	—	—	—	—	—	130.8	24.28
Utah.....	—	—	—	—	—	—	—	—	—	110.7	25.35
Wyoming.....	—	—	—	—	—	—	—	—	—	70.9	12.44
Pacific Contiguous.....	—	—	—	—	—	—	—	—	—	137.5	23.29
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	109.2	19.03
Washington.....	—	—	—	—	—	—	—	—	—	146.9	24.64
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—
U. S. Total.....	5,372	132.5	31.54	5,845	117.7	27.75	5,649	124.7	28.86	126.4	25.99

¹ Monetary values are expressed in nominal terms.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1998 are preliminary.

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

**Table 37. Electric Utility Receipts of Petroleum by Type, Census Division, and State,
April 1998**

Census Division and State	No. 2 Fuel Oil		No. 4 Fuel Oil ¹		No. 5 Fuel Oil ¹		No. 6 Fuel Oil		Total	
	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)
New England	9	53	—	—	—	—	3,070	19,587	3,079	19,641
Connecticut.....	2	11	—	—	—	—	878	5,593	880	5,604
Maine.....	1	8	—	—	—	—	—	—	1	8
Massachusetts.....	3	17	—	—	—	—	2,088	13,323	2,091	13,341
New Hampshire.....	3	17	—	—	—	—	104	671	107	688
Rhode Island.....	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	30	171	*	1	—	—	2,022	12,946	2,052	13,118
New Jersey.....	—	—	*	1	—	—	130	826	130	827
New York.....	2	12	—	—	—	—	1,780	11,400	1,782	11,412
Pennsylvania.....	27	159	—	—	—	—	112	720	139	879
East North Central	150	876	—	—	—	—	468	2,969	618	3,844
Illinois.....	23	132	—	—	—	—	201	1,292	224	1,424
Indiana.....	14	83	—	—	—	—	—	—	14	83
Michigan.....	72	424	—	—	—	—	267	1,676	339	2,100
Ohio.....	38	221	—	—	—	—	—	—	38	221
Wisconsin.....	3	17	—	—	—	—	—	—	3	17
West North Central	40	234	—	—	—	—	19	123	59	356
Iowa.....	15	84	—	—	—	—	—	—	15	84
Kansas.....	3	17	—	—	—	—	—	—	3	17
Minnesota.....	3	16	—	—	—	—	—	—	3	16
Missouri.....	9	54	—	—	—	—	19	123	28	177
Nebraska.....	3	19	—	—	—	—	—	—	3	19
North Dakota.....	7	43	—	—	—	—	—	—	7	43
South Dakota.....	—	—	—	—	—	—	—	—	—	—
South Atlantic	198	1,152	—	—	—	—	4,721	30,241	4,919	31,394
Delaware.....	4	24	—	—	—	—	60	384	64	407
District of Columbia.....	—	—	—	—	—	—	—	—	—	—
Florida.....	68	393	—	—	—	—	4,288	27,487	4,356	27,881
Georgia.....	24	141	—	—	—	—	—	—	24	141
Maryland.....	1	6	—	—	—	—	285	1,822	286	1,828
North Carolina.....	16	94	—	—	—	—	—	—	16	94
South Carolina.....	6	38	—	—	—	—	—	—	6	38
Virginia.....	34	201	—	—	—	—	88	548	122	749
West Virginia.....	44	257	—	—	—	—	—	—	44	257
East South Central	49	288	—	—	—	—	416	2,757	465	3,045
Alabama.....	6	34	—	—	—	—	—	—	6	34
Kentucky.....	29	169	—	—	—	—	—	—	29	169
Mississippi.....	1	7	—	—	—	—	416	2,757	418	2,764
Tennessee.....	13	78	—	—	—	—	—	—	13	78
West South Central	43	252	—	—	—	—	—	—	43	252
Arkansas.....	8	50	—	—	—	—	—	—	8	50
Louisiana.....	5	29	—	—	—	—	—	—	5	29
Oklahoma.....	—	—	—	—	—	—	—	—	—	—
Texas.....	30	174	—	—	—	—	—	—	30	174
Mountain	20	120	—	—	—	—	—	—	20	120
Arizona.....	5	30	—	—	—	—	—	—	5	30
Colorado.....	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—
Montana.....	2	12	—	—	—	—	—	—	2	12
Nevada.....	3	20	—	—	—	—	—	—	3	20
New Mexico.....	2	11	—	—	—	—	—	—	2	11
Utah.....	6	35	—	—	—	—	—	—	6	35
Wyoming.....	2	12	—	—	—	—	—	—	2	12
Pacific Contiguous	1	6	—	—	—	—	—	—	1	6
California.....	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	—
Washington.....	1	6	—	—	—	—	—	—	1	6
Pacific Noncontiguous	—	—	—	—	—	—	1,032	6,425	1,032	6,425
Alaska.....	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	1,032	6,425	1,032	6,425
U.S. Total	540	3,152	*	1	—	—	11,748	75,048	12,289	78,202

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

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

Notes: *Totals may not equal sum of components because of independent rounding. *Totals may include small quantities of jet fuel or kerosene.

*Data are for electric generating plants with total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1998 are preliminary.

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

Table 38. Receipts and Average Cost of Petroleum Delivered to Electric Utilities by Census Division and State

Census Division and State	April 1998 Receipts		April 1997 Receipts		Year to Date			
	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) ¹	
					1998	1997	1998	1997
New England	3,079	19,641	2,910	18,645	93,214	72,940	210.9	270.4
Connecticut.....	880	5,604	932	6,023	33,632	29,902	227.0	293.0
Maine.....	1	8	95	605	4,556	2,569	242.2	275.9
Massachusetts.....	2,091	13,341	1,778	11,343	51,082	37,564	198.1	254.0
New Hampshire.....	107	688	105	673	3,932	2,906	204.3	245.2
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	11	—	376.5	—
Middle Atlantic	2,052	13,118	1,087	6,871	44,215	35,004	216.4	284.8
New Jersey.....	130	827	217	1,355	3,000	1,909	238.9	282.7
New York.....	1,782	11,412	678	4,272	35,162	29,846	213.1	283.0
Pennsylvania.....	139	879	191	1,244	6,054	3,249	224.4	302.9
East North Central	618	3,844	251	1,535	7,274	7,022	318.0	399.6
Illinois.....	224	1,424	119	746	1,681	2,971	256.5	368.1
Indiana.....	14	83	29	168	596	789	349.9	492.7
Michigan.....	339	2,100	76	465	3,883	2,290	330.7	380.8
Ohio.....	38	221	25	147	1,013	722	347.2	460.9
Wisconsin.....	3	17	2	10	100	250	374.3	474.5
West North Central	59	356	43	263	988	918	318.1	411.7
Iowa.....	15	84	3	15	111	197	368.2	452.1
Kansas.....	3	17	26	166	135	256	359.7	326.0
Minnesota.....	3	16	1	3	72	25	399.6	530.3
Missouri.....	28	177	7	43	460	223	260.7	366.9
Nebraska.....	3	19	*	1	54	32	370.6	493.7
North Dakota.....	7	43	6	36	156	186	359.7	510.9
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic	4,919	31,394	1,729	11,104	86,555	65,162	208.7	271.2
Delaware.....	64	407	8	50	632	2,406	248.7	289.0
District of Columbia.....	—	—	—	—	—	17	—	504.7
Florida.....	4,356	27,881	1,638	10,560	75,493	55,622	203.4	261.4
Georgia.....	24	141	13	73	393	311	354.3	487.2
Maryland.....	286	1,828	20	132	5,768	3,068	223.1	296.6
North Carolina.....	16	94	14	80	493	573	349.4	456.2
South Carolina.....	7	38	12	71	151	272	363.9	502.7
Virginia.....	122	749	4	21	3,046	2,289	221.7	291.4
West Virginia.....	44	257	20	118	580	605	393.5	499.1
East South Central	465	3,045	41	242	18,054	8,426	236.6	314.6
Alabama.....	6	34	10	59	176	259	327.5	461.5
Kentucky.....	29	169	16	92	393	364	406.7	522.9
Mississippi.....	418	2,764	4	28	17,317	7,271	230.9	287.9
Tennessee.....	13	78	11	64	167	532	338.8	465.2
West South Central	43	252	43	256	5,173	3,413	243.5	370.2
Arkansas.....	8	50	7	42	135	148	421.2	479.4
Louisiana.....	5	29	10	60	4,423	2,379	219.5	317.3
Oklahoma.....	—	—	—	—	—	30	—	480.5
Texas.....	30	174	27	155	615	855	377.6	494.5
Mountain	20	120	20	116	766	607	448.6	570.1
Arizona.....	5	30	8	44	328	231	472.8	562.7
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	2	12	—	—	36	12	509.8	558.2
Nevada.....	3	20	4	21	86	64	391.9	597.8
New Mexico.....	2	11	3	17	63	69	473.0	605.8
Utah.....	6	35	—	—	104	47	444.3	613.4
Wyoming.....	2	12	6	33	151	185	406.7	546.2
Pacific Contiguous	1	6	1	8	471	26	312.2	540.1
California.....	—	—	—	—	432	—	297.6	—
Oregon.....	—	—	1	8	—	8	—	492.9
Washington.....	1	6	*	*	39	18	473.8	561.0
Pacific Noncontiguous	1,032	6,425	605	3,782	15,554	15,469	279.1	406.1
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	1,032	6,425	605	3,782	15,554	15,469	279.1	406.1
U.S. Total	12,289	78,202	6,730	42,823	272,264	208,987	221.4	292.4

¹ Monetary values are expressed in nominal terms.

* Less than 0.5.

Notes: *Data for 1998 are preliminary. Data for 1997 are final. *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *The April 1998 petroleum coke receipts were 300,964 short tons and the cost was 66.8 cents per million Btu.

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

Table 39. Receipts and Average Cost of Petroleum Delivered to Electric Utilities by Type of Purchase, Census Division, and State, April 1998

Census Division and State	Fuel Oil No. 6 by Type of Purchase						Averaged Cost of Fuel Oils ¹					
	Contract			Spot			No. 2		No. 4-No. 5		No. 6	
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)
	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)
New England.....	1,727	217.9	13.91	1,343	221.5	14.13	343.9	19.96	—	—	219.5	14.00
Connecticut.....	365	237.6	15.18	512	221.2	14.07	351.4	20.42	—	—	228.0	14.53
Maine.....	—	—	—	—	—	—	334.2	19.49	—	—	—	—
Massachusetts.....	1,362	212.6	13.57	726	222.3	14.19	345.3	20.04	—	—	216.0	13.78
New Hampshire.....	—	—	—	104	217.5	13.97	342.4	19.81	—	—	217.5	13.97
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	1,062	218.6	13.96	960	207.9	13.34	350.1	20.30	329.1	19.68	213.5	13.67
New Jersey.....	94	232.0	14.75	36	269.1	17.08	—	—	329.1	19.68	242.2	15.40
New York.....	968	217.3	13.89	812	205.1	13.16	427.1	23.51	—	—	211.7	13.56
Pennsylvania.....	—	—	—	112	208.9	13.43	344.3	20.04	—	—	208.9	13.43
East North Central.....	118	412.9	25.59	350	246.2	15.73	348.4	20.33	—	—	287.3	18.22
Illinois.....	—	—	—	201	231.5	14.89	355.0	20.73	—	—	231.5	14.89
Indiana.....	—	—	—	—	—	—	344.7	19.95	—	—	—	—
Michigan.....	118	412.9	25.59	149	266.3	16.87	348.5	20.45	—	—	330.2	20.72
Ohio.....	—	—	—	—	—	—	344.3	19.92	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	368.2	21.65	—	—	—	—
West North Central.....	—	—	—	19	170.2	11.07	370.8	21.53	—	—	170.2	11.07
Iowa.....	—	—	—	—	—	—	365.3	21.16	—	—	—	—
Kansas.....	—	—	—	—	—	—	366.6	21.28	—	—	—	—
Minnesota.....	—	—	—	—	—	—	386.2	22.28	—	—	—	—
Missouri.....	—	—	—	19	170.2	11.07	381.3	22.13	—	—	170.2	11.07
Nebraska.....	—	—	—	—	—	—	372.6	21.52	—	—	—	—
North Dakota.....	—	—	—	—	—	—	363.9	21.34	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic.....	2,409	221.7	14.18	2,313	202.1	12.96	362.3	21.14	—	—	212.1	13.58
Delaware.....	60	226.7	14.50	—	—	—	351.8	20.46	—	—	226.7	14.50
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	2,063	220.8	14.12	2,225	202.4	13.00	366.2	21.32	—	—	211.2	13.54
Georgia.....	—	—	—	—	—	—	353.1	20.54	—	—	—	—
Maryland.....	285	227.4	14.53	—	—	—	337.3	19.56	—	—	227.4	14.53
North Carolina.....	—	—	—	—	—	—	340.5	19.78	—	—	—	—
South Carolina.....	—	—	—	—	—	—	376.1	21.78	—	—	—	—
Virginia.....	—	—	—	88	194.3	12.08	334.0	19.63	—	—	194.3	12.08
West Virginia.....	—	—	—	—	—	—	391.0	22.86	—	—	—	—
East South Central.....	—	—	—	416	176.1	11.66	392.7	23.03	—	—	176.1	11.66
Alabama.....	—	—	—	—	—	—	351.5	20.44	—	—	—	—
Kentucky.....	—	—	—	—	—	—	430.6	25.27	—	—	—	—
Mississippi.....	—	—	—	416	176.1	11.66	321.6	18.61	—	—	176.1	11.66
Tennessee.....	—	—	—	—	—	—	335.3	19.70	—	—	—	—
West South Central.....	—	—	—	—	—	—	430.2	25.06	—	—	—	—
Arkansas.....	—	—	—	—	—	—	416.7	24.60	—	—	—	—
Louisiana.....	—	—	—	—	—	—	329.1	19.35	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	450.7	26.12	—	—	—	—
Mountain.....	—	—	—	—	—	—	428.3	25.01	—	—	—	—
Arizona.....	—	—	—	—	—	—	442.7	25.68	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	435.4	25.78	—	—	—	—
Nevada.....	—	—	—	—	—	—	408.4	23.81	—	—	—	—
New Mexico.....	—	—	—	—	—	—	469.3	26.81	—	—	—	—
Utah.....	—	—	—	—	—	—	408.2	24.01	—	—	—	—
Wyoming.....	—	—	—	—	—	—	438.6	25.79	—	—	—	—
Pacific Contiguous.....	—	—	—	—	—	—	469.9	27.61	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	469.9	27.61	—	—	—	—
Pacific Noncontiguous.....	1,032	248.3	15.46	—	—	—	—	—	—	—	248.3	15.46
Alaska.....	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	1,032	248.3	15.46	—	—	—	—	—	—	—	248.3	15.46
U. S. Total.....	6,347	227.8	14.49	5,401	208.6	13.39	369.0	21.52	329.1	19.68	218.9	13.99

¹ Monetary values are expressed in nominal terms.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1998 are preliminary.

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

Table 40. Receipts and Average Cost of Heavy Oil Delivered to Electric Utilities by Sulfur Content, Census Division, and State, April 1998

Census Division and State	0.3% or Less			More than 0.3% up to 0.5%			More than 0.5% up to 1.0%		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)
New England.....	121	262.8	16.45	44	244.3	15.43	2,320	217.8	13.92
Connecticut.....	104	254.0	15.91	19	240.9	15.23	755	224.2	14.32
Maine.....	—	—	—	—	—	—	—	—	—
Massachusetts.....	17	316.3	19.74	25	246.9	15.59	1,566	214.7	13.73
New Hampshire.....	—	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	317	228.0	14.57	—	—	—	1,199	216.5	13.88
New Jersey.....	130	242.4	15.40	—	—	—	—	217.3	13.93
New York.....	187	218.1	13.99	—	—	—	1,087	217.3	13.93
Pennsylvania.....	—	—	—	—	—	—	112	208.9	13.43
East North Central.....	—	—	—	13	228.0	13.55	377	307.0	19.47
Illinois.....	—	—	—	—	—	—	201	231.5	14.89
Indiana.....	—	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	13	228.0	13.55	176	395.6	24.68
Ohio.....	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—
West North Central.....	—	—	—	—	—	—	—	—	—
Iowa.....	—	—	—	—	—	—	—	—	—
Kansas.....	—	—	—	—	—	—	—	—	—
Minnesota.....	—	—	—	—	—	—	—	—	—
Missouri.....	—	—	—	—	—	—	—	—	—
Nebraska.....	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—
South Atlantic.....	—	—	—	3	210.1	12.74	1,812	223.8	14.31
Delaware.....	—	—	—	—	—	—	60	226.7	14.50
District of Columbia.....	—	—	—	—	—	—	—	—	—
Florida.....	—	—	—	3	210.1	12.74	1,488	222.7	14.24
Georgia.....	—	—	—	—	—	—	—	—	—
Maryland.....	—	—	—	—	—	—	264	229.4	14.66
North Carolina.....	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—
Virginia.....	—	—	—	—	—	—	—	—	—
West Virginia.....	—	—	—	—	—	—	—	—	—
East South Central.....	—	—	—	—	—	—	—	—	—
Alabama.....	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	—	—	—	—	—	—
Tennessee.....	—	—	—	—	—	—	—	—	—
West South Central.....	—	—	—	—	—	—	—	—	—
Arkansas.....	—	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	—	—	—
Mountain.....	—	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—	—
Pacific Contiguous.....	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous.....	—	—	—	1,032	248.3	15.46	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	1,032	248.3	15.46	—	—	—
U. S. Total.....	437	237.5	15.09	1,092	247.8	15.43	5,709	225.3	14.40

¹ Monetary values are expressed in nominal terms.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Fuel Oil No. 2 has been omitted from this table. •Oil and petroleum are used interchangeably in this report. •Data for 1998 are preliminary.

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

Table 40. Receipts and Average Cost of Heavy Oil Delivered to Electric Utilities by Sulfur Content, Census Division, and State, April 1998 (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	
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹			
	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)
New England.....	389	220.6	14.03	195	204.8	13.05	—	—	—	219.5	14.00
Connecticut.....	—	—	—	—	—	—	—	—	—	228.0	14.53
Maine.....	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	285	221.8	14.06	195	204.8	13.05	—	—	—	216.0	13.78
New Hampshire.....	104	217.5	13.97	—	—	—	—	—	—	217.5	13.97
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	506	197.3	12.60	—	—	—	—	—	—	213.5	13.67
New Jersey.....	—	—	—	—	—	—	—	—	—	242.4	15.40
New York.....	506	197.3	12.60	—	—	—	—	—	—	211.7	13.56
Pennsylvania.....	—	—	—	—	—	—	—	—	—	208.9	13.43
East North Central.....	78	201.8	12.94	—	—	—	—	—	—	287.3	18.22
Illinois.....	—	—	—	—	—	—	—	—	—	231.5	14.89
Indiana.....	—	—	—	—	—	—	—	—	—	—	—
Michigan.....	78	201.8	12.94	—	—	—	—	—	—	330.2	20.72
Ohio.....	—	—	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—	—	—
West North Central.....	17	169.7	10.99	2	173.8	11.61	—	—	—	170.2	11.07
Iowa.....	—	—	—	—	—	—	—	—	—	—	—
Kansas.....	—	—	—	—	—	—	—	—	—	—	—
Minnesota.....	—	—	—	—	—	—	—	—	—	—	—
Missouri.....	17	169.7	10.99	2	173.8	11.61	—	—	—	170.2	11.07
Nebraska.....	—	—	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—
South Atlantic.....	2,097	213.5	13.64	788	182.5	11.82	22	187.3	12.29	212.1	13.58
Delaware.....	—	—	—	—	—	—	—	—	—	226.7	14.50
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—
Florida.....	1,988	214.4	13.71	788	182.5	11.82	22	187.3	12.29	211.2	13.54
Georgia.....	—	—	—	—	—	—	—	—	—	—	—
Maryland.....	21	201.3	12.93	—	—	—	—	—	—	227.4	14.53
North Carolina.....	—	—	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—	—	—
Virginia.....	88	194.3	12.08	—	—	—	—	—	—	194.3	12.08
West Virginia.....	—	—	—	—	—	—	—	—	—	—	—
East South Central.....	—	—	—	416	176.1	11.66	—	—	—	176.1	11.66
Alabama.....	—	—	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	416	176.1	11.66	—	—	—	176.1	11.66
Tennessee.....	—	—	—	—	—	—	—	—	—	—	—
West South Central.....	—	—	—	—	—	—	—	—	—	—	—
Arkansas.....	—	—	—	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	—	—	—	—	—
Mountain.....	—	—	—	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—	—	—	—
Pacific Contiguous.....	—	—	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—	—	248.3	15.46
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	248.3	15.46
U. S. Total.....	3,087	211.2	13.48	1,402	183.6	11.94	22	187.3	12.29	218.9	13.99

¹ Monetary values are expressed in nominal terms.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Fuel Oil No. 2 has been omitted from this table. *Oil and petroleum are used interchangeably in this report. *Data for 1998 are preliminary.

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

**Table 41. Electric Utility Receipts of Gas by Type, Census Division, and State,
April 1998**

Census Division and State	Natural		Blast-Furnace ¹		Refinery		Total	
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)
New England.....	3,420	3,520	—	—	—	—	3,420	3,520
Connecticut.....	223	230	—	—	—	—	223	230
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	1,585	1,636	—	—	—	—	1,585	1,636
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	1,606	1,648	—	—	—	—	1,606	1,648
Vermont.....	6	6	—	—	—	—	6	6
Middle Atlantic.....	10,272	10,562	—	—	—	—	10,272	10,562
New Jersey.....	984	1,018	—	—	—	—	984	1,018
New York.....	9,066	9,315	—	—	—	—	9,066	9,315
Pennsylvania.....	222	229	—	—	—	—	222	229
East North Central.....	7,847	7,970	1,834	241	—	—	9,681	8,211
Illinois.....	5,755	5,854	—	—	—	—	5,755	5,854
Indiana.....	140	143	—	—	—	—	140	143
Michigan.....	1,665	1,682	1,834	241	—	—	3,499	1,923
Ohio.....	51	52	—	—	—	—	51	52
Wisconsin.....	237	239	—	—	—	—	237	239
West North Central.....	1,206	1,211	—	—	—	—	1,206	1,211
Iowa.....	223	224	—	—	—	—	223	224
Kansas.....	633	637	—	—	—	—	633	637
Minnesota.....	30	31	—	—	—	—	30	31
Missouri.....	203	205	—	—	—	—	203	205
Nebraska.....	116	114	—	—	—	—	116	114
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic.....	15,666	16,425	—	—	27	31	15,693	16,456
Delaware.....	549	524	—	—	—	—	549	524
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	14,360	15,109	—	—	—	—	14,360	15,109
Georgia.....	36	37	—	—	—	—	36	37
Maryland.....	145	152	—	—	—	—	145	152
North Carolina.....	10	10	—	—	—	—	10	10
South Carolina.....	16	16	—	—	—	—	16	16
Virginia.....	550	577	—	—	27	31	577	608
West Virginia.....	—	—	—	—	—	—	—	—
East South Central.....	2,777	2,869	—	—	—	—	2,777	2,869
Alabama.....	152	158	—	—	—	—	152	158
Kentucky.....	81	83	—	—	—	—	81	83
Mississippi.....	2,545	2,628	—	—	—	—	2,545	2,628
Tennessee.....	—	—	—	—	—	—	—	—
West South Central.....	112,110	114,474	—	—	—	—	112,110	114,474
Arkansas.....	1,753	1,797	—	—	—	—	1,753	1,797
Louisiana.....	16,047	16,633	—	—	—	—	16,047	16,633
Oklahoma.....	8,870	9,106	—	—	—	—	8,870	9,106
Texas.....	85,441	86,939	—	—	—	—	85,441	86,939
Mountain.....	8,847	8,983	—	—	—	—	8,847	8,983
Arizona.....	1,057	1,063	—	—	—	—	1,057	1,063
Colorado.....	185	183	—	—	—	—	185	183
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	13	14	—	—	—	—	13	14
Nevada.....	3,774	3,862	—	—	—	—	3,774	3,862
New Mexico.....	3,810	3,853	—	—	—	—	3,810	3,853
Utah.....	—	—	—	—	—	—	—	—
Wyoming.....	8	8	—	—	—	—	8	8
Pacific Contiguous.....	20,377	20,688	—	—	—	—	20,377	20,688
California.....	18,128	18,414	—	—	—	—	18,128	18,414
Oregon.....	2,249	2,274	—	—	—	—	2,249	2,274
Washington.....	*	*	—	—	—	—	*	*
Pacific Noncontiguous.....	1,743	1,744	—	—	—	—	1,743	1,744
Alaska.....	1,743	1,744	—	—	—	—	1,743	1,744
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total.....	184,266	188,446	1,834	241	27	31	186,127	188,719

¹ Includes coke oven gas.

* 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 electric generating plants with total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1998 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 42. Receipts and Average Cost of Gas Delivered to Electric Utilities by Census Division and State

Census Division and State	April 1998 Receipts		April 1997 Receipts		Year to Date			
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) ¹	
					1998	1997	1998	1997
New England	3,420	3,520	10,989	11,289	16,955	31,645	318.0	292.4
Connecticut.....	223	230	1,364	1,380	1,872	3,544	265.6	256.1
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	1,585	1,636	6,631	6,838	7,030	16,905	323.9	288.5
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	1,606	1,648	2,991	3,068	7,930	11,189	325.7	309.7
Vermont.....	6	6	3	3	123	8	287.9	270.1
Middle Atlantic	10,272	10,562	13,409	13,741	50,516	53,203	288.4	288.5
New Jersey.....	984	1,018	1,375	1,420	2,238	4,915	286.3	299.5
New York.....	9,066	9,315	11,923	12,206	47,310	47,367	287.5	287.1
Pennsylvania.....	222	229	111	114	967	921	335.5	300.1
East North Central	9,681	8,211	7,419	6,086	22,756	15,151	239.4	249.1
Illinois.....	5,755	5,854	5,104	5,182	17,002	11,396	233.9	237.2
Indiana.....	140	143	109	111	516	531	322.1	338.9
Michigan.....	3,499	1,923	1,935	519	4,203	1,942	234.2	236.3
Ohio.....	51	52	20	21	273	135	356.4	413.2
Wisconsin.....	237	239	252	253	763	1,146	291.0	328.0
West North Central	1,206	1,211	1,240	1,232	4,232	4,299	270.7	284.6
Iowa.....	223	224	197	198	1,077	889	323.0	364.2
Kansas.....	633	637	654	646	2,403	1,820	252.1	270.5
Minnesota.....	30	31	220	222	87	1,103	266.1	227.7
Missouri.....	203	205	95	93	467	288	256.8	368.5
Nebraska.....	116	114	73	73	197	199	246.8	251.6
North Dakota.....	—	—	*	*	*	1	323.5	291.1
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic	15,693	16,456	28,890	30,109	69,719	98,404	302.6	298.5
Delaware.....	549	524	1,843	1,901	1,296	8,113	332.5	307.1
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	14,360	15,109	24,633	25,685	64,416	86,138	300.0	298.2
Georgia.....	36	37	57	59	143	91	220.4	267.3
Maryland.....	145	152	941	977	534	1,281	322.8	340.8
North Carolina.....	10	10	3	3	104	3	380.9	313.8
South Carolina.....	16	16	12	12	39	30	346.2	489.7
Virginia.....	577	608	1,373	1,443	3,160	2,656	339.9	259.4
West Virginia.....	—	—	29	29	28	91	558.9	353.9
East South Central	2,777	2,869	910	951	5,830	4,058	252.3	282.2
Alabama.....	152	158	92	97	576	420	253.2	271.4
Kentucky.....	81	83	23	24	294	270	402.0	358.3
Mississippi.....	2,545	2,628	795	830	4,961	3,368	243.3	277.4
Tennessee.....	—	—	—	—	—	—	—	—
West South Central	112,110	114,474	86,956	88,946	363,539	326,973	249.2	274.2
Arkansas.....	1,753	1,797	444	474	3,102	1,898	236.2	299.5
Louisiana.....	16,047	16,633	18,176	18,779	54,982	64,181	248.7	273.4
Oklahoma.....	8,870	9,106	6,958	7,158	31,498	26,328	308.3	327.6
Texas.....	85,441	86,939	61,378	62,535	273,958	234,565	242.6	268.2
Mountain	8,847	8,983	7,610	7,728	28,168	24,361	237.1	247.2
Arizona.....	1,057	1,063	658	665	3,421	1,941	279.3	406.0
Colorado.....	185	183	94	97	686	509	274.6	316.0
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	13	14	7	7	26	39	370.9	425.7
Nevada.....	3,774	3,862	4,289	4,386	13,365	12,518	223.9	204.8
New Mexico.....	3,810	3,853	2,557	2,566	10,646	9,324	236.6	262.8
Utah.....	—	—	—	—	—	—	—	—
Wyoming.....	8	8	6	7	25	29	623.9	1,457.7
Pacific Contiguous	20,377	20,688	25,540	26,071	94,759	82,592	267.5	344.5
California.....	18,128	18,414	25,484	26,015	88,450	81,993	278.0	344.9
Oregon.....	2,249	2,274	56	56	6,307	586	120.6	169.3
Washington.....	*	*	*	*	2	12	325.9	5,742.6
Pacific Noncontiguous	1,743	1,744	1,945	1,945	7,216	7,765	185.3	163.6
Alaska.....	1,743	1,744	1,945	1,945	7,216	7,765	185.3	163.6
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	186,127	188,719	184,908	188,099	663,691	648,452	260.8	286.1

¹ Monetary values are expressed in nominal terms.

* Less than 0.5.

Notes: •Data for 1998 are preliminary. Data for 1997 are final. •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •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 43. Receipts and Average Cost of Gas Delivered to Electric Utilities by Type of Purchase, Census Division, and State, April 1998

Census Division and State	Firm Gas			Interruptible Gas			Spot Gas			Total Gas		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)
New England	2,889	352.3	3.62	402	268.9	2.78	129	292.1	2.99	3,420	340.2	3.50
Connecticut.....	—	—	—	223	262.4	2.70	—	—	—	223	262.4	2.70
Maine.....	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	1,385	366.3	3.78	179	277.0	2.88	21	265.8	2.72	1,585	354.8	3.66
New Hampshire.....	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island.....	1,505	339.3	3.48	—	—	—	102	296.9	3.05	1,606	336.6	3.45
Vermont.....	—	—	—	—	—	—	6	303.6	3.08	6	303.6	3.08
Middle Atlantic	1,003	483.9	4.92	5,098	265.4	2.73	4,171	266.6	2.74	10,272	286.9	2.95
New Jersey.....	—	—	—	984	295.0	3.05	*	470.8	4.90	984	295.0	3.05
New York.....	790	456.5	4.62	4,105	258.0	2.66	4,171	266.6	2.74	9,066	279.0	2.87
Pennsylvania.....	213	583.3	6.02	9	397.8	3.98	—	—	—	222	576.3	5.94
East North Central	35	310.2	3.17	3,887	257.7	1.54	5,759	251.9	2.56	9,681	253.8	2.15
Illinois.....	19	325.2	3.32	111	278.2	2.84	5,624	250.2	2.55	5,755	251.0	2.55
Indiana.....	—	—	—	140	329.7	3.37	—	—	—	140	329.7	3.37
Michigan.....	1	445.4	4.45	3,398	243.8	1.31	100	283.0	2.83	3,499	245.9	1.35
Ohio.....	15	285.6	2.92	*	547.0	5.47	35	437.8	4.48	51	392.2	4.01
Wisconsin.....	—	—	—	237	310.5	3.14	—	—	—	237	310.5	3.14
West North Central	20	345.7	3.47	1,166	250.2	2.51	20	272.4	2.68	1,206	252.2	2.53
Iowa.....	12	411.1	4.16	211	306.9	3.08	—	—	—	223	312.6	3.14
Kansas.....	5	266.0	2.61	627	238.2	2.40	1	383.3	3.83	633	238.7	2.40
Minnesota.....	—	—	—	30	270.6	2.76	—	—	—	30	270.6	2.76
Missouri.....	—	—	—	185	252.5	2.56	18	265.2	2.60	203	253.6	2.56
Nebraska.....	3	226.0	2.26	113	200.3	1.97	—	—	—	116	201.1	1.98
North Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	13,901	312.8	3.28	1,181	282.6	2.94	611	413.9	4.36	15,693	314.5	3.30
Delaware.....	549	147.3	1.41	—	—	—	—	—	—	549	147.3	1.41
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	13,352	318.9	3.36	974	279.3	2.91	34	250.0	2.63	14,360	316.1	3.33
Georgia.....	—	—	—	36	189.1	1.94	—	—	—	36	189.1	1.94
Maryland.....	—	—	—	145	318.9	3.33	—	—	—	145	318.9	3.33
North Carolina.....	—	—	—	10	324.3	3.37	—	—	—	10	324.3	3.37
South Carolina.....	—	—	—	16	336.3	3.44	—	—	—	16	336.3	3.44
Virginia.....	—	—	—	—	—	—	577	423.6	4.46	577	423.6	4.46
West Virginia.....	—	—	—	—	—	—	—	—	—	—	—	—
East South Central	135	242.6	2.51	766	253.0	2.62	1,876	258.0	2.66	2,777	255.8	2.64
Alabama.....	—	—	—	152	258.8	2.69	—	—	—	152	258.8	2.69
Kentucky.....	—	—	—	3	331.0	3.31	78	518.4	5.31	81	512.5	5.25
Mississippi.....	135	242.6	2.51	611	251.2	2.61	1,798	246.7	2.54	2,545	247.6	2.56
Tennessee.....	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	56,864	260.2	2.65	6,193	233.9	2.38	49,053	244.1	2.50	112,110	251.7	2.57
Arkansas.....	173	178.2	1.99	—	—	—	1,580	258.7	2.63	1,753	250.1	2.56
Louisiana.....	7,156	268.8	2.78	1,572	247.3	2.59	7,319	247.6	2.57	16,047	257.0	2.66
Oklahoma.....	6,212	290.8	2.99	1,206	247.4	2.53	1,451	266.9	2.72	8,870	281.0	2.88
Texas.....	43,323	254.7	2.59	3,415	222.6	2.24	38,703	241.9	2.47	85,441	247.6	2.52
Mountain	2,248	251.9	2.53	5,076	224.8	2.29	1,524	263.8	2.68	8,847	238.4	2.42
Arizona.....	740	256.0	2.57	267	352.9	3.55	50	255.1	2.59	1,057	280.4	2.82
Colorado.....	185	255.2	2.53	—	—	—	—	—	—	185	255.2	2.53
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	13	131.7	1.35	*	886.9	10.09	—	—	—	13	136.3	1.40
Nevada.....	—	—	—	2,301	200.9	2.07	1,474	264.1	2.68	3,774	225.4	2.31
New Mexico.....	1,302	249.1	2.51	2,508	233.6	2.37	—	—	—	3,810	238.9	2.42
Utah.....	—	—	—	—	—	—	—	—	—	—	—	—
Wyoming.....	8	456.7	4.77	—	—	—	—	—	—	8	456.7	4.77
Pacific Contiguous	1,758	178.9	1.80	3,640	292.3	2.94	14,979	251.4	2.56	20,377	252.5	2.56
California.....	1,153	209.1	2.09	3,640	292.3	2.94	13,334	265.2	2.71	18,128	267.1	2.71
Oregon.....	605	122.0	1.23	—	—	—	1,644	138.8	1.40	2,249	134.3	1.36
Washington.....	—	—	—	*	531.0	5.59	—	—	—	*	531.0	5.59
Pacific Noncontiguous	1,743	183.8	1.84	—	—	—	—	—	—	1,743	183.8	1.84
Alaska.....	1,743	183.8	1.84	—	—	—	—	—	—	1,743	183.8	1.84
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—	—
U. S. Total	80,597	272.0	2.79	27,409	252.7	2.43	78,121	249.4	2.55	186,127	259.8	2.63

¹ Monetary values are expressed in nominal terms.

* = Less than 0.05.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1998 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."

U.S. Electric Utility Sales, Revenue, and Average Revenue per Kilowatthour

Table 44. U.S. Electric Utility Retail Sales of Electricity by Sector, 1988 Through May 1998
(Million Kilowatthours)

Period	Residential	Commercial	Industrial	Other ¹	All Sectors
1988.....	892,866	699,100	896,498	89,598	2,578,062
1989.....	905,525	725,861	925,659	89,765	2,646,809
1990.....	924,019	751,027	945,522	91,988	2,712,555
1991.....	955,417	765,664	946,583	94,339	2,762,003
1992.....	935,939	761,271	972,714	93,442	2,763,365
1993.....	994,781	794,573	977,164	94,944	2,861,462
1994.....	1,008,482	820,269	1,007,981	97,830	2,934,563
1995.....	1,042,501	862,685	1,012,693	95,407	3,013,287
1996					
January.....	108,619	72,499	82,610	8,173	271,901
February.....	96,116	69,524	82,245	7,956	255,841
March.....	87,038	69,328	84,610	7,776	248,752
April.....	74,613	65,961	81,902	7,590	230,065
May.....	74,537	70,619	86,376	7,855	239,386
June.....	90,945	78,244	88,245	8,195	265,629
July.....	106,124	82,882	88,318	8,367	285,690
August.....	105,556	84,927	90,513	8,597	289,592
September.....	91,584	79,093	88,113	8,955	267,744
October.....	75,377	73,076	88,358	8,140	244,951
November.....	78,253	69,526	84,862	7,879	240,520
December.....	93,729	71,746	84,205	8,058	257,738
Total.....	1,082,491	887,425	1,030,356	97,539	3,097,810
1997					
January.....	105,713	75,289	83,506	8,138	272,646
February.....	89,890	69,385	81,306	7,805	248,385
March.....	81,094	69,779	82,774	7,508	241,155
April.....	72,450	68,630	83,840	7,507	232,427
May.....	70,493	70,237	86,049	7,624	234,403
June.....	83,249	78,713	88,794	8,094	258,851
July.....	108,895	87,625	88,171	8,699	293,389
August.....	106,543	85,386	90,983	8,634	291,546
September.....	94,422	82,986	89,714	8,866	275,988
October.....	83,784	79,181	88,622	8,648	260,235
November.....	79,672	71,580	84,885	7,990	244,127
December.....	95,365	74,492	83,894	7,991	261,742
Total.....	1,071,569	913,283	1,032,538	97,504	3,114,894
1998					
January.....	102,797	74,908	83,370	8,270	269,345
February.....	86,837	69,979	83,498	7,515	247,828
March.....	86,119	72,507	85,357	7,896	251,879
April.....	74,268	70,710	85,153	7,757	237,888
May.....	77,650	75,964	90,268	8,046	251,927
Year to Date					
1998.....	427,671	364,067	427,646	39,484	1,258,868
1997.....	419,639	353,319	417,475	38,582	1,229,015
1996.....	440,923	347,931	417,743	39,349	1,245,946

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

Notes: •Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1997 have been revised and are preliminary. Values for 1996 and prior years are final. •Values for 1996 in the commercial and industrial sectors for Maryland, the South Atlantic Census Division, and the U.S. Total reflect an electric utility's reclassification for this information by Standard Industrial Classification Code (SIC). •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," and Form EIA-861, "Annual Electric Utility Report."

Table 45. Estimated U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, May 1998 and 1997
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997
New England	2,758	2,713	3,493	3,234	2,183	2,131	97	102	8,531	8,179
Connecticut.....	770	747	949	857	501	482	19	27	2,239	2,113
Maine.....	274	286	258	249	365	407	5	5	902	947
Massachusetts.....	1,154	1,123	1,695	1,560	857	799	45	42	3,751	3,525
New Hampshire.....	246	241	253	246	206	199	11	11	716	697
Rhode Island.....	176	170	205	192	120	120	14	13	514	494
Vermont.....	137	146	134	130	135	125	3	3	409	404
Middle Atlantic	7,640	7,170	9,438	8,983	7,160	7,120	1,135	1,104	25,372	24,376
New Jersey.....	1,765	1,401	2,536	2,246	1,193	1,156	35	37	5,529	4,840
New York.....	2,768	2,865	4,125	4,048	2,147	2,103	1,003	961	10,042	9,978
Pennsylvania.....	3,107	2,904	2,776	2,688	3,820	3,860	97	106	9,801	9,558
East North Central	11,864	10,152	12,672	10,666	19,381	18,125	1,261	1,190	45,177	40,133
Illinois.....	2,936	2,334	3,645	2,797	4,026	3,412	741	665	11,348	9,208
Indiana.....	1,751	1,623	1,536	1,327	3,916	3,535	39	37	7,242	6,523
Michigan.....	2,228	2,020	2,918	2,561	3,112	2,998	60	59	8,318	7,638
Ohio.....	3,488	2,899	3,250	2,751	6,201	6,170	362	374	13,301	12,194
Wisconsin.....	1,461	1,276	1,324	1,231	2,124	2,009	59	54	4,968	4,570
West North Central	6,148	4,960	5,484	4,632	6,765	6,367	418	408	18,815	16,366
Iowa.....	841	756	625	545	1,341	1,252	113	102	2,919	2,654
Kansas.....	837	650	967	847	878	788	29	32	2,712	2,317
Minnesota.....	1,246	1,131	875	726	2,322	2,283	58	55	4,500	4,194
Missouri.....	2,243	1,492	2,107	1,735	1,351	1,210	79	76	5,779	4,513
Nebraska.....	550	491	545	483	575	527	75	87	1,745	1,588
North Dakota.....	207	210	193	136	147	149	34	35	581	529
South Dakota.....	225	231	172	160	152	157	30	22	579	570
South Atlantic	18,652	16,891	17,114	15,724	14,525	13,646	1,723	1,558	52,015	47,818
Delaware.....	209	201	238	220	327	295	4	5	779	721
District of Columbia.....	106	101	708	596	19	21	30	28	862	746
Florida.....	6,818	6,301	5,445	5,065	1,535	1,473	466	445	14,264	13,284
Georgia.....	3,113	2,414	2,437	2,322	3,246	2,856	104	105	8,900	7,697
Maryland.....	1,477	1,449	1,862	1,765	873	825	62	56	4,273	4,095
North Carolina.....	2,582	2,548	2,542	2,358	3,164	2,851	163	151	8,450	7,909
South Carolina.....	1,363	1,292	1,221	1,131	2,656	2,610	70	65	5,310	5,098
Virginia.....	2,322	1,984	2,156	1,829	1,747	1,781	818	695	7,043	6,289
West Virginia.....	663	601	506	437	958	935	7	7	2,135	1,979
East South Central	6,597	5,740	3,957	3,453	11,367	11,187	455	417	22,376	20,797
Alabama.....	1,949	1,593	1,354	1,145	3,161	2,933	50	51	6,513	5,722
Kentucky.....	1,412	1,287	967	809	3,314	3,704	269	231	5,962	6,031
Mississippi.....	1,021	883	753	639	1,390	1,331	53	52	3,217	2,905
Tennessee.....	2,215	1,976	884	860	3,502	3,218	83	84	6,684	6,139
West South Central	10,646	8,969	9,018	8,033	13,302	12,729	1,650	1,416	34,615	31,146
Arkansas.....	850	742	618	536	1,267	1,158	52	47	2,787	2,483
Louisiana.....	1,793	1,485	1,361	1,209	2,515	2,750	224	206	5,893	5,651
Oklahoma.....	1,245	1,026	1,036	900	1,118	1,059	270	187	3,669	3,173
Texas.....	6,758	5,715	6,003	5,388	8,402	7,761	1,103	975	22,266	19,839
Mountain	4,246	4,718	5,155	5,120	5,735	5,087	601	753	15,737	15,678
Arizona.....	1,322	1,512	1,493	1,469	1,097	1,108	200	235	4,111	4,324
Colorado.....	913	918	1,198	1,127	787	374	71	103	2,969	2,522
Idaho.....	423	463	543	592	693	676	26	31	1,685	1,762
Montana.....	252	265	276	254	579	410	25	21	1,131	951
Nevada.....	494	681	466	493	892	876	76	76	1,928	2,125
New Mexico.....	317	326	438	444	506	503	116	129	1,378	1,402
Utah.....	387	398	551	528	609	604	63	114	1,610	1,643
Wyoming.....	138	156	191	213	572	537	24	44	926	949
Pacific Contiguous	8,753	8,839	9,226	9,982	9,468	9,276	687	661	28,136	28,758
California.....	5,169	5,334	6,367	7,230	4,658	5,301	357	335	16,552	18,199
Oregon.....	1,209	1,197	1,093	1,093	1,397	1,408	51	53	3,750	3,752
Washington.....	2,375	2,308	1,767	1,659	3,413	2,567	280	273	7,834	6,807
Pacific Noncontiguous	345	342	406	411	383	381	19	16	1,153	1,150
Alaska.....	127	128	179	178	73	68	14	11	393	385
Hawaii.....	218	214	227	233	310	314	5	5	760	765
U.S. Total	77,650	70,493	75,964	70,237	90,268	86,049	8,046	7,624	251,927	234,403

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

Notes: *Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1997 have been revised and are preliminary. *Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. *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 46. Estimated Coefficients of Variation for U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division and State, May 1998
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.6	0.6	0.7	2.9	0.6
Connecticut.....	.1	.2	.4	8.6	.1
Maine.....	.3	.1	2.8	1.0	1.0
Massachusetts.....	1.4	1.2	1.2	5.2	1.2
New Hampshire.....	1.3	.5	2.0	.3	1.3
Rhode Island.....	.3	.0	.1	1.0	.2
Vermont.....	1.8	.3	2.6	9.2	.9
Middle Atlantic	2.4	.5	.6	1.2	.9
New Jersey.....	1.8	.5	1.0	1.0	.7
New York.....	.9	.2	.3	1.3	.5
Pennsylvania.....	5.8	1.5	1.2	2.4	2.1
East North Central	2.3	2.3	1.9	1.6	1.7
Illinois.....	7.1	7.6	5.3	1.5	6.2
Indiana.....	5.4	2.6	.7	5.5	2.1
Michigan.....	.7	2.9	8.4	4.9	1.7
Ohio.....	4.0	.5	2.0	4.6	1.2
Wisconsin.....	2.2	.8	.7	6.1	.5
West North Central	1.8	1.1	.7	4.4	.5
Iowa.....	5.4	3.7	.7	1.3	1.7
Kansas.....	1.9	2.9	2.0	2.2	1.4
Minnesota.....	1.1	4.9	1.6	7.7	.5
Missouri.....	4.4	.8	1.2	.8	1.1
Nebraska.....	3.7	3.2	1.0	23.5	2.5
North Dakota.....	1.9	2.5	4.3	4.6	1.3
South Dakota.....	2.3	2.0	2.8	11.1	2.0
South Atlantic	.7	.7	.6	.4	.5
Delaware.....	.6	.1	.1	1.4	.3
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	1.2	1.4	1.1	1.0	.8
Georgia.....	3.4	2.2	.4	3.1	1.1
Maryland.....	.9	1.0	.5	1.0	1.1
North Carolina.....	1.2	2.4	1.8	1.7	1.8
South Carolina.....	.3	.9	2.4	2.1	2.0
Virginia.....	.7	.1	.5	.3	.4
West Virginia.....	.8	.4	.1	8.8	.1
East South Central	2.1	1.3	1.4	1.8	1.5
Alabama.....	5.3	1.5	3.3	1.8	3.7
Kentucky.....	4.8	.9	2.6	.5	2.1
Mississippi.....	5.2	5.3	2.4	1.8	4.3
Tennessee.....	2.0	2.4	1.9	9.6	1.8
West South Central	1.8	.7	.8	1.6	1.0
Arkansas.....	5.4	4.2	1.9	4.9	3.6
Louisiana.....	5.6	2.8	2.9	3.6	3.4
Oklahoma.....	5.3	4.3	1.4	6.9	3.7
Texas.....	2.0	.3	.8	1.4	1.0
Mountain	.3	.4	.5	2.8	.4
Arizona.....	.2	.2	1.4	4.0	.4
Colorado.....	.2	.6	.2	9.1	.8
Idaho.....	.4	.9	1.3	10.1	1.2
Montana.....	2.9	.6	1.4	7.1	2.6
Nevada.....	1.9	.9	1.2	2.0	1.6
New Mexico.....	2.1	.9	1.0	6.6	.8
Utah.....	1.1	3.3	2.1	5.0	.1
Wyoming.....	2.2	3.3	.5	42.4	.3
Pacific Contiguous	.7	.3	3.6	5.7	1.8
California.....	.9	.3	1.2	10.9	.5
Oregon.....	1.7	.9	4.6	13.3	1.0
Washington.....	1.3	.8	9.6	.9	6.3
Pacific Noncontiguous	.4	.6	2.2	9.2	1.0
Alaska.....	1.0	1.3	11.7	12.4	2.8
Hawaii.....	.2	.2	.2	.3	.2
U.S. Average	.6	.4	.6	.8	.4

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

Notes: •See technical notes for CV methodology. •It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high coefficient of variations.

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

Table 47. Estimated U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1998 and 1997
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997
New England	16,087	16,502	17,444	17,195	10,475	10,247	597	586	44,604	44,530
Connecticut.....	4,484	4,574	4,652	4,454	2,361	2,341	161	162	11,657	11,530
Maine.....	1,550	1,639	1,333	1,348	1,859	2,008	26	26	4,769	5,021
Massachusetts.....	6,842	6,912	8,493	8,389	4,089	3,791	263	251	19,687	19,343
New Hampshire.....	1,444	1,475	1,310	1,291	969	910	56	60	3,779	3,736
Rhode Island.....	924	1,027	965	1,028	530	549	72	71	2,491	2,675
Vermont.....	844	875	691	686	667	650	19	16	2,221	2,227
Middle Atlantic	42,565	43,409	48,038	47,574	35,399	34,791	6,079	5,730	132,080	131,504
New Jersey.....	8,833	8,594	12,144	11,723	5,605	5,495	209	213	26,791	26,025
New York.....	16,031	16,408	21,430	21,336	10,385	10,264	5,346	4,955	53,192	52,964
Pennsylvania.....	17,701	18,407	14,464	14,515	19,409	19,032	524	561	52,097	52,515
East North Central	64,172	63,801	58,997	55,990	91,159	89,165	6,170	6,474	220,497	215,431
Illinois.....	15,645	15,167	16,738	15,450	18,564	17,259	3,631	3,771	54,577	51,649
Indiana.....	10,899	10,994	7,526	7,190	18,316	17,597	216	224	36,957	36,005
Michigan.....	11,826	11,666	13,394	12,694	14,523	14,016	357	344	40,100	38,719
Ohio.....	18,081	18,321	14,821	14,294	29,431	30,279	1,649	1,814	63,982	64,708
Wisconsin.....	7,720	7,653	6,519	6,362	10,325	10,014	317	321	24,881	24,350
West North Central	31,980	31,188	25,450	23,760	32,026	31,364	2,209	2,158	91,666	88,470
Iowa.....	4,475	4,542	3,024	2,883	6,316	6,159	543	538	14,359	14,121
Kansas.....	3,971	3,731	4,354	4,113	4,005	3,827	159	161	12,489	11,833
Minnesota.....	6,827	6,741	4,261	3,805	11,102	11,237	290	290	22,480	22,073
Missouri.....	10,631	9,844	9,245	8,764	6,478	5,891	404	390	26,758	24,889
Nebraska.....	3,149	3,180	2,577	2,520	2,684	2,581	469	462	8,879	8,743
North Dakota.....	1,501	1,654	1,061	818	738	914	184	191	3,484	3,577
South Dakota.....	1,426	1,496	927	857	704	755	160	126	3,217	3,234
South Atlantic	101,909	97,125	81,693	78,551	66,542	64,911	8,179	7,871	258,322	248,458
Delaware.....	1,340	1,359	1,238	1,199	1,504	1,502	21	23	4,103	4,082
District of Columbia.....	588	593	3,115	3,052	107	111	148	145	3,958	3,900
Florida.....	32,948	31,413	24,839	24,546	7,197	7,156	2,203	2,195	67,187	65,309
Georgia.....	14,549	12,708	12,055	11,308	14,001	13,404	517	515	41,123	37,936
Maryland.....	8,871	9,143	9,333	9,194	4,221	4,157	339	311	22,764	22,805
North Carolina.....	16,909	16,025	12,519	11,779	14,223	13,812	767	775	44,417	42,392
South Carolina.....	8,832	8,133	6,006	5,618	12,635	12,250	347	332	27,820	26,334
Virginia.....	13,994	13,820	10,141	9,474	8,072	7,916	3,797	3,535	36,005	34,744
West Virginia.....	3,876	3,931	2,447	2,381	4,582	4,603	39	39	10,945	10,955
East South Central	37,409	35,623	17,747	17,006	54,842	54,116	2,213	2,148	112,210	108,892
Alabama.....	9,776	8,835	5,409	5,319	14,908	13,797	272	240	30,365	28,191
Kentucky.....	8,266	8,332	4,394	4,164	17,036	18,244	1,238	1,198	30,935	31,938
Mississippi.....	5,525	5,099	3,278	3,055	6,508	6,376	260	262	15,572	14,792
Tennessee.....	13,842	13,357	4,665	4,468	16,388	15,698	443	447	35,339	33,971
West South Central	53,506	52,375	41,330	39,994	64,184	62,806	7,414	6,780	166,434	161,956
Arkansas.....	5,000	4,766	2,901	2,750	6,236	5,919	243	239	14,380	13,675
Louisiana.....	8,298	8,000	6,128	5,978	12,529	13,609	1,043	979	27,997	28,567
Oklahoma.....	6,318	5,892	4,533	4,311	5,227	4,997	1,063	892	17,141	16,092
Texas.....	33,889	33,717	27,768	26,955	40,193	38,281	5,066	4,670	106,916	103,623
Mountain	25,209	24,978	24,257	23,523	27,961	26,232	2,771	3,109	80,198	77,842
Arizona.....	7,492	7,125	6,709	6,566	5,312	5,152	856	998	20,369	19,841
Colorado.....	5,397	5,281	6,135	5,775	3,981	3,644	378	411	15,891	15,110
Idaho.....	2,883	3,038	2,100	2,154	3,369	3,335	128	118	8,481	8,646
Montana.....	1,641	1,751	1,364	1,343	2,665	2,068	115	98	5,785	5,260
Nevada.....	2,679	2,709	2,095	2,028	4,098	3,829	348	346	9,221	8,912
New Mexico.....	1,879	1,819	2,140	2,063	2,527	2,394	517	560	7,063	6,837
Utah.....	2,304	2,279	2,665	2,521	3,083	2,972	303	385	8,355	8,158
Wyoming.....	934	976	1,049	1,073	2,925	2,838	126	193	5,035	5,079
Pacific Contiguous	52,973	52,767	47,050	47,678	43,198	41,975	3,753	3,635	146,975	146,055
California.....	29,333	28,418	32,083	32,936	23,337	23,876	1,938	1,784	86,691	87,014
Oregon.....	8,029	8,062	5,598	5,507	6,293	6,419	289	272	20,209	20,259
Washington.....	15,611	16,287	9,370	9,234	13,568	11,681	1,526	1,580	40,075	38,781
Pacific Noncontiguous	1,861	1,872	2,062	2,048	1,859	1,866	99	90	5,882	5,877
Alaska.....	788	787	963	951	353	331	76	67	2,179	2,136
Hawaii.....	1,073	1,085	1,100	1,097	1,506	1,535	24	23	3,703	3,741
U.S. Total	427,671	419,639	364,067	353,319	427,646	417,475	39,484	38,582	1,258,868	1,229,015

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

Notes: •Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1997 have been revised and are preliminary. •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •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 48. Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, 1988 Through May 1998
(Million Dollars)

Period	Residential	Commercial	Industrial	Other ¹	All Sectors
1988.....	66,790	49,224	42,145	5,551	163,710
1989.....	69,240	52,228	43,719	5,609	170,797
1990.....	72,378	55,117	44,857	5,891	178,243
1991.....	76,828	57,655	45,737	6,138	186,359
1992.....	76,848	58,343	46,993	6,296	188,480
1993.....	82,814	61,521	47,357	6,528	198,220
1994.....	84,552	63,396	48,069	6,689	202,706
1995.....	87,610	66,365	47,175	6,567	207,717
1996					
January.....	8,423	5,302	3,694	546	17,965
February.....	7,505	5,138	3,701	537	16,881
March.....	7,037	5,169	3,797	532	16,536
April.....	6,149	4,936	3,655	513	15,253
May.....	6,363	5,381	3,917	550	16,211
June.....	7,866	6,040	4,176	596	18,678
July.....	9,269	6,590	4,309	595	20,762
August.....	9,356	6,783	4,379	610	21,127
September.....	8,051	6,297	4,213	614	19,175
October.....	6,537	5,732	4,075	578	16,921
November.....	6,455	5,226	3,780	537	15,998
December.....	7,491	5,231	3,691	535	16,947
Total.....	90,501	67,827	47,385	6,741	212,455
1997					
January.....	8,346	5,504	3,710	552	18,113
February.....	7,198	5,155	3,611	524	16,488
March.....	6,706	5,227	3,677	526	16,137
April.....	6,092	5,109	3,657	515	15,373
May.....	6,121	5,357	3,809	533	15,819
June.....	7,446	6,246	4,127	578	18,398
July.....	9,553	6,934	4,283	592	21,362
August.....	9,406	6,794	4,366	610	21,176
September.....	8,289	6,560	4,275	621	19,745
October.....	7,221	6,103	4,116	597	18,036
November.....	6,595	5,353	3,806	542	16,296
December.....	7,686	5,426	3,689	537	17,338
Total.....	90,659	69,768	47,126	6,727	214,280
1998					
January.....	8,081	5,418	3,651	539	17,690
February.....	6,901	5,109	3,597	511	16,118
March.....	6,889	5,288	3,710	542	16,430
April.....	6,096	5,145	3,675	526	15,442
May.....	6,583	5,673	3,995	552	16,802
Year to Date					
1998.....	34,550	26,633	18,628	2,670	82,482
1997.....	34,464	26,352	18,464	2,650	81,930
1996.....	35,478	25,927	18,764	2,678	82,846

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

Notes: •Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1997 have been revised and are preliminary. Values for 1996 and prior years are final. •Values for 1996 in the commercial and industrial sectors for Maryland, the South Atlantic Census Division, and the U.S. Total reflect an electric utility's reclassification for this information by Standard Industrial Classification Code (SIC). •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," and Form EIA-861, "Annual Electric Utility Report."

Table 49. Estimated Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, May 1998 and 1997
(Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997
New England	321	326	328	325	164	165	14	16	826	832
Connecticut.....	95	93	94	87	38	37	2	4	230	220
Maine.....	35	36	25	24	22	23	1	1	84	84
Massachusetts.....	121	129	146	155	66	68	7	7	340	359
New Hampshire.....	34	32	30	28	19	17	1	1	85	79
Rhode Island.....	20	20	19	20	9	10	2	2	50	52
Vermont.....	15	16	13	12	9	9	*	*	37	37
Middle Atlantic	909	859	966	921	416	430	111	106	2,401	2,316
New Jersey.....	203	169	258	238	93	94	7	8	562	510
New York.....	388	399	474	456	106	113	91	86	1,060	1,053
Pennsylvania.....	317	291	233	227	217	223	12	13	780	753
East North Central	1,058	908	945	796	873	805	90	87	2,966	2,596
Illinois.....	317	262	286	229	207	189	51	48	861	729
Indiana.....	132	125	96	83	155	139	4	4	387	352
Michigan.....	191	173	232	201	157	150	8	8	588	532
Ohio.....	310	259	252	214	268	251	23	23	852	747
Wisconsin.....	108	89	80	68	86	75	4	4	278	237
West North Central	459	374	339	291	297	272	29	28	1,123	965
Iowa.....	76	66	42	36	53	48	7	7	178	157
Kansas.....	65	52	63	55	41	34	3	3	172	144
Minnesota.....	97	84	56	46	106	99	5	4	264	234
Missouri.....	156	110	124	108	64	57	4	6	348	281
Nebraska.....	34	31	29	25	20	19	6	6	90	81
North Dakota.....	15	14	12	9	7	7	2	2	35	32
South Dakota.....	17	17	12	11	7	7	1	1	37	36
South Atlantic	1,491	1,380	1,120	1,050	609	553	108	103	3,328	3,085
Delaware.....	19	19	16	16	15	14	1	1	50	49
District of Columbia.....	9	8	56	44	1	1	2	2	68	55
Florida.....	539	523	351	348	76	78	32	32	999	981
Georgia.....	241	191	191	165	146	106	10	9	588	471
Maryland.....	133	128	131	121	32	33	6	5	302	288
North Carolina.....	214	209	148	150	139	128	12	11	513	498
South Carolina.....	106	100	77	71	97	91	4	4	284	266
Virginia.....	187	162	122	112	66	67	40	38	416	379
West Virginia.....	44	39	29	25	37	34	1	1	110	99
East South Central	449	377	254	214	451	408	28	26	1,181	1,025
Alabama.....	142	113	93	76	137	115	3	4	375	308
Kentucky.....	86	77	51	43	97	100	13	11	247	231
Mississippi.....	77	67	50	43	58	56	5	4	189	171
Tennessee.....	143	120	60	53	160	136	7	7	370	315
West South Central	781	698	586	554	524	520	101	89	1,993	1,861
Arkansas.....	63	61	37	38	51	50	3	4	155	153
Louisiana.....	125	105	86	81	101	108	13	13	326	307
Oklahoma.....	88	73	56	48	39	37	15	9	198	168
Texas.....	504	458	407	387	334	325	70	64	1,314	1,234
Mountain	334	366	333	335	227	205	34	36	927	942
Arizona.....	125	139	114	114	58	61	10	11	307	325
Colorado.....	69	72	70	71	34	17	7	7	181	167
Idaho.....	22	24	24	25	17	16	1	1	64	67
Montana.....	17	17	16	15	17	12	2	2	52	46
Nevada.....	36	45	30	30	36	34	3	3	105	112
New Mexico.....	29	31	36	37	23	23	7	8	95	98
Utah.....	27	27	32	31	21	23	3	3	83	84
Wyoming.....	9	10	11	11	20	19	1	2	41	42
Pacific Contiguous	737	786	758	823	399	414	35	38	1,930	2,061
California.....	549	613	622	696	291	319	24	26	1,485	1,655
Oregon.....	73	69	56	56	40	44	3	3	172	172
Washington.....	115	104	80	71	68	51	9	9	272	234
Pacific Noncontiguous	45	46	45	48	34	38	3	3	127	135
Alaska.....	15	15	17	17	5	5	2	2	40	40
Hawaii.....	30	31	28	31	29	33	1	1	87	96
U.S. Total	6,583	6,121	5,673	5,357	3,995	3,809	552	533	16,802	15,819

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

* Less than 0.5.

Notes: •Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1997 have been revised and are preliminary. •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •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 50. Estimated Coefficients of Variation for Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, May 1998
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.5	0.7	1.2	3.0	0.3
Connecticut.....	.2	.6	.9	15.9	.4
Maine.....	.7	.5	3.9	.3	1.3
Massachusetts.....	1.3	1.5	2.5	3.6	.6
New Hampshire.....	.3	.5	1.0	1.2	.2
Rhode Island.....	.1	.0	.3	.2	.0
Vermont.....	1.2	.7	3.6	7.1	.9
Middle Atlantic	2.1	.5	.6	.8	.9
New Jersey.....	2.2	.9	.5	.3	1.3
New York.....	1.2	.5	.9	1.0	.8
Pennsylvania.....	5.7	1.6	.9	1.4	2.5
East North Central	1.9	1.8	2.0	1.6	1.5
Illinois.....	4.9	5.0	4.5	1.0	4.6
Indiana.....	5.4	3.5	2.2	3.1	3.4
Michigan.....	.1	3.3	8.7	2.7	.8
Ohio.....	2.8	.5	1.6	5.7	1.1
Wisconsin.....	3.6	2.1	1.4	3.5	2.4
West North Central	1.3	1.2	.9	3.5	.9
Iowa.....	4.6	5.5	1.4	1.5	3.5
Kansas.....	3.4	4.4	4.2	3.0	3.1
Minnesota.....	.9	3.3	1.6	2.7	.5
Missouri.....	2.6	.3	.6	12.2	1.3
Nebraska.....	2.3	3.6	1.9	13.2	2.9
North Dakota.....	1.0	1.2	3.9	3.9	1.1
South Dakota.....	2.3	2.1	3.2	4.0	2.2
South Atlantic	.5	1.0	1.0	.5	.7
Delaware.....	.4	.2	.8	.2	.3
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	.3	1.5	2.2	.3	.7
Georgia.....	2.7	1.0	1.1	2.8	1.6
Maryland.....	1.5	1.5	.9	.7	2.1
North Carolina.....	.8	6.6	3.7	2.0	3.8
South Carolina.....	1.3	1.0	2.8	1.8	1.8
Virginia.....	1.1	.2	2.1	.8	1.1
West Virginia.....	.7	.3	.2	1.9	.1
East South Central	2.0	1.4	1.8	1.3	1.6
Alabama.....	5.0	1.6	4.8	2.8	3.8
Kentucky.....	1.8	1.4	3.1	1.0	1.9
Mississippi.....	5.5	6.0	4.0	3.4	5.3
Tennessee.....	1.7	2.2	2.1	4.3	1.1
West South Central	2.0	1.1	1.4	1.4	1.4
Arkansas.....	5.8	9.8	11.3	10.2	8.4
Louisiana.....	6.5	2.5	3.1	6.9	3.4
Oklahoma.....	9.0	7.2	.5	4.9	6.7
Texas.....	2.0	.5	1.1	1.2	1.4
Mountain	.6	.4	.7	2.6	.4
Arizona.....	1.3	.4	.5	3.9	.4
Colorado.....	.5	.5	.4	4.5	.9
Idaho.....	.6	1.9	2.1	6.2	1.9
Montana.....	2.3	.9	1.7	7.9	2.0
Nevada.....	1.3	.7	3.5	1.6	1.9
New Mexico.....	1.4	1.0	2.9	9.0	1.1
Utah.....	.9	2.7	3.0	5.9	.1
Wyoming.....	1.7	4.2	1.7	22.6	.6
Pacific Contiguous	.5	.7	1.8	6.5	.6
California.....	.6	.8	2.0	9.4	.8
Oregon.....	.8	1.9	7.8	3.7	2.0
Washington.....	1.2	1.2	3.8	7.5	1.5
Pacific Noncontiguous	.4	.8	1.7	2.2	.3
Alaska.....	.9	2.1	10.9	2.8	.7
Hawaii.....	.4	.3	.5	.5	.4
U.S. Average	.5	.4	.6	.6	.4

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

Notes: •See technical notes for CV methodology. •It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high coefficient of variations.

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

Table 51. Estimated Revenue from U.S. Electric Utility Retail Sales to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1998 and 1997
(Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997
New England	1,863	1,951	1,707	1,749	822	821	83	85	4,474	4,606
Connecticut.....	537	548	466	457	181	180	23	22	1,206	1,207
Maine.....	201	209	149	148	130	140	6	6	487	503
Massachusetts.....	726	773	771	816	329	322	36	37	1,862	1,948
New Hampshire.....	192	195	151	143	89	81	8	8	440	427
Rhode Island.....	108	122	97	108	43	48	8	9	255	286
Vermont.....	100	105	73	77	50	51	2	2	225	234
Middle Atlantic	4,848	4,999	4,805	4,815	2,040	2,092	555	548	12,248	12,454
New Jersey.....	990	1,009	1,194	1,205	428	443	37	39	2,649	2,696
New York.....	2,217	2,268	2,437	2,424	519	539	454	445	5,628	5,675
Pennsylvania.....	1,641	1,723	1,173	1,186	1,093	1,110	63	64	3,971	4,083
East North Central	5,417	5,308	4,301	4,046	4,024	3,903	428	440	14,170	13,697
Illinois.....	1,575	1,512	1,260	1,161	918	891	240	249	3,993	3,814
Indiana.....	761	768	462	441	725	696	21	21	1,969	1,926
Michigan.....	1,011	1,005	1,062	1,008	724	713	39	39	2,836	2,766
Ohio.....	1,518	1,501	1,137	1,083	1,259	1,236	106	110	4,021	3,929
Wisconsin.....	551	522	380	352	398	367	22	21	1,352	1,262
West North Central	2,183	2,104	1,479	1,387	1,312	1,278	134	136	5,108	4,905
Iowa.....	370	352	196	182	241	228	33	32	841	794
Kansas.....	290	277	274	263	181	175	14	16	760	731
Minnesota.....	486	481	257	232	477	469	23	21	1,244	1,204
Missouri.....	667	615	496	473	254	238	23	27	1,440	1,352
Nebraska.....	180	179	133	129	95	93	27	26	435	427
North Dakota.....	91	98	62	50	32	42	8	8	193	198
South Dakota.....	99	102	59	57	31	33	6	6	195	198
South Atlantic	7,762	7,565	5,208	5,136	2,684	2,669	517	505	16,171	15,875
Delaware.....	116	118	84	82	70	70	3	3	273	273
District of Columbia.....	42	41	209	192	4	4	10	9	266	246
Florida.....	2,613	2,606	1,605	1,686	349	378	153	156	4,719	4,826
Georgia.....	1,026	929	859	806	546	508	48	44	2,479	2,286
Maryland.....	692	710	571	574	161	163	28	27	1,452	1,473
North Carolina.....	1,338	1,272	785	749	637	627	54	56	2,815	2,703
South Carolina.....	652	608	375	354	443	436	21	20	1,490	1,419
Virginia.....	1,042	1,036	584	562	313	313	196	187	2,136	2,098
West Virginia.....	241	245	137	131	161	171	3	3	542	550
East South Central	2,359	2,192	1,110	1,042	2,041	1,948	135	129	5,644	5,311
Alabama.....	651	588	357	346	545	504	18	17	1,572	1,455
Kentucky.....	464	460	227	214	481	501	57	55	1,230	1,231
Mississippi.....	382	356	224	212	270	270	23	22	899	860
Tennessee.....	862	788	302	270	744	673	36	34	1,944	1,766
West South Central	3,743	3,820	2,655	2,724	2,513	2,593	452	425	9,363	9,562
Arkansas.....	354	363	164	183	235	246	15	17	768	809
Louisiana.....	572	602	405	434	516	594	63	65	1,556	1,694
Oklahoma.....	391	366	225	215	175	170	47	38	838	788
Texas.....	2,427	2,490	1,861	1,892	1,587	1,583	326	305	6,201	6,270
Mountain	1,838	1,825	1,533	1,498	1,081	1,033	153	159	4,606	4,515
Arizona.....	611	595	494	488	252	256	43	46	1,401	1,384
Colorado.....	399	393	350	339	171	158	33	32	953	922
Idaho.....	146	154	90	92	84	82	6	6	327	334
Montana.....	108	113	83	81	87	71	8	7	286	273
Nevada.....	193	190	137	129	166	156	12	13	508	487
New Mexico.....	167	165	171	167	114	110	32	34	484	475
Utah.....	158	157	152	145	106	103	14	15	429	420
Wyoming.....	58	59	56	56	100	98	5	7	218	220
Pacific Contiguous	4,293	4,448	3,606	3,716	1,938	1,935	200	209	10,037	10,309
California.....	3,042	3,186	2,866	2,985	1,387	1,419	130	136	7,425	7,726
Oregon.....	466	447	283	279	198	204	16	15	963	945
Washington.....	785	815	456	451	353	313	54	58	1,649	1,637
Pacific Noncontiguous	243	251	230	240	173	190	14	15	661	696
Alaska.....	91	89	91	90	26	26	11	11	219	217
Hawaii.....	152	162	140	150	147	164	3	3	442	480
U.S. Total	34,550	34,464	26,633	26,352	18,628	18,464	2,670	2,650	82,482	81,930

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

Notes: •Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1997 have been revised and are preliminary. •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •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 52. U.S. Electric Utility Average Revenue per Kilowatthour by Sector,
1988 Through May 1998**
(Cents)

Period	Residential	Commercial	Industrial	Other ¹	All Sectors
1988.....	7.48	7.04	4.70	6.20	6.35
1989.....	7.65	7.20	4.72	6.25	6.45
1990.....	7.83	7.34	4.74	6.40	6.57
1991.....	8.04	7.53	4.83	6.51	6.75
1992.....	8.21	7.66	4.83	6.74	6.82
1993.....	8.32	7.74	4.85	6.88	6.93
1994.....	8.38	7.73	4.77	6.84	6.91
1995.....	8.40	7.69	4.66	6.88	6.89
1996					
January.....	7.75	7.31	4.47	6.68	6.61
February.....	7.81	7.39	4.50	6.75	6.60
March.....	8.09	7.46	4.49	6.84	6.65
April.....	8.24	7.48	4.46	6.76	6.63
May.....	8.54	7.62	4.54	7.00	6.77
June.....	8.65	7.72	4.73	7.27	7.03
July.....	8.73	7.95	4.88	7.11	7.27
August.....	8.86	7.99	4.84	7.09	7.30
September.....	8.79	7.96	4.78	6.86	7.16
October.....	8.67	7.84	4.61	7.10	6.91
November.....	8.25	7.52	4.45	6.82	6.65
December.....	7.99	7.29	4.38	6.63	6.58
Average.....	8.36	7.64	4.60	6.91	6.86
1997					
January.....	7.90	7.31	4.44	6.78	6.64
February.....	8.01	7.43	4.44	6.72	6.64
March.....	8.27	7.49	4.44	7.00	6.69
April.....	8.41	7.44	4.36	6.86	6.61
May.....	8.68	7.63	4.43	6.99	6.75
June.....	8.94	7.93	4.65	7.15	7.11
July.....	8.77	7.91	4.86	6.81	7.28
August.....	8.83	7.96	4.80	7.06	7.26
September.....	8.78	7.91	4.76	7.01	7.15
October.....	8.62	7.71	4.64	6.90	6.93
November.....	8.28	7.48	4.48	6.78	6.68
December.....	8.06	7.28	4.40	6.72	6.62
Average.....	8.46	7.64	4.56	6.90	6.88
1998					
January.....	7.86	7.23	4.38	6.52	6.57
February.....	7.95	7.30	4.31	6.80	6.50
March.....	8.00	7.29	4.35	6.87	6.52
April.....	8.21	7.28	4.32	6.78	6.49
May.....	8.48	7.47	4.43	6.86	6.67
Year-to-Date Average					
1998 Average.....	8.08	7.32	4.36	6.76	6.55
1997 Average.....	8.21	7.46	4.42	6.87	6.67
1996 Average.....	8.14	7.49	4.50	6.84	6.66

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

Notes: •Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1997 have been revised and are preliminary. Values for 1996 and prior years are final. •Values for 1996 in the commercial and industrial sectors for Maryland, the South Atlantic Census Division, and the U.S. Total reflect an electric utility's reclassification for this information by Standard Industrial Classification Code (SIC). •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," and Form EIA-861, "Annual Electric Utility Report."

Table 53. Estimated U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector, Census Division, and State, May 1998 and 1997
(Cents)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997
New England	11.6	12.0	9.4	10.1	7.5	7.7	14.1	15.3	9.7	10.2
Connecticut.....	12.3	12.4	9.9	10.1	7.7	7.7	10.7	13.3	10.3	10.4
Maine.....	12.9	12.6	9.8	9.6	6.0	5.7	23.9	23.5	9.3	8.9
Massachusetts.....	10.5	11.5	8.6	9.9	7.7	8.6	15.1	17.2	9.1	10.2
New Hampshire.....	13.9	13.5	11.9	11.3	9.4	8.6	14.0	11.8	11.9	11.3
Rhode Island.....	11.3	11.7	9.4	10.4	7.5	8.4	12.1	13.6	9.7	10.5
Vermont.....	11.2	10.9	9.4	9.5	6.7	6.9	14.1	14.9	9.2	9.3
Middle Atlantic	11.9	12.0	10.2	10.3	5.8	6.0	9.8	9.6	9.5	9.5
New Jersey.....	11.5	12.1	10.2	10.6	7.8	8.1	21.6	21.0	10.2	10.5
New York.....	14.0	13.9	11.5	11.3	4.9	5.4	9.1	8.9	10.6	10.6
Pennsylvania.....	10.2	10.0	8.4	8.4	5.7	5.8	12.6	11.9	8.0	7.9
East North Central	8.9	8.9	7.5	7.5	4.5	4.4	7.1	7.3	6.6	6.5
Illinois.....	10.8	11.2	7.8	8.2	5.1	5.5	6.9	7.2	7.6	7.9
Indiana.....	7.5	7.7	6.2	6.3	4.0	3.9	11.0	11.2	5.3	5.4
Michigan.....	8.6	8.5	8.0	7.9	5.1	5.0	12.7	13.7	7.1	7.0
Ohio.....	8.9	8.9	7.7	7.8	4.3	4.1	6.3	6.1	6.4	6.1
Wisconsin.....	7.4	7.0	6.0	5.5	4.0	3.8	7.5	7.3	5.6	5.2
West North Central	7.5	7.5	6.2	6.3	4.4	4.3	6.9	7.0	6.0	5.9
Iowa.....	9.0	8.7	6.8	6.7	3.9	3.8	6.6	6.6	6.1	5.9
Kansas.....	7.8	8.0	6.5	6.5	4.6	4.4	9.8	8.7	6.3	6.2
Minnesota.....	7.8	7.5	6.4	6.4	4.6	4.3	8.3	8.0	5.9	5.6
Missouri.....	6.9	7.4	5.9	6.2	4.7	4.7	5.6	7.4	6.0	6.2
Nebraska.....	6.2	6.3	5.4	5.3	3.5	3.6	8.4	7.1	5.2	5.1
North Dakota.....	7.1	6.7	6.2	6.5	4.5	4.8	4.7	4.6	6.0	6.0
South Dakota.....	7.6	7.4	6.7	6.9	4.6	4.5	4.4	5.3	6.4	6.4
South Atlantic	8.0	8.2	6.5	6.7	4.2	4.0	6.3	6.6	6.4	6.4
Delaware.....	9.1	9.4	6.6	7.1	4.6	4.8	13.2	12.5	6.5	6.8
District of Columbia.....	8.1	7.8	7.9	7.4	4.9	3.9	6.9	6.7	7.8	7.3
Florida.....	7.9	8.3	6.4	6.9	5.0	5.3	7.0	7.2	7.0	7.4
Georgia.....	7.7	7.9	7.8	7.1	4.5	3.7	9.4	8.7	6.6	6.1
Maryland.....	9.0	8.9	7.0	6.8	3.7	4.0	9.2	9.5	7.1	7.0
North Carolina.....	8.3	8.2	5.8	6.3	4.4	4.5	7.2	7.1	6.1	6.3
South Carolina.....	7.7	7.7	6.3	6.3	3.7	3.5	6.3	6.4	5.3	5.2
Virginia.....	8.0	8.2	5.7	6.1	3.8	3.8	4.9	5.5	5.9	6.0
West Virginia.....	6.6	6.5	5.6	5.7	3.8	3.7	11.0	10.0	5.1	5.0
East South Central	6.8	6.6	6.4	6.2	4.0	3.6	6.1	6.2	5.3	4.9
Alabama.....	7.3	7.1	6.9	6.6	4.3	3.9	6.8	7.0	5.8	5.4
Kentucky.....	6.1	5.9	5.2	5.3	2.9	2.7	4.8	4.8	4.1	3.8
Mississippi.....	7.5	7.6	6.6	6.8	4.1	4.2	8.8	8.4	5.9	5.9
Tennessee.....	6.5	6.1	6.8	6.1	4.6	4.2	8.1	7.9	5.5	5.1
West South Central	7.3	7.8	6.5	6.9	3.9	4.1	6.1	6.3	5.8	6.0
Arkansas.....	7.5	8.2	6.0	7.1	4.0	4.3	6.7	7.5	5.6	6.2
Louisiana.....	7.0	7.1	6.3	6.7	4.0	3.9	5.9	6.2	5.5	5.4
Oklahoma.....	7.1	7.2	5.4	5.3	3.5	3.5	5.4	4.9	5.4	5.3
Texas.....	7.5	8.0	6.8	7.2	4.0	4.2	6.3	6.6	5.9	6.2
Mountain	7.9	7.8	6.4	6.5	4.0	4.0	5.6	4.8	5.9	6.0
Arizona.....	9.4	9.2	7.7	7.8	5.3	5.5	5.1	4.8	7.5	7.5
Colorado.....	7.6	7.9	5.9	6.3	4.4	4.5	9.8	6.6	6.1	6.6
Idaho.....	5.2	5.2	4.4	4.2	2.5	2.4	5.1	4.3	3.8	3.8
Montana.....	6.7	6.5	5.8	5.8	2.9	3.0	7.3	7.6	4.6	4.8
Nevada.....	7.3	6.6	6.5	6.1	4.0	3.9	3.7	3.3	5.4	5.3
New Mexico.....	9.1	9.4	8.1	8.3	4.5	4.5	6.1	6.4	6.9	7.0
Utah.....	6.9	6.8	5.7	5.9	3.5	3.8	4.5	2.6	5.1	5.1
Wyoming.....	6.5	6.5	5.7	5.3	3.4	3.6	3.9	3.6	4.4	4.5
Pacific Contiguous	8.4	8.9	8.2	8.2	4.2	4.5	5.1	5.8	6.9	7.2
California.....	10.6	11.5	9.8	9.6	6.2	6.0	6.6	7.9	9.0	9.1
Oregon.....	6.0	5.8	5.1	5.1	2.9	3.1	6.1	5.6	4.6	4.6
Washington.....	4.8	4.5	4.5	4.3	2.0	2.0	3.1	3.2	3.5	3.4
Pacific Noncontiguous	13.0	13.6	11.1	11.7	8.9	10.0	14.8	17.0	11.0	11.8
Alaska.....	12.0	11.7	9.7	9.8	7.2	7.6	15.8	18.7	10.2	10.3
Hawaii.....	13.6	14.7	12.2	13.2	9.3	10.5	12.0	13.1	11.4	12.5
U.S. Average	8.48	8.68	7.47	7.63	4.43	4.43	6.86	6.99	6.67	6.75

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

Notes: *Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1997 have been revised and are preliminary. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. *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 54. Estimated Coefficients of Variation for U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector, Census Division, and State, May 1998
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.2	1.2	0.9	1.1	0.8
Connecticut.....	.3	.4	.8	7.2	.4
Maine.....	.4	.5	1.0	.8	.3
Massachusetts.....	.3	2.6	2.3	2.0	1.7
New Hampshire.....	1.3	1.0	1.0	.9	1.2
Rhode Island.....	.1	.0	.3	1.0	.1
Vermont.....	.9	.4	1.0	3.5	.4
Middle Atlantic	.4	.3	.4	.4	.3
New Jersey.....	.4	.4	1.0	1.2	.6
New York.....	.5	.7	1.2	.4	.4
Pennsylvania.....	.0	.3	.3	.9	.6
East North Central	.6	.7	.6	.5	.6
Illinois.....	2.2	2.6	.8	.5	1.6
Indiana.....	.3	1.1	1.7	3.0	1.6
Michigan.....	.7	.4	1.3	5.6	2.0
Ohio.....	1.4	.7	1.2	1.3	.8
Wisconsin.....	1.5	2.5	2.1	2.9	2.2
West North Central	.8	.7	.5	4.6	.5
Iowa.....	.9	2.0	1.2	.4	1.9
Kansas.....	1.9	2.5	2.3	5.1	2.3
Minnesota.....	.8	1.8	.3	5.4	.3
Missouri.....	1.9	.8	1.5	12.6	.7
Nebraska.....	1.6	1.5	2.6	21.5	1.2
North Dakota.....	1.3	1.5	.9	2.3	.8
South Dakota.....	.8	.8	.9	11.0	.7
South Atlantic	.4	.6	.6	.4	.4
Delaware.....	.2	.2	.8	1.3	.4
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	.9	.6	1.8	1.2	.7
Georgia.....	.8	1.3	.7	1.9	.6
Maryland.....	1.1	.5	1.4	.6	1.3
North Carolina.....	.4	4.2	1.9	.5	2.0
South Carolina.....	1.1	.4	.6	.6	.7
Virginia.....	.4	.3	1.6	.5	.7
West Virginia.....	.1	.1	.1	6.9	.1
East South Central	1.0	.3	.8	1.3	.5
Alabama.....	.1	.1	1.6	1.0	.5
Kentucky.....	4.3	.5	1.4	.5	1.0
Mississippi.....	.6	.8	1.8	2.3	.9
Tennessee.....	.5	.7	1.1	6.8	1.0
West South Central	.9	.5	1.0	1.4	.6
Arkansas.....	1.8	5.9	9.4	5.7	5.1
Louisiana.....	1.2	.7	.5	8.8	1.6
Oklahoma.....	3.8	2.9	1.0	2.1	3.0
Texas.....	1.2	.4	.3	1.0	.4
Mountain	.5	.2	.6	2.3	.1
Arizona.....	1.2	.4	1.9	5.4	.1
Colorado.....	.4	.1	.4	7.1	.2
Idaho.....	.7	1.0	1.0	4.5	.8
Montana.....	.7	.4	1.4	1.9	.8
Nevada.....	.6	.3	2.3	3.5	.4
New Mexico.....	.7	.6	2.8	2.7	.7
Utah.....	.2	.6	.8	1.5	.1
Wyoming.....	.9	1.8	1.2	20.8	.4
Pacific Contiguous	.9	.7	4.1	4.8	2.0
California.....	1.3	.9	1.0	7.8	.9
Oregon.....	1.0	1.8	4.0	9.8	1.2
Washington.....	.9	1.1	13.0	6.7	7.2
Pacific Noncontiguous	.6	1.0	.9	10.8	.9
Alaska.....	1.4	2.4	4.1	14.4	2.5
Hawaii.....	.4	.2	.3	.3	.3
U.S. Average	.2	.2	.5	.6	.3

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

Notes: *See technical notes for CV methodology. *It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high coefficient of variations.

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

Table 55. Estimated U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1998 and 1997
(Cents)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997
New England.....	11.6	11.8	9.8	10.2	7.8	8.0	13.8	14.5	10.0	10.3
Connecticut.....	12.0	12.0	10.0	10.3	7.6	7.7	14.1	13.6	10.3	10.5
Maine.....	13.0	12.7	11.2	11.0	7.0	7.0	23.5	23.5	10.2	10.0
Massachusetts.....	10.6	11.2	9.1	9.7	8.1	8.5	13.7	14.9	9.5	10.1
New Hampshire.....	13.3	13.2	11.6	11.1	9.2	8.9	13.5	13.3	11.6	11.4
Rhode Island.....	11.7	11.8	10.0	10.5	8.1	8.7	10.8	12.5	10.2	10.7
Vermont.....	11.8	12.0	10.6	11.2	7.5	7.8	12.9	15.0	10.1	10.5
Middle Atlantic.....	11.4	11.5	10.0	10.1	5.8	6.0	9.1	9.6	9.3	9.5
New Jersey.....	11.2	11.7	9.8	10.3	7.6	8.1	17.6	18.1	9.9	10.4
New York.....	13.8	13.8	11.4	11.4	5.0	5.2	8.5	9.0	10.6	10.7
Pennsylvania.....	9.3	9.4	8.1	8.2	5.6	5.8	12.1	11.4	7.6	7.8
East North Central.....	8.4	8.3	7.3	7.2	4.4	4.4	6.9	6.8	6.4	6.4
Illinois.....	10.1	10.0	7.5	7.5	4.9	5.2	6.6	6.6	7.3	7.4
Indiana.....	7.0	7.0	6.1	6.1	4.0	4.0	9.7	9.6	5.3	5.3
Michigan.....	8.6	8.6	7.9	7.9	5.0	5.1	11.0	11.4	7.1	7.1
Ohio.....	8.4	8.2	7.7	7.6	4.3	4.1	6.4	6.0	6.3	6.1
Wisconsin.....	7.1	6.8	5.8	5.5	3.9	3.7	7.0	6.6	5.4	5.2
West North Central.....	6.8	6.7	5.8	5.8	4.1	4.1	6.1	6.3	5.6	5.5
Iowa.....	8.3	7.8	6.5	6.3	3.8	3.7	6.1	5.9	5.9	5.6
Kansas.....	7.3	7.4	6.3	6.4	4.5	4.6	8.9	9.8	6.1	6.2
Minnesota.....	7.1	7.1	6.0	6.1	4.3	4.2	7.8	7.4	5.5	5.5
Missouri.....	6.3	6.2	5.4	5.4	3.9	4.0	5.8	6.9	5.4	5.4
Nebraska.....	5.7	5.6	5.2	5.1	3.6	3.6	5.6	5.5	4.9	4.9
North Dakota.....	6.1	5.9	5.8	6.2	4.3	4.5	4.4	4.4	5.5	5.5
South Dakota.....	6.9	6.8	6.4	6.6	4.4	4.4	3.9	4.7	6.1	6.1
South Atlantic.....	7.6	7.8	6.4	6.5	4.0	4.1	6.3	6.4	6.3	6.4
Delaware.....	8.7	8.7	6.8	6.9	4.7	4.7	13.2	12.8	6.7	6.7
District of Columbia.....	7.1	6.9	6.7	6.3	4.1	3.7	6.7	6.3	6.7	6.3
Florida.....	7.9	8.3	6.5	6.9	4.8	5.3	6.9	7.1	7.0	7.4
Georgia.....	7.1	7.3	7.1	7.1	3.9	3.8	9.2	8.5	6.0	6.0
Maryland.....	7.8	7.8	6.1	6.2	3.8	3.9	8.3	8.7	6.4	6.5
North Carolina.....	7.9	7.9	6.3	6.4	4.5	4.5	7.1	7.2	6.3	6.4
South Carolina.....	7.4	7.5	6.2	6.3	3.5	3.6	6.1	6.1	5.4	5.4
Virginia.....	7.4	7.5	5.8	5.9	3.9	3.9	5.2	5.3	5.9	6.0
West Virginia.....	6.2	6.2	5.6	5.5	3.5	3.7	8.9	8.8	5.0	5.0
East South Central.....	6.3	6.2	6.3	6.1	3.7	3.6	6.1	6.0	5.0	4.9
Alabama.....	6.7	6.7	6.6	6.5	3.7	3.7	6.7	7.1	5.2	5.2
Kentucky.....	5.6	5.5	5.2	5.1	2.8	2.7	4.6	4.6	4.0	3.9
Mississippi.....	6.9	7.0	6.8	6.9	4.2	4.2	8.8	8.5	5.8	5.8
Tennessee.....	6.2	5.9	6.5	6.0	4.5	4.3	8.2	7.6	5.5	5.2
West South Central.....	7.0	7.3	6.4	6.8	3.9	4.1	6.1	6.3	5.6	5.9
Arkansas.....	7.1	7.6	5.6	6.7	3.8	4.2	6.3	7.1	5.3	5.9
Louisiana.....	6.9	7.5	6.6	7.3	4.1	4.4	6.1	6.6	5.6	5.9
Oklahoma.....	6.2	6.2	5.0	5.0	3.4	3.4	4.4	4.2	4.9	4.9
Texas.....	7.2	7.4	6.7	7.0	3.9	4.1	6.4	6.5	5.8	6.1
Mountain.....	7.3	7.3	6.3	6.4	3.9	3.9	5.5	5.1	5.7	5.8
Arizona.....	8.2	8.3	7.4	7.4	4.7	5.0	5.0	4.6	6.9	7.0
Colorado.....	7.4	7.4	5.7	5.9	4.3	4.3	8.7	7.8	6.0	6.1
Idaho.....	5.1	5.1	4.3	4.3	2.5	2.5	4.8	4.8	3.9	3.9
Montana.....	6.6	6.5	6.1	6.0	3.3	3.4	7.3	7.6	4.9	5.2
Nevada.....	7.2	7.0	6.5	6.4	4.1	4.1	3.6	3.6	5.5	5.5
New Mexico.....	8.9	9.1	8.0	8.1	4.5	4.6	6.2	6.0	6.9	7.0
Utah.....	6.9	6.9	5.7	5.8	3.4	3.5	4.5	3.8	5.1	5.1
Wyoming.....	6.2	6.0	5.3	5.2	3.4	3.5	3.9	3.5	4.3	4.3
Pacific Contiguous.....	8.1	8.4	7.7	7.8	4.5	4.6	5.3	5.8	6.8	7.1
California.....	10.4	11.2	8.9	9.1	5.9	5.9	6.7	7.6	8.6	8.9
Oregon.....	5.8	5.5	5.1	5.1	3.1	3.2	5.5	5.5	4.8	4.7
Washington.....	5.0	5.0	4.9	4.9	2.6	2.7	3.6	3.7	4.1	4.2
Pacific Noncontiguous.....	13.1	13.4	11.2	11.7	9.3	10.2	14.4	16.2	11.2	11.8
Alaska.....	11.5	11.3	9.4	9.5	7.4	7.9	14.9	17.1	10.1	10.2
Hawaii.....	14.2	14.9	12.7	13.7	9.8	10.7	12.5	13.5	11.9	12.8
U.S. Average.....	8.08	8.21	7.32	7.46	4.36	4.42	6.76	6.87	6.55	6.67

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

Notes: *Values for 1998 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1997 have been revised and are preliminary. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. *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."

Monthly Plant Aggregates: U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998

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)
Alabama Elec Coop Inc.....	191,031	-9	6,001	3,492	—	—	85	*	116	368	14
Gantt (AL).....	—	—	—	1,154	—	—	—	—	—	—	—
Lowman (AL).....	191,031	—	—	—	—	—	85	—	—	368	—
McIntosh-CAES (AL).....	—	—	4,354	—	—	—	—	—	99	—	*
McWilliams (AL).....	—	—	1,647	—	—	—	—	*	17	—	13
Point A (AL).....	—	—	—	2,338	—	—	—	—	—	—	—
Portland (FL).....	—	-9	—	—	—	—	—	—	—	—	1
Alabama Power Co.....	3,620,477	2,088	15,742	782,116	588,300	—	1,561	3	180	2,689	64
Bankhead Dam (AL).....	—	—	—	30,432	—	—	—	—	—	—	—
Barry (AL).....	517,614	—	1,289	—	—	—	210	—	38	559	5
Chickasaw (AL).....	—	—	-47	—	—	—	—	—	—	—	*
Farley (AL).....	—	—	—	—	588,300	—	—	—	—	—	—
Gadsden New (AL).....	25,802	2	1,151	—	—	—	15	*	16	20	1
Gaston, E C (AL).....	607,706	1,164	—	—	—	—	239	2	—	636	13
Gorgas (AL).....	686,648	468	—	—	—	—	261	1	—	476	5
Greene County (AL).....	243,581	454	2,832	—	—	—	99	1	27	106	26
Greene County (AL).....	—	—	—	—	—	—	—	—	—	—	—
H Neely Henry Dam (AL).....	—	—	—	37,364	—	—	—	—	—	—	—
Harris (AL).....	—	—	—	25,449	—	—	—	—	—	—	—
Holt Dam (AL).....	—	—	—	25,765	—	—	—	—	—	—	—
Jordan (AL).....	—	—	—	55,307	—	—	—	—	—	—	—
Lay Dam (AL).....	—	—	—	118,426	—	—	—	—	—	—	—
Lewis Smith Dam (AL).....	—	—	—	25,545	—	—	—	—	—	—	—
Logan Martin Dam (AL).....	—	—	—	78,702	—	—	—	—	—	—	—
Martin Dam (AL).....	—	—	—	53,032	—	—	—	—	—	—	—
Miller (AL).....	1,539,126	—	10,517	—	—	—	738	—	99	892	15
Mitchell Dam (AL).....	—	—	—	96,764	—	—	—	—	—	—	—
Thurlow Dam (AL).....	—	—	—	27,066	—	—	—	—	—	—	—
Walter Bouldin Dam (AL).....	—	—	—	144,636	—	—	—	—	—	—	—
Weiss Dam (AL).....	—	—	—	43,108	—	—	—	—	—	—	—
Yates Dam (AL).....	—	—	—	20,520	—	—	—	—	—	—	—
Alaska Elec Lgt & Pwr Co.....	—	61	—	3,919	—	—	—	*	—	—	6
Annex Creek (AK).....	—	—	—	2,268	—	—	—	—	—	—	—
Auke Bay (AK).....	—	21	—	—	—	—	—	*	—	—	2
Gold Creek (AK).....	—	—	—	251	—	—	—	—	—	—	*
Lemon Creek (AK).....	—	40	—	—	—	—	—	*	—	—	4
Salmon Creek (AK).....	—	—	—	—	—	—	—	—	—	—	—
Salmon Creek 2 (AK).....	—	—	—	1,400	—	—	—	—	—	—	—
Alaska Power Admn.....	—	—	—	21,912	—	—	—	—	—	—	—
Eklutna (AK).....	—	—	—	—	—	—	—	—	—	—	—
Snettisham (AK).....	—	—	—	21,912	—	—	—	—	—	—	—
Alexandria (City of).....	—	—	—	—	—	—	—	—	—	—	10
Hunter, D G (LA).....	—	—	—	—	—	—	—	—	—	—	10
Amer Mun Power-Ohio Inc.....	96,387	—	289	—	—	—	61	—	4	76	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Amer Mun Power-Ohio Inc											
Richard Gorsuch (OH).....	96,387	—	289	—	—	—	61	—	4	76	—
Ames (City of).....	26,219	150	—	—	—	—	16	*	—	37	4
Ames (IA).....	26,219	150	—	—	—	—	16	*	—	37	1
Ames Gt (IA).....	—	—	—	—	—	—	—	—	—	—	3
Anaheim (City of).....	—	—	—	—	—	—	—	—	—	—	—
Anaheim (CA).....	—	—	—	—	—	—	—	—	—	—	—
Anchorage (City of).....	—	—	62,955	—	—	—	—	—	646	—	36
Anchorage (AK).....	—	—	668	—	—	—	—	—	17	—	3
GMS 2 (AK).....	—	—	62,287	—	—	—	—	—	629	—	33
Appalachian Power Co.....	1,964,385	16,605	—	104,932	—	—	764	27	—	1,854	79
Amos, John E (WV).....	927,233	12,174	—	—	—	—	364	20	—	1,037	44
Buck (VA).....	—	—	—	3,363	—	—	—	—	—	—	—
Byllesby 2 (VA).....	—	—	—	9,657	—	—	—	—	—	—	—
Claytor (VA).....	—	—	—	34,234	—	—	—	—	—	—	—
Clinch River (VA).....	429,781	544	—	—	—	—	164	1	—	225	2
Glen Lyn (VA).....	157,523	746	—	—	—	—	63	1	—	100	5
Kanawha River (WV).....	220,358	140	—	—	—	—	86	*	—	83	2
Leesville (VA).....	—	—	—	10,487	—	—	—	—	—	—	—
London (WV).....	—	—	—	9,838	—	—	—	—	—	—	—
Marmet (WV).....	—	—	—	8,427	—	—	—	—	—	—	—
Mountaineer (WV).....	229,490	3,001	—	—	—	—	88	5	—	409	27
Niagara (VA).....	—	—	—	705	—	—	—	—	—	—	—
Reusens (VA).....	—	—	—	4,171	—	—	—	—	—	—	—
Smith Mountain (VA).....	—	—	—	14,197	—	—	—	—	—	—	—
Winfield (WV).....	—	—	—	9,853	—	—	—	—	—	—	—
Arizona Elec Pwr Coop Inc.....	115,855	—	1,106	—	—	—	67	—	13	146	—
Apache Station (AZ).....	115,855	—	1,106	—	—	—	67	—	13	146	—
Arizona Public Service Co.....	1,708,576	766	74,650	968	2,096,031	—	986	2	892	405	137
Childs (AZ).....	—	—	—	—	—	—	—	—	—	—	—
Cholla (AZ).....	503,495	485	242	—	—	—	295	1	3	332	5
Fairview (AZ).....	—	53	—	—	—	—	—	*	—	—	5
Four Corners (NM).....	1,205,081	—	9,157	—	—	—	691	—	98	72	—
Irving (AZ).....	—	—	—	968	—	—	—	—	—	—	—
Ocotillo (AZ).....	—	—	488	—	—	—	—	—	10	—	36
Palo Verde (AZ).....	—	—	—	—	2,096,031	—	—	—	—	—	—
Phoenix (AZ).....	—	131	38,300	—	—	—	—	*	481	—	28
Saguaro (AZ).....	—	—	603	—	—	—	—	—	12	—	34
Yucca (AZ).....	—	97	25,860	—	—	—	—	*	288	—	29
Arkansas Elec Coop Corp.....	—	—	5,183	11,485	—	—	—	—	56	—	83
Bailey (AR).....	—	—	2,920	—	—	—	—	—	32	—	28
Clyde Ellis (AR).....	—	—	—	6,241	—	—	—	—	—	—	—
Dam 9 (AR).....	—	—	—	5,244	—	—	—	—	—	—	—
Fitzhugh (AR).....	—	—	—	—	—	—	—	—	—	—	15
Mc Clellan (AR).....	—	—	2,263	—	—	—	—	—	24	—	39
Arkansas Power & Light Co.....	1,011,813	5,078	204,731	12,352	632,957	—	636	10	2,242	1,034	171
Arkansas Nuclear One(AR).....	—	—	—	—	632,957	—	—	—	—	—	—
Blytheville (AR).....	—	530	—	—	—	—	—	1	—	—	28
Carpenter (AR).....	—	—	—	8,036	—	—	—	—	—	—	—
Couch, Harvey (AR).....	—	—	22,063	—	—	—	—	—	295	—	—
Independence (AR).....	602,588	2,163	—	—	—	—	370	4	—	398	20
L Catherine (AR).....	—	—	89,320	—	—	—	—	—	906	—	—
Lynch, Cecil (AR).....	—	—	—	—	—	—	—	—	—	—	—
Mablevale (AR).....	—	—	—	—	—	—	—	—	—	—	4
Moses, Ham (AR).....	—	—	—	—	—	—	—	—	—	—	—
Rommel (AR).....	—	—	—	4,316	—	—	—	—	—	—	—
Ritchie, R E (AR).....	—	1	93,348	—	—	—	—	*	1,041	—	98
White Bluff (AR).....	409,225	2,384	—	—	—	—	266	5	—	636	21
Associated Elec Coop.....	1,148,700	1,433	—	—	—	—	662	2	—	972	8
New Madrid (MO).....	575,066	607	—	—	—	—	331	1	—	402	1
Thomas Hill (MO).....	573,634	826	—	—	—	—	331	1	—	570	1
Unionville (MO).....	—	—	—	—	—	—	—	—	—	—	5

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Atlantic City Elec Co.....	108,834	3,540	15,651	—	—	—	37	45	200	190	492
Carlls Corner (NJ).....	—	253	—	—	—	—	—	1	—	—	10
Cedar (NJ).....	—	211	—	—	—	—	—	*	—	—	18
Cumberland St (NJ).....	—	—	4,724	—	—	—	—	—	57	—	25
Deepwater (NJ).....	36,134	49	501	—	—	—	13	1	5	33	150
England, B L (NJ).....	72,700	2,138	—	—	—	—	24	39	—	157	72
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—	—	65
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—	—	106
Mickleton Street (NJ).....	—	—	4,072	—	—	—	—	—	60	—	—
Middle (NJ).....	—	422	—	—	—	—	—	1	—	—	13
Missouri Avenue (NJ).....	—	311	—	—	—	—	—	1	—	—	9
Sherman Avenue (NJ).....	—	156	6,354	—	—	—	—	1	77	—	23
Austin (City of).....	8,856	—	402	—	—	—	5	—	5	21	—
Northeast Station (MN).....	8,856	—	402	—	—	—	5	—	5	21	—
Austin (City of).....	—	—	232,534	—	—	21	—	—	2,406	—	190
Decker Creek (TX).....	—	—	167,683	—	—	21	—	—	1,719	—	125
Holly Street (TX).....	—	—	64,851	—	—	—	—	—	687	—	65
Baltimore Gas & Elec Co.....	1,254,361	72,305	18,066	—	686,863	—	497	116	186	584	568
Brandon (MD).....	781,986	1,297	—	—	—	—	316	2	—	386	3
Calvert Cliffs (MD).....	—	—	—	—	686,863	—	—	—	—	—	—
Crane, C P (MD).....	204,938	316	—	—	—	—	78	1	—	107	4
Gould Street (MD).....	—	13,175	1,206	—	—	—	—	23	13	—	19
Notch Cliff (MD).....	—	—	—	—	—	—	—	—	—	—	—
Perryman (MD).....	—	—	12,483	—	—	—	—	—	131	—	99
Philadelphia Road (MD).....	—	—	—	—	—	—	—	—	—	—	11
Riverside (MD).....	—	—	—	—	—	—	—	—	—	—	26
Wagner, H A (MD).....	267,437	57,517	4,377	—	—	—	103	90	42	91	406
Westport (MD).....	—	—	—	—	—	—	—	—	—	—	—
Basin Elec Power Coop.....	1,671,116	3,258	—	—	—	—	1,219	6	—	796	42
Antelope Valley (ND).....	410,849	84	—	—	—	—	349	*	—	97	2
Laramie River (WY).....	925,905	2,349	—	—	—	—	587	4	—	322	7
Leland Olds (ND).....	334,362	799	—	—	—	—	283	2	—	377	6
Sprit Mound (SD).....	—	26	—	—	—	—	—	*	—	—	26
Big Rivers Electric Corp.....	914,000	940	238	—	—	—	432	2	3	806	16
Coleman (KY).....	212,281	—	238	—	—	—	100	—	3	206	1
Green (KY).....	230,903	423	—	—	—	—	117	1	—	267	1
Henderson II (KY).....	149,980	265	—	—	—	—	68	*	—	156	1
Reid, Robert (KY).....	30,761	91	—	—	—	—	14	*	—	16	7
Wilson (KY).....	290,075	161	—	—	—	—	132	*	—	161	6
Black Hills Pwr and Lt Co.....	98,115	-81	376	—	—	—	78	*	5	2	19
French, Ben (SD).....	14,672	-85	376	—	—	—	12	*	5	1	18
Neil Simpson 2 (WY).....	63,444	—	—	—	—	—	46	—	—	—	*
Osage (WY).....	14,610	—	—	—	—	—	15	—	—	1	—
Simpson, Neil (WY).....	5,389	4	—	—	—	—	5	*	—	—	*
Boston Edison Co.....	—	313,594	142,760	—	468,151	—	—	528	1,450	—	375
Edgar (MA).....	—	25	—	—	—	—	—	*	—	—	1
Framingham (MA).....	—	18	—	—	—	—	—	*	—	—	1
L Street (MA).....	—	16	—	—	—	—	—	*	—	—	1
Mystic (MA).....	—	313,387	3,072	—	—	—	—	528	30	—	285
New Boston (MA).....	—	—	139,688	—	—	—	—	—	1,420	—	82
Pilgrim (MA).....	—	—	—	—	468,151	—	—	—	—	—	—
West Medway (MA).....	—	148	—	—	—	—	—	*	—	—	6
Braintree (City of).....	—	—	—	—	—	—	—	—	—	—	—
Potter Station (MA).....	—	—	—	—	—	—	—	—	—	—	—
Brazos Elec Pwr Coop Inc.....	—	—	70,425	—	—	—	—	—	705	—	131
Miller, R W (TX).....	—	—	68,910	—	—	—	—	—	685	—	123
North Texas (TX).....	—	—	1,515	—	—	—	—	—	20	—	7
Brazos River Authority.....	—	—	—	1,556	—	—	—	—	—	—	—
M Sheppard (TX).....	—	—	—	1,556	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Brownsville (City of).....	—	—	5,238	—	—	—	—	—	65	—	23
Brownsville (TX).....	—	—	5,238	—	—	—	—	—	65	—	23
Bryan (City of).....	—	4	83	—	—	—	—	*	1	—	5
Bryan (OH).....	—	4	83	—	—	—	—	*	1	—	5
Bryan (City of).....	—	—	27,471	—	—	—	—	—	322	—	56
Bryan (TX).....	—	—	9,899	—	—	—	—	—	124	—	32
Dansby (TX).....	—	—	17,572	—	—	—	—	—	199	—	24
Burbank (City of).....	—	—	-279	—	—	—	—	—	4	—	20
Magnolia (CA).....	—	—	-77	—	—	—	—	—	*	—	20
Olive (CA).....	—	—	-202	—	—	—	—	—	4	—	—
Burlington (City of).....	—	—	—	—	—	16,745	—	*	6	—	6
Burlington (VT).....	—	—	—	—	—	—	—	—	—	—	2
J C McNeil (VT).....	—	—	—	—	—	16,745	—	*	6	—	4
Cajun Elec Power Coop Inc.....	868,986	2,949	—	—	—	—	549	5	—	838	23
Big Cajun 1 (LA).....	—	—	—	—	—	—	—	—	—	—	12
Big Cajun 2 (LA).....	868,986	2,949	—	—	—	—	549	5	—	838	11
California (State of).....	—	—	—	404,719	—	-43	—	—	—	—	—
Alamo (CA).....	—	—	—	6,765	—	—	—	—	—	—	—
Bottle Rock (CA).....	—	—	—	—	—	-43	—	—	—	—	—
Devil Canyon (CA).....	—	—	—	61,962	—	—	—	—	—	—	—
Edw Hyatt (CA).....	—	—	—	284,999	—	—	—	—	—	—	—
Mojave Siphon (CA).....	—	—	—	4,396	—	—	—	—	—	—	—
Thermal Div (CA).....	—	—	—	1,874	—	—	—	—	—	—	—
Thermalito (CA).....	—	—	—	40,015	—	—	—	—	—	—	—
W E Warne (CA).....	—	—	—	-68	—	—	—	—	—	—	—
William R Gianelli (CA).....	—	—	—	4,776	—	—	—	—	—	—	—
Cardinal Operating Co.....	924,448	2,035	—	—	—	—	358	3	—	577	21
Cardinal (OH).....	924,448	2,035	—	—	—	—	358	3	—	577	21
Carolina Power & Light Co.....	1,903,701	6,648	697	117,233	1,884,100	—	771	14	20	2,153	265
Asheville (NC).....	105,638	182	—	—	—	—	42	*	—	274	1
Blewett (NC).....	—	-27	—	15,765	—	—	—	—	—	—	6
Brunswick (NC).....	—	—	—	—	1,062,283	—	—	—	—	—	—
Cape Fear (NC).....	150,352	63	—	—	—	—	60	*	—	79	8
Darlington County (SC).....	—	970	674	—	—	—	—	4	20	—	205
Harris (NC).....	—	—	—	—	602,599	—	—	—	—	—	—
Lee (NC).....	144,075	363	—	—	—	—	59	1	—	77	10
Marshall (NC).....	—	—	—	3,720	—	—	—	—	—	—	—
Mayo (NC).....	180,383	1,518	—	—	—	—	82	3	—	389	6
Morehead (NC).....	—	-15	—	—	—	—	—	—	—	—	*
Robinson, H B (SC).....	68,602	73	—	—	219,218	—	27	*	—	156	3
Roxboro (NC).....	1,022,047	2,343	—	—	—	—	402	4	—	968	8
Sutton (NC).....	202,872	999	—	—	—	—	85	2	—	182	8
Tillery (NC).....	—	—	—	31,170	—	—	—	—	—	—	—
Walters (NC).....	—	—	—	66,578	—	—	—	—	—	—	—
Weatherspoon (NC).....	29,732	179	23	—	—	—	14	*	*	29	10
Carthage (City of).....	—	—	2	—	—	—	—	*	*	—	4
Carthage (MO).....	—	—	2	—	—	—	—	*	*	—	4
Cedar Falls (City of).....	-128	—	-24	—	—	—	—	—	—	21	2
Cedar Falls Gt (IA).....	-128	—	—	—	—	—	—	—	—	21	—
Streeter (IA).....	—	—	-24	—	—	—	—	—	—	—	2
Cent NE Pub Pwr & Ir Dist.....	—	—	—	49,635	—	—	—	—	—	—	—
Jeffrey Canyon (NE).....	—	—	—	11,375	—	—	—	—	—	—	—
Johnson No 1 (NE).....	—	—	—	8,931	—	—	—	—	—	—	—
Johnson No 2 (NE).....	—	—	—	11,501	—	—	—	—	—	—	—
Kingsley (NE).....	—	—	—	17,828	—	—	—	—	—	—	—
Central Elec Pwr Coop.....	—	17	—	—	—	—	—	*	—	43	*
Chamois (MO).....	—	17	—	—	—	—	—	*	—	43	*

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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.....	191,630	143,725	10,209	19,679	—	—	74	304	140	108	407
Coxsackie (NY).....	—	20	30	—	—	—	—	*	1	—	2
Danskammer (NY).....	191,630	15	250	—	—	—	74	*	7	108	12
Dashville (NY).....	—	—	—	2,579	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	1,646	—	—	—	—	—	—	—
Neversink (NY).....	—	—	—	4,643	—	—	—	—	—	—	—
Roseton (NY).....	—	143,690	9,929	—	—	—	—	304	132	—	391
South Cairo (NY).....	—	—	—	—	—	—	—	—	—	—	2
Sturgeon Pool (NY).....	—	—	—	10,811	—	—	—	—	—	—	—
Central Ill Public Ser Co.....	833,541	6,571	—	—	—	—	411	11	—	1,194	55
Coffeen (IL).....	365,103	309	—	—	—	—	182	1	—	357	4
Grand Tower (IL).....	45,333	186	—	—	—	—	24	*	—	48	1
Hutsonville (IL).....	25,411	114	—	—	—	—	13	*	—	84	2
Meredosia (IL).....	94,978	5,378	—	—	—	—	45	9	—	119	43
Newton (IL).....	302,716	584	—	—	—	—	148	1	—	585	5
Central Iowa Power Coop.....	22,639	125	—	—	—	—	12	*	—	43	15
Fair Station (IA).....	22,639	—	—	—	—	—	12	—	—	43	—
Summit Lake (IA).....	—	125	—	—	—	—	—	*	—	—	15
Central Illinois Light Co.....	405,500	743	3,868	—	—	—	184	1	20	294	1
Duck Creek (IL).....	87,200	409	—	—	—	—	41	1	—	156	1
E D Edwards (IL).....	318,300	334	—	—	—	—	143	1	—	138	*
Midwest Grain (IL).....	—	—	3,868	—	—	—	—	—	20	—	—
Sterling Avenue (IL).....	—	—	—	—	—	—	—	—	—	—	—
Central Louisiana Elec Co.....	624,482	—	163,564	—	—	—	442	—	1,524	436	148
Coughlin (LA).....	—	—	22,593	—	—	—	—	—	178	—	37
Dolet Hills (LA).....	325,822	—	590	—	—	—	255	—	6	210	—
Franklin (LA).....	—	—	—	—	—	—	—	*	—	—	—
Rodemacher (LA).....	298,660	—	24,057	—	—	—	187	—	216	226	76
Teche (LA).....	—	—	116,324	—	—	—	—	—	1,123	—	35
Central Maine Power Co.....	—	47,491	—	209,533	—	—	—	88	—	—	521
Andro Lower (ME).....	—	—	—	85	—	—	—	—	—	—	—
Androscoggin 3 (ME).....	—	—	—	2,377	—	—	—	—	—	—	—
Bar Mills (ME).....	—	—	—	2,374	—	—	—	—	—	—	—
Bates Lower (ME).....	—	—	—	—	—	—	—	—	—	—	—
Bates Upper (ME).....	—	—	—	1,220	—	—	—	—	—	—	—
Bonny Eagle (ME).....	—	—	—	6,374	—	—	—	—	—	—	—
Brunswick (ME).....	—	—	—	12,506	—	—	—	—	—	—	—
C. E. Monty (ME).....	—	—	—	17,456	—	—	—	—	—	—	—
Cape (ME).....	—	47	—	—	—	—	—	—	—	—	8
Cataract (ME).....	—	—	—	4,891	—	—	—	—	—	—	—
Continental Mills (ME).....	—	—	—	688	—	—	—	—	—	—	—
Deer Rips (ME).....	—	—	—	3,711	—	—	—	—	—	—	—
Fort Halifax (ME).....	—	—	—	628	—	—	—	—	—	—	—
Gulf Island (ME).....	—	—	—	15,879	—	—	—	—	—	—	—
Harris (ME).....	—	—	—	38,246	—	—	—	—	—	—	—
Hill Mill (ME).....	—	—	—	899	—	—	—	—	—	—	—
Hiram (ME).....	—	—	—	6,956	—	—	—	—	—	—	—
Islesboro (ME).....	—	—	—	—	—	—	—	—	—	—	—
North Gorham (ME).....	—	—	—	1,213	—	—	—	—	—	—	—
Oakland (ME).....	—	—	—	1,561	—	—	—	—	—	—	—
Peaks Island (ME).....	—	—	—	—	—	—	—	—	—	—	—
Rice Rips (ME).....	—	—	—	910	—	—	—	—	—	—	—
Shawmut (ME).....	—	—	—	4,519	—	—	—	—	—	—	—
Skelton (ME).....	—	—	—	13,517	—	—	—	—	—	—	—
Smelt Hill (AK).....	—	—	—	—	—	—	—	—	—	—	—
Union Gas (ME).....	—	—	—	736	—	—	—	—	—	—	—
West Buxton (ME).....	—	—	—	4,542	—	—	—	—	—	—	—
West Channel (MA).....	—	—	—	—	—	—	—	—	—	—	—
Weston (ME).....	—	—	—	6,349	—	—	—	—	—	—	—
Williams (ME).....	—	—	—	9,161	—	—	—	—	—	—	—
Wyman Hydro (ME).....	—	—	—	52,735	—	—	—	—	—	—	—
Wyman, W F (ME).....	—	47,538	—	—	—	—	—	88	—	—	512
Central Operating Co.....	644,914	802	—	—	—	—	249	1	—	198	12
Sporn, Phil (WV).....	644,914	802	—	—	—	—	249	1	—	198	12

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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 Power & Light Co.....	416,219	456	825,291	—	—	—	317	1	8,299	182	464
Bates, J L (TX).....	—	—	40,882	—	—	—	—	—	415	—	39
Coletto Creek (TX).....	416,219	455	—	—	—	—	317	1	—	182	6
Davis, Barney M (TX).....	—	1	323,194	—	—	—	—	*	3,188	—	129
Eagle Pass (TX).....	—	—	—	—	—	—	—	—	—	—	—
Hill, Lon C (TX).....	—	—	61,271	—	—	—	—	—	672	—	60
Joslin, E S (TX).....	—	—	63,627	—	—	—	—	—	646	—	50
La Palma (TX).....	—	—	71,480	—	—	—	—	—	731	—	49
Laredo (TX).....	—	—	42,492	—	—	—	—	—	486	—	24
Nueces Bay (TX).....	—	—	222,345	—	—	—	—	—	2,162	—	59
Victoria (TX).....	—	—	—	—	—	—	—	—	—	—	49
Chanute (City of).....	—	-111	—	—	—	—	—	*	1	—	1
Chanute (KS).....	—	-37	—	—	—	—	—	—	—	—	*
Chanute 2 (KS).....	—	-25	—	—	—	—	—	—	—	—	*
Chanute 3 (KS).....	—	-49	—	—	—	—	—	*	1	—	1
Chelan Pub Util Dist #1.....	—	—	—	977,120	—	—	—	—	—	—	—
Chelan (WA).....	—	—	—	33,456	—	—	—	—	—	—	—
Rock Island (WA).....	—	—	—	289,538	—	—	—	—	—	—	—
Rocky Reach (WA).....	—	—	—	654,126	—	—	—	—	—	—	—
Chillicothe (City of).....	—	—	—	—	—	—	—	—	—	*	7
Beardmore (MO).....	—	—	—	—	—	—	—	—	—	*	7
Chugach Elec Assn Inc.....	—	—	147,564	27,426	—	—	—	—	1,578	—	10
Beluga (AK).....	—	—	135,362	—	—	—	—	—	1,383	—	—
Bernice Lake (AK).....	—	—	11,740	—	—	—	—	—	184	—	3
Bradley Lake (AK).....	—	—	—	24,270	—	—	—	—	—	—	—
Cooper Lake (AK).....	—	—	—	3,156	—	—	—	—	—	—	—
International (AK).....	—	—	462	—	—	—	—	—	11	—	7
Soldotna (AK).....	—	—	—	—	—	—	—	—	—	—	—
Cincinnati Gas Elec Co.....	2,023,478	15,280	2,706	—	—	—	838	27	111	793	127
Beckjord, Walter C (OH).....	598,050	3,680	—	—	—	—	250	6	—	121	37
Dicks Creek (OH).....	—	—	-101	—	—	—	—	—	1	—	3
East Bend (KY).....	210,829	1,010	—	—	—	—	91	2	—	168	4
Miami Fort (OH).....	400,652	7,847	—	—	—	—	171	14	—	242	31
W. H. Zimmer ().....	813,947	2,710	—	—	—	—	327	5	—	262	30
Woodsdale (OH).....	—	33	2,807	—	—	—	—	*	110	—	21
Citizens Utilities Co.....	—	—	—	—	—	—	—	—	—	—	1
Valencia (AZ).....	—	—	—	—	—	—	—	—	—	—	1
Clarksdale (City of).....	—	—	511	—	—	—	—	—	5	—	13
South (MS).....	—	—	511	—	—	—	—	—	5	—	11
Third St (MS).....	—	—	—	—	—	—	—	—	—	—	1
Cleveland (City of).....	—	—	324	—	—	—	—	*	8	—	2
Collinwood (OH).....	—	—	39	—	—	—	—	—	2	—	1
Lake Road (OH).....	—	—	—	—	—	—	—	—	—	—	—
West 41st Street (OH).....	—	—	285	—	—	—	—	*	7	—	1
Cleveland Elec Illum Co.....	987,151	2,601	—	—	849,027	—	385	5	—	385	40
Ashtabula (OH).....	33,183	536	—	—	—	—	15	1	—	14	*
Avon Lake (OH).....	379,532	109	—	—	—	—	146	*	—	118	17
Eastlake (OH).....	575,372	1,956	—	—	—	—	224	3	—	243	23
Lake Shore (OH).....	-936	—	—	—	—	—	—	—	—	9	—
Perry (OH).....	—	—	—	—	849,027	—	—	—	—	—	—
Coffeyville (City of).....	—	—	—	—	—	—	—	—	—	—	—
Coffeyville (KS).....	—	—	—	—	—	—	—	—	—	—	—
Colorado Springs(City of).....	224,293	324	865	2,687	—	—	113	1	11	311	38
Drake, Martin (CO).....	91,776	—	928	—	—	—	50	—	11	98	—
George Birdsal (CO).....	—	—	-63	—	—	—	—	—	—	—	36
Manitou (CO).....	—	—	—	1,497	—	—	—	—	—	—	—
Ray D. Nixon (CO).....	132,517	324	—	—	—	—	63	1	—	214	3
Ruxton (CO).....	—	—	—	—	—	—	—	—	—	—	—
Tesla (CO).....	—	—	—	1,190	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Columbia (City of).....	-257	—	—	—	—	—	—	—	—	13	2
Columbia (MO).....	-257	—	—	—	—	—	—	—	—	13	2
Columbus Southern Pwr Co.....	739,720	968	—	—	—	—	327	2	—	514	12
Conesville (OH).....	705,018	841	—	—	—	—	309	1	—	493	11
Picway (OH).....	34,702	127	—	—	—	—	18	*	—	21	*
Commonwealth Edison Co.....	1,301,135	10,052	393,310	—	3,173,710	—	774	18	4,673	3,607	746
Bloom (IL).....	—	—	—	—	—	—	—	—	—	—	12
Braidwood (IL).....	—	—	—	—	1,631,311	—	—	—	—	—	—
Byron (IL).....	—	—	—	—	1,008,042	—	—	—	—	—	—
Calumet (IL).....	—	—	33	—	—	—	—	—	*	—	14
Collins (IL).....	—	—	382,443	—	—	—	—	—	4,536	—	609
Crawford (IL).....	126,036	—	2,625	—	—	—	75	—	29	182	16
Dixon (IL).....	—	—	—	—	—	—	—	—	—	—	—
Dresden (IL).....	—	—	—	—	556,869	—	—	—	—	—	—
Electric Junction (IL).....	—	—	725	—	—	—	—	—	26	—	19
Fisk Street (IL).....	124,287	214	747	—	—	—	72	1	7	—	22
Joliet (IL).....	—	73	351	—	—	—	—	*	12	295	11
Joliet 7 & 8 (IL).....	210,304	—	3,660	—	—	—	124	—	36	743	—
Kincaid (IL).....	—	—	—	—	—	—	—	—	—	—	—
Lasalle (IL).....	—	—	—	—	-7,764	—	—	—	—	—	—
Lombard (IL).....	—	—	—	—	—	—	—	—	—	—	15
Powerton (IL).....	216,320	—	687	—	—	—	146	—	8	1,444	—
Quad-cities (IL).....	—	—	—	—	-8,830	—	—	—	—	—	—
Sabrooke (IL).....	—	—	—	—	—	—	—	—	—	—	11
Waukegan (IL).....	222,731	12	2,039	—	—	—	119	*	18	454	12
Will County (IL).....	401,457	9,753	—	—	—	—	238	17	—	488	4
Zion (IL).....	—	—	—	—	-5,918	—	—	—	—	—	—
Commonwealth Energy Sys.....	—	338,234	—	—	—	—	—	505	—	—	109
Blackstone Street (MA).....	—	—	—	—	—	—	—	—	—	—	3
Canal (MA).....	—	330,774	—	—	—	—	—	494	—	—	67
Kendall Square (MA).....	—	7,448	—	—	—	—	—	10	—	—	36
Oak Bluffs (MA).....	—	6	—	—	—	—	—	*	—	—	1
West Tisbury (MA).....	—	6	—	—	—	—	—	*	—	—	2
Conn Yankee Atomic Pwr Co	—	—	—	—	-1,189	—	—	—	—	—	—
Haddam Neck (CT).....	—	—	—	—	-1,189	—	—	—	—	—	—
Connecticut Lgt & Pwr Co.....	—	456,497	14,166	45,441	—	41,625	—	823	157	—	1,436
Bantam (CT).....	—	—	—	219	—	—	—	*	—	—	—
Branford (CT).....	—	4	—	—	—	—	—	—	—	—	2
Bulls Bridge (CT).....	—	—	—	5,454	—	—	—	—	—	—	—
Cos Cob (CT).....	—	-6	—	—	—	—	—	*	—	—	5
Devon (CT).....	—	90,991	—	—	—	—	—	165	—	—	223
Falls Village (CT).....	—	—	—	5,851	—	—	—	—	—	—	—
Franklin (CT).....	—	-2	—	—	—	—	—	*	—	—	1
Middletown (CT).....	—	152,502	13,436	—	—	—	—	296	148	—	448
Montville (CT).....	—	56,194	730	—	—	—	—	106	9	—	347
Norwalk Harbor (CT).....	—	156,808	—	—	—	—	—	254	—	—	346
Robertsville (CT).....	—	—	—	158	—	—	—	—	—	—	—
Rocky River (CT).....	—	—	—	-41	—	—	—	—	—	—	—
Scotland (CT).....	—	—	—	1,337	—	—	—	—	—	—	—
Shepaug (CT).....	—	—	—	16,318	—	—	—	—	—	—	—
South Meadow (CT).....	—	25	—	—	—	41,625	—	1	—	—	64
Stevenson (CT).....	—	—	—	12,804	—	—	—	—	—	—	—
Taftville (CT).....	—	—	—	1,112	—	—	—	—	—	—	—
Torrington (CT).....	—	-5	—	—	—	—	—	—	—	—	1
Tunnel (CT).....	—	-14	—	2,229	—	—	—	—	—	—	1
Consol Edison Co N Y Inc.....	—	85,151	329,637	—	-3,631	—	—	161	3,750	—	2,257
Arthur Kill (NY).....	—	—	4,562	—	—	—	—	—	138	—	1
Astoria (NY).....	—	52,920	204,312	—	—	—	—	84	2,081	—	146
Buchanan (NY).....	—	—	—	—	—	—	—	—	—	—	4
East River (NY).....	—	28,919	13,831	—	—	—	—	65	194	—	130
Gowanus (NY).....	—	998	—	—	—	—	—	3	—	—	36
Hudson Avenue (NY).....	—	27	—	—	—	—	—	*	—	—	5
Indian Point (NY).....	—	20	—	—	-3,631	—	—	*	—	—	20
Narrows (NY).....	—	1,537	269	—	—	—	—	4	4	—	68

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (Continued)

Company (Holding Company)	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)
Consol Edison Co N Y Inc											
Oil Storage (NY)	—	—	—	—	—	—	—	—	—	—	1,490
Oil Storage (NY)	—	—	—	—	—	—	—	—	—	—	255
Ravenswood (NY)	—	97	72,587	—	—	—	—	*	881	—	98
Waterside (NY)	—	—	34,076	—	—	—	—	—	451	—	—
59Th Street (NY)	—	—	—	—	—	—	—	—	—	—	—
74Th Street (NY)	—	633	—	—	—	—	—	4	—	—	3
Consumers Power Co											
Alcona (MI)	1,523,893	10,948	2,281	-29,738	431,307	—	676	29	34	923	269
Allegan Dam (MI)	—	—	—	3,368	—	—	—	—	—	—	—
Big Rock Point (MI)	—	—	—	1,461	—	—	—	—	—	—	—
Campbell, J H (MI)	809,048	246	—	—	—	—	346	*	—	284	7
Cobb, B C (MI)	186,781	243	601	—	—	—	98	*	6	220	—
Cooke (MI)	—	—	—	3,162	—	—	—	—	—	—	—
Croton (MI)	—	—	—	4,501	—	—	—	—	—	—	—
Five Channels (MI)	—	—	—	2,892	—	—	—	—	—	—	—
Footo (MI)	—	—	—	3,767	—	—	—	—	—	—	—
Gaylord (MI)	—	—	1,184	—	—	—	—	—	21	—	—
Hardy (MI)	—	—	—	13,545	—	—	—	—	—	—	—
Hodenpyl (MI)	—	—	—	4,949	—	—	—	—	—	—	—
Karn, D E (MI)	197,270	9,640	—	—	—	—	85	27	—	202	259
Loud (MI)	—	—	—	2,205	—	—	—	—	—	—	—
Ludington (MI)	—	—	—	-83,461	—	—	—	—	—	—	—
Mio (MI)	—	—	—	1,927	—	—	—	—	—	—	—
Morrow, B E (MI)	—	—	—	—	—	—	—	—	—	—	—
Palisades (MI)	—	—	—	—	431,307	—	—	—	—	—	—
Rogers (MI)	—	—	—	3,516	—	—	—	—	—	—	—
Straits (MI)	—	—	244	—	—	—	—	—	4	—	—
Thetford (MI)	—	—	252	—	—	—	—	—	3	—	—
Tippy, C W (MI)	—	—	—	6,301	—	—	—	—	—	—	—
Weadock, J C (MI)	183,098	255	—	—	—	—	84	*	—	87	—
Webber (MI)	—	—	—	2,129	—	—	—	—	—	—	—
Whiting, J R (MI)	147,696	564	—	—	—	—	63	1	—	130	3
Cooperative Power Asso.											
Bonifacius (MN)	464,902	940	—	—	—	—	442	2	—	619	10
Coal Creek (ND)	464,902	940	—	—	—	—	442	2	—	619	8
Corn belt Power Coop.											
Humboldt (IA)	541	—	8	—	—	—	*	—	*	13	—
Wisdom, Earl F (IA)	-25	—	—	—	—	—	—	—	—	—	—
Wisdom, Earl F (IA)	566	—	8	—	—	—	*	—	*	13	—
Crawfordsville (City of)											
Crawfordsville (IN)	—	1	—	—	—	—	—	*	—	2	*
Crawfordsville (IN)	—	1	—	—	—	—	—	*	—	2	*
Dairyland Power Coop.											
Alma (WI)	427,897	119	—	7,402	—	—	244	*	—	629	6
Alma (WI)	46,695	57	—	—	—	—	25	*	—	98	*
Flambeau (WI)	—	—	—	7,402	—	—	—	—	—	—	—
Genoa (WI)	176,312	15	—	—	—	—	90	*	—	362	2
J P Madgett (WI)	204,890	47	—	—	—	—	129	*	—	168	4
Dayton Pwr & Lgt Co (The)											
Frank M Tait (OH)	1,511,983	3,728	3,285	—	—	—	635	6	31	937	87
Hutchings (OH)	—	-59	—	—	—	—	—	—	—	—	20
Hutchings (OH)	46,199	—	3,285	—	—	—	21	—	31	76	1
Killen Station (OH)	411,817	2,416	—	—	—	—	174	4	—	136	52
Monument (OH)	—	—	—	—	—	—	—	—	—	—	1
Sidney (OH)	—	—	—	—	—	—	—	—	—	—	1
Stuart, J M (OH)	1,053,967	1,371	—	—	—	—	440	2	—	725	5
Yankee Street (OH)	—	—	—	—	—	—	—	—	*	—	7
Delmarva Power & Light Co											
Bayview (VA)	346,274	68,861	59,669	—	—	—	138	113	543	323	405
Christiana (DE)	—	111	—	—	—	—	—	*	—	—	2
Christiana (DE)	—	19	—	—	—	—	—	*	—	—	12
Crisfield (MD)	—	159	—	—	—	—	—	*	—	—	2
Delaware City (DE)	—	-7	—	—	—	—	—	—	—	—	3
Edge Moor (DE)	116,451	53,123	7,519	—	—	—	48	82	116	81	199
Hay Road (DE)	—	998	52,150	—	—	—	—	2	426	—	66
Indian River (DE)	229,823	2,553	—	—	—	—	90	5	—	242	8
Madison Street (DE)	—	—	—	—	—	—	—	*	—	—	1

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (Continued)

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)		
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)	Coal (short tons)	Petroleum (bbls)
Delmarva Power & Light Co												
Tasley (VA).....	—	—	-23	—	—	—	—	—	—	—	—	10
Vienna (MD).....	—	—	11,924	—	—	—	—	—	23	—	—	99
West Substation (DE).....	—	—	4	—	—	—	—	—	*	—	—	3
Denton (City of).....												
Lewisdale (TX).....	—	—	—	2,807	1,774	—	—	—	—	60	—	25
Roberts (TX).....	—	—	—	—	679	—	—	—	—	—	—	—
Spencer (TX).....	—	—	—	1,095	—	—	—	—	—	—	—	—
Spencer (TX).....	—	—	—	2,807	—	—	—	—	—	60	—	25
Deseret Gen & Trans Coop.....												
Bonanza (UT).....	283,314	217	—	—	—	—	—	143	*	—	162	8
Bonanza (UT).....	283,314	217	—	—	—	—	—	143	*	—	162	8
Detroit (City of).....												
Mistersky (MI).....	—	13,702	13,666	—	—	—	—	25	25	164	—	176
Mistersky (MI).....	—	13,702	13,666	—	—	—	—	—	25	164	—	176
Detroit Edison Co (The).....												
Beacon Heating (MI).....	2,841,173	14,107	126,286	—	—	790,758	—	1,457	28	3,353	5,537	576
Belle River (MI).....	—	—	5,336	—	—	—	—	—	—	376	—	7
Central Storage (MI).....	727,195	1,026	—	—	—	—	—	403	2	—	—	12
Colfax (MI).....	—	—	—	—	—	—	—	—	—	—	2,947	—
Connors Creek (MI).....	—	-59	—	—	—	—	—	*	—	—	—	*
Dayton (MI).....	—	—	—	—	—	—	—	—	—	—	—	*
Enrico Fermi (MI).....	—	-9	—	—	—	—	—	*	—	—	—	*
Greenwood (MI).....	—	-4	—	—	—	790,758	—	*	—	—	—	12
Hancock (MI).....	—	9,284	90,886	—	—	—	—	—	19	1,078	—	406
Harbor Beach (MI).....	—	-30	—	—	—	—	—	—	—	—	—	—
Marysville (MI).....	23,067	291	—	—	—	—	—	10	1	—	40	*
Monroe (MI).....	13,239	—	1,036	—	—	—	—	8	—	15	14	—
Northeast (MI).....	955,851	3,119	—	—	—	—	—	464	5	—	1,411	9
Oliver (MI).....	—	-24	-67	—	—	—	—	—	—	*	—	2
Placid (MI).....	—	-8	—	—	—	—	—	—	*	—	—	*
Putnam (MI).....	—	-36	—	—	—	—	—	—	—	—	—	1
River Rouge (MI).....	—	-24	—	—	—	—	—	—	*	—	—	*
Slocum (MI).....	291,352	-34	26,945	—	—	—	—	136	—	1,861	91	2
St. Clair (MI).....	—	-22	—	—	—	—	—	—	—	—	—	*
Superior (MI).....	434,690	118	2,180	—	—	—	—	239	*	24	936	109
Trenton Channel (MI).....	—	135	—	—	—	—	—	—	*	—	—	2
Wilmott (MI).....	395,779	346	—	—	—	—	—	197	1	—	97	13
Wilmott (MI).....	—	8	—	—	—	—	—	—	*	—	—	1
Douglas Pub Util Dist #1.....												
Wells (WA).....	—	—	—	257,232	—	—	—	—	—	—	—	—
Wells (WA).....	—	—	—	257,232	—	—	—	—	—	—	—	—
Dover (City of).....												
McKee Run (DE).....	—	8,131	213	—	—	—	—	—	16	6	—	49
Van Sant (DE).....	—	8,131	213	—	—	—	—	—	16	6	—	47
Van Sant (DE).....	—	—	—	—	—	—	—	—	—	—	—	1
Dover (City of).....												
Dover (OH).....	5,180	—	310	—	—	—	—	4	—	5	*	*
Dover (OH).....	5,180	—	310	—	—	—	—	4	—	5	*	*
Duke Power Co.....												
Allen (NC).....	2,794,472	6,263	149	237,567	4,573,417	—	—	1,045	15	2	2,135	227
Bad Creek (SC).....	193,454	2,135	—	—	—	—	—	91	4	—	260	2
Belews Creek (NC).....	—	—	—	-35,123	—	—	—	—	—	—	—	—
Bridgewater (NC).....	1,284,882	359	—	—	—	—	—	459	1	—	592	6
Buck (NC).....	—	—	—	9,187	—	—	—	—	—	—	—	—
Buzzard Roost (SC).....	18,656	-29	—	—	—	—	—	9	*	—	157	22
Catawba (NC).....	—	121	—	8,986	—	—	—	—	1	—	—	38
Cedar Creek (SC).....	—	—	—	—	—	1,673,446	—	—	—	—	—	—
Cliffside (NC).....	—	—	—	21,893	—	—	—	—	—	—	—	—
Cowans Ford (NC).....	123,643	566	—	—	—	—	—	48	1	—	200	2
Dan River (NC).....	—	—	—	26,909	—	—	—	—	—	—	—	—
Dearborn (SC).....	3,806	98	7	—	—	—	—	2	*	*	102	5
Fishing Creek (SC).....	—	—	—	24,761	—	—	—	—	—	—	—	—
Gaston Shoals (SC).....	—	—	—	22,924	—	—	—	—	—	—	—	—
Great Falls (SC).....	—	—	—	2,674	—	—	—	—	—	—	—	—
Jocassee (SC).....	—	—	—	6,367	—	—	—	—	—	—	—	—
Keowee (SC).....	—	—	—	-5,800	—	—	—	—	—	—	—	—
Lee (SC).....	—	—	—	13,548	—	—	—	—	—	—	—	—
Lincoln (NC).....	10,599	-71	—	—	—	—	—	6	1	—	109	14
Lincoln (NC).....	—	1,506	1	—	—	—	—	—	5	*	—	131

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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 Co											
Lookout Shoals (NC).....	—	—	—	14,498	—	—	—	—	—	—	—
Marshall (NC).....	1,134,951	832	—	—	—	—	417	1	—	589	9
Mc Guire (NC).....	—	—	—	—	1,660,887	—	—	—	—	—	—
Mountain Island (NC).....	—	—	—	18,178	—	—	—	—	—	—	—
Oconee (SC).....	—	—	—	—	1,239,084	—	—	—	—	—	—
Oxford (NC).....	—	—	—	11,827	—	—	—	—	—	—	—
Rhodhiss (NC).....	—	—	—	10,683	—	—	—	—	—	—	—
Riverbend (NC).....	24,481	746	141	—	—	—	13	2	2	126	—
Rocky Creek (SC).....	—	—	—	5,814	—	—	—	—	—	—	—
Tuxedo (NC).....	—	—	—	3,264	—	—	—	—	—	—	—
Wateres (SC).....	—	—	—	43,534	—	—	—	—	—	—	—
Wylie (SC).....	—	—	—	23,829	—	—	—	—	—	—	—
99 Islands (SC).....	—	—	—	9,614	—	—	—	—	—	—	—
Duquesne Lgt Co	225,547	289	—	—	-10,349	—	106	2	—	425	25
Beaver Valley (PA).....	—	—	—	—	-10,349	—	—	—	—	—	—
Brunot Island (PA).....	—	-632	—	—	—	—	—	*	—	—	23
Cheswick (PA).....	-2,264	—	—	—	—	—	—	—	—	279	—
Elrama (PA).....	227,811	921	—	—	—	—	106	2	—	146	2
Phillips, F (PA).....	—	—	—	—	—	—	—	—	—	—	—
East Kentucky Power Coop	624,755	340	934	—	—	—	253	1	12	411	51
Cooper (KY).....	180,876	127	—	—	—	—	72	*	—	94	1
Dale (KY).....	78,601	140	—	—	—	—	36	*	—	21	*
Smith (KY).....	—	—	934	—	—	—	—	—	12	—	47
Spurlock, H L (KY).....	365,278	73	—	—	—	—	145	*	—	297	3
Easton (City of)	—	378	21	—	—	—	—	1	*	—	11
Easton (MD).....	—	216	—	—	—	—	—	*	—	—	5
Easton No. 2 (MD).....	—	162	21	—	—	—	—	*	*	—	6
Edison Sault Electric Co	—	-12	—	16,791	—	—	—	*	—	—	*
Edison Sault (MI).....	—	—	—	16,791	—	—	—	—	—	—	—
Manistique (MI).....	—	-12	—	—	—	—	—	*	—	—	*
El Paso Electric Co	—	—	251,394	—	—	—	—	—	2,719	—	70
Copper (TX).....	—	—	5,656	—	—	—	—	—	79	—	6
Newman (TX).....	—	—	161,332	—	—	—	—	—	1,688	—	33
Rio Grande (NM).....	—	—	84,406	—	—	—	—	—	952	—	31
Electric Energy Inc	639,102	4	2	—	—	—	386	*	*	522	*
Joppa Steam (IL).....	639,102	4	2	—	—	—	386	*	*	522	*
Empire District Elec Co	136,181	3	46	6,874	—	—	87	1	4	262	76
Asbury (MO).....	121,491	123	—	—	—	—	76	*	—	223	1
Energy Center (MO).....	—	—	48	—	—	—	—	*	4	—	49
Ozark Beach (MO).....	—	—	—	6,874	—	—	—	—	—	—	—
Riverton (KS).....	14,690	—	71	—	—	—	10	—	1	39	8
State Line (MO).....	—	-120	-73	—	—	—	—	1	—	—	18
Eugene (City of)	—	—	—	38,151	—	—	—	—	—	—	—
Carmen (OR).....	—	—	—	25,115	—	—	—	—	—	—	—
Leaburg (OR).....	—	—	—	8,875	—	—	—	—	—	—	—
Walterville (OR).....	—	—	—	4,161	—	—	—	—	—	—	—
Willamette (OR).....	—	—	—	—	—	—	—	—	—	—	—
Fairbanks (City of)	9,827	—	—	—	—	—	11	—	—	—	—
Chena (AK).....	9,827	—	—	—	—	—	11	—	—	—	—
Fairmont (City of)	—	-28	5	—	—	—	—	*	1	—	1
Fairmont (MN).....	—	-28	5	—	—	—	—	*	1	—	1
Farmington (City of)	—	—	14,082	15,369	—	—	—	—	127	—	—
Animas (NM).....	—	—	14,082	—	—	—	—	—	127	—	—
Navajo (NM).....	—	—	—	15,369	—	—	—	—	—	—	—
Fayetteville (City of)	—	6	339	—	—	—	—	*	10	—	66
Pod #2 (NC).....	—	6	339	—	—	—	—	*	10	—	66

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Fitchburg Gas & Elec Lgt	—	—	—	—	—	—	—	—	—	—	2
Fitchburg (MA)	—	—	—	—	—	—	—	—	—	—	2
Florida Power & Light Co.	—	1,617,972	1,537,551	—	2,339,121	—	—	2,547	12,000	—	4,825
Cape Canaveral (FL)	—	112,752	58,885	—	—	—	—	175	661	—	416
Cutler (FL)	—	—	—	—	—	—	—	—	—	—	—
Fort Meyers (FL)	—	223,845	—	—	—	—	—	339	—	—	403
Lauderdale (FL)	—	54	472,374	—	—	—	—	*	3,563	—	64
Manatee (FL)	—	330,554	—	—	—	—	—	543	—	—	996
Martin (FL)	—	114,972	733,349	—	—	—	—	182	5,257	—	841
Port Everglades (FL)	—	212,913	42,341	—	—	—	—	342	449	—	697
Putnam (FL)	—	—	70,423	—	—	—	—	—	557	—	40
Riviera (FL)	—	182,815	36,710	—	—	—	—	285	378	—	310
Sanford (FL)	—	294,398	51,509	—	—	—	—	470	499	—	584
St. Lucie (FL)	—	—	—	—	1,276,141	—	—	—	—	—	—
Turkey Point (FL)	—	145,669	71,960	—	1,062,980	—	—	211	636	—	474
Florida Power Corporation	936,884	499,177	134,251	—	529,717	—	360	784	1,264	681	1,426
Anclote (FL)	—	270,062	—	—	—	—	—	412	—	—	249
Avon Park (FL)	—	—	944	—	—	—	—	—	15	—	4
Bartow Nth (FL)	—	—	—	—	—	—	—	—	—	—	70
Bartow Sth (FL)	—	—	—	—	—	—	—	—	—	—	248
Bartow Sth (FL)	—	—	—	—	—	—	—	—	—	—	*
Bartow, P L (FL)	—	198,222	4,930	—	—	—	—	311	65	—	272
Bayboro (FL)	—	498	—	—	—	—	—	1	—	—	21
Crystal River (FL)	936,884	5,870	—	—	529,717	—	360	10	—	681	7
Debarry (FL)	—	812	15,255	—	—	—	—	2	172	—	254
Higgins (FL)	—	—	3,089	—	—	—	—	—	47	—	9
Intercession City (FL)	—	5,193	16,491	—	—	—	—	12	208	—	138
Port St. Joe (FL)	—	—	—	—	—	—	—	—	—	—	—
Rio Pinar (FL)	—	—	—	—	—	—	—	—	—	—	2
Suwannee River (FL)	—	18,520	4,892	—	—	—	—	35	57	—	112
Tiger Bay (FL)	—	—	61,222	—	—	—	—	—	442	—	—
Turner, G E (FL)	—	—	—	—	—	—	—	—	—	—	37
Univ Proj (FL)	—	—	27,428	—	—	—	—	—	257	—	1
Fort Pierce (City of)	—	15	972	—	—	—	—	*	11	—	23
King (FL)	—	15	972	—	—	—	—	*	11	—	23
Freeport (Village of)	—	-23	—	—	—	—	—	1	—	—	5
Plant No 1 (NY)	—	-74	—	—	—	—	—	*	—	—	1
Plant No 2 (NY)	—	51	—	—	—	—	—	1	—	—	4
Fremont (City of)	9,823	—	304	—	—	—	8	—	3	24	1
Lon Wright (NE)	9,823	—	304	—	—	—	8	—	3	24	1
Fulton (City of)	—	—	—	—	—	—	—	—	—	—	1
Fulton (MO)	—	—	—	—	—	—	—	—	—	—	1
Gainesville (City of)	73,130	—	24,355	—	—	—	31	—	285	85	56
Deerhaven (FL)	73,130	—	24,531	—	—	—	31	—	285	85	28
Kelly, J R (FL)	—	—	-176	—	—	—	—	—	—	—	28
Gardner (City of)	—	—	81	—	—	—	—	—	1	—	—
Gardner (KS)	—	—	81	—	—	—	—	—	1	—	—
Garland Mun Utils (City)	—	—	18,343	—	—	—	—	—	196	—	107
Newman, C E (TX)	—	—	—	—	—	—	—	—	—	—	18
Olinger, Ray (TX)	—	—	18,343	—	—	—	—	—	196	—	90
Georgia Power Co.	4,983,437	4,134	925	290,471	2,240,030	—	2,075	10	10	4,018	420
Arkwright (GA)	3,229	—	724	—	—	—	2	—	8	25	6
Atkinson (GA)	—	—	—	—	—	—	—	—	—	—	31
Barnett Shoals (GA)	—	—	—	890	—	—	—	—	—	—	—
Bartlett Ferry (GA)	—	—	—	71,990	—	—	—	—	—	—	—
Bowen (GA)	1,284,206	758	—	—	—	—	497	1	—	939	10
Burton (GA)	—	—	—	—	—	—	—	—	—	—	—
Estatoh (GA)	—	—	—	—	—	—	—	—	—	—	—
Flint River (GA)	—	—	—	926	—	—	—	—	—	—	—
Goat Rock (GA)	—	—	—	17,080	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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											
Hammond (GA)	139,935	124	—	—	—	—	58	*	—	389	2
Harlee Branch (GA)	585,350	388	—	—	—	—	233	1	—	374	3
Hatch, Edwin I. (GA)	—	—	—	—	1,152,780	—	—	—	—	—	—
Langdale (GA)	—	—	—	192	—	—	—	—	—	—	—
Lloyd Shoals (GA)	—	—	—	8,540	—	—	—	—	—	—	—
McDonough, J (GA)	293,509	144	265	—	—	—	119	*	2	94	31
Mcmanus (GA)	—	732	—	—	—	—	—	3	—	—	119
Mitchell, W (GA)	40,821	282	—	—	—	—	17	*	—	30	21
Morgan Falls (GA)	—	—	—	8,022	—	—	—	—	—	—	—
Nacoochee (GA)	—	—	—	1,884	—	—	—	—	—	—	—
North Highlands (GA)	—	—	—	21,525	—	—	—	—	—	—	—
Oliver Dam (GA)	—	—	—	35,075	—	—	—	—	—	—	—
Riverview (GA)	—	—	—	116	—	—	—	—	—	—	—
Robins (GA)	—	—	-64	—	—	—	—	—	—	—	31
Scherer (GA)	1,309,024	898	—	—	—	—	617	2	—	1,215	14
Sinclair Dam (GA)	—	—	—	30,051	—	—	—	—	—	—	—
Tallulah Falls (GA)	—	—	—	24,014	—	—	—	—	—	—	—
Terrora (GA)	—	—	—	7,092	—	—	—	—	—	—	—
Tugalo (GA)	—	—	—	18,834	—	—	—	—	—	—	—
Vogtle (GA)	—	—	—	—	1,087,250	—	—	—	—	—	—
Wallace Dam (GA)	—	—	—	35,002	—	—	—	—	—	—	—
Wansley (GA)	890,268	118	—	—	—	—	349	*	—	468	31
Wilson (GA)	—	564	—	—	—	—	—	2	—	—	118
Yates (GA)	437,095	126	—	—	—	—	183	*	—	482	3
Yonah (GA)	—	—	—	9,238	—	—	—	—	—	—	—
Glencoe (City of)	—	9	—	—	—	—	—	*	—	—	1
Glencoe (MN)	—	9	—	—	—	—	—	*	—	—	1
Glendale (City of)	—	—	5,384	—	—	—	—	—	78	—	50
Grayson (CA)	—	—	5,384	—	—	—	—	—	78	—	50
Golden Valley Elec Assn	11,602	34,402	—	—	—	—	11	64	—	—	5
Fairbanks (AK)	—	-8	—	—	—	—	—	*	—	—	3
Healy (AK)	11,602	243	—	—	—	—	11	1	—	—	1
North Pole (AK)	—	34,167	—	—	—	—	—	63	—	—	2
Grand Haven (City of)	30,681	—	—	—	—	—	16	*	—	59	10
Harbor Avenue (MI)	—	—	—	—	—	—	—	*	—	—	10
J B Simms (MI)	30,681	—	—	—	—	—	16	—	—	59	—
Grand Island (City of)	40,927	—	-3	—	—	—	26	—	*	63	8
Burdick, C W (NE)	—	—	-3	—	—	—	—	—	*	—	8
Platte (NE)	40,927	—	—	—	—	—	26	—	—	63	—
Grand River Dam Authority	299,869	—	400	96,485	—	—	179	—	4	753	1
GRDA No 1 (OK)	299,869	—	400	—	—	—	179	—	4	753	1
Markham (OK)	—	—	—	46,835	—	—	—	—	—	—	—
Pensacola (OK)	—	—	—	54,373	—	—	—	—	—	—	—
Salina (OK)	—	—	—	-4,723	—	—	—	—	—	—	—
Grant Pub Util Dist #2	—	—	—	517,139	—	—	—	—	—	—	—
Pec Hdwks (WA)	—	—	—	389	—	—	—	—	—	—	—
Priest Rapids (WA)	—	—	—	232,869	—	—	—	—	—	—	—
Quincy Chut (WA)	—	—	—	2,205	—	—	—	—	—	—	—
Wanapum (WA)	—	—	—	281,676	—	—	—	—	—	—	—
Green Mountain Power Corp.	—	1	—	17,595	—	—	—	*	—	—	12
Berlin (VT)	—	—	—	—	—	—	—	—	—	—	10
Bolton Falls (VT)	—	—	—	3,946	—	—	—	—	—	—	—
Carthusians (VT)	—	—	—	—	—	—	—	—	—	—	—
Colchester (VT)	—	—	—	—	—	—	—	—	—	—	2
Essex Junction 19 (VT)	—	1	—	5,287	—	—	—	*	—	—	*
Gorge 18 (VT)	—	—	—	1,433	—	—	—	—	—	—	—
Marshfield 6 (VT)	—	—	—	253	—	—	—	—	—	—	—
Middlesex 2 (VT)	—	—	—	1,961	—	—	—	—	—	—	—
Vergennes 9 (VT)	—	—	—	1,231	—	—	—	—	—	—	*
Waterbury 22 (VT)	—	—	—	2,759	—	—	—	—	—	—	—
West Danville 15 (VT)	—	—	—	725	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Greenville (City of)	—	—	—	—	—	—	—	—	—	—	—
Steam (TX)	—	—	—	—	—	—	—	—	—	—	—
Steam (TX)	—	—	—	—	—	—	—	—	—	—	—
Greenwood Utils (City of)	—	—	540	—	—	—	—	—	8	9	6
Henderson (MS)	—	—	465	—	—	—	—	—	8	9	4
Wright (MS)	—	—	75	—	—	—	—	—	1	*	2
Gulf Power Company	623,820	183	5,218	—	—	—	269	*	55	250	4
Crist (FL)	505,595	141	5,218	—	—	—	217	*	55	121	1
Scholz (FL)	15,484	20	—	—	—	—	8	*	—	18	*
Smith (FL)	102,741	22	—	—	—	—	44	*	—	112	3
Gulf States Utilities Co	253,499	896	1,472,157	22,016	321,800	—	166	2	14,030	193	646
Lewis Creek (TX)	—	—	126,351	—	—	—	—	—	1,394	—	34
Louisiana 1 (LA)	—	—	125,781	—	—	—	—	—	981	—	—
Louisiana 2 (LA)	—	—	—	—	—	—	—	—	—	—	—
Neches (TX)	—	—	—	—	—	—	—	—	—	—	—
Nelson, R S (LA)	253,499	587	93,323	—	—	—	166	1	1,039	193	116
River Bend (LA)	—	—	—	—	321,800	—	—	—	—	—	—
Sabine (TX)	—	10	856,150	—	—	—	—	*	6,586	—	*
Toledo Bend (TX)	—	—	—	22,016	—	—	—	—	—	—	—
Willow Glen (LA)	—	299	270,552	—	—	—	—	1	4,031	—	497
GPU Nuclear Corp	—	—	—	—	895,410	—	—	—	—	—	—
Oyster Creek (NJ)	—	—	—	—	321,716	—	—	—	—	—	—
Three Mile Island (PA)	—	—	—	—	573,694	—	—	—	—	—	—
Hamilton (City of)	21,053	—	1,290	14,283	—	—	11	*	16	8	3
Hamilton (OH)	21,053	—	1,290	—	—	—	11	*	16	8	3
Hamilton Hydro (OH)	—	—	—	489	—	—	—	—	—	—	—
Vanceburg Hydro (KY)	—	—	—	13,794	—	—	—	—	—	—	—
Hastings (City of)	13,608	1,765	2,128	—	—	—	9	3	37	42	4
Don Henry (NE)	—	—	—	—	—	—	—	—	—	—	1
Hastings (NE)	13,608	54	—	—	—	—	9	*	—	42	3
North Denver (NE)	—	1,711	2,128	—	—	—	—	3	37	—	—
Hawaii Electric Light Co	—	42,715	—	2,140	—	—	—	95	—	—	64
Kanoolehua (HI)	—	1,026	—	—	—	—	—	2	—	—	4
Keahole (HI)	—	3,262	—	—	—	—	—	7	—	—	7
Puna (HI)	—	15,187	—	—	—	—	—	36	—	—	18
Puueo (HI)	—	—	—	1,471	—	—	—	—	—	—	—
Shipman (HI)	—	2,265	—	—	—	—	—	6	—	—	5
W. H. Hill (HI)	—	20,926	—	—	—	—	—	44	—	—	28
Waiau (HI)	—	—	—	669	—	—	—	—	—	—	—
Waimea (HI)	—	49	—	—	—	—	—	*	—	—	2
Hawaiian Elec Co Inc	—	350,569	—	—	—	—	—	580	—	—	1,065
Honolulu (HI)	—	7,876	—	—	—	—	—	18	—	—	34
Kahe (HI)	—	252,477	—	—	—	—	—	411	—	—	244
Oil Storage (CA)	—	—	—	—	—	—	—	—	—	—	611
Waiau (HI)	—	90,216	—	—	—	—	—	151	—	—	176
Henderson (City of)	—	—	—	—	—	—	—	*	—	2	*
Henderson (KY)	—	—	—	—	—	—	—	*	—	2	*
Hetch Hetchy Water & Pwr	—	—	—	227,718	—	—	—	—	—	—	—
Holm, Dion R (CA)	—	—	—	114,334	—	—	—	—	—	—	—
Kirkwood, Robert C (CA)	—	—	—	70,514	—	—	—	—	—	—	—
Moccasin (CA)	—	—	—	42,239	—	—	—	—	—	—	—
Moccasin Low (CA)	—	—	—	631	—	—	—	—	—	—	—
Hibbing (City of)	1,435	—	—	—	—	—	2	—	—	1	—
Hibbing (MN)	1,435	—	—	—	—	—	2	—	—	1	—
Holland (City of)	22,141	2	93	—	—	—	12	*	3	26	8
James De Young (MI)	22,141	2	26	—	—	—	12	*	*	26	*
48 Street (MI)	—	—	67	—	—	—	—	*	3	—	7
6Th Street (MI)	—	—	—	—	—	—	—	—	—	—	1

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (Continued)

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Holyoke (City of).....	—	-8	-319	1,070	—	—	—	—	—	—	22
Cabot-Holyoke (MA).....	—	-8	-319	1,070	—	—	—	—	—	—	22
Holyoke Wtr Pwr Co.....	85,818	109	—	24,030	—	—	34	*	—	92	*
Boatlock (MA).....	—	—	—	1,656	—	—	—	—	—	—	—
Chemical (MA).....	—	—	—	375	—	—	—	—	—	—	—
Hadley Falls (MA).....	—	—	—	19,633	—	—	—	—	—	—	—
Holbrook, Beebe (MA).....	—	—	—	162	—	—	—	—	—	—	—
Mt Tom (MA).....	85,818	109	—	—	—	—	34	*	—	92	*
Riverside (MA).....	—	—	—	2,073	—	—	—	—	—	—	—
Skinner (MA).....	—	—	—	131	—	—	—	—	—	—	—
Homestead (City of).....	—	414	3,722	—	—	—	—	1	39	—	7
G W Ivey (FL).....	—	414	3,722	—	—	—	—	1	39	—	7
Hoosier Energy Rural.....	532,111	1,683	—	—	—	—	245	3	—	641	9
Merom (IN).....	388,877	1,488	—	—	—	—	180	3	—	602	8
Ratts (IN).....	143,234	195	—	—	—	—	65	*	—	39	*
Houston Lighting & Pwr Co.....	1,647,261	—	1,648,494	—	1,809,348	—	1,103	—	16,746	845	185
Bertron, Sam (TX).....	—	—	63,473	—	—	—	—	—	743	—	—
Cedar Bayou (TX).....	—	—	288,788	—	—	—	—	—	2,849	—	109
Clarke, Hiram (TX).....	—	—	16	—	—	—	—	—	1	—	—
Deepwater (TX).....	—	—	3,264	—	—	—	—	—	48	—	—
Greens Bayou (TX).....	—	—	75,794	—	—	—	—	—	831	—	76
Limestone (TX).....	486,864	—	8,802	—	—	—	393	—	93	385	—
Oil Storage (TX).....	—	—	—	—	—	—	—	—	—	—	—
Parish, W A (TX).....	1,160,397	—	161,970	—	—	—	710	—	1,647	460	—
Robinson, P H (TX).....	—	—	708,549	—	—	—	—	—	7,076	—	—
San Jacinto (TX).....	—	—	102,825	—	—	—	—	—	1,214	—	—
South Texas (TX).....	—	—	—	—	1,809,348	—	—	—	—	—	—
Webster (TX).....	—	—	40,098	—	—	—	—	—	440	—	—
Wharton, T H (TX).....	—	—	194,915	—	—	—	—	—	1,804	—	—
Hutchinson (City of).....	—	5	18,711	—	—	—	—	*	149	—	5
Plant No. 1 (MN).....	—	5	46	—	—	—	—	*	*	—	1
Plant No. 2 (MN).....	—	—	18,665	—	—	—	—	—	149	—	4
Idaho Power Co.....	—	8	—	1,188,499	—	—	—	*	—	—	*
American Falls (ID).....	—	—	—	66,246	—	—	—	—	—	—	—
Bliss (ID).....	—	—	—	51,123	—	—	—	—	—	—	—
Brownlee (ID).....	—	—	—	387,237	—	—	—	—	—	—	—
Cascade (ID).....	—	—	—	7,188	—	—	—	—	—	—	—
Clear Lake (ID).....	—	—	—	1,249	—	—	—	—	—	—	—
Hells Canyon (OR).....	—	—	—	303,835	—	—	—	—	—	—	—
Lower Malad (ID).....	—	—	—	10,552	—	—	—	—	—	—	—
Lower Salmon (ID).....	—	—	—	43,211	—	—	—	—	—	—	—
Milner (ID).....	—	—	—	41,532	—	—	—	—	—	—	—
Oxbow (OR).....	—	—	—	121,093	—	—	—	—	—	—	—
Salmon (ID).....	—	8	—	—	—	—	—	*	—	—	*
Shoshone Falls (ID).....	—	—	—	9,458	—	—	—	—	—	—	—
Strike, C J (ID).....	—	—	—	60,759	—	—	—	—	—	—	—
Swan Falls (ID).....	—	—	—	17,141	—	—	—	—	—	—	—
Thousand Springs (ID).....	—	—	—	5,015	—	—	—	—	—	—	—
Twin Falls (ID).....	—	—	—	37,230	—	—	—	—	—	—	—
Upper Malad (ID).....	—	—	—	5,328	—	—	—	—	—	—	—
Upper Salmon (ID).....	—	—	—	12,009	—	—	—	—	—	—	—
Upper Salmon (ID).....	—	—	—	8,293	—	—	—	—	—	—	—
Illinois Power Co.....	1,116,772	35,686	6,157	—	-7,208	—	516	1	63	577	12
Baldwin (IL).....	727,133	618	—	—	—	—	336	1	—	223	2
Clinton (IL).....	—	—	—	—	-7,208	—	—	—	—	—	—
Havana (IL).....	-1,886	—	—	—	—	—	—	*	—	183	2
Hennepin (IL).....	137,912	17,632	624	—	—	—	63	—	6	42	—
Oglesby (IL).....	—	—	—	—	—	—	—	—	—	—	9
Stallings (IL).....	—	—	-119	—	—	—	—	—	—	—	—
Vermilion (IL).....	77,124	—	531	—	—	—	42	—	6	18	*
Wood River (IL).....	176,489	17,436	5,121	—	—	—	75	—	51	111	—
Imperial Irrigation Dist.....	—	—	3,146	30,880	—	—	—	—	51	—	139

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Imperial Irrigation Dist											
Brawley (CA).....	—	—	—	—	—	—	—	—	—	—	1
Coachella (CA).....	—	—	21	—	—	—	—	—	1	—	12
Double Weir (CA).....	—	—	—	—	—	—	—	—	—	—	—
Drop No 1 (CA).....	—	—	—	2,079	—	—	—	—	—	—	—
Drop No. 5 (CA).....	—	—	—	2,377	—	—	—	—	—	—	—
Drop 2 (CA).....	—	—	—	6,396	—	—	—	—	—	—	—
Drop 3 (CA).....	—	—	—	5,954	—	—	—	—	—	—	—
Drop 4 (CA).....	—	—	—	12,228	—	—	—	—	—	—	—
E Highline (CA).....	—	—	—	464	—	—	—	—	—	—	—
El Centro (CA).....	—	—	3,038	—	—	—	—	—	49	—	108
Pilot Knob (CA).....	—	—	—	1,242	—	—	—	—	—	—	—
Rockwood (CA).....	—	—	87	—	—	—	—	—	1	—	18
Turnip (CA).....	—	—	—	140	—	—	—	—	—	—	—
Independence (City of).....											
Blue Valley (MO).....	7,766	-194	39	—	—	—	5	*	1	48	20
Jackson Square (MO).....	7,766	—	19	—	—	—	5	—	1	22	14
Missouri City (MO).....	—	-210	—	—	—	—	—	*	—	26	2
Station H (MO).....	—	16	20	—	—	—	—	*	*	—	2
Station I (MO).....	—	—	—	—	—	—	—	—	—	—	1
Indiana Michigan Power Co.....											
Berrien Springs (MI).....	1,363,159	1,941	—	11,980	—	—	764	3	—	1,756	35
Buchanan (MI).....	—	—	—	3,750	—	—	—	—	—	—	—
Constantine (MI).....	—	—	—	1,722	—	—	—	—	—	—	—
Cook, Donald C. (MI).....	—	—	—	557	—	—	—	—	—	—	—
Elkhart (IN).....	—	—	—	2,102	—	—	—	—	—	—	—
Fourth Street (IN).....	—	—	—	—	—	—	—	—	—	—	*
Motville (MI).....	—	—	—	940	—	—	—	—	—	—	—
Rockport (IN).....	1,161,859	505	—	—	—	—	684	1	—	1,390	33
Tanners Creek (IN).....	201,300	1,436	—	—	—	—	79	2	—	366	2
Twin Branch (IN).....	—	—	—	2,909	—	—	—	—	—	—	—
Indiana Mun Power Agency.....											
Anderson (IN).....	—	3	21	—	—	—	—	*	*	—	3
—	—	3	21	—	—	—	—	*	*	—	3
Indiana-Kentucky El Corp.....											
Clifty Creek (IN).....	644,477	67	—	—	—	—	325	*	—	803	3
—	644,477	67	—	—	—	—	325	*	—	803	3
Indianapolis Pwr & Lgt Co.....											
Perry K (IN).....	1,226,647	1,407	19	—	—	—	585	3	20	1,427	30
Petersburg (IN).....	—	—	-1,231	—	—	—	—	—	—	54	4
Pritchard, H T (IN).....	986,396	743	—	—	—	—	465	1	—	883	7
Stout, Elmer W (IN).....	90,963	291	—	—	—	—	49	1	—	118	7
—	149,288	373	1,250	—	—	—	72	1	20	372	13
Indianola (City of).....											
Indianola (IA).....	—	-12	-1	—	—	—	—	*	*	—	8
—	—	-12	-1	—	—	—	—	*	*	—	8
International Bound & Water											
Comm.....	—	—	—	30,406	—	—	—	—	—	—	—
Amistad (TX).....	—	—	—	20,070	—	—	—	—	—	—	—
Falcon (TX).....	—	—	—	10,336	—	—	—	—	—	—	—
Interstate Power Co.....											
Dubuque (IA).....	232,503	270	654	—	—	—	137	1	10	226	19
Fox Lake (MN).....	23,244	-4	504	—	—	—	14	*	7	32	*
Hills (MN).....	—	81	-134	—	—	—	—	*	—	—	13
Kapp, M L (IA).....	—	-6	—	—	—	—	—	*	—	—	*
Lansing (IA).....	93,032	—	284	—	—	—	43	—	3	74	—
Lime Creek (IA).....	116,227	141	—	—	—	—	80	*	—	121	1
Montgomery (MN).....	—	66	—	—	—	—	—	*	—	—	3
New Albin (IA).....	—	-8	—	—	—	—	—	—	—	—	2
Rushford (MN).....	—	—	—	—	—	—	—	—	—	—	*
Iola (City of).....											
Iola (KS).....	—	—	—	—	—	—	—	—	—	—	2
—	—	—	—	—	—	—	—	—	—	—	2
IES Utilities Co.....											
Ames (IA).....	681,999	1,383	10,089	850	18,214	1,075	457	3	166	512	49
—	—	2	—	—	—	—	—	*	—	—	1

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
IES Utilities Co											
Anamosa (IA).....	—	—	—	41	—	—	—	—	—	—	—
Arnold, Duane (IA).....	—	—	—	—	18,214	—	—	—	—	—	—
Burlington (IA).....	96,526	—	40	—	—	—	61	—	1	82	1
Centerville (IA).....	—	-42	—	—	—	—	—	*	—	—	5
Grinnell (IA).....	—	—	109	—	—	—	—	—	2	—	—
Iowa Falls (IA).....	—	—	—	349	—	—	—	—	—	—	—
Maquoketa (IA).....	—	—	—	460	—	—	—	—	—	—	—
Marshalltown (IA).....	—	1,259	—	—	—	—	—	3	—	—	30
Ottumwa (IA).....	442,981	139	—	—	—	—	301	*	—	198	11
Prairie Creek (IA).....	71,437	25	2,625	—	—	—	46	*	28	127	*
Sutherland (IA).....	64,021	—	3,382	—	—	—	40	—	39	100	—
6Th Street (IA).....	7,034	—	3,933	—	—	1,075	9	—	96	4	1
Jacksonville (City of)											
Kennedy, J D (FL).....	639,175	363,424	14,689	—	—	—	254	342	147	420	889
Northside (FL).....	—	-175	—	—	—	—	—	1	*	—	142
Southside (FL).....	—	196,231	14,163	—	—	—	—	324	141	—	654
St. Johns River.....	—	6,805	526	—	—	—	—	13	6	—	85
St. Johns River.....	639,175	160,563	—	—	—	—	254	3	—	420	9
Jamestown (City of)											
Carlson, S A (NY).....	8,448	20	—	—	—	—	5	*	—	4	*
Carlson, S A (NY).....	8,448	20	—	—	—	—	5	*	—	4	*
Jersey Central Power&Light Co.											
Forked River (NJ).....	—	-247	15	-10,814	—	—	—	*	35	—	299
Gardner, Glen (NJ).....	—	—	-59	—	—	—	—	—	*	—	15
Gilbert (NJ).....	—	93	821	—	—	—	—	*	14	—	21
Sayreville (NJ).....	—	—	228	—	—	—	—	—	21	—	146
Werner (NJ).....	—	—	-975	—	—	—	—	—	—	—	85
Yards Creek (NJ).....	—	-340	—	—	—	—	—	—	—	—	33
Yards Creek (NJ).....	—	—	-10,814	—	—	—	—	—	—	—	—
Kansas City (City of)											
Kaw (KS).....	200,000	124	375	—	—	—	126	*	9	251	11
Nearman Creek (KS).....	—	—	—	—	—	—	—	—	—	—	*
Quindaro (KS).....	135,481	105	—	—	—	—	92	*	—	204	4
Quindaro (KS).....	64,519	19	375	—	—	—	34	*	9	47	7
Kansas City Pwr & Lgt Co.											
Grand Ave (MO).....	1,513,913	4,020	4,177	—	—	—	946	8	44	1,263	89
Hawthorn (MO).....	—	—	—	—	—	—	—	—	—	—	—
Iatan (MO).....	256,546	—	4,177	—	—	—	155	—	44	138	3
La Cygne (KS).....	463,599	4	—	—	—	—	270	*	—	234	10
Montrose (MO).....	592,388	3,023	—	—	—	—	393	6	—	616	14
Northeast (MO).....	201,380	1,273	—	—	—	—	128	2	—	275	8
Northeast (MO).....	—	-280	—	—	—	—	—	*	—	—	53
Kauai Electric Company											
Port Allen (HI).....	—	29,336	—	—	—	—	—	53	—	—	—
Port Allen (HI).....	—	29,336	—	—	—	—	—	53	—	—	—
Kennett (City of)											
Kennett (MO).....	—	98	136	—	—	—	—	*	*	—	2
Kennett (MO).....	—	98	136	—	—	—	—	*	*	—	2
Kentucky Power Co.											
Big Sandy (KY).....	604,971	143	—	—	—	—	217	*	—	394	8
Big Sandy (KY).....	604,971	143	—	—	—	—	217	*	—	394	8
Kentucky Utilities Co.											
Brown, E W (KY).....	1,255,348	1,983	1,161	9,661	—	—	530	5	12	779	83
Dix Dam (KY).....	167,098	1,319	1,185	—	—	—	73	2	12	217	55
Ghent (KY).....	—	—	—	9,663	—	—	—	—	—	—	—
Green River (KY).....	1,043,837	508	—	—	—	—	434	2	—	519	13
Haefling (KY).....	40,694	125	—	—	—	—	21	*	—	32	3
Lock 7 (KY).....	—	—	-24	—	—	—	—	—	*	—	4
Pineville (KY).....	—	—	—	-2	—	—	—	—	—	3	*
Tyrone (KY).....	-2	—	—	—	—	—	—	—	—	—	—
Tyrone (KY).....	3,721	31	—	—	—	—	2	*	—	8	7
Key West (City of)											
Big Pine (FL).....	—	-96	—	—	—	—	—	*	—	—	22
Cudjoe (FL).....	—	—	—	—	—	—	—	*	—	—	1
Key West (FL).....	—	12	—	—	—	—	—	*	—	—	2
Stock Island (FL).....	—	-21	—	—	—	—	—	—	—	—	—
Stock Island D 1 (FL).....	—	14	—	—	—	—	—	*	—	—	20
Stock Island D 1 (FL).....	—	-101	—	—	—	—	—	*	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Kings River Conserv Dist	—	—	—	92,674	—	—	—	—	—	—	—
Pine Flat (CA)	—	—	—	92,674	—	—	—	—	—	—	—
Kissimmee (City of)	—	92	9,519	—	—	—	—	*	68	—	26
Cane Island (FL)	—	94	7,342	—	—	—	—	*	41	—	15
Kissimmee (FL)	—	-2	2,177	—	—	—	—	*	27	—	11
Kodiak Electric Assn Inc	—	341	—	9,903	—	—	—	1	—	—	1
Kodiak A (AK)	—	349	—	—	—	—	—	1	—	—	1
Port Lions (AK)	—	-8	—	—	—	—	—	—	—	—	*
Terror Lake AK)	—	—	—	9,903	—	—	—	—	—	—	—
KG&E - Western Resources	—	—	-1,039	—	—	—	—	—	2	—	276
Evans, Gordon (KS)	—	—	-584	—	—	—	—	—	2	—	119
Gill, Murray (KS)	—	—	-455	—	—	—	—	—	—	—	158
Neosho (KS)	—	—	—	—	—	—	—	—	—	—	—
KPL - Western Resources	1,137,362	1,178	193	—	—	—	734	2	9	1,635	195
Abilene (KS)	—	—	-40	—	—	—	—	—	*	—	15
Hutchinson (KS)	—	—	-469	—	—	—	—	—	*	—	136
Jeffrey (KS)	1,062,771	1,178	—	—	—	—	694	2	—	1,166	41
Lawrence (KS)	37,364	—	15	—	—	—	21	—	*	361	2
Tecumseh (KS)	37,227	—	687	—	—	—	20	—	9	108	1
Lafayette Util Sys (City)	—	—	3,483	—	—	—	—	—	49	—	121
Doc Bonin (LA)	—	—	3,490	—	—	—	—	—	49	—	121
Rodemacher (LA)	—	—	-7	—	—	—	—	—	—	—	—
Lake Worth (City of)	—	4	12,476	—	—	—	—	*	148	—	7
Smith, Tom G (FL)	—	4	12,476	—	—	—	—	*	148	—	7
Lakeland (City of)	-132	1,612	29,328	—	—	—	—	4	295	166	154
Larsen Memorial (FL)	—	-61	23,355	—	—	—	—	—	224	—	25
Mcintosh, C D (FL)	-132	1,673	5,973	—	—	—	—	4	71	166	129
Lamar (City of)	—	—	4,907	—	—	—	—	—	81	—	6
Lamar (CO)	—	—	4,907	—	—	—	—	—	81	—	6
Lansing (City of)	162,298	349	—	343	—	—	77	1	—	120	1
Eckert Station (MI)	80,534	287	—	—	—	—	42	1	—	6	*
Erickson (MI)	81,764	62	—	—	—	—	35	*	—	114	*
Moores Park (MI)	—	—	—	343	—	—	—	—	—	—	—
Lea County Elec Coop	—	—	—	—	—	—	—	—	—	—	—
North Lovington (NM)	—	—	—	—	—	—	—	—	—	—	—
Lebanon (City of)	—	—	—	—	—	—	—	—	—	—	1
Lebanon (OH)	—	—	—	—	—	—	—	—	—	—	1
Lincoln (City of)	—	130	58	—	—	—	—	*	1	—	20
Lincoln J Street (NE)	—	—	—	—	—	—	—	—	—	—	4
Rokeby (NE)	—	130	58	—	—	—	—	*	1	—	16
Logansport (City of)	1,019	—	—	—	—	—	1	—	—	7	2
Logansport (IN)	1,019	—	—	—	—	—	1	—	—	7	2
Long Island Lighting Co	—	331,339	233,121	—	—	—	—	494	2,835	—	2,176
Barrett, E F (NY)	—	—	69,657	—	—	—	—	—	751	—	328
Brookhaven (NY)	—	90	—	—	—	—	—	*	—	—	38
East Hampton (NY)	—	32	—	—	—	—	—	*	—	—	3
Far Rockway (NY)	—	—	43,091	—	—	—	—	—	464	—	1
Glenwood (NY)	—	95	9,519	—	—	—	—	*	117	—	22
Holbrook (NY)	—	3,803	—	—	—	—	—	8	—	—	97
Montauk (NY)	—	12	—	—	—	—	—	*	—	—	*
Northport (NY)	—	252,824	66,602	—	—	—	—	359	1,039	—	1,194
Port Jefferson (NY)	—	74,440	44,252	—	—	—	—	125	465	—	467
Shoreham (NY)	—	-10	—	—	—	—	—	—	—	—	11
Southampton (NY)	—	3	—	—	—	—	—	*	—	—	2
Southold (NY)	—	-11	—	—	—	—	—	—	—	—	2
West Babylon (NY)	—	61	—	—	—	—	—	*	—	—	10

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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 (City of).....	788,474	731	47,712	93,648	—	10,463	321	1	512	938	420
Big Pine Creek (CA).....	—	—	—	718	—	—	—	—	—	—	—
Castaic (CA).....	—	—	—	-19,422	—	—	—	—	—	—	—
Control Gorge (CA).....	—	—	—	18,652	—	—	—	—	—	—	—
Cottonwood (CA).....	—	—	—	900	—	—	—	—	—	—	—
Division Creek (CA).....	—	—	—	450	—	—	—	—	—	—	—
Foothill (CA).....	—	—	—	6,330	—	—	—	—	—	—	—
Franklin Canyon (CA).....	—	—	—	330	—	—	—	—	—	—	—
Haiwee (CA).....	—	—	—	2,386	—	—	—	—	—	—	—
Harbor (CA).....	—	—	19,991	—	—	—	—	—	188	—	12
Haynes (CA).....	—	—	—	—	—	—	—	—	—	—	368
Intermountain (UT).....	788,474	731	—	—	—	—	321	1	—	938	26
Middle Gorge (CA).....	—	—	—	18,772	—	—	—	—	—	—	—
Pleasant Valley (CA).....	—	—	—	1,412	—	—	—	—	—	—	—
San Fernando (CA).....	—	—	—	4,292	—	—	—	—	—	—	—
San Francisquito 1 (CA).....	—	—	—	29,687	—	—	—	—	—	—	—
San Francisquito 2 (CA).....	—	—	—	10,866	—	—	—	—	—	—	—
Sawtelle (CA).....	—	—	—	—	—	—	—	—	—	—	—
Scattergood (CA).....	—	—	28,583	—	—	10,463	—	—	323	—	3
Upper Gorge (CA).....	—	—	—	18,275	—	—	—	—	—	—	—
Valley (CA).....	—	—	-862	—	—	—	—	—	—	—	12
Louisiana Pwr & Light Co.....	—	—	784,436	—	794,258	—	—	—	8,263	—	752
Buras (LA).....	—	—	777	—	—	—	—	—	15	—	2
Litle Gypsy (LA).....	—	—	234,399	—	—	—	—	—	2,344	—	76
Monroe (LA).....	—	—	—	—	—	—	—	—	—	—	—
Nine Mile Point (LA).....	—	—	445,355	—	—	—	—	—	4,652	—	235
Sterlington (LA).....	—	—	41,318	—	—	—	—	—	433	—	10
Thibodaux (LA).....	—	—	—	—	—	—	—	—	—	—	—
Waterford (LA).....	—	—	—	—	794,258	—	—	—	—	—	—
Waterford (LA).....	—	—	62,587	—	—	—	—	—	818	—	428
Louisville Gas & Elec Co.....	1,208,397	2,856	7,826	13,913	—	—	548	5	80	1,137	32
Cane Run (KY).....	285,853	1	6,388	—	—	—	132	*	65	168	1
Mill Creek (KY).....	598,046	2,740	1,298	—	—	—	274	5	13	555	27
Ohio Falls (KY).....	—	—	—	13,913	—	—	—	—	—	—	—
Paddys Run (KY).....	—	—	131	—	—	—	—	—	2	—	—
Trimble County (KY).....	324,498	115	—	—	—	—	142	*	—	415	4
Waterside (KY).....	—	—	—	—	—	—	—	—	*	—	—
Zorn (KY).....	—	—	9	—	—	—	—	—	—	—	—
Lower Colorado River Auth.....	177,397	3,033	441,123	57,332	—	—	115	6	4,193	844	193
Austin (TX).....	—	—	—	7,806	—	—	—	—	—	—	—
Buchanan (TX).....	—	—	—	8,633	—	—	—	—	—	—	—
Granite Shoals (TX).....	—	—	—	6,377	—	—	—	—	—	—	—
Inks (TX).....	—	—	—	3,769	—	—	—	—	—	—	—
Mansfield (TX).....	—	—	—	26,786	—	—	—	—	—	—	—
Marble Falls (TX).....	—	—	—	3,961	—	—	—	—	—	—	—
Sam K Seymour, Jr (TX).....	177,397	3,033	—	—	—	—	115	6	—	844	11
Sim Gideon (TX).....	—	—	289,490	—	—	—	—	—	2,673	—	103
T. C. Ferguson (TX).....	—	—	151,633	—	—	—	—	—	1,520	—	79
Lubbock (City of).....	—	—	32,892	—	—	—	—	—	405	—	—
Holly Ave (TX).....	—	—	20,879	—	—	—	—	—	266	—	—
LP&L Co GEN.....	—	—	12,013	—	—	—	—	—	140	—	—
Plant 2 (TX).....	—	—	—	—	—	—	—	—	—	—	—
Madison Gas & Elec Co.....	11,074	8	7,402	—	—	1,078	7	*	123	19	6
Blount Street (WI).....	11,074	—	6,253	—	—	1,078	7	—	104	19	2
Fitchburg (WI).....	—	—	787	—	—	—	—	—	13	—	2
Nine Springs (WI).....	—	8	39	—	—	—	—	*	1	—	*
Sycamore (WI).....	—	—	323	—	—	—	—	—	6	—	2
Maine Public Service Co.....	—	-97	—	251	—	—	—	*	—	—	1
Caribou (ME).....	—	-73	—	260	—	—	—	—	—	—	1
Flos Inn (ME).....	—	-24	—	—	—	—	—	*	—	—	*
Squa Pan (ME).....	—	—	—	-9	—	—	—	—	—	—	—
Maine Yankee Atomic Pwr C.....	—	—	—	—	—	—	—	—	—	—	—
Maine Yankee (ME).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Manitowoc (City of).....	9,686	5,669	—	—	—	—	5	*	—	28	1
Manitowoc (WI).....	9,686	5,669	—	—	—	—	5	*	—	28	1
Marquette (City of).....	18,451	17	—	2,764	—	—	13	*	—	24	2
Plant Four (MI).....	—	—	—	—	—	—	—	—	—	—	1
Plant Two (MI).....	—	—	—	2,273	—	—	—	—	—	—	—
Russell, Frank J (MI).....	—	—	—	491	—	—	—	—	—	—	—
Shiras (MI).....	18,451	17	—	—	—	—	13	*	—	24	1
Marshall (City of).....	-86	-28	34	—	—	—	—	—	3	—	1
Marshall (MO).....	-86	-28	34	—	—	—	—	—	3	—	1
Mass Mun Wholesale Elec.....	—	5,408	9,868	—	—	—	—	9	99	—	287
Stonybrook (MA).....	—	5,408	9,868	—	—	—	—	9	99	—	287
Maui Electric Co Ltd.....	—	94,115	—	—	—	—	—	134	—	—	143
Cook (HI).....	—	3,084	—	—	—	—	—	2	—	—	11
Kahului (HI).....	—	13,034	—	—	—	—	—	30	—	—	56
Lanai City (HI).....	—	—	—	—	—	—	—	—	—	—	—
Maalaea (HI).....	—	75,723	—	—	—	—	—	98	—	—	74
Miki Basin (HI).....	—	2,274	—	—	—	—	—	4	—	—	3
Mcpherson (City of).....	—	—	—	—	—	—	—	—	—	—	31
Plant No. 2 (KS).....	—	—	—	—	—	—	—	—	—	—	31
Medina Electric Coop Inc.....	—	—	—	—	—	—	—	—	—	—	18
Pearsall (TX).....	—	—	—	—	—	—	—	—	—	—	18
Merced Irrigation Dist.....	—	—	—	69,892	—	—	—	—	—	—	—
Canal Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Exchequer (CA).....	—	—	—	63,301	—	—	—	—	—	—	—
Fairfield (CA).....	—	—	—	—	—	—	—	—	—	—	—
Mcswain (CA).....	—	—	—	6,387	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	204	—	—	—	—	—	—	—
Metropolitan Edison Co.....	284,291	6,003	5,898	12,689	—	—	108	10	62	136	71
Hamilton (PA).....	—	93	—	—	—	—	—	*	—	—	4
Hunterstown (PA).....	—	2	479	—	—	—	—	*	8	—	8
Mountain (PA).....	—	1	414	—	—	—	—	*	7	—	6
Orrtanna (PA).....	—	51	—	—	—	—	—	*	—	—	4
Portland (PA).....	186,359	5,588	5,005	—	—	—	68	9	47	83	34
Shawnee (PA).....	—	17	—	—	—	—	—	*	—	—	5
Titus (PA).....	97,932	132	—	—	—	—	40	*	—	54	6
Tolna (PA).....	—	119	—	—	—	—	—	*	—	—	6
Yorkhaven (PA).....	—	—	—	12,689	—	—	—	—	—	—	—
Michigan So Cent Pwr Agen.....	15,749	6,353	—	—	—	—	9	*	—	26	5
Project I (MI).....	15,749	6,353	—	—	—	—	9	*	—	26	5
MidAmerican Energy.....	1,271,560	-39	8,247	214	—	—	797	*	111	714	87
Coralville (IA).....	—	—	230	—	—	—	—	—	4	—	—
Council Bluffs (IA).....	438,904	166	204	—	—	—	278	*	2	229	9
Electrifarm (IA).....	—	-76	-76	—	—	—	—	—	—	—	1
Louisa (IA).....	303,858	—	1,186	—	—	—	191	*	12	215	2
Moline (IL).....	—	—	143	214	—	—	—	—	3	—	—
Neal, George (IA).....	469,920	—	1,647	—	—	—	285	—	17	237	—
Parr (IA).....	—	—	-16	—	—	—	—	—	*	—	2
Pleasant Hill (IA).....	—	-89	—	—	—	—	—	—	—	—	62
River Hills (IA).....	—	-40	-41	—	—	—	—	—	—	—	4
Riverside (IA).....	58,878	—	903	—	—	—	43	—	10	32	—
Sycamore (IA).....	—	—	4,067	—	—	—	—	—	63	—	8
Minden (City of).....	—	—	—	—	—	—	—	—	—	—	*
Minden (LA).....	—	—	—	—	—	—	—	—	—	—	*
Minnesota Power & Lgt Co.....	527,174	632	—	76,970	—	—	320	1	—	390	6
Blanchard (MN).....	—	—	—	11,313	—	—	—	—	—	—	—
Boswell (MN).....	489,453	579	—	—	—	—	295	1	—	311	6
Fond Du Lac (MN).....	—	—	—	6,479	—	—	—	—	—	—	—
Hibbard, M L (MN).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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 & Lgt Co											
Knife Falls (MN).....	—	—	—	1,510	—	—	—	—	—	—	—
Laskin (MN).....	37,721	53	—	—	—	—	24	*	—	79	*
Little Falls (MN).....	—	—	—	3,266	—	—	—	—	—	—	—
Pillager (MN).....	—	—	—	1,232	—	—	—	—	—	—	—
Prairie River (MN).....	—	—	—	429	—	—	—	—	—	—	—
Scanlon (MN).....	—	—	—	1,043	—	—	—	—	—	—	—
Sylvan (MN).....	—	—	—	1,322	—	—	—	—	—	—	—
Thompson (MN).....	—	—	—	47,785	—	—	—	—	—	—	—
Winton (MN).....	—	—	—	2,591	—	—	—	—	—	—	—
Minnkota Power Coop Inc.	220,772	3,689	—	—	—	—	185	6	—	436	20
Grand Forks (ND).....	—	—	—	—	—	—	—	—	—	—	—
Harwood (ND).....	—	—	—	—	—	—	—	—	—	—	—
Young, Milton R (ND).....	220,772	3,689	—	—	—	—	185	6	—	436	20
Minnkota Power Coop Inc.	—	—	—	—	—	—	—	—	—	—	—
Hawley (MN).....	—	—	—	—	—	—	—	—	—	—	—
Mississippi Power Co.	884,211	842	110,204	—	—	—	441	1	2,484	521	36
Daniel, Victor J Jr. (MS).....	450,065	842	—	—	—	—	248	1	—	352	4
Eaton (MS).....	—	—	3,177	—	—	—	—	—	43	—	—
Standard Oil (MS).....	—	—	86,613	—	—	—	—	—	2,170	—	—
Sweat (MS).....	—	—	3,904	—	—	—	—	—	61	—	3
Watson (MS).....	434,146	—	16,510	—	—	—	193	—	209	169	29
Mississippi Pwr & Lgt Co.	—	288,223	155,296	—	—	—	—	416	1,519	—	1,453
Andrus (MS).....	—	—	—	—	—	—	—	—	—	—	1,061
Brown, Rex (MS).....	—	—	8,119	—	—	—	—	—	100	—	1
Delta (MS).....	—	—	2,140	—	—	—	—	—	25	—	28
Natchez (MS).....	—	—	—	—	—	—	—	—	—	—	—
Wilson, B (MS).....	—	288,223	145,037	—	—	—	—	416	1,394	—	364
Missouri Basin Mun Pwr											
Agency.....	—	—	—	—	—	—	—	—	—	—	4
Watertown (SD).....	—	—	—	—	—	—	—	—	—	—	4
Modesto Irrigation Dist.	—	8	4,707	1,661	—	—	—	*	45	—	10
McClure (CA).....	—	8	21	—	—	—	—	*	1	—	9
New Hogan (CA).....	—	—	—	1,654	—	—	—	—	—	—	—
Stone Drop (CA).....	—	—	—	7	—	—	—	—	—	—	—
Woodland (CA).....	—	—	4,686	—	—	—	—	—	45	—	1
Monongahela Power Co.	2,473,286	4,329	2,301	—	—	—	979	8	22	1,877	8
Albright (WV).....	35,129	489	—	—	—	—	16	1	—	91	1
Fort Martin (WV).....	425,534	516	—	—	—	—	162	1	—	361	4
Harrison (WV).....	1,265,245	—	2,301	—	—	—	489	—	22	808	*
Pleasants (WV).....	742,846	3,274	—	—	—	—	308	6	—	534	2
Rivesville (WV).....	5,351	50	—	—	—	—	3	*	—	14	*
Willow Island (WV).....	-819	—	—	—	—	—	—	—	—	70	*
Montana Dakota Utils Co.	342,091	137	138	—	—	—	293	*	1	199	6
Coyote (ND).....	278,290	137	—	—	—	—	233	*	—	149	4
Glendive (MT).....	—	—	72	—	—	—	—	—	*	—	1
Heskett (ND).....	37,691	—	—	—	—	—	34	—	—	39	—
Lewis & Clark (MT).....	26,110	—	4	—	—	—	25	—	*	11	—
Miles City (MT).....	—	—	70	—	—	—	—	—	1	—	1
Williston (ND).....	—	—	-8	—	—	—	—	—	—	—	—
Montana Power Co (The)	1,393,321	1,101	1,245	284,823	—	—	859	2	13	445	13
Black Eagle (MT).....	—	—	—	10,418	—	—	—	—	—	—	—
Cochrane (MT).....	—	—	—	33,933	—	—	—	—	—	—	—
Colstrip (MT).....	1,340,668	1,101	—	—	—	—	823	2	—	407	12
Corette, J E (MT).....	52,653	—	1,245	—	—	—	36	—	13	38	—
Frank Bird (MT).....	—	—	—	—	—	—	—	—	—	—	—
Hauser Lake (MT).....	—	—	—	11,770	—	—	—	—	—	—	—
Holter (MT).....	—	—	—	35,825	—	—	—	—	—	—	—
Kerr (MT).....	—	—	—	47,670	—	—	—	—	—	—	—
Lake Diesel (MT).....	—	—	—	—	—	—	—	—	—	—	—
Madison (MT).....	—	—	—	4,955	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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 Co (The)											
Milltown (MT).....	—	—	—	1,649	—	—	—	—	—	—	—
Morony (MT).....	—	—	—	33,410	—	—	—	—	—	—	—
Mystic Lake (MT).....	—	—	—	1,641	—	—	—	—	—	—	—
Rainbow (MT).....	—	—	—	21,064	—	—	—	—	—	—	—
Ryan (MT).....	—	—	—	42,149	—	—	—	—	—	—	—
Thompson Falls (MT).....	—	—	—	40,339	—	—	—	—	—	—	—
Yellowstone (MT).....	—	—	—	—	—	—	—	*	—	—	1
Montaup Electric Company.....	60,950	4,843	—	—	—	—	22	8	—	62	25
Somerset (MA).....	60,950	4,843	—	—	—	—	22	8	—	62	25
Moorhead (City of).....	—	—	—	—	—	—	—	—	—	2	*
Moorhead (MN).....	—	—	—	—	—	—	—	—	—	2	*
Morgan (City of).....	—	—	21	—	—	—	—	—	2	—	—
Morgan City (LA).....	—	—	21	—	—	—	—	—	2	—	—
Muscataine (City of).....	55,108	347	49	—	—	—	32	1	*	162	1
Muscataine (IA).....	55,108	347	49	—	—	—	32	1	*	162	1
N Y State Elec & Gas Corp.....	727,016	193	—	32,096	—	—	285	*	—	233	7
Cadyville (NY).....	—	—	—	3,124	—	—	—	—	—	—	—
Goudey (NY).....	46,715	5	—	—	—	—	18	*	—	29	1
Greenidge (NY).....	60,511	49	—	—	—	—	23	*	—	19	1
Harris Lake (NY).....	—	—	—	—	—	—	—	—	—	—	*
Hickling (NY).....	25,485	—	—	—	—	—	19	—	—	17	—
High Falls (NY).....	—	—	—	9,374	—	—	—	—	—	—	—
Jennison (NY).....	-359	—	—	—	—	—	—	—	—	7	—
Kents Falls (NY).....	—	—	—	7,629	—	—	—	—	—	—	—
Keuka (NY).....	—	—	—	—	—	—	—	—	—	—	—
Mechanicville (NY).....	—	—	—	8,316	—	—	—	—	—	—	—
Mill C (NY).....	—	—	—	287	—	—	—	—	—	—	—
Milliken (NY).....	168,122	15	—	—	—	—	66	*	—	48	2
Rainbow Falls (NY).....	—	—	—	1,072	—	—	—	—	—	—	—
Seneca Falls (NY).....	—	—	—	1,680	—	—	—	—	—	—	—
Somerset (NY).....	426,542	124	—	—	—	—	159	*	—	113	3
Waterloo (NY).....	—	—	—	614	—	—	—	—	—	—	—
Nantahala Pwr & Lgt Co.....	—	—	—	49,463	—	—	—	—	—	—	—
Bear Creek (NC).....	—	—	—	4,087	—	—	—	—	—	—	—
Bryson (NC).....	—	—	—	539	—	—	—	—	—	—	—
Cedar Cliff (NC).....	—	—	—	3,113	—	—	—	—	—	—	—
Dillsboro (NC).....	—	—	—	114	—	—	—	—	—	—	—
Franklin (NC).....	—	—	—	656	—	—	—	—	—	—	—
Mission (NC).....	—	—	—	—	—	—	—	—	—	—	—
Nantahala (NC).....	—	—	—	21,377	—	—	—	—	—	—	—
Queens Creek (NC).....	—	—	—	736	—	—	—	—	—	—	—
Tennessee Creek (NC).....	—	—	—	5,754	—	—	—	—	—	—	—
Thorpe (NC).....	—	—	—	11,553	—	—	—	—	—	—	—
Tuckasegee (NC).....	—	—	—	1,534	—	—	—	—	—	—	—
Nantucket Elec Co.....	—	12	—	—	—	—	—	*	—	—	6
Nantucket (MA).....	—	12	—	—	—	—	—	*	—	—	6
Natchitoches (City of).....	—	—	—	—	—	—	—	—	—	—	—
Natchitoches (LA).....	—	—	—	—	—	—	—	—	—	—	—
Nebraska City (City of).....	—	—	—	—	—	—	—	—	—	—	—
Nebraska City (NE).....	—	—	—	—	—	—	—	—	—	—	—
Syracuse No 2 (NE).....	—	—	—	—	—	—	—	—	—	—	—
Nebraska Pub Power Dist.....	753,223	301	6,455	30,549	543,981	—	465	1	70	1,060	19
Canaday (NE).....	—	—	—	—	—	—	—	—	—	—	—
Columbus (NE).....	—	—	—	10,675	—	—	—	—	—	—	—
Cooper (NE).....	—	—	—	—	543,981	—	—	—	—	—	—
David City (NE).....	—	12	10	—	—	—	—	*	*	—	*
Gentleman (NE).....	633,895	—	5,641	—	—	—	391	—	59	834	6
Hallam (NE).....	—	—	613	—	—	—	—	—	8	—	3
Hebron (NE).....	—	97	—	—	—	—	—	*	—	—	4

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Nebraska Pub Power Dist											
Kearney (NE).....	—	—	—	104	—	—	—	—	—	—	—
Lodgepole (NE).....	—	1	—	—	—	—	—	*	—	—	*
Lyons (NE).....	—	3	—	—	—	—	—	*	—	—	*
Madison (NE).....	—	3	4	—	—	—	—	*	*	—	*
Mc Cook (NE).....	—	155	—	—	—	—	—	1	—	—	5
Minnechadua (NE).....	—	—	—	—	—	—	—	—	—	—	—
Mobile (NE).....	—	—	—	—	—	—	—	—	—	—	—
Monroe (NE).....	—	—	—	2,172	—	—	—	—	—	—	—
North Platte (NE).....	—	—	—	16,686	—	—	—	—	—	—	—
Ord (NE).....	—	21	8	—	—	—	—	*	*	—	*
Sheldon (NE).....	119,328	—	172	—	—	—	74	—	2	226	—
Spencer (NE).....	—	—	—	912	—	—	—	—	—	—	—
Sutherland (NE).....	—	6	—	—	—	—	—	*	—	—	*
Wakefield (NE).....	—	3	7	—	—	—	—	*	*	—	*
Nevada Irrigation Dist											
Bowman (CA).....	—	—	—	54,404	—	—	—	—	—	—	—
Chicago Park (CA).....	—	—	—	78	—	—	—	—	—	—	—
Combie No (CA).....	—	—	—	24,174	—	—	—	—	—	—	—
Combie So (CA).....	—	—	—	816	—	—	—	—	—	—	—
Dutch Flat No.2 (CA).....	—	—	—	695	—	—	—	—	—	—	—
Rollins (CA).....	—	—	—	18,170	—	—	—	—	—	—	—
Scott Flat (CA).....	—	—	—	8,639	—	—	—	—	—	—	—
Scott Flat (CA).....	—	—	—	1,832	—	—	—	—	—	—	—
Nevada Power Co											
Clark (NV).....	224,423	797	165,377	—	—	—	104	1	1,523	281	37
Gardner, Reid (NV).....	—	—	158,078	—	—	—	—	—	1,436	—	8
Sun Peak (NV).....	224,423	797	—	—	—	—	104	1	—	281	1
Sunrise (NV).....	—	—	7,290	—	—	—	—	—	86	—	—
Sunrise (NV).....	—	—	9	—	—	—	—	—	1	—	28
New England Power Co											
Bear Swamp (MA).....	618,288	185,261	212,122	149,944	—	—	245	314	1,627	580	639
Bellows Falls (VT).....	—	—	—	-5,730	—	—	—	—	—	—	—
Brayton Point (MA).....	—	—	—	28,203	—	—	—	—	—	—	—
Comerford (NH).....	468,254	40,610	1,080	—	—	—	181	75	21	430	395
Deerfield No. 2 (MA).....	—	—	—	57,934	—	—	—	—	—	—	—
Deerfield No. 3 (MA).....	—	—	—	3,305	—	—	—	—	—	—	—
Deerfield No. 4 (MA).....	—	—	—	3,270	—	—	—	—	—	—	—
Deerfield No. 5 (MA).....	—	—	—	2,899	—	—	—	—	—	—	—
Fife Brook (MA).....	—	—	—	6,284	—	—	—	—	—	—	—
Gloucester (MA).....	—	446	—	3,533	—	—	—	—	—	—	—
Harriman (VT).....	—	—	—	—	—	—	—	1	—	—	2
Manchester Street (RI).....	—	—	211,042	11,477	—	—	—	—	1,606	—	21
McIndoes (NH).....	—	—	—	—	—	—	—	—	—	—	—
Moore (NH).....	—	—	—	—	—	—	—	—	—	—	—
Newburyport (MA).....	—	—	—	—	—	—	—	—	—	—	1
Salem Harbor (MA).....	150,034	144,205	—	—	—	—	64	238	—	150	220
Searsburg (VT).....	—	—	—	2,492	—	—	—	—	—	—	—
Sherman (MA).....	—	—	—	3,119	—	—	—	—	—	—	—
Vernon (NH).....	—	—	—	8,138	—	—	—	—	—	—	—
Vernon (VT).....	—	—	—	4,764	—	—	—	—	—	—	—
Wilder (NH).....	—	—	—	12,533	—	—	—	—	—	—	—
Wilder (VT).....	—	—	—	7,723	—	—	—	—	—	—	—
New Orleans Pub Serv Inc											
Michoud (LA).....	—	51,004	177,733	—	—	—	—	80	2,011	—	251
Paterson, A B (LA).....	—	50,990	177,733	—	—	—	—	80	2,011	—	249
Paterson, A B (LA).....	—	14	—	—	—	—	—	*	—	—	2
New Ulm (City of)											
New Ulm (MN).....	—	209	1,867	—	—	—	—	*	51	3	4
New Ulm (MN).....	—	209	1,867	—	—	—	—	*	51	3	4
Niagara Mohawk Power Corp											
Albany (NY).....	551,766	65,169	2,226	314,350	1,136,382	—	218	102	111	223	711
Allens Falls (NY).....	—	54,220	1,133	—	—	—	—	89	38	—	265
Baldwinsville (NY).....	—	—	—	2,347	—	—	—	—	—	—	—
Beardslee (NY).....	—	—	—	233	—	—	—	—	—	—	—
Beebe Island (NY).....	—	—	—	5,841	—	—	—	—	—	—	—
Belfort (NY).....	—	—	—	4,765	—	—	—	—	—	—	—
Bennetts Bridge (NY).....	—	—	—	1,202	—	—	—	—	—	—	—
Bennetts Bridge (NY).....	—	—	—	8,993	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Niagara Mohawk Power Corp											
Black River (NY).....	—	—	—	3,954	—	—	—	—	—	—	—
Blake (NY).....	—	—	—	9,424	—	—	—	—	—	—	—
Browns Falls (NY).....	—	—	—	6,816	—	—	—	—	—	—	—
Chasm (NY).....	—	—	—	840	—	—	—	—	—	—	—
Colton (NY).....	—	—	—	20,073	—	—	—	—	—	—	—
Deferiet (NY).....	—	—	—	6,178	—	—	—	—	—	—	—
Dunkirk (NY).....	283,572	852	—	—	—	—	107	1	—	137	1
Eagle (NY).....	—	—	—	3,420	—	—	—	—	—	—	—
East Norfolk (NY).....	—	—	—	2,299	—	—	—	—	—	—	—
Eel Weir (NY).....	—	—	—	981	—	—	—	—	—	—	—
Effley (NY).....	—	—	—	1,644	—	—	—	—	—	—	—
Elmer (NY).....	—	—	—	1,046	—	—	—	—	—	—	—
Ephratah (NY).....	—	—	—	1,759	—	—	—	—	—	—	—
Feeder Dam (NY).....	—	—	—	2,523	—	—	—	—	—	—	—
Five Falls (NY).....	—	—	—	15,639	—	—	—	—	—	—	—
Flat Rock (NY).....	—	—	—	2,039	—	—	—	—	—	—	—
Franklin (NY).....	—	—	—	1,456	—	—	—	—	—	—	—
Fulton (NY).....	—	—	—	452	—	—	—	—	—	—	—
Glenwood (NY).....	—	—	—	381	—	—	—	—	—	—	—
Granby (NY).....	—	—	—	4,338	—	—	—	—	—	—	—
Green Island (NY).....	—	—	—	3,125	—	—	—	—	—	—	—
Hannawa (NY).....	—	—	—	5,228	—	—	—	—	—	—	—
Herrings (NY).....	—	—	—	2,616	—	—	—	—	—	—	—
Heuvelton (NY).....	—	—	—	488	—	—	—	—	—	—	—
High Dam (NY).....	—	—	—	5,047	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	3,212	—	—	—	—	—	—	—
Higley (NY).....	—	—	—	3,344	—	—	—	—	—	—	—
Hogansburg (NY).....	—	—	—	226	—	—	—	—	—	—	—
Huntley, C R (NY).....	268,194	221	—	—	—	—	111	*	—	86	2
Hydraulic Race (NY).....	—	—	—	—	—	—	—	—	—	—	—
Inghams (NY).....	—	—	—	3,264	—	—	—	—	—	—	—
Johnsonville (NY).....	—	—	—	614	—	—	—	—	—	—	—
Kamargo (NY).....	—	—	—	2,182	—	—	—	—	—	—	—
Lighthouse Hill (NY).....	—	—	—	2,016	—	—	—	—	—	—	—
Macomb (NY).....	—	—	—	657	—	—	—	—	—	—	—
Mechanicville (NY).....	—	—	—	-21	—	—	—	—	—	—	—
Minetto (NY).....	—	—	—	4,014	—	—	—	—	—	—	—
Moshier (NY).....	—	—	—	4,245	—	—	—	—	—	—	—
Nine Mile Point (NY).....	—	9	—	—	1,136,382	—	—	*	—	—	1
Norfolk (NY).....	—	—	—	3,000	—	—	—	—	—	—	—
Norwood (NY).....	—	—	—	1,328	—	—	—	—	—	—	—
Oak Orchard (NY).....	—	—	—	—	—	—	—	—	—	—	—
Oswegatchie (NY).....	—	—	—	—	—	—	—	—	—	—	—
Oswego (NY).....	—	9,867	1,093	—	—	—	—	11	73	—	442
Oswego Falls Es (NY).....	—	—	—	2,784	—	—	—	—	—	—	—
Oswego Falls Ws (NY).....	—	—	—	1,196	—	—	—	—	—	—	—
Parishville (NY).....	—	—	—	-10	—	—	—	—	—	—	—
Piercefield (NY).....	—	—	—	1,108	—	—	—	—	—	—	—
Prospect (NY).....	—	—	—	9,242	—	—	—	—	—	—	—
Rainbow (NY).....	—	—	—	15,888	—	—	—	—	—	—	—
Raymondville (NY).....	—	—	—	1,270	—	—	—	—	—	—	—
Schaghticoke (NY).....	—	—	—	5,031	—	—	—	—	—	—	—
School Street (NY).....	—	—	—	19,312	—	—	—	—	—	—	—
Schuylerville (NY).....	—	—	—	758	—	—	—	—	—	—	—
Sewalls (NY).....	—	—	—	1,424	—	—	—	—	—	—	—
Sherman Island (NY).....	—	—	—	15,705	—	—	—	—	—	—	—
So Glens Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Soft Maple (NY).....	—	—	—	4,248	—	—	—	—	—	—	—
South Colton (NY).....	—	—	—	13,147	—	—	—	—	—	—	—
South Edwards (NY).....	—	—	—	1,911	—	—	—	—	—	—	—
Spier Falls (NY).....	—	—	—	24,806	—	—	—	—	—	—	—
Stark (NY).....	—	—	—	15,706	—	—	—	—	—	—	—
Stewarts Bridge (NY).....	—	—	—	1,269	—	—	—	—	—	—	—
Stuyvesant Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Sugar Island (NY).....	—	—	—	2,847	—	—	—	—	—	—	—
Talcville (NY).....	—	—	—	310	—	—	—	—	—	—	—
Taylorville (NY).....	—	—	—	2,348	—	—	—	—	—	—	—
Trenton (NY).....	—	—	—	15,489	—	—	—	—	—	—	—
Varick (NY).....	—	—	—	3,349	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Niagara Mohawk Power Corp											
Waterport (NY).....	—	—	—	731	—	—	—	—	—	—	—
West, E J (NY).....	—	—	—	949	—	—	—	—	—	—	—
Yaleville (NY).....	—	—	—	304	—	—	—	—	—	—	—
North Atlantic Energy Corp.....	—	—	—	—	832,366	—	—	—	—	—	—
Seabrook (NH).....	—	—	—	—	832,366	—	—	—	—	—	—
North Little Rk (City of).....	—	—	—	7,482	—	—	—	—	—	—	—
Murray (AR).....	—	—	—	7,482	—	—	—	—	—	—	—
Northeast Nucl Energy Co.....	—	—	—	—	-25,789	—	—	—	—	—	—
Millstone (CT).....	—	—	—	—	-25,789	—	—	—	—	—	—
Northern Ind Pub Serv Co.....	1,270,241	44,596	13,007	11,176	—	—	734	—	151	582	—
Bailly (IN).....	119,325	—	171	—	—	—	62	—	2	101	—
Michigan City (IN).....	189,638	—	8,541	—	—	—	114	—	97	64	—
Mitchell, Dean H (IN).....	150,984	—	801	—	—	—	95	—	10	81	—
Norway (IN).....	—	—	—	4,872	—	—	—	—	—	—	—
Oakdale (IN).....	—	—	—	6,304	—	—	—	—	—	—	—
Schahfer, R. M. (IN).....	810,294	44,596	3,494	—	—	—	462	—	42	336	—
Northern States Power Co.....	1,360,678	21,435	6,443	117,759	796,365	34,788	935	3	85	1,420	261
Angus Anson (SD).....	—	4	1,771	—	—	—	—	*	27	—	29
Apple River (WI).....	—	—	—	1,865	—	—	—	—	—	—	—
Bay Front (WI).....	15,555	—	1,592	—	—	5,276	8	—	19	2	—
Big Falls (WI).....	—	—	—	4,355	—	—	—	—	—	—	—
Black Dog (MN).....	121,771	—	790	—	—	—	79	—	8	78	*
Blue Lake (MN).....	—	-360	—	—	—	—	—	*	—	—	59
Cedar Falls (WI).....	—	—	—	3,734	—	—	—	—	—	—	—
Chippewa Falls (WI).....	—	—	—	9,340	—	—	—	—	—	—	—
Cornell (WI).....	—	—	—	9,186	—	—	—	—	—	—	—
Dells (WI).....	—	—	—	4,772	—	—	—	—	—	—	—
Flambeau (WI).....	—	—	-14	—	—	—	—	—	—	—	7
French Island (WI).....	—	-52	14	—	—	5,943	—	—	*	—	32
Granite City (MN).....	—	—	14	—	—	—	—	—	1	—	1
Hayward (WI).....	—	—	—	121	—	—	—	—	—	—	—
Hennepin Island (MN).....	—	—	—	7,316	—	—	—	—	—	—	—
High Bridge (MN).....	153,706	—	829	—	—	—	94	—	9	55	3
Holcombe (WI).....	—	—	—	14,901	—	—	—	—	—	—	—
Inver Hills (MN).....	—	-101	—	—	—	—	—	*	—	—	34
Jim Falls (WI).....	—	—	—	20,387	—	—	—	—	—	—	—
Key City (MN).....	—	—	-40	—	—	—	—	—	*	—	3
King (MN).....	20,608	4,026	456	—	—	—	11	—	4	198	—
Ladysmith (WI).....	—	—	—	1,501	—	—	—	—	—	—	—
Menomonie (WI).....	—	—	—	2,674	—	—	—	—	—	—	—
Minnesota Valley (MN).....	—	—	-36	—	—	—	—	—	—	—	*
Monticello (MN).....	—	—	—	—	49,004	—	—	—	—	—	—
Pathfinder (SD).....	—	—	-136	—	—	—	—	—	—	—	—
Prairie Island (MN).....	—	—	—	—	747,361	—	—	—	—	—	—
Redwing (MN).....	—	—	129	—	—	11,642	—	—	2	—	—
Riverdale (WI).....	—	—	—	378	—	—	—	—	—	—	—
Riverside (MN).....	216,965	16,092	754	—	—	—	130	*	8	117	*
Saxon Falls (MI).....	—	—	—	1,109	—	—	—	—	—	—	—
Sherburne County (MN).....	832,073	1,437	—	—	—	—	613	1	—	970	4
St Croix Falls (WI).....	—	—	—	15,069	—	—	—	—	—	—	—
Superior Falls (MI).....	—	—	—	1,342	—	—	—	—	—	—	—
Thornapple (WI).....	—	—	—	860	—	—	—	—	—	—	—
Trego (WI).....	—	—	—	823	—	—	—	—	—	—	—
West Faribault (MN).....	—	—	-14	—	—	—	—	—	—	—	—
Wheaton (WI).....	—	389	251	—	—	—	—	1	5	—	88
White River (WI).....	—	—	—	448	—	—	—	—	—	—	—
Wilmarth (MN).....	—	—	83	—	—	11,927	—	—	1	—	—
Wissota (WI).....	—	—	—	17,578	—	—	—	—	—	—	—
Northwestern Pub Serv Co.....	—	-58	-30	—	—	—	—	*	1	—	12
Aberdeen (SD).....	—	-6	—	—	—	—	—	—	—	—	4
Clark (SD).....	—	-3	—	—	—	—	—	*	—	—	*
Faulton (SD).....	—	-11	—	—	—	—	—	—	—	—	*
Highmore (SD).....	—	-18	—	—	—	—	—	—	—	—	*

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (Continued)

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)		
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Northwestern Pub Serv Co												
Huron (SD).....	—	—	—41	—	—	—	—	—	—	1	—	6
Mobile (SD).....	—	—6	—	—	—	—	—	—	*	—	—	*
Redfield (SD).....	—	—3	—6	—	—	—	—	—	*	*	—	*
Webster (SD).....	—	—16	—	—	—	—	—	—	—	—	—	*
Yankton New (SD).....	—	5	17	—	—	—	—	—	*	*	—	2
Oakdale South San Joaquin												
Beardsley (CA).....	—	—	—	66,186	—	—	—	—	—	—	—	—
Donnels (CA).....	—	—	—	6,217	—	—	—	—	—	—	—	—
Sand Bar (CA).....	—	—	—	37,207	—	—	—	—	—	—	—	—
Tulloch (CA).....	—	—	—	10,881	—	—	—	—	—	—	—	—
Tulloch (CA).....	—	—	—	11,881	—	—	—	—	—	—	—	—
Oglethorpe Power Corp												
Rocky Mountain (GA).....	—	—	—	-26,971	—	—	—	—	—	—	—	—
Tallassee (GA).....	—	—	—	-27,379	—	—	—	—	—	—	—	—
Tallassee (GA).....	—	—	—	408	—	—	—	—	—	—	—	—
Ohio Edison Co												
Burger, R E (OH).....	1,290,482	1,000	-382	—	—	—	—	544	2	—	946	34
Edgewater (OH).....	173,133	40	—	—	—	—	—	71	*	—	146	2
Gorge Steam (OH).....	—	3	-382	—	—	—	—	—	*	—	—	6
Mad River (OH).....	—	—	—	—	—	—	—	—	—	—	—	—
Niles (OH).....	—	-10	—	—	—	—	—	—	*	—	—	15
Niles (OH).....	124,185	532	—	—	—	—	—	55	1	—	41	8
Sammis (OH).....	993,164	435	—	—	—	—	—	418	1	—	759	3
West Lorain (OH).....	—	—	—	—	—	—	—	—	—	—	—	—
Ohio Power Co												
Gavin, Gen J M (OH).....	2,982,372	8,556	—	14,742	—	—	—	1,232	14	—	1,705	84
Kammer (WV).....	1,309,688	5,190	—	—	—	—	—	573	9	—	744	42
Mitchell (WV).....	392,010	156	—	—	—	—	—	153	*	—	225	1
Muskingum River (OH).....	887,026	2,061	—	—	—	—	—	337	3	—	412	29
Racine (OH).....	393,648	1,149	—	—	—	—	—	169	2	—	325	11
Tidd (OH).....	—	—	—	14,742	—	—	—	—	—	—	—	—
Ohio Valley Elec Corp.....												
Kyger Creek (OH).....	677,950	264	—	—	—	—	—	255	*	—	515	3
Kyger Creek (OH).....	677,950	264	—	—	—	—	—	255	*	—	515	3
Oklahoma Gas & Elec Co.....												
Arbuckle (OK).....	1,317,248	496	271,348	—	—	—	—	800	2	2,915	1,548	227
Conoco (OK).....	—	—	—	—	—	—	—	—	—	—	—	—
Enid (OK).....	—	—	40,289	—	—	—	—	—	—	354	—	—
Horseshoe Lake (OK).....	—	—	—	—	—	—	—	—	—	—	—	—
Muskogee (OK).....	—	—	—	—	—	—	—	—	—	—	—	41
Mustang (OK).....	918,282	—	3,766	—	—	—	—	566	—	25	951	—
Seminole (OK).....	—	—	21,301	—	—	—	—	—	—	230	—	—
Sooner (OK).....	—	—	205,983	—	—	—	—	—	—	2,306	—	165
Woodward (OK).....	398,966	496	—	—	—	—	—	234	2	—	597	21
Woodward (OK).....	—	—	9	—	—	—	—	—	—	*	—	—
Oklahoma Mun Power												
Authority.....	—	4	158	22,118	—	—	—	—	*	2	—	1
Kaw Hydro (OK).....	—	—	—	22,118	—	—	—	—	—	—	—	—
Ponca Steam (OK).....	—	—	—	—	—	—	—	—	—	—	—	—
Ponca Steam (OK).....	—	4	158	—	—	—	—	—	*	2	—	1
Omaha Public Power Dist.....												
Fort Calhoun (NE).....	660,759	536	4,577	—	-2,281	—	—	417	1	54	602	29
Jones Street (NE).....	—	-56	—	—	-2,281	—	—	—	—	—	—	17
Nebraska City (NE).....	382,002	592	—	—	—	—	—	236	1	—	308	5
North Omaha (NE).....	278,757	—	4,503	—	—	—	—	181	—	51	295	—
Sarpy (NE).....	—	—	74	—	—	—	—	—	—	3	—	6
Orange & Rockland Util Inc												
Bowline Point (NY).....	73,092	44,065	141,418	9,957	—	—	—	31	76	1,483	61	357
Grahamsville (NY).....	—	44,065	130,425	—	—	—	—	—	76	1,359	—	306
Hillburn (NY).....	—	—	—	2,518	—	—	—	—	—	—	—	—
Lovett (NY).....	—	—	—	—	—	—	—	—	—	—	—	3
Mongaup (NY).....	73,092	—	10,760	—	—	—	—	31	—	115	61	46
Rio (NY).....	—	—	—	1,739	—	—	—	—	—	—	—	—
Shoemaker (NY).....	—	—	—	3,639	—	—	—	—	—	—	—	—
Swinging Bridge 1 (NY).....	—	—	233	—	—	—	—	—	—	9	—	3
Swinging Bridge 2 (NY).....	—	—	—	1,673	—	—	—	—	—	—	—	—
Swinging Bridge 2 (NY).....	—	—	—	388	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Orlando (City of).....	545,440	69,511	73,987	—	—	—	206	115	769	168	118
Indian River (FL).....	—	67,442	73,987	—	—	—	—	112	769	—	114
St Cloud (FL).....	—	—	—	—	—	—	—	—	—	—	—
Stanton (FL).....	545,440	2,069	—	—	—	—	206	3	—	168	4
Oroville Wyandotte I Dist.....	—	—	—	76,750	—	—	—	—	—	—	—
Forbestown (CA).....	—	—	—	26,507	—	—	—	—	—	—	—
Kelly Ridge (CA).....	—	—	—	7,781	—	—	—	—	—	—	—
Sly Creek (CA).....	—	—	—	6,072	—	—	—	—	—	—	—
Woodleaf (CA).....	—	—	—	36,390	—	—	—	—	—	—	—
Orrville (City of).....	19,850	—	35	—	—	—	14	—	1	1	—
Orrville (OH).....	19,850	—	35	—	—	—	14	—	1	1	—
Ottawa (City of).....	—	-31	-9	—	—	—	—	*	*	—	2
Ottawa (KS).....	—	-31	-9	—	—	—	—	*	*	—	2
Otter Tail Power Co.....	344,074	169	—	2,315	—	—	208	*	—	216	21
Bemidji (MN).....	—	—	—	326	—	—	—	—	—	—	—
Big Stone (SD).....	293,198	50	—	—	—	—	174	*	—	200	6
Dayton Hollow (MN).....	—	—	—	704	—	—	—	—	—	—	—
Hoot Lake (MN).....	50,876	100	—	339	—	—	34	*	—	16	*
Jamestown (ND).....	—	21	—	—	—	—	—	*	—	—	8
Lake Preston (SD).....	—	-2	—	—	—	—	—	*	—	—	7
Pisgah (MN).....	—	—	—	457	—	—	—	—	—	—	—
Port 148 (MN).....	—	—	—	—	—	—	—	—	—	—	—
Taplin Gorge (MN).....	—	—	—	347	—	—	—	—	—	—	—
Wright (MN).....	—	—	—	142	—	—	—	—	—	—	—
Owatonna (City of).....	—	—	45	—	—	—	—	—	1	—	—
Owatonna (MN).....	—	—	45	—	—	—	—	—	1	—	—
Owensboro (City of).....	208,998	286	—	—	—	—	99	1	—	93	2
Elmer Smith (KY).....	208,998	286	—	—	—	—	99	1	—	93	2
Pacific Gas & Electric Co.....	—	4,760	848,870	1,372,569	1,556,965	299,659	—	11	8,558	—	1,553
Alta (CA).....	—	—	—	417	—	—	—	—	—	—	—
Angels (CA).....	—	—	—	—	—	—	—	—	—	—	—
Balch 1 (CA).....	—	—	—	23,396	—	—	—	—	—	—	—
Balch 2 (CA).....	—	—	—	76,572	—	—	—	—	—	—	—
Belden (CA).....	—	—	—	16,926	—	—	—	—	—	—	—
Black, James B (CA).....	—	—	—	88,020	—	—	—	—	—	—	—
Bucks Creek (CA).....	—	—	—	39,368	—	—	—	—	—	—	—
Butt Valley (CA).....	—	—	—	2,919	—	—	—	—	—	—	—
Caribou 1 (CA).....	—	—	—	4,527	—	—	—	—	—	—	—
Caribou 2 (CA).....	—	—	—	24,060	—	—	—	—	—	—	—
Centerville (CA).....	—	—	—	3,575	—	—	—	—	—	—	—
Chili Bar (CA).....	—	—	—	5,661	—	—	—	—	—	—	—
Coal Canyon (CA).....	—	—	—	325	—	—	—	—	—	—	—
Coleman (CA).....	—	—	—	8,546	—	—	—	—	—	—	—
Contra Costa (CA).....	—	—	39,029	—	—	—	—	—	396	—	459
Cow Creek (CA).....	—	—	—	1,420	—	—	—	—	—	—	—
Crane Valley (CA).....	—	—	—	476	—	—	—	—	—	—	—
Cresta (CA).....	—	—	—	51,407	—	—	—	—	—	—	—
De Sabla (CA).....	—	—	—	10,480	—	—	—	—	—	—	—
Deer Creek (CA).....	—	—	—	1,045	—	—	—	—	—	—	—
Diablo Canyon (CA).....	—	—	—	—	1,556,965	—	—	—	—	—	—
Downieville (CA).....	—	-5	—	—	—	—	—	—	—	—	*
Drum 1 (CA).....	—	—	—	—	—	—	—	—	—	—	—
Drum 2 (CA).....	—	—	—	35,604	—	—	—	—	—	—	—
Dutch Flat (CA).....	—	—	—	10,971	—	—	—	—	—	—	—
El Dorado (CA).....	—	—	—	—	—	—	—	—	—	—	—
Electra (CA).....	—	—	—	54,550	—	—	—	—	—	—	—
Haas (CA).....	—	—	—	66,253	—	—	—	—	—	—	—
Halsey (CA).....	—	—	—	5,878	—	—	—	—	—	—	—
Hamilton Branch (CA).....	—	—	—	2,992	—	—	—	—	—	—	—
Hat Creek 1 (CA).....	—	—	—	3,727	—	—	—	—	—	—	—
Hat Creek 2 (CA).....	—	—	—	5,737	—	—	—	—	—	—	—
Helms (CA).....	—	—	—	4,729	—	—	—	—	—	—	—
Hercules St (CA).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (Continued)

Company (Holding Company)	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 Co											
Humbolt Bay (CA).....	—	2	9,087	—	—	—	—	*	178	—	22
Hunters Point (CA).....	—	104	99,363	—	—	—	—	*	1,089	—	21
Inskip (CA).....	—	—	—	5,078	—	—	—	—	—	—	—
Kerckhoff (CA).....	—	—	—	2,320	—	—	—	—	—	—	—
Kerckhoff 2 (CA).....	—	—	—	82,121	—	—	—	—	—	—	—
Kern Canyon (CA).....	—	—	—	6,560	—	—	—	—	—	—	—
Kilarc (CA).....	—	—	—	2,374	—	—	—	—	—	—	—
Kings River (CA).....	—	—	—	34,983	—	—	—	—	—	—	—
Lime Saddle (CA).....	—	—	—	904	—	—	—	—	—	—	—
Merced Falls (CA).....	—	—	—	2,272	—	—	—	—	—	—	—
Mobile Turbine (CA).....	—	—	—	—	—	—	—	—	—	—	*
Morro Bay (CA).....	—	—	115,591	—	—	—	—	—	1,218	—	—
Moss Landing (CA).....	—	—	425,756	—	—	—	—	—	3,969	—	72
Murphys (CA).....	—	—	—	—	—	—	—	—	—	—	—
Narrows (CA).....	—	—	—	7,552	—	—	—	—	—	—	—
Newcastle (CA).....	—	—	—	5,147	—	—	—	—	—	—	—
Oak Flat (CA).....	—	—	—	476	—	—	—	—	—	—	—
Oakland (CA).....	—	73	—	—	—	—	—	*	—	—	21
Phoenix (CA).....	—	—	—	1,301	—	—	—	—	—	—	—
Pit 1 (CA).....	—	—	—	40,995	—	—	—	—	—	—	—
Pit 3 (CA).....	—	—	—	51,147	—	—	—	—	—	—	—
Pit 4 (CA).....	—	—	—	68,301	—	—	—	—	—	—	—
Pit 5 (CA).....	—	—	—	113,635	—	—	—	—	—	—	—
Pit 6 (CA).....	—	—	—	55,819	—	—	—	—	—	—	—
Pit 7 (CA).....	—	—	—	78,742	—	—	—	—	—	—	—
Pittsburg (CA).....	—	—	71,601	—	—	—	—	—	809	—	769
Poe (CA).....	—	—	—	41,835	—	—	—	—	—	—	—
Potrero (CA).....	—	4,586	88,443	—	—	—	—	10	898	—	189
Potter Valley (CA).....	—	—	—	6,754	—	—	—	—	—	—	—
PVUSA 1 (CA).....	—	—	—	—	—	77	—	—	—	—	—
Rock Creek (CA).....	—	—	—	80,175	—	—	—	—	—	—	—
Salt Springs (CA).....	—	—	—	12,961	—	—	—	—	—	—	—
San Joaquin No. 1a (CA).....	—	—	—	122	—	—	—	—	—	—	—
San Joaquin No. 2 (CA).....	—	—	—	1,974	—	—	—	—	—	—	—
San Joaquin 3 (CA).....	—	—	—	2,210	—	—	—	—	—	—	—
South (CA).....	—	—	—	3,708	—	—	—	—	—	—	—
Spaulding No. 1 (CA).....	—	—	—	3,486	—	—	—	—	—	—	—
Spaulding No. 2 (CA).....	—	—	—	980	—	—	—	—	—	—	—
Spaulding No. 3 (CA).....	—	—	—	4,347	—	—	—	—	—	—	—
Spring Gap (CA).....	—	—	—	4,131	—	—	—	—	—	—	—
Stanislaus (CA).....	—	—	—	39,784	—	—	—	—	—	—	—
The Geysers (CA).....	—	—	—	—	—	299,582	—	—	—	—	—
Tiger Creek (CA).....	—	—	—	17,474	—	—	—	—	—	—	—
Toadtown (CA).....	—	—	—	592	—	—	—	—	—	—	—
Tule River (CA).....	—	—	—	4,511	—	—	—	—	—	—	—
Volta (CA).....	—	—	—	5,875	—	—	—	—	—	—	—
Volta 2 (CA).....	—	—	—	724	—	—	—	—	—	—	—
West Point (CA).....	—	—	—	9,947	—	—	—	—	—	—	—
Wise (CA).....	—	—	—	9,495	—	—	—	—	—	—	—
Wishon, A G (CA).....	—	—	—	12,176	—	—	—	—	—	—	—
Pacificorp.	4,541,171	5,265	9,773	493,631	—	16,094	2,493	10	194	3,036	43
American Fork (UT).....	—	—	—	—	—	—	—	—	—	—	—
Ashton (ID).....	—	—	—	3,842	—	—	—	—	—	—	—
Beaver Upper (UT).....	—	—	—	989	—	—	—	—	—	—	—
Bend (OR).....	—	—	—	534	—	—	—	—	—	—	—
Big Fork (MT).....	—	—	—	1,451	—	—	—	—	—	—	—
Blundell (UT).....	—	—	—	—	—	16,094	—	—	—	—	—
Bridger, Jim (WY).....	1,208,403	1,548	—	—	—	—	587	3	—	376	15
Carbon (UT).....	96,181	195	—	—	—	—	45	*	—	37	*
Centralia (WA).....	905,400	173	—	—	—	—	577	*	—	405	4
Clearwater 1 (OR).....	—	—	—	5,425	—	—	—	—	—	—	—
Clearwater 2 (OR).....	—	—	—	7,966	—	—	—	—	—	—	—
Cline Falls (OR).....	—	—	—	456	—	—	—	—	—	—	—
Condit (WA).....	—	—	—	10,382	—	—	—	—	—	—	—
Copco 1 (CA).....	—	—	—	15,251	—	—	—	—	—	—	—
Copco 2 (CA).....	—	—	—	18,013	—	—	—	—	—	—	—
Cove (ID).....	—	—	—	5,161	—	—	—	—	—	—	—
Cutler (UT).....	—	—	—	20,061	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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											
Eagle Point (OR).....	—	—	—	602	—	—	—	—	—	—	—
East Side (OR).....	—	—	—	1,586	—	—	—	—	—	—	—
Fall Creek (CA).....	—	—	—	1,187	—	—	—	—	—	—	—
Fish Creek (OR).....	—	—	—	8,245	—	—	—	—	—	—	—
Ftn Green (UT).....	—	—	—	111	—	—	—	—	—	—	—
Gadsby (UT).....	—	—	-303	—	—	—	—	—	—	—	—
Grace (ID).....	—	—	—	22,862	—	—	—	—	—	—	—
Granite (UT).....	—	—	—	393	—	—	—	—	—	—	—
Hunter (emery) (UT).....	777,227	382	—	—	—	—	351	1	—	974	5
Huntington Canyon (UT).....	354,340	2,893	—	—	—	—	167	5	—	670	4
Hydro No. 1 (UT).....	—	—	—	303	—	—	—	—	—	—	—
Hydro No. 2 (UT).....	—	—	—	215	—	—	—	—	—	—	—
Hydro No. 3 (UT).....	—	—	—	285	—	—	—	—	—	—	—
Iron Gate (CA).....	—	—	—	13,400	—	—	—	—	—	—	—
John C Boyle (OR).....	—	—	—	53,109	—	—	—	—	—	—	—
Johnston, Dave (WY).....	545,399	49	—	—	—	—	383	*	—	273	7
Last Chance (UT).....	—	—	—	980	—	—	—	—	—	—	—
Lemolo 1 (OR).....	—	—	—	11,782	—	—	—	—	—	—	—
Lemolo 2 (OR).....	—	—	—	17,116	—	—	—	—	—	—	—
Little Mountain (UT).....	—	—	9,254	—	—	—	—	—	186	—	1
Merwin (WA).....	—	—	—	33,659	—	—	—	—	—	—	—
Naches (WA).....	—	—	—	2,949	—	—	—	—	—	—	—
Naches Drop (WA).....	—	—	—	788	—	—	—	—	—	—	—
Naughton (WY).....	415,901	—	822	—	—	—	208	—	8	302	1
Olmstead (UT).....	—	—	—	5,419	—	—	—	—	—	—	—
Oneida (ID).....	—	—	—	11,500	—	—	—	—	—	—	—
Paris (ID).....	—	—	—	124	—	—	—	—	—	—	—
Pioneer (UT).....	—	—	—	3,239	—	—	—	—	—	—	—
Powerdale (OR).....	—	—	—	4,351	—	—	—	—	—	—	—
Prospect 1 (OR).....	—	—	—	2,828	—	—	—	—	—	—	—
Prospect 2 (OR).....	—	—	—	25,431	—	—	—	—	—	—	—
Prospect 3 (OR).....	—	—	—	5,250	—	—	—	—	—	—	—
Prospect 4 (OR).....	—	—	—	532	—	—	—	—	—	—	—
Skookumchuck (WA).....	—	—	—	—	—	—	—	—	—	—	—
Slide Creek (OR).....	—	—	—	10,151	—	—	—	—	—	—	—
Snake Creek (UT).....	—	—	—	144	—	—	—	—	—	—	—
Soda (ID).....	—	—	—	4,667	—	—	—	—	—	—	—
Soda Springs (OR).....	—	—	—	7,537	—	—	—	—	—	—	—
St Anthony (ID).....	—	—	—	362	—	—	—	—	—	—	—
Stairs (UT).....	—	—	—	702	—	—	—	—	—	—	—
Swift No. 2 (WA).....	—	—	—	20,560	—	—	—	—	—	—	—
Swift 1 (WA).....	—	—	—	63,313	—	—	—	—	—	—	—
Toketee (OR).....	—	—	—	23,121	—	—	—	—	—	—	—
Viva (WY).....	—	—	—	55	—	—	—	—	—	—	—
Wallowa Falls (OR).....	—	—	—	—	—	—	—	—	—	—	—
Weber (UT).....	—	—	—	2,309	—	—	—	—	—	—	—
West Side (OR).....	—	—	—	322	—	—	—	—	—	—	—
Wyodak (WY).....	238,320	25	—	—	—	—	176	*	—	—	5
Yale (WA).....	—	—	—	42,611	—	—	—	—	—	—	—
Painesville (City of)											
Painesville (OH).....	10,492	—	26	—	—	—	6	—	*	14	2
	10,492	—	26	—	—	—	6	—	*	14	2
Pasadena (City of)											
Azusa (CA).....	—	—	6,883	603	—	—	—	—	101	—	5
Broadway (CA).....	—	—	6,829	603	—	—	—	—	100	—	5
Glenarm (CA).....	—	—	54	—	—	—	—	—	1	—	—
Peabody (City of)											
Waters River (MA).....	—	—	—	—	—	—	—	—	—	—	5
	—	—	—	—	—	—	—	—	—	—	5
Pella (City of)											
Pella (IA).....	2,479	—	—	—	—	—	2	—	—	1	—
	2,479	—	—	—	—	—	2	—	—	1	—
Pend Oreille Pub Util D # 1											
Box Canyon (WA).....	—	—	—	46,351	—	—	—	—	—	—	—
Calispel Creek (WA).....	—	—	—	46,063	—	—	—	—	—	—	—
	—	—	—	288	—	—	—	—	—	—	—
Pennsylvania Electric Co.	3,369,974	5,491	133	9,575	—	—	1,340	9	1	2,151	53

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Pennsylvania Electric Co											
Blossburg (PA).....	—	—	—	—	—	—	—	—	—	—	—
Conemaugh (PA).....	1,203,781	44	133	—	—	—	469	*	1	644	5
Deep Creek (MD).....	—	—	—	1,186	—	—	—	—	—	—	—
Homer City (PA).....	1,062,555	1,778	—	—	—	—	425	3	—	526	5
Keystone (PA).....	619,037	2,842	—	—	—	—	239	5	—	827	8
Piney (PA).....	—	—	—	10,539	—	—	—	—	—	—	—
Seneca (PA).....	—	—	—	-2,150	—	—	—	—	—	—	—
Seward (PA).....	89,643	474	—	—	—	—	42	1	—	52	1
Shawville (PA).....	375,760	395	—	—	—	—	155	1	—	67	10
Warren (PA).....	19,198	29	—	—	—	—	12	*	—	35	9
Wayne (PA).....	—	-71	—	—	—	—	—	—	—	—	16
Pennsylvania Power Co											
Mansfield, Bruce (PA).....	1,480,139	42	—	—	—	—	626	*	—	840	23
New Castle (PA).....	1,332,842	—	—	—	—	—	559	—	—	820	22
	147,297	42	—	—	—	—	66	*	—	20	1
Pennsylvania Pwr & Lgt Co											
Allentown (PA).....	1,632,359	67,720	—	84,525	881,231	—	685	20	—	3,664	1,609
Bruner Island (PA).....	—	5	—	—	—	—	—	*	—	—	5
Coal Storage (PA).....	705,035	1,007	—	—	—	—	270	2	—	156	7
Fishbach (PA).....	—	12	—	—	—	—	—	2	—	2,206	—
Harrisburg (PA).....	—	—	—	—	—	—	—	—	—	—	2
Harwood (PA).....	—	17	—	—	—	—	—	*	—	—	4
Holtwood (PA).....	19,987	19,384	—	71,534	—	—	17	*	—	84	*
Jenkins (PA).....	—	—	—	—	—	—	—	—	—	—	2
Loch Haven (PA).....	—	19	—	—	—	—	—	*	—	—	2
Martins Creek (PA).....	100,129	1,509	—	—	—	—	45	3	—	61	1,567
Montour (PA).....	626,727	1,886	—	—	—	—	245	11	—	563	11
Sunbury (PA).....	180,481	43,877	—	—	—	—	107	1	—	594	1
Susquehanna (PA).....	—	—	—	—	881,231	—	—	—	—	—	—
Wallenpaupack (PA).....	—	—	—	12,991	—	—	—	—	—	—	—
West Shore (PA).....	—	4	—	—	—	—	—	*	—	—	2
Williamsport (PA).....	—	—	—	—	—	—	—	—	—	—	2
Peru (City of)											
Peru (IL).....	—	-36	—	—	—	—	—	—	—	—	1
Peru Utilities											
Peru (IN).....	—	-53	—	—	—	—	—	—	—	1	*
	—	-53	—	—	—	—	—	—	—	1	*
Piqua (City of)											
Piqua (OH).....	-82	-6	—	—	—	—	—	*	—	—	3
	-82	-6	—	—	—	—	—	*	—	—	3
Placer County Wtr Agency											
French Meadows (CA).....	—	—	—	142,436	—	—	—	—	—	—	—
Hell Hole (CA).....	—	—	—	11,563	—	—	—	—	—	—	—
Middle Fork (CA).....	—	—	—	84	—	—	—	—	—	—	—
Oxbow (CA).....	—	—	—	67,699	—	—	—	—	—	—	—
Ralston (CA).....	—	—	—	4,214	—	—	—	—	—	—	—
	—	—	—	58,876	—	—	—	—	—	—	—
Plains El Gen Trans Coop											
Algodones (NM).....	128,459	—	185	—	—	—	74	—	3	70	9
Escalante (NM).....	—	—	—	—	—	—	—	—	—	—	—
	128,459	—	185	—	—	—	74	—	3	70	9
Plaquemine (City of)											
Plaquemine (LA).....	—	—	—	—	—	—	—	—	—	—	—
Platte River Power Auth											
Rawhide (CO).....	164,514	400	—	—	—	—	100	1	—	89	2
	164,514	400	—	—	—	—	100	1	—	89	2
Portland General Elec Co											
Beaver (OR).....	312,371	908	266,898	252,381	—	—	205	2	2,265	140	194
Bethel (OR).....	—	8	104,976	—	—	—	—	*	1,101	—	173
Boardman (OR).....	—	—	—	—	—	—	—	—	—	—	20
Bull Run (OR).....	312,371	900	—	—	—	—	205	2	—	140	1
Coyote Springs (OR).....	—	—	161,922	—	—	—	—	—	1,164	—	—
Faraday (OR).....	—	—	—	13,512	—	—	—	—	—	—	—
North Fork (OR).....	—	—	—	16,909	—	—	—	—	—	—	—
Oak Grove (OR).....	—	—	—	18,614	—	—	—	—	—	—	—
	—	—	—	25,106	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Portland General Elec Co											
Pelton (OR).....	—	—	—	43,100	—	—	—	—	—	—	—
Pelton Re Regulation (OR).....	—	—	—	8,493	—	—	—	—	—	—	—
Portland Hydro Proj 1 (OR).....	—	—	—	5,355	—	—	—	—	—	—	—
Portland Hydro Proj 2 (OR).....	—	—	—	—	—	—	—	—	—	—	—
River Mill (OR).....	—	—	—	9,979	—	—	—	—	—	—	—
Round Butte (OR).....	—	—	—	100,317	—	—	—	—	—	—	—
Sullivan (OR).....	—	—	—	10,996	—	—	—	—	—	—	—
Potomac Edison Co (The)	4,359	69	—	6,382	—	—	3	*	—	24	*
Dam 4 (WV).....	—	—	—	843	—	—	—	—	—	—	—
Dam 5 (WV).....	—	—	—	717	—	—	—	—	—	—	—
Luray (VA).....	—	—	—	1,129	—	—	—	—	—	—	—
Millville (WV).....	—	—	—	1,867	—	—	—	—	—	—	—
Newport (VA).....	—	—	—	832	—	—	—	—	—	—	—
Shenandoah (VA).....	—	—	—	583	—	—	—	—	—	—	—
Smith, R P (MD).....	4,359	69	—	—	—	—	3	*	—	24	*
Warren (VA).....	—	—	—	411	—	—	—	—	—	—	—
Potomac Electric Pwr Co	1,191,269	68,453	15,299	—	—	—	438	141	187	622	1,026
Benning (DC).....	—	-469	—	—	—	—	—	—	—	—	97
Buzzard Point (DC).....	—	-216	—	—	—	—	—	—	—	—	19
Chalk Point (MD).....	342,832	67,294	15,299	—	—	—	121	136	187	112	616
Dickerson (MD).....	278,447	180	—	—	—	—	102	1	—	178	153
Morgantown (MD).....	385,019	-116	—	—	—	—	137	*	—	249	140
Potomac River (VA).....	184,971	1,780	—	—	—	—	79	4	—	82	1
Power Authy of St of N Y	—	250,216	99,121	1,961,832	1,243,148	—	—	400	781	—	732
Ashokan (NY).....	—	—	—	2,390	—	—	—	—	—	—	—
Blenheim (NY).....	—	—	—	-75,844	—	—	—	—	—	—	—
Crescent (NY).....	—	—	—	7,241	—	—	—	—	—	—	—
Fitzpatrick (NY).....	—	—	—	—	536,985	—	—	—	—	—	—
Flynn (NY).....	—	—	99,121	—	—	—	—	—	781	—	80
Hinckley (NY).....	—	—	—	4,638	—	—	—	—	—	—	—
Indian Point (NY).....	—	—	—	—	706,163	—	—	—	—	—	—
Kensico (NY).....	—	—	—	1,143	—	—	—	—	—	—	—
Lewiston (NY).....	—	—	—	-17,847	—	—	—	—	—	—	—
Moses Niagara (NY).....	—	—	—	1,432,196	—	—	—	—	—	—	—
Moses Power Dam (NY).....	—	—	—	601,050	—	—	—	—	—	—	—
Poletti (NY).....	—	250,216	—	—	—	—	—	400	—	—	652
Vischer Ferry (NY).....	—	—	—	6,865	—	—	—	—	—	—	—
Princeton (City of)	—	3	18	—	—	—	—	*	*	—	1
Princeton (IL).....	—	3	18	—	—	—	—	*	*	—	1
Pub Serv Co of New Hamp	205,326	81,445	15	42,081	—	—	87	145	*	304	305
Amoskeag (NH).....	—	—	—	11,193	—	—	—	—	—	—	—
Ayers Island (NH).....	—	—	—	5,645	—	—	—	—	—	—	—
Canaan (VT).....	—	—	—	724	—	—	—	—	—	—	—
Eastman Falls (NH).....	—	—	—	3,590	—	—	—	—	—	—	—
Garvins Falls (NH).....	—	—	—	6,542	—	—	—	—	—	—	—
Gorham (NH).....	—	—	—	977	—	—	—	—	—	—	—
Hooksett (NH).....	—	—	—	808	—	—	—	—	—	—	—
Jackman (NH).....	—	—	—	1,187	—	—	—	—	—	—	—
Lost Nation (NH).....	—	-9	—	—	—	—	—	—	—	—	1
Merrimack (NH).....	133,073	169	—	—	—	—	52	*	—	282	3
Newington (NH).....	—	80,806	—	—	—	—	—	144	—	—	297
Schiller (NH).....	72,253	490	15	—	—	—	35	1	*	22	2
Smith (NH).....	—	—	—	11,415	—	—	—	—	—	—	—
White Lake (NH).....	—	-11	—	—	—	—	—	—	—	—	1
Pub Serv Co of New Mexico	742,453	561	2,738	—	—	—	441	1	39	660	36
Las Vegas (NM).....	—	3	—	—	—	—	—	*	—	—	4
Reeves (NM).....	—	—	2,738	—	—	—	—	—	39	—	—
San Juan (NM).....	742,453	558	—	—	—	—	441	1	—	660	33
Public Serv Elec & Gas Co	241,371	15,281	107,255	—	1,566,737	—	89	35	1,145	451	848
Bayonne (NJ).....	—	-23	—	—	—	—	—	—	—	—	4
Bergen (NJ).....	—	—	41,077	—	—	—	—	—	335	—	112
Burlington (NJ).....	—	-311	-311	—	—	—	—	*	—	—	72

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Public Serv Elec & Gas Co											
Edison (NJ).....	—	—	3,437	—	—	—	—	—	44	—	104
Essex (NJ).....	—	—	6,381	—	—	—	—	—	79	—	111
Hope Creek (NJ).....	—	—	—	—	706,533	—	—	—	—	—	—
Hudson (NJ).....	-888	—	-1,709	—	—	—	—	—	—	203	148
Kearny (NJ).....	—	1,024	-130	—	—	—	—	4	—	—	65
Linden (NJ).....	—	-616	3,815	—	—	—	—	—	40	—	102
Mercer (NJ).....	242,259	-54	1,880	—	—	—	89	—	18	248	—
National Park (NJ).....	—	-4	—	—	—	—	—	—	—	—	2
Salem (NJ).....	—	-2	—	—	860,204	—	—	—	—	—	13
Sewaren (NJ).....	—	15,267	52,815	—	—	—	—	32	630	—	114
Public Service Co of Colo											
Alamosa (CO).....	1,493,029	1,368	39,397	—	—	—	803	4	487	978	86
Ames (CO).....	—	108	218	—	—	—	—	1	10	—	8
Arapahoe (CO).....	—	—	—	360	—	—	—	—	—	—	—
Boulder Hydro (CO).....	73,860	—	4,846	—	—	—	51	—	53	90	—
Cabin Creek (CO).....	—	—	—	2,373	—	—	—	—	—	—	—
Cameo (CO).....	—	—	—	-17,945	—	—	—	—	—	—	—
Cameo (CO).....	49,663	—	10	—	—	—	28	—	*	20	*
Cherokee (CO).....	414,376	—	5,420	—	—	—	183	—	57	198	—
Comanche (CO).....	426,989	—	444	—	—	—	265	—	5	203	1
Fort Lupton (CO).....	—	1,194	2,925	—	—	—	—	3	40	—	14
Fort St. Vrain (CO).....	—	—	19,055	—	—	—	—	—	240	—	—
Fruita (CO).....	—	64	9	—	—	—	—	*	*	—	*
Georgetown Hydro (CO).....	—	—	—	114	—	—	—	—	—	—	—
Hayden (CO).....	304,158	1	172	—	—	—	150	*	2	116	1
Palisade Hydro (CO).....	—	—	—	1,476	—	—	—	—	—	—	—
Pawnee (CO).....	116,756	—	1,789	—	—	—	75	—	19	316	8
Salida No. 1 Hydro (CO).....	—	—	—	176	—	—	—	—	—	—	—
Salida No. 2 Hydro (CO).....	—	—	—	233	—	—	—	—	—	—	—
Shoshone Hydro (CO).....	—	—	—	10,326	—	—	—	—	—	—	—
Tacoma (CO).....	—	—	—	2,887	—	—	—	—	—	—	—
Valmont (CO).....	107,227	—	4,355	—	—	—	50	—	51	36	9
Zuni (CO).....	—	1	154	—	—	—	—	*	10	—	45
Public Service Co of Okla											
Comanche (OK).....	516,301	3	381,630	—	—	—	298	*	3,769	298	103
Northeastern (OK).....	—	—	146,289	—	—	—	—	—	1,306	—	*
Riverside (OK).....	516,301	3	75,824	—	—	—	298	*	809	298	*
Southwestern (OK).....	—	—	143,319	—	—	—	—	—	1,470	—	53
Tulsa (OK).....	—	—	16,198	—	—	—	—	—	184	—	49
Weleetka (OK).....	—	—	—	—	—	—	—	—	—	—	*
Puget Sound Pwr & Lgt Co											
Crystal Mountain (WA).....	—	1,464	1,433	66,100	—	—	—	8	29	—	56
Electron (WA).....	—	1	—	—	—	—	—	*	—	—	1
Frederickson (WA).....	—	—	817	-55	—	—	—	—	10	—	20
Fredonia (WA).....	—	—	—	—	—	—	—	—	—	—	21
Lower Baker (WA).....	—	—	—	10,139	—	—	—	—	—	—	—
Nooksack (WA).....	—	—	—	—	—	—	—	—	—	—	—
Snoqualmie (WA).....	—	—	—	22,792	—	—	—	—	—	—	—
South Whidbey (WA).....	—	—	—	—	—	—	—	—	—	—	2
Upper Baker (WA).....	—	—	—	16,314	—	—	—	—	—	—	—
White River (WA).....	—	—	—	16,910	—	—	—	—	—	—	—
Whitehorn (WA).....	—	1,463	616	—	—	—	—	8	19	—	13
PECO Energy Co											
Chester (PA).....	251,609	21,651	16,229	285,056	2,435,015	—	113	40	188	188	394
Conowingo (MD).....	—	—	—	—	—	—	—	—	—	—	5
Cromby (PA).....	—	—	—	309,535	—	—	—	—	—	—	—
Croydon (PA).....	75,521	14,784	505	—	—	—	33	26	6	57	1
Delaware (PA).....	—	-248	—	—	—	—	—	*	—	—	68
Eddystone (PA).....	—	—	—	—	—	—	—	—	—	—	72
Falls (PA).....	176,088	7,083	15,724	—	—	—	80	14	183	131	198
Limerick (PA).....	—	—	—	—	—	—	—	—	—	—	10
Moser (PA).....	—	—	—	858,612	—	—	—	—	—	—	—
Muddy Run (PA).....	—	—	—	—	—	—	—	—	—	—	10
Oil Storage (PA).....	—	—	—	-24,479	—	—	—	—	—	—	—
Peach Bottom (PA).....	—	—	—	—	—	—	—	—	—	—	—
Richmond (PA).....	—	—	—	—	1,576,403	—	—	—	—	—	19

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
PECO Energy Co											
Schuylkill (PA)	—	2	—	—	—	—	—	*	—	—	5
Southwark (PA)	—	30	—	—	—	—	—	*	—	—	5
PSI Energy, Inc	2,469,134	3,964	—	20,085	—	—	1,142	7	—	1,541	40
Cayuga (IN)	299,387	14	—	—	—	—	145	*	—	248	12
Connersville (IN)	—	—8	—	—	—	—	—	—	—	—	7
Edwardsport (IN)	10,899	73	—	—	—	—	7	*	—	63	5
Gallagher, R (IN)	245,665	1,581	—	—	—	—	100	3	—	148	2
Gibson (IN)	1,520,749	1,447	—	—	—	—	694	3	—	935	5
Markland (IN)	—	—	—	20,085	—	—	—	—	—	—	—
Miami Wabash (IN)	—	—18	—	—	—	—	—	—	—	—	7
Noblesville (IN)	31,079	111	—	—	—	—	19	*	—	19	1
Wabash River (IN)	361,355	764	—	—	—	—	177	1	—	128	3
Redding (City of)	—	—	115	1,899	—	—	—	—	2	—	—
Redding Power (CA)	—	—	115	—	—	—	—	—	2	—	—
Whiskeytown (CA)	—	—	—	1,899	—	—	—	—	—	—	—
Richmond (City of)	44,426	3	—	—	—	—	23	*	—	23	1
Whitewater Valley (IN)	44,426	3	—	—	—	—	23	*	—	23	1
Rochester (City of)	689	—13	68	1,851	—	—	1	*	2	30	2
Cascade Creek (MN)	—	—13	—	—	—	—	—	*	—	—	2
Rochester (MN)	—	—	—	1,851	—	—	—	—	—	—	—
Silver Lake (MN)	689	—	68	—	—	—	1	—	2	30	—
Rochester Gas & Elec Corp	117,765	70	3	33,639	357,409	—	46	*	*	146	2
Ginna (NY)	—	—	—	—	357,409	—	—	—	—	—	—
Station 160 (NY)	—	—	—	29	—	—	—	—	—	—	—
Station 170 (NY)	—	—	—	368	—	—	—	—	—	—	—
Station 172 (NY)	—	—	—	—	—	—	—	—	—	—	—
Station 2 (NY)	—	—	—	4,579	—	—	—	—	—	—	—
Station 26 (NY)	—	—	—	1,148	—	—	—	—	—	—	—
Station 3 (NY)	42,450	5	—	—	—	—	16	*	—	1	1
Station 5 (NY)	—	—	—	27,515	—	—	—	—	—	—	—
Station 7 (NY)	75,315	65	—	—	—	—	30	*	—	145	1
Station 9 (NY)	—	—	3	—	—	—	—	—	*	—	—
Rockville Ctr(Village of)	—	—59	—12	—	—	—	—	*	*	—	2
Rockville (NY)	—	—59	—12	—	—	—	—	*	*	—	2
Russell (City of)	—	54	542	—	—	—	—	*	26	—	2
Russell (KS)	—	54	542	—	—	—	—	*	26	—	2
Ruston (City of)	—	—	7,720	—	—	—	—	—	93	—	—
Ruston (LA)	—	—	7,720	—	—	—	—	—	93	—	—
Sacramento Mun Util Dist	—	—	17,515	319,352	—	5,037	—	*	216	—	3
Camino (CA)	—	—	—	71,103	—	—	—	—	—	—	—
Camp Far W (CA)	—	—	—	5,511	—	—	—	—	—	—	—
Carson (CA)	—	—	17,361	—	—	—	—	—	213	—	—
Coldwater Creek (CA)	—	—	—	—	—	—	—	—	—	—	—
Hedge PV (CA)	—	—	—	—	—	29	—	—	—	—	—
Jaybird (CA)	—	—	—	90,986	—	—	—	—	—	—	—
Jones Fork (CA)	—	—	—	4,243	—	—	—	—	—	—	—
Loon Lake (CA)	—	—	—	8,401	—	—	—	—	—	—	—
McClellan (CA)	—	—	154	—	—	—	—	*	4	—	3
Robbs Peak (CA)	—	—	—	8,421	—	—	—	—	—	—	—
Slab Creek (CA)	—	—	—	—	—	—	—	—	—	—	—
Smudgeo (CA)	—	—	—	—	—	4,780	—	—	—	—	—
Solano (CA)	—	—	—	—	—	77	—	—	—	—	—
Solar (CA)	—	—	—	—	—	151	—	—	—	—	—
Union Valley (CA)	—	—	—	19,405	—	—	—	—	—	—	—
White Rock (CA)	—	—	—	111,282	—	—	—	—	—	—	—
Safe Harbor Water Power Corp	—	—	—	205,476	—	—	—	—	—	—	—
Safe Harbor (PA)	—	—	—	205,476	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Saint Marys (City of).....	47	—	—	—	—	—	*	—	—	1	*
Saint Marys (OH).....	47	—	—	—	—	—	*	—	—	1	*
Salt River Project.....	1,863,663	2,806	25,329	17,763	—	—	886	5	281	766	285
Agua Fria (AZ).....	—	—	8,618	—	—	—	—	—	104	—	57
Coronado (AZ).....	440,939	1,116	—	—	—	—	235	2	—	196	17
Crosscut (AZ).....	—	—	—	1,025	—	—	—	—	—	—	—
Horse Mesa (AZ).....	—	—	—	8,387	—	—	—	—	—	—	—
Kyrene (AZ).....	—	—	708	—	—	—	—	—	15	—	51
Mormon Flat (AZ).....	—	—	—	6,364	—	—	—	—	—	—	—
Navajo (AZ).....	1,422,724	1,680	—	—	—	—	650	3	—	569	44
Roosevelt (AZ).....	—	—	—	623	—	—	—	—	—	—	—
San Tan (AZ).....	—	10	16,003	—	—	—	—	*	163	—	93
South Con (AZ).....	—	—	—	625	—	—	—	—	—	—	—
Stewart Mtn (AZ).....	—	—	—	739	—	—	—	—	—	—	—
Tnk Frm Stg (AZ).....	—	—	—	—	—	—	—	—	—	—	23
San Antonio Pub Serv Brd.....	481,877	1,023	473,725	—	—	—	271	2	4,762	655	330
Braunig, V H (TX).....	—	—	144,767	—	—	—	—	—	1,468	—	218
Deely, J T (TX).....	170,814	986	—	—	—	—	110	2	—	655	111
J K Spruce (TX).....	311,063	—	66	—	—	—	161	—	1	—	—
Leon Creek (TX).....	—	—	287	—	—	—	—	—	6	—	—
Mission Road (TX).....	—	—	105	—	—	—	—	—	3	—	—
Sommers, O W (TX).....	—	37	328,774	—	—	—	—	*	3,283	—	—
Tuttle, W B (TX).....	—	—	-274	—	—	—	—	—	—	—	—
San Diego Gas & Elec Co.....	—	57	321,727	—	—	—	—	*	3,429	—	559
Division (CA).....	—	20	—	—	—	—	—	*	—	—	—
El Cajon (CA).....	—	—	—	—	—	—	—	—	—	—	1
Encina (CA).....	—	—	129,880	—	—	—	—	—	1,428	—	278
Kearny (CA).....	—	36	153	—	—	—	—	*	3	—	36
Leased Strg (CA).....	—	—	—	—	—	—	—	—	—	—	*
Miramar (CA).....	—	—	34	—	—	—	—	—	1	—	4
Naval Station (CA).....	—	—	38	—	—	—	—	—	1	—	11
Naval Training Cntr (CA).....	—	—	7	—	—	—	—	—	*	—	1
North Island (CA).....	—	—	—	—	—	—	—	—	—	—	2
Silver Gate (CA).....	—	—	—	—	—	—	—	—	—	—	—
South Bay (CA).....	—	1	191,615	—	—	—	—	*	1,996	—	225
San Miguel Elec Coop Inc.....	279,937	282	—	—	—	—	312	1	—	371	19
San Miguel (TX).....	279,937	282	—	—	—	—	312	1	—	371	19
Santa Clara (City of).....	—	—	4,084	9,599	—	—	—	—	60	—	2
Black Butte (CA).....	—	—	—	—	—	—	—	—	—	—	—
Cogen Plant (CA).....	—	—	4,084	—	—	—	—	—	60	—	—
Gianera (CA).....	—	—	—	—	—	—	—	—	—	—	2
Grizzly (CA).....	—	—	—	6,309	—	—	—	—	—	—	—
Highline (CA).....	—	—	—	—	—	—	—	—	—	—	—
Stony Gorge (CA).....	—	—	—	3,290	—	—	—	—	—	—	—
Savannah Elec & Pwr Co.....	136,335	27,450	7,637	—	—	—	71	48	87	152	155
Boulevard (GA).....	—	—	—	—	—	—	—	—	—	—	9
McIntosh (GA).....	85,334	361	3,888	—	—	—	46	1	57	67	122
Port Wentworth (GA).....	51,001	27,089	3,749	—	—	—	25	47	31	85	24
Riverside (GA).....	—	—	—	—	—	—	—	—	—	—	—
Seattle (City of).....	—	—	—	576,270	—	—	—	—	—	—	—
Boundary (WA).....	—	—	—	346,393	—	—	—	—	—	—	—
Cedar Falls (WA).....	—	—	—	5,718	—	—	—	—	—	—	—
Diablo (WA).....	—	—	—	72,442	—	—	—	—	—	—	—
Gorge (WA).....	—	—	—	84,132	—	—	—	—	—	—	—
New Halem (WA).....	—	—	—	92	—	—	—	—	—	—	—
Ross Dam (WA).....	—	—	—	64,360	—	—	—	—	—	—	—
South Fork Tolt (WA).....	—	—	—	3,317	—	—	—	—	—	—	—
Seminole Electric Coop.....	510,868	50,497	—	—	—	—	210	3	—	436	3
Seminole (FL).....	510,868	50,497	—	—	—	—	210	3	—	436	3
Shelby (City of).....	6,038	2	3	—	—	—	4	*	*	*	*
Shelby (OH).....	6,038	2	3	—	—	—	4	*	*	*	*

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Sierra Pacific Power Co.	266,923	784	183,350	5,299	—	—	124	2	1,986	210	197
Battle Mt (NV)	—	-31	—	—	—	—	—	*	—	—	*
Brunswick (NV)	—	-33	—	—	—	—	—	*	—	—	*
Elko (NV)	—	—	—	—	—	—	—	—	—	—	—
Fallon (NV)	—	-1	—	—	—	—	—	—	—	—	—
Farad (CA)	—	—	—	-5	—	—	—	—	—	—	—
Fleish (NV)	—	—	—	1,525	—	—	—	—	—	—	—
Fort Churchill (NV)	—	—	93,248	—	—	—	—	—	937	—	84
Gabbs (NV)	—	-13	—	—	—	—	—	*	—	—	1
Kings Beach (CA)	—	-52	—	—	—	—	—	*	—	—	1
Lahontan (NV)	—	—	—	1,003	—	—	—	—	—	—	—
North Valmy (NV)	266,923	959	—	—	—	—	124	2	—	210	3
Portola (CA)	—	-13	—	—	—	—	—	*	—	—	*
Tracy (NV)	—	—	90,124	—	—	—	—	—	1,050	—	108
Valley Road (NV)	—	-32	—	—	—	—	—	*	—	—	*
Verdi (NV)	—	—	—	1,225	—	—	—	—	—	—	—
Washoe (NV)	—	—	—	1,267	—	—	—	—	—	—	—
Winnemucca (NV)	—	—	-22	—	—	—	—	—	*	—	*
26 Foot Drop (NV)	—	—	—	284	—	—	—	—	—	—	—
Sikeston (City of)	—	—	—	—	—	—	—	—	—	192	2
Coleman, E. P. (MO)	—	—	—	—	—	—	—	—	—	—	*
Sikeston (MO)	—	—	—	—	—	—	—	—	—	192	2
So Carolina Elec & Gas Co.	902,765	3,773	1,558	63,973	689,726	—	352	6	17	930	58
Burton (SC)	—	—	—	—	—	—	—	—	—	—	2
Canadys (SC)	157,765	—	65	—	—	—	66	—	1	88	8
Coit (SC)	—	—	—	—	—	—	—	—	—	—	4
Columbia Hydro (SC)	—	—	—	—	—	—	—	—	—	—	—
Cope (SC)	196,206	689	—	—	—	—	76	1	—	170	4
Faber Place (SC)	—	—	—	—	—	—	—	—	—	—	—
Fairfield County (SC)	—	—	—	-9,913	—	—	—	—	—	—	—
Hagood (SC)	—	—	—	—	—	—	—	—	—	—	11
Hardeeville (SC)	—	—	—	—	—	—	—	—	—	—	1
Mcmeekin (SC)	144,467	189	—	—	—	—	51	*	—	91	2
Neal Shoals (SC)	—	—	—	2,964	—	—	—	—	—	—	—
Parr (SC)	—	—	—	—	—	—	—	—	—	—	7
Parr Hydro (SC)	—	—	—	7,254	—	—	—	—	—	—	—
Saluda Hydro (SC)	—	—	—	53,166	—	—	—	—	—	—	—
Stevens Creek Hydro (GA)	—	—	—	10,502	—	—	—	—	—	—	—
Urquhart (SC)	65,069	91	1,418	—	—	—	29	*	15	65	3
V. C. Summer (SC)	—	—	—	—	689,726	—	—	—	—	—	—
Waterce (SC)	113,752	1,796	—	—	—	—	44	3	—	337	8
Williams (SC)	225,506	1,008	75	—	—	—	85	2	1	178	10
So Carolina Pub Serv Auth.	1,071,983	646	—	77,507	—	—	416	1	—	1,335	167
Cross (SC)	318,490	19	—	—	—	—	120	*	—	649	6
Grainger, Dolphus M (SC)	63,246	88	—	—	—	—	26	*	—	75	*
Hilton Head (SC)	—	—	—	—	—	—	—	—	—	—	41
Jefferies (SC)	154,314	3	—	16,113	—	—	62	*	—	132	72
Myrtle Beach (SC)	—	—	—	—	—	—	—	—	—	—	39
Spillway (SC)	—	—	—	948	—	—	—	—	—	—	—
St Stephens (SC)	—	—	—	60,446	—	—	—	—	—	—	—
Winyah (SC)	535,933	536	—	—	—	—	209	1	—	479	8
South Miss Elec Pwr Assoc.	183,335	266	33,368	—	—	—	78	*	383	224	12
Benndale (MS)	—	—	—	—	—	—	—	—	—	—	—
Morrow (MS)	183,335	266	—	—	—	—	78	*	—	224	8
Moselle (MS)	—	—	33,368	—	—	—	—	—	383	—	3
Paulding (MS)	—	—	—	—	—	—	—	—	—	—	1
South Texas Elec Coop Inc.	—	—	-83	—	—	—	—	—	1	—	18
Sam Rayburn (TX)	—	—	-83	—	—	—	—	—	1	—	18
Southern Calif Edison Co.	450,817	2,211	358,360	512,893	1,592,414	—	211	4	3,829	469	3,436
Alamitos (CA)	—	—	117,279	—	—	—	—	—	1,277	—	680
Baker Dam (CA)	—	—	—	—	—	—	—	—	—	—	—
Big Creek 1 (CA)	—	—	—	40,706	—	—	—	—	—	—	—
Big Creek 2 (CA)	—	—	—	30,658	—	—	—	—	—	—	—
Big Creek 2a (CA)	—	—	—	47,150	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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 Calif Edison Co											
Big Creek 3 (CA).....	—	—	—	111,810	—	—	—	—	—	—	—
Big Creek 4 (CA).....	—	—	—	65,749	—	—	—	—	—	—	—
Big Creek 8 (CA).....	—	—	—	33,357	—	—	—	—	—	—	—
Bishop Creek 2 (CA).....	—	—	—	2,775	—	—	—	—	—	—	—
Bishop Creek 3 (CA).....	—	—	—	2,827	—	—	—	—	—	—	—
Bishop Creek 4 (CA).....	—	—	—	4,291	—	—	—	—	—	—	—
Bishop Creek 5 (CA).....	—	—	—	1,460	—	—	—	—	—	—	—
Bishop Creek 6 (CA).....	—	—	—	1,107	—	—	—	—	—	—	—
Borel (CA).....	—	—	—	8,352	—	—	—	—	—	—	—
Cool Water (CA).....	—	—	5,864	—	—	—	—	—	60	—	358
Dominguez Hills (CA).....	—	—	—	—	—	—	—	—	—	—	1,615
Eastwood (CA).....	—	—	—	13,843	—	—	—	—	—	—	—
El Segundo (CA).....	—	—	3,123	—	—	—	—	—	46	—	30
Ellwood (CA).....	—	—	-3	—	—	—	—	—	—	—	—
Etiwanda (CA).....	—	—	-202	—	—	—	—	—	1	—	286
Fontana (CA).....	—	—	—	1,273	—	—	—	—	—	—	—
Highgrove (CA).....	—	—	-2	—	—	—	—	—	—	—	—
Huntington Beach (CA).....	—	—	50,690	—	—	—	—	—	545	—	164
Kaweah 1 (CA).....	—	—	—	1,334	—	—	—	—	—	—	—
Kaweah 2 (CA).....	—	—	—	512	—	—	—	—	—	—	—
Kaweah 3 (CA).....	—	—	—	3,135	—	—	—	—	—	—	—
Kern River 1 (CA).....	—	—	—	19,554	—	—	—	—	—	—	—
Kern River 3 (CA).....	—	—	—	28,832	—	—	—	—	—	—	—
Long Beach (CA).....	—	—	—	—	—	—	—	—	—	—	110
Lundy (CA).....	—	—	—	1,133	—	—	—	—	—	—	—
Lytile Creek (CA).....	—	—	—	375	—	—	—	—	—	—	—
Mammoth Pool (CA).....	—	—	—	71,110	—	—	—	—	—	—	—
Mandalay (CA).....	—	—	15,346	—	—	—	—	—	145	—	78
Mill Creek 1 (CA).....	—	—	—	441	—	—	—	—	—	—	—
Mill Creek 2&3 (CA).....	—	—	—	—	—	—	—	—	—	—	—
Mill Creek 3 (CA).....	—	—	—	1,196	—	—	—	—	—	—	—
Mohave (NV).....	450,817	—	3,873	—	—	—	211	—	38	469	—
Ontario 1 (CA).....	—	—	—	537	—	—	—	—	—	—	—
Ontario 2 (CA).....	—	—	—	261	—	—	—	—	—	—	—
Ormond Beach (CA).....	—	—	13,684	—	—	—	—	—	151	—	109
Pebbly Beach (CA).....	—	2,211	—	—	—	—	—	4	—	—	4
Poole (CA).....	—	—	—	2,920	—	—	—	—	—	—	—
Portal (CA).....	—	—	—	6,702	—	—	—	—	—	—	—
Redondo Beach (CA).....	—	—	148,710	—	—	—	—	—	1,565	—	—
Rush Creek (CA).....	—	—	—	3,102	—	—	—	—	—	—	—
San Bernardino (CA).....	—	—	-2	—	—	—	—	—	—	—	2
San Geronio (CA).....	—	—	—	133	—	—	—	—	—	—	—
San Geronio (CA).....	—	—	—	—	—	—	—	—	—	—	—
San Onofre (CA).....	—	—	—	—	1,592,414	—	—	—	—	—	—
Santa Ana 1 (CA).....	—	—	—	2,037	—	—	—	—	—	—	—
Santa Ana 2 (CA).....	—	—	—	990	—	—	—	—	—	—	—
Santa Ana 3 (CA).....	—	—	—	1,005	—	—	—	—	—	—	—
Sierra (CA).....	—	—	—	465	—	—	—	—	—	—	—
Tule River (CA).....	—	—	—	1,761	—	—	—	—	—	—	—
Southern Ill Pwr Coop											
Marion (IL).....	129,097	464	—	—	—	—	74	1	—	428	2
	129,097	464	—	—	—	—	74	1	—	428	2
Southern Indiana G & E Co											
A. B. Brown (IN).....	489,470	—	1,893	—	—	—	230	—	23	639	10
Broadway (IN).....	148,718	—	884	—	—	—	69	—	9	271	3
Culley (IN).....	—	—	801	—	—	—	—	—	11	—	7
Northeast (IN).....	250,456	—	157	—	—	—	118	—	2	230	—
Warrick (IN).....	90,296	—	51	—	—	—	42	—	1	138	—
Southwestern Elec Pwr Co											
Arsenal Hill (LA).....	1,003,180	1,676	262,444	—	—	—	625	3	2,687	1,152	114
Flint Creek (AR).....	332,292	525	—	—	—	—	210	1	—	244	6
Knox Lee (TX).....	—	—	119,856	—	—	—	—	—	1,191	—	56
Lieberman (LA).....	—	—	—	—	—	—	—	—	—	—	20
Lone Star (TX).....	—	—	—	—	—	—	—	—	—	—	3
Pirkey (TX).....	—	—	—	—	—	—	—	—	—	247	—
Welsh (TX).....	670,888	1,151	—	—	—	—	415	2	—	661	14
Wilkes (TX).....	—	—	142,588	—	—	—	—	—	1,496	—	15

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Southwestern Pub Serv Co.....	1,122,327	73	664,709	—	—	—	647	*	6,978	1,221	87
Carlsbad (NM).....	—	—	1,331	—	—	—	—	—	21	—	—
Cunningham (NM).....	—	—	163,035	—	—	—	—	—	1,508	—	—
Harrington (TX).....	508,231	—	313	—	—	—	298	—	3	540	—
Jones (TX).....	—	—	137,108	—	—	—	—	—	1,461	—	56
Maddox (NM).....	—	—	65,770	—	—	—	—	—	699	—	—
Moore County (TX).....	—	—	—59	—	—	—	—	—	—	—	—
Nichols (TX).....	—	73	168,778	—	—	—	—	*	1,779	—	—
Plant X (TX).....	—	—	123,546	—	—	—	—	—	1,440	—	31
Riverview (TX).....	—	—	3,156	—	—	—	—	—	50	—	—
Tolk Station (TX).....	614,096	—	1,731	—	—	—	349	—	17	681	—
Tucumcari (NM).....	—	—	—	—	—	—	—	—	—	—	1
Soyland Power Coop Inc.....	13,883	125	—	—	—	—	8	*	—	7	3
Pearl Station (IL).....	13,883	174	—	—	—	—	8	*	—	7	2
Pittsfield (IL).....	—	—49	—	—	—	—	—	—	—	—	*
Springfield (City of).....	123,904	162	—	—	—	—	70	*	—	83	9
Dallman (IL).....	91,980	80	—	—	—	—	50	*	—	78	—
Factory (IL).....	—	32	—	—	—	—	—	*	—	—	4
Lakeside (IL).....	31,924	17	—	—	—	—	20	*	—	5	2
Reynolds (IL).....	—	33	—	—	—	—	—	*	—	—	2
Springfield (City of).....	182,550	—	5,884	—	—	—	113	—	67	176	8
James River (MO).....	70,837	—	5,512	—	—	—	44	—	62	62	4
Main Street (MO).....	—	—	—	—	—	—	—	—	—	—	1
Southwest (MO).....	111,713	—	372	—	—	—	69	—	5	114	3
St Joseph Lgt & Pwr Co.....	10,091	472	204	—	—	—	6	2	6	62	51
Lake Road (MO).....	10,091	472	204	—	—	—	6	2	6	62	51
Sunflower Elec Coop.....	215,308	—	443	—	—	—	127	—	8	158	—
Garden City (KS).....	—	—	—40	—	—	—	—	—	3	—	—
Holcomb (KS).....	215,308	—	483	—	—	—	127	—	5	158	—
Superior Wtr Lt Pwr Co.....	—	—	—	—	—	—	—	—	—	—	—
Winslow (WI).....	—	—	—	—	—	—	—	—	—	—	—
Systems Energy Resources Inc.....	—	—	—	—	266,818	—	—	—	—	—	—
Grand Gulf (MS).....	—	—	—	—	266,818	—	—	—	—	—	—
Tacoma (City of).....	742	—	9	184,035	—	4,610	1	—	*	—	—
Alder (WA).....	—	—	—	16,176	—	—	—	—	—	—	—
Cushman 1 (WA).....	—	—	—	6,051	—	—	—	—	—	—	—
Cushman 2 (WA).....	—	—	—	10,443	—	—	—	—	—	—	—
La Grande (WA).....	—	—	—	25,030	—	—	—	—	—	—	—
Mayfield (WA).....	—	—	—	50,637	—	—	—	—	—	—	—
Mossyrock (WA).....	—	—	—	75,213	—	—	—	—	—	—	—
Steam Plant 2 (WA).....	742	—	9	—	—	4,610	1	—	*	—	—
Wynoochee (WA).....	—	—	—	485	—	—	—	—	—	—	—
Tallahassee (City of).....	—	14	62,400	2,004	—	—	—	*	740	—	232
Hopkins, Arvah B (FL).....	—	—	37,670	—	—	—	—	—	419	—	181
Jackson Bluff (FL).....	—	—	—	2,004	—	—	—	—	—	—	—
Purdom, S O (FL).....	—	14	24,730	—	—	—	—	*	320	—	51
Tampa Electric Co.....	1,221,124	11,995	—	—	—	—	581	23	—	2,098	233
Big Bend (FL).....	658,959	3,641	—	—	—	—	293	6	—	450	48
Coal Storage (FL).....	—	—	—	—	—	—	—	—	—	1,573	—
Gannon, F J (FL).....	562,165	2,613	—	—	—	—	287	6	—	74	4
Hookers Point (FL).....	—	1,385	—	—	—	—	—	5	—	—	166
S Dinner Lk (FL).....	—	—	—	—	—	—	—	—	—	—	—
S Phillips (FL).....	—	4,356	—	—	—	—	—	7	—	—	14
Taunton (City of).....	—	1,283	850	—	—	—	—	3	12	—	30
Cleary, B F (MA).....	—	1,283	850	—	—	—	—	3	12	—	30
Tennessee Valley Auth.....	5,908,778	104,104	—	1,429,988	3,623,059	—	2,567	187	—	4,535	736
Allen (TN).....	215,228	38,495	—	—	—	—	115	74	—	199	137

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (Continued)

Company (Holding Company)	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)
Tennessee Valley Auth											
Apalachia (TN).....	—	—	—	30,074	—	—	—	—	—	—	—
Blue Ridge (GA).....	—	—	—	7,325	—	—	—	—	—	—	—
Boone (TN).....	—	—	—	28,445	—	—	—	—	—	—	—
Browns Ferry (AL).....	—	—	—	—	1,178,984	—	—	—	—	—	—
Bull Run (TN).....	382,130	3,009	—	—	—	—	139	5	—	114	4
Chatuge (NC).....	—	—	—	2,408	—	—	—	—	—	—	—
Cherokee (TN).....	—	—	—	47,992	—	—	—	—	—	—	—
Chickamauga (TN).....	—	—	—	64,800	—	—	—	—	—	—	—
Colbert (AL).....	649,919	51,060	—	—	—	—	273	88	—	537	127
Cumberland (TN).....	830,519	2,659	—	—	—	—	347	4	—	759	11
Douglas (TN).....	—	—	—	51,354	—	—	—	—	—	—	—
Fontana (NC).....	—	—	—	54,155	—	—	—	—	—	—	—
Fort Loudoun (TN).....	—	—	—	75,320	—	—	—	—	—	—	—
Fort Patrick Henry (TN).....	—	—	—	17,482	—	—	—	—	—	—	—
Gallatin (TN).....	517,764	4,799	—	—	—	—	245	8	—	335	124
Great Falls (TN).....	—	—	—	25,599	—	—	—	—	—	—	—
Guntersville (AL).....	—	—	—	58,710	—	—	—	—	—	—	—
Hiwassee (NC).....	—	—	—	15,135	—	—	—	—	—	—	—
Johnsonville (TN).....	637,887	794	—	—	—	—	293	2	—	409	316
Kentucky (KY).....	—	—	—	88,704	—	—	—	—	—	—	—
Kingston (TN).....	875,038	197	—	—	—	—	348	*	—	174	3
Melton Hill (TN).....	—	—	—	27,223	—	—	—	—	—	—	—
Nickajack (TN).....	—	—	—	35,965	—	—	—	—	—	—	—
Norris (TN).....	—	—	—	46,336	—	—	—	—	—	—	—
Nottely (GA).....	—	—	—	2,333	—	—	—	—	—	—	—
Ocoee 1 (TN).....	—	—	—	12,020	—	—	—	—	—	—	—
Ocoee 2 (TN).....	—	—	—	12,747	—	—	—	—	—	—	—
Ocoee 3 (TN).....	—	—	—	19,565	—	—	—	—	—	—	—
Paradise (KY).....	276,823	386	—	—	—	—	123	1	—	955	*
Pickwick (TN).....	—	—	—	121,153	—	—	—	—	—	—	—
Raccoon Mountain (TN).....	—	—	—	-38,549	—	—	—	—	—	—	—
Sequoyah (TN).....	—	—	—	—	1,650,882	—	—	—	—	—	—
Sevier, John (TN).....	324,695	281	—	—	—	—	123	*	—	141	2
Shawnee (KY).....	692,235	1,584	—	—	—	—	316	3	—	558	4
South Holston (TN).....	—	—	—	21,518	—	—	—	—	—	—	—
Tims Ford (TN).....	—	—	—	12,592	—	—	—	—	—	—	—
Watauga (TN).....	—	—	—	24,158	—	—	—	—	—	—	—
Watts Bar (TN).....	-87	—	—	—	—	—	—	—	—	—	—
Watts Bar (TN).....	—	—	—	89,542	—	—	—	—	—	—	—
Watts Bar (TN).....	—	—	—	—	793,193	—	—	—	—	—	—
Wheeler (AL).....	—	—	—	172,752	—	—	—	—	—	—	—
Widows Creek (AL).....	506,627	840	—	—	—	—	244	2	—	354	8
Wilbur (TN).....	—	—	—	4,225	—	—	—	—	—	—	—
Wilson (AL).....	—	—	—	298,905	—	—	—	—	—	—	—
Terrebonne Parish Consol											
Govt.....	—	-25	6,785	—	—	—	—	—	89	—	1
Houma (LA).....	—	-25	6,785	—	—	—	—	—	89	—	1
Texas Mun Power Agency											
Gibbons Creek (TX).....	291,311	30	—	—	—	—	176	*	—	92	*
	291,311	30	—	—	—	—	176	*	—	92	*
Texas Utilities Elec Co											
Big Brown (TX).....	3,065,410	868	2,367,838	—	817,704	—	2,565	2	24,467	2,161	2,318
Collin (TX).....	539,892	—	3,247	—	—	—	439	—	34	218	—
Comanche Peak (TX).....	—	—	3,499	—	—	—	—	—	54	—	52
Dallas (TX).....	—	—	—	—	817,704	—	—	—	—	—	—
De Cordova (TX).....	—	—	283,842	—	—	—	—	—	2,735	—	4
Eagle Mountain (TX).....	—	—	43,310	—	—	—	—	—	560	—	232
Graham (TX).....	—	—	141,993	—	—	—	—	—	1,365	—	70
Handley (TX).....	—	—	257,725	—	—	—	—	—	2,857	—	124
Lake Creek (TX).....	—	—	65,055	—	—	—	—	—	642	—	259
Lake Hubbard (TX).....	—	—	212,621	—	—	—	—	—	2,152	—	53
Martin Lake (TX).....	1,467,470	132	—	—	—	—	1,196	*	—	504	232
Monticello (TX).....	656,303	652	—	—	—	—	605	2	—	318	22
Morgan Creek (TX).....	—	—	85,783	—	—	—	—	—	1,162	—	15
Mountain Creek (TX).....	—	—	189,543	—	—	—	—	—	1,951	—	238
North Lake (TX).....	—	—	47,856	—	—	—	—	—	533	—	156
North Main (TX).....	—	—	-90	—	—	—	—	—	—	—	123

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Texas Utilities Elec Co											
Parkdale (TX).....	—	—	13,269	—	—	—	—	—	185	—	4
Permian Basin (TX).....	—	—	247,505	—	—	—	—	—	2,473	—	217
River Crest (TX).....	—	—	-115	—	—	—	—	—	—	—	3
Sandow (TX).....	401,745	76	—	—	—	—	324	*	—	1,120	—
Stryker Creek (TX).....	—	8	10,003	—	—	—	—	*	186	—	94
Tradinghouse Creek (TX).....	—	—	476,537	—	—	—	—	—	4,665	—	194
Trinidad (TX).....	—	—	-96	—	—	—	—	—	5	—	41
Valley (TX).....	—	—	286,351	—	—	—	—	—	2,908	—	186
Texas-New Mexico Power Co	195,680	—	1,992	—	—	—	169	—	23	36	—
Lordsburg (NM).....	—	—	—	—	—	—	—	—	—	—	—
TNP One (TX).....	195,680	—	1,992	—	—	—	169	—	23	36	—
Toledo Edison Co (The)	279,661	354	—	—	154,910	—	153	1	*	63	3
Acme (OH).....	—	—	—	—	—	—	—	—	—	—	—
Bay Shore (OH).....	279,661	358	—	—	—	—	153	1	—	63	1
Davis-Besse (OH).....	—	—	—	—	154,910	—	—	—	—	—	—
Richland (OH).....	—	-4	—	—	—	—	—	*	*	—	2
Stryker (OH).....	—	—	—	—	—	—	—	—	—	—	*
Traverse (City of)	—	—	—	1,182	—	—	—	—	—	12	—
Bayside (MI).....	—	—	—	—	—	—	—	—	—	12	—
Boardman (MI).....	—	—	—	532	—	—	—	—	—	—	—
Brown Bridge (MI).....	—	—	—	227	—	—	—	—	—	—	—
Elk Rapids (MI).....	—	—	—	167	—	—	—	—	—	—	—
Sabin (MI).....	—	—	—	256	—	—	—	—	—	—	—
Tri-state G & T Assn Inc	592,590	758	224	—	—	—	303	2	2	1,419	22
Burlington (CO).....	—	655	—	—	—	—	—	1	—	—	19
Craig (CO).....	534,767	—	224	—	—	—	273	—	2	1,385	2
Nucila (CO).....	57,823	103	—	—	—	—	30	*	—	35	1
Tucson Electric Power Co	518,785	464	1,048	—	—	—	277	1	38	325	19
De Moss Petrie (AZ).....	—	—	77	—	—	—	—	—	1	—	4
Irrington (AZ).....	22,297	—	1,028	—	—	—	12	—	37	41	5
North Loop (AZ).....	—	—	-57	—	—	—	—	—	—	—	7
Springerville (AZ).....	496,488	464	—	—	—	—	265	1	—	284	4
Turlock Irrigation Dist	—	—	-110	98,229	—	—	—	—	*	—	3
Almond (CA).....	—	—	-99	—	—	—	—	—	—	—	—
Hickman (CA).....	—	—	—	313	—	—	—	—	—	—	—
Lagrange (CA).....	—	—	—	3,292	—	—	—	—	—	—	—
New Don Pedro (CA).....	—	—	—	93,089	—	—	—	—	—	—	—
Turlock Lake (CA).....	—	—	—	652	—	—	—	—	—	—	—
Uppr Dawson (CA).....	—	—	—	883	—	—	—	—	—	—	—
Walnut (CA).....	—	—	-11	—	—	—	—	—	*	—	3
Union Electric Co	2,363,884	2,175	7,565	186,120	17,788	3,331	1,415	6	102	1,691	80
Callaway (MO).....	—	—	—	—	17,788	—	—	—	—	—	—
Canton (MO).....	—	—	—	—	—	—	—	—	—	—	—
Howard Bend (MO).....	—	-16	—	—	—	—	—	—	—	—	3
Jefferson City (MO).....	—	92	—	—	—	—	—	*	—	—	4
Keokuk (IA).....	—	—	—	53,441	—	—	—	—	—	—	—
Kirksville (MO).....	—	—	-7	—	—	—	—	—	—	—	—
Labadie (MO).....	1,245,512	385	—	—	—	—	752	1	—	393	22
Meramec (MO).....	251,278	147	6,547	—	—	—	141	*	75	209	5
Mexico (MO).....	—	3	—	—	—	—	—	*	—	—	5
Moberly (MO).....	—	17	—	—	—	—	—	*	—	—	4
Moreau (MO).....	—	—	—	—	—	—	—	—	—	—	5
Osage (MO).....	—	—	—	135,652	—	—	—	—	—	—	—
Portable (MO).....	—	—	—	—	—	—	—	—	—	—	—
Rush Island (MO).....	686,203	154	—	—	—	—	416	*	—	420	3
Sioux (MO).....	180,891	798	—	—	—	3,331	106	2	—	669	1
Taum Sauk (MO).....	—	—	—	-2,973	—	—	—	—	—	—	—
Venice No. 2 (IL).....	—	595	1,010	—	—	—	—	3	26	—	29
Viaduct (MO).....	—	—	15	—	—	—	—	—	1	—	—
United Gas Imp Co (The)	25,318	84	—	—	—	—	19	*	—	29	*
Hunlock Creek (PA).....	25,318	84	—	—	—	—	19	*	—	29	*

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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 Co.....	230,983	55,039	—	—	—	—	90	90	—	101	694
Bridgeport Harbor (CT).....	230,983	36,849	—	—	—	—	90	58	—	101	119
English (CT).....	—	—	—	—	—	—	—	—	—	—	—
New Haven Harbor (CT).....	—	18,190	—	—	—	—	—	31	—	—	575
United Power Assn.....	109,618	46	508	—	—	11,893	89	*	10	99	8
Cambridge (MN).....	—	—	—	—	—	—	—	—	—	—	2
Elk River (MN).....	—	—	508	—	—	11,893	—	—	10	—	1
Maple Lake (MN).....	—	—	—	—	—	—	—	—	—	—	2
Rock Lake (MN).....	—	—	—	—	—	—	—	—	—	—	2
Stanton (ND).....	109,618	46	—	—	—	—	89	*	—	99	1
Utilicorp United Inc.....	131,165	48	383	—	—	—	74	*	8	167	49
Green, Ralph (MO).....	—	—	23	—	—	—	—	—	1	—	—
Greenwood (MO).....	—	—	373	—	—	—	—	—	7	—	45
Kci (MO).....	—	—	-13	—	—	—	—	—	—	—	—
Nevada (MO).....	—	-12	—	—	—	—	—	—	—	—	3
Sibley (MO).....	131,165	60	—	—	—	—	74	*	—	167	1
UtiliCorp United Inc.....	15,052	11	32,395	—	—	—	9	*	418	17	8
Cimarron River (KS).....	—	—	16,573	—	—	—	—	—	226	—	—
Clark, W N (CO).....	15,052	—	—	—	—	—	9	—	—	17	—
Clifton (KS).....	—	—	-4	—	—	—	—	—	*	—	—
Judson Large (KS).....	—	—	-367	—	—	—	—	—	3	—	2
Mullergren, Arthur (KS).....	—	—	16,193	—	—	—	—	—	189	—	1
Pueblo (CO).....	—	8	—	—	—	—	—	*	—	—	4
Rocky Ford (CO).....	—	3	—	—	—	—	—	*	—	—	1
USBR-Great Plains Region.....	—	—	—	301,761	—	—	—	—	—	—	—
Alcova (WY).....	—	—	—	23,509	—	—	—	—	—	—	—
Big Thompson (CO).....	—	—	—	-12	—	—	—	—	—	—	—
Boysen (WY).....	—	—	—	10,555	—	—	—	—	—	—	—
Buffalo Bill (WY).....	—	—	—	9,213	—	—	—	—	—	—	—
Canyon Ferry (MT).....	—	—	—	39,932	—	—	—	—	—	—	—
Estes (CO).....	—	—	—	-52	—	—	—	—	—	—	—
Flatiron (CO).....	—	—	—	424	—	—	—	—	—	—	—
Fremont Canyon (WY).....	—	—	—	42,296	—	—	—	—	—	—	—
Glendo (WY).....	—	—	—	21,014	—	—	—	—	—	—	—
Green Mountain (CO).....	—	—	—	4,096	—	—	—	—	—	—	—
Guernsey (WY).....	—	—	—	4,400	—	—	—	—	—	—	—
Heart Mountain (WY).....	—	—	—	-5	—	—	—	—	—	—	—
Kortes (WY).....	—	—	—	23,558	—	—	—	—	—	—	—
Marys Lake (CO).....	—	—	—	-34	—	—	—	—	—	—	—
Mount Elbert (CO).....	—	—	—	-8,313	—	—	—	—	—	—	—
Pilot Butte (WY).....	—	—	—	-5	—	—	—	—	—	—	—
Pole Hill (CO).....	—	—	—	12	—	—	—	—	—	—	—
Seminole (WY).....	—	—	—	22,993	—	—	—	—	—	—	—
Shoshone (WY).....	—	—	—	1,995	—	—	—	—	—	—	—
Spirit Mountain (WY).....	—	—	—	-4	—	—	—	—	—	—	—
Yellowtail (MT).....	—	—	—	106,189	—	—	—	—	—	—	—
USBR-Lower Colorado Region.....	—	—	—	728,737	—	—	—	—	—	—	—
Davis (AZ).....	—	—	—	128,003	—	—	—	—	—	—	—
Hoover (AZ).....	—	—	—	283,249	—	—	—	—	—	—	—
Hoover (NV).....	—	—	—	262,564	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	54,921	—	—	—	—	—	—	—
USBR-Mid Pacific Region.....	—	—	—	646,751	—	—	—	—	—	—	—
Folsom (CA).....	—	—	—	92,458	—	—	—	—	—	—	—
Judge F Carr (CA).....	—	—	—	81,340	—	—	—	—	—	—	—
Keswick (CA).....	—	—	—	42,646	—	—	—	—	—	—	—
Lewiston (CA).....	—	—	—	238	—	—	—	—	—	—	—
New Melones (CA).....	—	—	—	58,987	—	—	—	—	—	—	—
Nimbus (CA).....	—	—	—	8,426	—	—	—	—	—	—	—
O'Neill (CA).....	—	—	—	5	—	—	—	—	—	—	—
Shasta (CA).....	—	—	—	167,493	—	—	—	—	—	—	—
Spring Creek (CA).....	—	—	—	103,778	—	—	—	—	—	—	—
Stampede (CA).....	—	—	—	2,497	—	—	—	—	—	—	—
Trinity (CA).....	—	—	—	88,883	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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-Pacific NW Region	—	—	—	1,291,093	—	—	—	—	—	—	—
Anderson Ranch (ID).....	—	—	—	25,460	—	—	—	—	—	—	—
Black Canyon (ID).....	—	—	—	6,717	—	—	—	—	—	—	—
Boise River Div (ID).....	—	—	—	—	—	—	—	—	—	—	—
Chandler (WA).....	—	—	—	5,233	—	—	—	—	—	—	—
Grand Coulee (WA).....	—	—	—	1,152,877	—	—	—	—	—	—	—
Green Springs (OR).....	—	—	—	—	—	—	—	—	—	—	—
Hungry Horse (MT).....	—	—	—	1,302	—	—	—	—	—	—	—
Minidoka (ID).....	—	—	—	15,601	—	—	—	—	—	—	—
Palisades (ID).....	—	—	—	75,492	—	—	—	—	—	—	—
Roza (WA).....	—	—	—	8,411	—	—	—	—	—	—	—
USBR-Upper Colorado Region	—	—	—	530,401	—	—	—	—	—	—	—
Blue Mesa (CO).....	—	—	—	16,113	—	—	—	—	—	—	—
Crystal (CO).....	—	—	—	14,717	—	—	—	—	—	—	—
Deer Creek (UT).....	—	—	—	2,745	—	—	—	—	—	—	—
Elephant Butte (NM).....	—	—	—	14,152	—	—	—	—	—	—	—
Flaming Gorge (UT).....	—	—	—	67,954	—	—	—	—	—	—	—
Fontenelle (WY).....	—	—	—	5,204	—	—	—	—	—	—	—
Glen Canyon (AZ).....	—	—	—	382,266	—	—	—	—	—	—	—
Lower Molina (CO).....	—	—	—	1,906	—	—	—	—	—	—	—
McPhee (CO).....	—	—	—	84	—	—	—	—	—	—	—
Morrow Point (CO).....	—	—	—	22,047	—	—	—	—	—	—	—
Towaoc (CO).....	—	—	—	—	—	—	—	—	—	—	—
Upper Molina (CO).....	—	—	—	3,213	—	—	—	—	—	—	—
USCE-Fort Worth District	—	—	—	27,111	—	—	—	—	—	—	—
R D Willis (TX).....	—	—	—	3,143	—	—	—	—	—	—	—
Sam Rayburn (TX).....	—	—	—	19,810	—	—	—	—	—	—	—
Whitney (TX).....	—	—	—	4,158	—	—	—	—	—	—	—
USCE-Hartwell Power Plant	—	—	—	105,151	—	—	—	—	—	—	—
Hartwell (GA).....	—	—	—	105,151	—	—	—	—	—	—	—
USCE-J Strom Thur Pwr Plt	—	—	—	181,569	—	—	—	—	—	—	—
J Strom Thurmond (SC).....	—	—	—	181,569	—	—	—	—	—	—	—
USCE-Kansas City Dist	—	—	—	78,024	—	—	—	—	—	—	—
Harry S Truman (MO).....	—	—	—	72,513	—	—	—	—	—	—	—
Stockton (MO).....	—	—	—	5,511	—	—	—	—	—	—	—
USCE-Little Rock	—	—	—	357,360	—	—	—	—	—	—	—
Beaver (AR).....	—	—	—	18,356	—	—	—	—	—	—	—
Bull Shoals (AR).....	—	—	—	96,490	—	—	—	—	—	—	—
Dardanelle (AR).....	—	—	—	52,934	—	—	—	—	—	—	—
Greers Ferry (AR).....	—	—	—	31,850	—	—	—	—	—	—	—
Norfolk (AR).....	—	—	—	32,512	—	—	—	—	—	—	—
Ozark (AR).....	—	—	—	31,521	—	—	—	—	—	—	—
Table Rock (MO).....	—	—	—	93,697	—	—	—	—	—	—	—
USCE-Missouri River District	—	—	—	598,292	—	—	—	—	—	—	—
Big Bend (SD).....	—	—	—	50,976	—	—	—	—	—	—	—
Fort Peck (MT).....	—	—	—	66,207	—	—	—	—	—	—	—
Fort Randall (SD).....	—	—	—	115,951	—	—	—	—	—	—	—
Garrison (ND).....	—	—	—	167,436	—	—	—	—	—	—	—
Gavins Point (NE).....	—	—	—	58,224	—	—	—	—	—	—	—
Oahe (SD).....	—	—	—	139,498	—	—	—	—	—	—	—
USCE-Mobile District	—	—	—	303,228	—	—	—	—	—	—	—
Allatoona (GA).....	—	—	—	32,279	—	—	—	—	—	—	—
Buford (GA).....	—	—	—	27,405	—	—	—	—	—	—	—
Carters (GA).....	—	—	—	41,304	—	—	—	—	—	—	—
J Woodruff (FL).....	—	—	—	15,089	—	—	—	—	—	—	—
Jones Bluff (AL).....	—	—	—	48,509	—	—	—	—	—	—	—
Millers Ferry (AL).....	—	—	—	29,688	—	—	—	—	—	—	—
Walter F George (GA).....	—	—	—	74,790	—	—	—	—	—	—	—
West Point (GA).....	—	—	—	34,164	—	—	—	—	—	—	—
USCE-Nashville	—	—	—	453,493	—	—	—	—	—	—	—
Barkley (KY).....	—	—	—	58,378	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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-Nashville											
Center Hill (TN).....	—	—	—	92,409	—	—	—	—	—	—	—
Cheatham (TN).....	—	—	—	15,207	—	—	—	—	—	—	—
Cordell Hull (TN).....	—	—	—	57,075	—	—	—	—	—	—	—
Dale Hollow (TN).....	—	—	—	20,974	—	—	—	—	—	—	—
J Percy Priest (TN).....	—	—	—	9,322	—	—	—	—	—	—	—
Laurel (KY).....	—	—	—	22,511	—	—	—	—	—	—	—
Old Hickory (TN).....	—	—	—	69,738	—	—	—	—	—	—	—
Wolf Creek (KY).....	—	—	—	107,879	—	—	—	—	—	—	—
USCE-North Pacific Div.....	—	—	—	4,074,289	—	—	—	—	—	—	—
Albeni Falls (ID).....	—	—	—	20,824	—	—	—	—	—	—	—
Big Cliff (OR).....	—	—	—	2,953	—	—	—	—	—	—	—
Bonneville (OR).....	—	—	—	422,329	—	—	—	—	—	—	—
Chief Joseph (WA).....	—	—	—	641,628	—	—	—	—	—	—	—
Cougar (OR).....	—	—	—	5,146	—	—	—	—	—	—	—
Detroit (OR).....	—	—	—	17,758	—	—	—	—	—	—	—
Dexter (OR).....	—	—	—	—	—	—	—	—	—	—	—
Dworshak (ID).....	—	—	—	142,227	—	—	—	—	—	—	—
Foster (OR).....	—	—	—	6,445	—	—	—	—	—	—	—
Green Peter (OR).....	—	—	—	7,372	—	—	—	—	—	—	—
Hills Creek (OR).....	—	—	—	12,156	—	—	—	—	—	—	—
Ice Harbor (WA).....	—	—	—	128,629	—	—	—	—	—	—	—
John Day (OR).....	—	—	—	767,009	—	—	—	—	—	—	—
Libby (MT).....	—	—	—	58,290	—	—	—	—	—	—	—
Little Goose (WA).....	—	—	—	230,330	—	—	—	—	—	—	—
Lookout Point (OR).....	—	—	—	12,163	—	—	—	—	—	—	—
Lost Creek (OR).....	—	—	—	29,861	—	—	—	—	—	—	—
Lower Granite (WA).....	—	—	—	272,079	—	—	—	—	—	—	—
Lower Monumental (WA).....	—	—	—	265,402	—	—	—	—	—	—	—
McNary (OR).....	—	—	—	481,883	—	—	—	—	—	—	—
The Dalles (WA).....	—	—	—	549,805	—	—	—	—	—	—	—
USCE-R B Russell.....	—	—	—	105,668	—	—	—	—	—	—	—
R B Russell (GA).....	—	—	—	105,668	—	—	—	—	—	—	—
USCE-St Louis Dist.....	—	—	—	24,222	—	—	—	—	—	—	—
Clarence Canyon (MO).....	—	—	—	24,222	—	—	—	—	—	—	—
USCE-Tulsa District.....	—	—	—	279,914	—	—	—	—	—	—	—
Broken Bow (OK).....	—	—	—	4,717	—	—	—	—	—	—	—
Denison (TX).....	—	—	—	22,836	—	—	—	—	—	—	—
Eufaula (OK).....	—	—	—	51,101	—	—	—	—	—	—	—
Fort Gibson (OK).....	—	—	—	34,872	—	—	—	—	—	—	—
Keystone (OK).....	—	—	—	36,140	—	—	—	—	—	—	—
Robert S Kerr (OK).....	—	—	—	78,545	—	—	—	—	—	—	—
Tenkiller Ferry (OK).....	—	—	—	27,062	—	—	—	—	—	—	—
Webbers Falls (OK).....	—	—	—	24,641	—	—	—	—	—	—	—
USCE-Vickburg District.....	—	—	—	19,284	—	—	—	—	—	—	—
Blakely Mountain (AR).....	—	—	—	12,163	—	—	—	—	—	—	—
Degray (AR).....	—	—	—	5,337	—	—	—	—	—	—	—
Narrows (AR).....	—	—	—	1,784	—	—	—	—	—	—	—
USCE-Wilmington.....	—	—	—	103,089	—	—	—	—	—	—	—
John H Kerr (VA).....	—	—	—	98,806	—	—	—	—	—	—	—
Philpott (VA).....	—	—	—	4,283	—	—	—	—	—	—	—
Vero Beach (City of).....	—	—	3,345	—	—	—	—	—	34	—	57
Municipal Plant (FL).....	—	—	3,345	—	—	—	—	—	34	—	57
Vineland (City of).....	—	—	—	—	—	—	—	—	—	11	30
Down, Howard (NJ).....	—	—	—	—	—	—	—	—	—	11	20
West (NJ).....	—	—	—	—	—	—	—	—	—	—	9
Virginia (City of).....	3,790	—	1,236	—	—	—	2	—	11	*	—
Virginia (MN).....	3,790	—	1,236	—	—	—	2	—	11	*	—
Virginia Elec & Power Co.....	2,637,559	74,935	60,727	74,553	1,897,109	—	1,041	122	581	1,228	1,410
Bath County (VA).....	—	—	—	-62,110	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Virginia Elec & Power Co											
Bremo Bluff (VA).....	81,296	319	—	—	—	—	33	1	—	50	3
Chesapeake (VA).....	324,087	858	—	—	—	—	124	1	—	182	15
Chesterfield (VA).....	684,921	650	56,814	—	—	—	265	1	542	271	89
Clover (VA).....	258,763	661	—	—	—	—	100	1	—	250	5
Cushaw (VA).....	—	—	—	1,892	—	—	—	—	—	—	—
Darbytown (VA).....	—	—	—	—	—	—	—	—	—	—	67
Gaston (NC).....	—	—	—	69,766	—	—	—	—	—	—	—
Gravel Neck (VA).....	—	—	—	—	—	—	—	—	—	—	64
Kitty Hawk (NC).....	—	—	—	—	—	—	—	—	—	—	10
Low Moor (VA).....	—	—	—	—	—	—	—	—	—	—	9
Mt Storm (WV).....	1,019,923	1,525	—	—	—	—	407	3	—	410	11
North Anna (VA).....	—	—	—	578	714,404	—	—	—	—	—	—
North Branch (WV).....	—	—	—	—	—	—	—	—	—	—	—
Northern Neck (VA).....	—	—	—	—	—	—	—	—	—	—	10
Possum Point (VA).....	170,716	304	—	—	—	—	72	1	—	38	352
Roanoke Rapids (NC).....	—	—	—	64,427	—	—	—	—	—	—	—
Surry (VA).....	—	—	—	—	1,182,705	—	—	—	—	—	—
Yktn Term A (VA).....	—	—	—	—	—	—	—	—	—	—	526
Yorktown (VA).....	97,853	70,618	3,913	—	—	—	40	114	39	27	196
1st Energy (VA).....	—	—	—	—	—	—	—	—	—	—	53
Vt Yankee Nuclear Pr Corp	—	—	—	—	—	—	—	—	—	—	—
Vt. Yankee (VT).....	—	—	—	—	—	—	—	—	—	—	—
Wash Pub Pwr Supply Systm	—	—	—	3,255	446,168	—	—	—	—	—	—
Packwood (WA).....	—	—	—	3,255	—	—	—	—	—	—	—
WNP-2 (WA).....	—	—	—	—	446,168	—	—	—	—	—	—
Washington Wtr Pwr Co(The	—	—	10,543	338,103	—	25,769	—	—	123	—	—
Cabinet Gorge (ID).....	—	—	—	88,259	—	—	—	—	—	—	—
Kettle Fls (WA).....	—	—	—	—	—	25,769	—	—	—	—	—
Little Falls (WA).....	—	—	—	24,733	—	—	—	—	—	—	—
Long Lake (WA).....	—	—	—	58,000	—	—	—	—	—	—	—
Meyers Falls (WA).....	—	—	—	850	—	—	—	—	—	—	—
Monroe Street (WA).....	—	—	—	10,611	—	—	—	—	—	—	—
Nine Mile (WA).....	—	—	—	13,680	—	—	—	—	—	—	—
Northeast (WA).....	—	—	—	—	—	—	—	—	—	—	—
Noxon Rapids (MT).....	—	—	—	125,237	—	—	—	—	—	—	—
Post Falls (ID).....	—	—	—	10,046	—	—	—	—	—	—	—
Rathdrum (WA).....	—	—	10,543	—	—	—	—	—	123	—	—
Upper Falls (WA).....	—	—	—	6,687	—	—	—	—	—	—	—
Waverly (City of)	—	35	26	105	—	7	—	*	*	—	1
East Hydro (IA).....	—	—	—	105	—	—	—	—	—	—	—
East Plant (IA).....	—	—	—	—	—	—	—	—	—	—	—
North Plant (IA).....	—	35	26	—	—	—	—	*	*	—	1
Skeets 1 (IA).....	—	—	—	—	—	7	—	—	—	—	—
West Penn Power Co	973,630	544	592	16,627	—	—	370	1	9	618	4
Armstrong (PA).....	186,194	141	—	—	—	—	72	*	—	119	*
Hatfields Ferry (PA).....	770,601	403	—	—	—	—	287	1	—	398	3
Lake Lynn (WV).....	—	—	—	16,627	—	—	—	—	—	—	—
Mitchell (PA).....	16,835	—	592	—	—	—	10	—	9	101	*
Springdale (PA).....	—	—	—	—	—	—	—	—	—	—	—
West Texas Utilities Co	41,527	100	280,600	—	—	—	24	*	3,164	445	256
Abilene (TX).....	—	—	—	—	—	—	—	—	—	—	4
Fort Phantom (TX).....	—	—	118,107	—	—	—	—	—	1,422	—	99
Ft Stockton (TX).....	—	—	—	—	—	—	—	—	—	—	—
Lake Pauline (TX).....	—	—	—	—	—	—	—	—	—	—	18
Oak Creek (TX).....	—	—	48,970	—	—	—	—	—	586	—	28
Oklahoma (TX).....	41,527	97	—	—	—	—	24	*	—	445	5
Paint Creek (TX).....	—	—	1,199	—	—	—	—	—	37	—	80
Presidio (TX).....	—	—	—	—	—	—	—	—	—	—	1
Rio Pecos (TX).....	—	—	46,715	—	—	—	—	—	439	—	1
San Angelo (TX).....	—	—	65,609	—	—	—	—	—	680	—	19
Vernon (TX).....	—	3	—	—	—	—	—	*	—	—	1
Western Farmers Elec Coop	181,482	269	129,208	—	—	—	109	*	1,206	271	50

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (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)
Western Farmers Elec Coop											
Anadarko (OK)	—	14	112,967	—	—	—	—	*	1,029	—	47
Hugo (OK)	181,482	255	—	—	—	—	109	*	—	271	3
Mooreland (OK)	—	—	16,241	—	—	—	—	—	177	—	—
Western Mass Elec Co.	—	3,486	206	9,770	—	—	—	8	3	—	52
Cabot (MA)	—	—	—	22,543	—	—	—	—	—	—	—
Cobble Mountain (MA)	—	—	—	2,202	—	—	—	—	—	—	—
Doreen (MA)	—	-6	—	—	—	—	—	—	—	—	1
Dwight (MA)	—	—	—	460	—	—	—	—	—	—	—
Gardners Falls (MA)	—	—	—	1,692	—	—	—	—	—	—	—
Indian Orchard (MA)	—	—	—	1,476	—	—	—	—	—	—	—
Northfield Mountain (MA)	—	—	—	-26,163	—	—	—	—	—	—	—
Putts Bridge (MA)	—	—	—	1,260	—	—	—	—	—	—	—
Red Bridge (MA)	—	—	—	2,324	—	—	—	—	—	—	—
Turners Falls (MA)	—	—	—	3,976	—	—	—	—	—	—	—
West Springfield (MA)	—	3,496	206	—	—	—	—	8	3	—	50
Woodland Road (MA)	—	-4	—	—	—	—	—	*	—	—	1
Willmar (City of)	—	—	—	—	—	—	—	—	—	3	—
Willmar (MN)	—	—	—	—	—	—	—	—	—	3	—
Winfield (City of)	—	—	52	—	—	—	—	—	1	—	—
Winfield (KS)	—	—	52	—	—	—	—	—	1	—	—
Winfield (KS)	—	—	—	—	—	—	—	—	—	—	—
Winnetka (Village of)	—	5	34	—	—	—	—	*	1	—	2
Winnetka (IL)	—	5	34	—	—	—	—	*	1	—	2
Wisconsin Electric Pwr Co.	1,477,852	660	12,512	40,406	357,787	—	825	2	158	2,589	102
Appleton (WI)	—	—	—	1,216	—	—	—	—	—	—	—
Big Quinnesec 61 (MI)	—	—	—	793	—	—	—	—	—	—	—
Big Quinnesec 92 (MI)	—	—	—	10,071	—	—	—	—	—	—	—
Brule (MI)	—	—	—	1,567	—	—	—	—	—	—	—
Chalk Hill (MI)	—	—	—	3,756	—	—	—	—	—	—	—
Concord (WI)	—	21	75	—	—	—	—	*	3	—	8
Germantown (WI)	—	-26	—	—	—	—	—	*	—	—	12
Hemlock Falls (MI)	—	—	—	204	—	—	—	—	—	—	—
Kingsford (MI)	—	—	—	2,969	—	—	—	—	—	—	—
Lower Paint (MI)	—	—	—	48	—	—	—	—	—	—	—
Michigamme Falls (MI)	—	—	—	3,477	—	—	—	—	—	—	—
Oconto Falls (WI)	—	—	—	873	—	—	—	—	—	—	—
Oil Storage (WI)	—	—	—	—	—	—	—	—	—	—	43
Paris (WI)	—	—	4,443	—	—	—	—	—	73	—	15
Peavy Falls (MI)	—	—	—	5,783	—	—	—	—	—	—	—
Pine (WI)	—	—	—	2,450	—	—	—	—	—	—	—
Pleasant Prairie (WI)	643,932	2	1,728	—	—	—	407	*	18	526	4
Point Beach (WI)	—	-22	—	—	357,787	—	—	*	—	—	4
Port Washington (WI)	73,375	-32	—	—	—	—	39	—	—	313	3
Presque Isle (MI)	272,049	717	—	—	—	—	150	2	—	1,066	11
South Oak Creek (WI)	378,533	—	6,045	—	—	—	168	—	60	469	3
Sturgeon (MI)	—	—	—	486	—	—	—	—	—	—	—
Twin Falls (MI)	—	—	—	3,046	—	—	—	—	—	—	—
Valley (WI)	109,963	—	221	—	—	—	61	—	3	214	—
Way (MI)	—	—	—	52	—	—	—	—	—	—	—
Weyauwega (WI)	—	—	—	—	—	—	—	—	—	—	—
White Rapids (MI)	—	—	—	3,615	—	—	—	—	—	—	—
Wisconsin Pub Serv Corp.	413,464	4	3,633	29,828	361,517	—	264	*	47	322	39
Alexander (WI)	—	—	—	1,918	—	—	—	—	—	—	—
Caldron Falls (WI)	—	—	—	2,618	—	—	—	—	—	—	—
Eagle River (WI)	—	4	—	—	—	—	—	*	—	—	*
Grand Rapids (MI)	—	—	—	3,773	—	—	—	—	—	—	—
Grandfather Falls (WI)	—	—	—	9,134	—	—	—	—	—	—	—
Hat Rapids (WI)	—	—	—	664	—	—	—	—	—	—	—
High Falls (WI)	—	—	—	2,770	—	—	—	—	—	—	—
Jersey (WI)	—	—	—	167	—	—	—	—	—	—	—
Johnson Falls (WI)	—	—	—	1,655	—	—	—	—	—	—	—
Kewaunee (WI)	—	—	—	—	361,517	—	—	—	—	—	—
Merrill (WI)	—	—	—	374	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, April 1998 (Continued)

Company (Holding Company)	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 Pub Serv Corp											
Oneida Casino (WI).....	—	—	—	—	—	—	—	—	—	—	*
Otter Rapids (WI).....	—	—	—	237	—	—	—	—	—	—	—
Peshtigo (WI).....	—	—	—	280	—	—	—	—	—	—	—
Potato Rapids (WI).....	—	—	—	579	—	—	—	—	—	—	—
Pulliam (WI).....	162,145	—	1,192	—	—	—	108	—	15	156	*
Sandstone Rapids (WI).....	—	—	—	1,767	—	—	—	—	—	—	—
Tomahawk (WI).....	—	—	—	1,117	—	—	—	—	—	—	—
Wausau (WI).....	—	—	—	2,775	—	—	—	—	—	—	—
West Marinette (WI).....	—	—	1,046	—	—	—	—	—	17	—	18
Weston (WI).....	251,319	—	1,395	—	—	—	156	—	16	165	19
Wisconsin Pwr & Lgt Co.....											
Blackhawk (WI).....	930,122	1,059	2,557	24,535	—	15,875	475	2	39	1,276	27
Columbia (WI).....	—	—	—	17	—	—	—	—	—	—	—
Dewey, Nelson (WI).....	377,912	757	—	—	—	—	237	1	—	878	2
Edgewater (WI).....	59,718	3	—	—	—	228	31	*	—	99	*
Janesville (WI).....	436,304	269	—	—	—	11,746	169	*	—	270	1
Kilbourn (WI).....	—	—	—	13	—	—	—	—	—	—	—
NA 1 (WI).....	—	12	2,492	5,628	—	—	—	*	38	—	10
Portable (WI).....	—	—	—	—	—	—	—	—	—	—	—
Prairie Du Sac (WI).....	—	—	—	18,484	—	—	—	—	—	—	—
Rock River (WI).....	56,188	18	65	—	—	3,901	38	*	1	29	9
Shawano (WI).....	—	—	—	393	—	—	—	—	—	—	—
Sheepskin (WI).....	—	—	—	—	—	—	—	—	—	—	4
Wolf Creek Nuclear Corp.....											
Wolf Creek (KS).....	—	—	—	—	856,317	—	—	—	—	—	—
Wolverine Pwr supply Coop.....											
Advance (MI).....	-530	-1	-2	849	—	—	—	*	1	77	6
Beaver Island (MI).....	-530	—	—	—	—	—	—	—	—	77	—
Johnson, George (MI).....	—	-3	—	—	—	—	—	—	—	—	2
Kleber (MI).....	—	2	30	—	—	—	—	*	1	—	1
Scottville (MI).....	—	—	—	688	—	—	—	—	—	—	*
Tower (MI).....	—	-18	—	—	—	—	—	—	—	—	2
Tower Hydro (MI).....	—	—	—	161	—	—	—	—	—	—	—
Vandyke, Claude (MI).....	—	-4	-32	—	—	—	—	—	—	—	*
Vestaburg (MI).....	—	22	—	—	—	—	—	*	—	—	1
Winder, C A (MI).....	—	—	—	—	—	—	—	—	—	—	—
Wyandotte (City of).....											
Wyandotte (MI).....	14,069	—	284	—	—	—	9	—	4	18	—
	14,069	—	284	—	—	—	9	—	4	18	—
Yazoo Pub Serv Comm (City).....											
Yazoo (MS).....	—	—	—	—	—	—	—	—	—	—	—
Yuba County Water Agency.....											
Fish Power (CA).....	—	—	—	269,598	—	—	—	—	—	—	—
New Colgate (CA).....	—	—	—	101	—	—	—	—	—	—	—
New Narrows (CA).....	—	—	—	231,329	—	—	—	—	—	—	—
	—	—	—	38,168	—	—	—	—	—	—	—

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

* Less than 0.05.

Notes: •Data for 1997 are final. •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. •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.

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

Monthly Plant Aggregates: U.S. Electric Utility Receipts, Cost, and Quality of Fossil Fuels

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Alabama Electric Coop Inc.....	171	133.6	32.23	2.20	1	396.1	21.71	—	—	—	—	100	*	—
Lowman (AL).....	171	133.6	32.23	2.20	1	396.1	21.71	—	—	—	—	100	*	—
Alabama Power Co.....	1,882	170.5	39.08	.93	3	345.0	20.39	—	152	258.8	2.69	100	*	*
Barry (AL).....	262	204.5	50.60	.76	—	—	—	—	38	262.3	2.92	99	—	1
Gadsden (AL).....	14	140.5	36.26	1.97	—	—	—	—	16	251.7	2.55	96	—	4
Gaston (AL).....	350	173.5	43.25	.89	2	341.0	20.20	—	—	—	—	100	*	—
Gorgas 2 and 3 (AL).....	326	154.9	37.96	1.92	*	356.7	20.93	—	—	—	—	100	*	—
Greene (AL).....	118	124.7	30.04	1.80	1	350.4	20.68	—	1	281.9	2.88	100	*	*
James Miller (AL).....	813	171.6	35.40	.45	—	—	—	—	98	258.3	2.62	99	—	1
American Municipal Power.....	65	83.5	19.29	5.22	—	—	—	—	4	384.6	4.00	100	—	*
Gorsuch (OH).....	65	83.5	19.29	5.22	—	—	—	—	4	384.6	4.00	100	—	*
Ames City of.....	18	144.5	25.84	.17	*	385.3	22.22	0.20	—	—	—	99	1	—
Ames (IA).....	18	144.5	25.84	.17	*	385.3	22.22	.20	—	—	—	99	1	—
Anchorage City of.....	—	—	—	—	—	—	—	—	536	205.9	2.06	—	—	100
George Sullivan (AK).....	—	—	—	—	—	—	—	—	536	205.9	2.06	—	—	100
Appalachian Power Co.....	981	139.4	34.04	.76	26	396.2	23.16	—	—	—	—	99	1	—
Amos (WV).....	467	141.6	34.35	.79	22	393.5	23.02	—	—	—	—	99	1	—
Clinch River (VA).....	160	129.9	32.15	.76	1	369.8	21.72	—	—	—	—	100	*	—
Glen Lyn (VA).....	58	138.4	35.13	.91	2	397.5	23.19	—	—	—	—	99	1	—
Kanawha River (WV).....	92	134.9	32.72	.81	1	455.4	26.35	—	—	—	—	100	*	—
Mountaineer (WV).....	204	144.5	35.09	.66	*	501.1	28.86	—	—	—	—	100	*	—
Arizona Electric Pwr Coop Inc.....	139	114.5	21.90	.62	—	—	—	—	—	—	—	100	—	—
Apache (AZ).....	139	114.5	21.90	.62	—	—	—	—	—	—	—	100	—	—
Arizona Public Service Co.....	1,048	113.1	21.25	.67	—	—	—	—	902	272.2	2.74	96	—	4
Cholla (AZ).....	357	124.5	23.97	.53	—	—	—	—	2	337.8	3.45	100	—	*
Four Corners (NM).....	691	107.0	19.85	.75	—	—	—	—	162	346.0	3.50	99	—	1
Phoenix (AZ).....	—	—	—	—	—	—	—	—	449	269.0	2.71	—	—	100

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Arizona Public Service Co Yucca (AZ).....	—	—	—	—	—	—	—	—	289	235.0	2.36	—	—	100
Arkansas Power & Light Co.....	899	147.8	25.70	0.31	8	416.7	24.60	0.50	1,753	250.1	2.56	89	*	10
Couch (AR).....	—	—	—	—	—	—	—	—	286	210.0	2.30	—	—	100
Independence (AR).....	504	136.3	24.00	.23	4	423.4	25.01	.50	—	—	—	100	*	—
Lake Catherine (AR).....	—	—	—	—	—	—	—	—	941	267.3	2.70	—	—	100
Ritchie (AR).....	—	—	—	—	—	—	—	—	526	242.9	2.46	—	—	100
Whitebluff (AR).....	394	162.9	27.88	.41	5	411.0	24.24	.50	—	—	—	100	*	—
Associated Electric Coop Inc.....	773	84.9	15.03	.18	—	—	—	—	—	—	—	100	—	—
Hill (MO).....	394	74.1	13.13	.18	—	—	—	—	—	—	—	100	—	—
Madrid (MO).....	379	96.2	17.01	.18	—	—	—	—	—	—	—	100	—	—
Atlantic City Electric Co.....	50	190.6	49.41	2.39	—	—	—	—	*	470.8	4.90	100	—	*
Deepwater (NJ).....	—	—	—	—	—	—	—	—	*	470.8	4.90	—	—	100
England (NJ).....	50	190.6	49.41	2.39	—	—	—	—	—	—	—	100	—	—
Austin City of.....	—	—	—	—	—	—	—	—	2,375	258.9	2.62	—	—	100
Decker Creek (TX).....	—	—	—	—	—	—	—	—	1,810	257.0	2.60	—	—	100
Holly (TX).....	—	—	—	—	—	—	—	—	564	264.9	2.69	—	—	100
Baltimore Gas & Electric Co.....	444	140.4	35.93	.90	138	228.2	14.58	.97	55	304.8	3.18	92	7	*
Brandon Shores (MD).....	274	140.8	35.53	.71	1	337.3	19.56	.21	—	—	—	100	*	—
Crane (MD).....	73	139.1	36.93	1.73	—	—	—	—	—	—	—	100	—	—
Gould St (MD).....	—	—	—	—	24	229.1	14.65	.98	13	291.9	3.05	—	92	8
Riverside (MD).....	—	—	—	—	—	—	—	—	*	291.7	3.05	—	—	100
Wagner (MD).....	97	140.1	36.31	.80	113	227.1	14.52	.98	42	308.9	3.22	77	22	1
Basin Electric Power Coop.....	1,267	60.0	9.07	.55	1	380.6	22.04	.34	—	—	—	100	*	—
Antelope Valley (ND).....	340	73.7	9.71	.70	—	—	—	—	—	—	—	100	—	—
Laramie River (WY).....	653	47.4	7.98	.40	—	—	—	—	—	—	—	100	—	—
Leland Olds (ND).....	274	81.1	10.87	.75	1	380.6	22.04	.34	—	—	—	100	*	—
Big Rivers Electric Corp.....	450	96.8	21.66	3.00	—	—	—	—	3	331.0	3.31	100	—	*
Coleman (KY).....	99	108.2	24.24	1.60	—	—	—	—	3	331.0	3.31	100	—	*
R D Green (KY).....	129	87.0	18.45	3.69	—	—	—	—	—	—	—	100	—	—
Reid-Henderson (KY).....	96	102.0	23.95	2.82	—	—	—	—	—	—	—	100	—	—
Wilson (KY).....	125	93.2	21.18	3.55	—	—	—	—	—	—	—	100	—	—
Black Hills Corp.....	46	47.3	7.67	.64	—	—	—	—	—	—	—	100	—	—
Neal Simpson II (WY).....	46	47.3	7.67	.64	—	—	—	—	—	—	—	100	—	—
Boston Edison Co.....	—	—	—	—	507	219.8	14.00	.88	1,453	362.3	3.74	—	68	32
Mystic (MA).....	—	—	—	—	507	219.8	14.00	.88	30	291.7	3.19	—	99	1
New Boston (MA).....	—	—	—	—	—	—	—	—	1,423	363.9	3.76	—	—	100
Brazos Electric Power Coop Inc.....	—	—	—	—	—	—	—	—	727	235.6	2.41	—	—	100
Miller (TX).....	—	—	—	—	—	—	—	—	707	235.7	2.41	—	—	100
North Texas (TX).....	—	—	—	—	—	—	—	—	20	234.7	2.43	—	—	100
Bryan City of.....	—	—	—	—	—	—	—	—	324	237.3	2.42	—	—	100
Bryan (TX).....	—	—	—	—	—	—	—	—	123	245.0	2.50	—	—	100
Dansby (TX).....	—	—	—	—	—	—	—	—	202	232.6	2.37	—	—	100
Burbank City of.....	—	—	—	—	—	—	—	—	3	270.0	2.74	—	—	100
Magnolia-Olive (CA).....	—	—	—	—	—	—	—	—	3	270.0	2.74	—	—	100
Burlington City of.....	—	—	—	—	—	—	—	—	6	303.6	3.08	—	—	100
J C McNeil (VT).....	—	—	—	—	—	—	—	—	6	303.6	3.08	—	—	100
Cajun Electric Power Coop Inc.....	422	145.8	24.68	.46	5	327.3	19.25	.20	—	—	—	100	*	—
Big Cajun No.2 (LA).....	422	145.8	24.68	.46	5	327.3	19.25	.20	—	—	—	100	*	—

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Cambridge Electric Light Co.....	—	—	—	—	32	263.2	16.56	0.45	—	—	—	—	100	—
Kendall Square (MA).....	—	—	—	—	32	263.2	16.56	.45	—	—	—	—	100	—
Canal Electric Co.....	—	—	—	—	1,040	211.2	13.49	.92	6	267.7	2.75	—	100	*
Canal (MA).....	—	—	—	—	1,040	211.2	13.49	.92	6	267.7	2.75	—	100	*
Cardinal Operating Co.....	416	153.4	37.97	1.77	—	—	—	—	—	—	—	100	—	—
Cardinal (OH).....	416	153.4	37.97	1.77	—	—	—	—	—	—	—	100	—	—
Carolina Power & Light Co.....	1,254	150.6	37.26	.91	8	358.0	20.73	.20	—	—	—	100	*	—
Asheville (NC).....	80	143.8	36.28	.97	1	364.4	20.81	.20	—	—	—	100	*	—
Cape Fear (NC).....	66	150.1	36.85	.94	*	288.4	16.72	.20	—	—	—	100	*	—
Lee (NC).....	70	146.0	36.51	1.07	—	—	—	—	—	—	—	100	—	—
Mayo (NC).....	139	154.9	37.20	.72	1	361.4	20.95	.20	—	—	—	100	*	—
Robinson (SC).....	46	153.3	38.27	1.11	1	379.2	21.98	.20	—	—	—	100	*	—
Roxboro (NC).....	730	151.2	37.33	.91	4	363.5	21.07	.20	—	—	—	100	*	—
Sutton (NC).....	100	144.5	36.45	.93	2	345.6	20.03	.20	—	—	—	100	*	—
Weatherspoon (NC).....	22	167.7	43.84	.89	—	—	—	—	—	—	—	100	—	—
Central Electric Pwr Coop-MO.....	4	133.8	22.47	.41	—	—	—	—	—	—	—	100	—	—
Chamois (MO).....	4	133.8	22.47	.41	—	—	—	—	—	—	—	100	—	—
Central Hudson Gas & Elec Corp.....	74	172.3	45.15	.66	304	210.9	13.45	1.15	137	286.0	2.90	48	48	3
Danskammer (NY).....	74	172.3	45.15	.66	—	—	—	—	7	391.0	3.98	100	—	*
Roseton (NY).....	—	—	—	—	304	210.9	13.45	1.15	130	280.3	2.84	—	94	6
Central Illinois Light Co.....	213	142.6	31.07	2.56	1	433.5	25.26	.05	—	—	—	100	*	—
Duck Creek (IL).....	72	184.5	39.35	3.51	1	430.5	25.09	.06	—	—	—	100	*	—
Edwards (IL).....	141	121.8	26.83	2.08	1	437.3	25.48	.03	—	—	—	100	*	—
Central Illinois Pub Serv Co.....	493	148.6	30.74	1.02	2	390.2	22.56	.29	—	—	—	100	*	—
Coffeen (IL).....	182	182.7	37.64	1.00	—	—	—	—	—	—	—	100	—	—
Grand Tower (IL).....	22	98.3	21.29	3.11	—	—	—	—	—	—	—	100	—	—
Hutsonville (IL).....	20	108.0	23.71	2.57	1	382.2	22.22	.29	—	—	—	99	1	—
Meredosia (IL).....	52	129.4	27.50	1.87	1	398.3	22.89	.29	—	—	—	99	1	—
Newton (IL).....	217	133.9	27.35	.47	—	—	—	—	—	—	—	100	—	—
Central Iowa Power Coop.....	6	114.4	27.66	3.12	9	366.0	21.37	.05	*	428.6	4.34	74	26	*
Fair Station (IA).....	6	114.4	27.66	3.12	—	—	—	—	*	428.6	4.34	100	—	*
Summit Lake (IA).....	—	—	—	—	9	366.0	21.37	.05	—	—	—	—	100	—
Central Louisiana Elec Co Inc.....	374	145.5	21.19	.96	—	—	—	—	1,523	247.2	2.59	77	—	23
Coughlin (LA).....	—	—	—	—	—	—	—	—	178	257.3	2.69	—	—	100
Dolet Hills (LA).....	224	141.8	19.75	1.28	—	—	—	—	6	325.3	3.34	100	—	*
Rodemacher (LA).....	150	150.5	23.34	.48	—	—	—	—	216	249.0	2.61	91	—	9
Teche (LA).....	—	—	—	—	—	—	—	—	1,123	244.8	2.56	—	—	100
Central Maine Power Co.....	—	—	—	—	1	334.2	19.49	.20	—	—	—	—	100	—
Wyman (ME).....	—	—	—	—	1	334.2	19.49	.20	—	—	—	—	100	—
Central Operating Co.....	249	118.7	28.68	1.54	3	341.7	19.65	—	—	—	—	100	*	—
Sporn (WV).....	249	118.7	28.68	1.54	3	341.7	19.65	—	—	—	—	100	*	—
Central Power & Light Co.....	130	138.3	26.28	.28	—	—	—	—	9,154	234.2	2.40	21	—	79
Bates (TX).....	—	—	—	—	—	—	—	—	423	226.3	2.33	—	—	100
Coletto Creek (TX).....	130	138.3	26.28	.28	—	—	—	—	—	—	—	100	—	—
Davis (TX).....	—	—	—	—	—	—	—	—	3,290	233.7	2.38	—	—	100
Hill (TX).....	—	—	—	—	—	—	—	—	670	232.0	2.36	—	—	100
Joslin (TX).....	—	—	—	—	—	—	—	—	656	237.3	2.45	—	—	100
La Palma (TX).....	—	—	—	—	—	—	—	—	742	227.0	2.34	—	—	100
Laredo (TX).....	—	—	—	—	—	—	—	—	464	239.2	2.55	—	—	100
Nueces Bay (TX).....	—	—	—	—	—	—	—	—	2,215	234.9	2.39	—	—	100
Victoria (TX).....	—	—	—	—	—	—	—	—	695	242.7	2.49	—	—	100

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Chugach Electric Assn Inc..... Beluga (AK).....	—	—	—	—	—	—	—	—	1,207	174.0	1.74	—	—	100
	—	—	—	—	—	—	—	—	1,207	174.0	1.74	—	—	100
Cincinnati Gas & Electric Co.....	852	112.1	27.18	2.24	27	340.3	19.63	0.24	—	—	—	99	1	—
Beckjord (OH).....	262	112.3	27.41	1.29	6	325.8	18.75	.36	—	—	—	99	1	—
East Bend (KY).....	97	100.1	24.46	2.78	2	334.6	19.18	.24	—	—	—	100	*	—
Miami Fort (OH).....	168	127.8	30.72	.85	14	352.2	20.40	.20	—	—	—	98	2	—
Zimmer (OH).....	325	107.5	25.98	3.56	5	327.1	18.75	.20	—	—	—	100	*	—
Cleveland Electric Illum Co.....	410	135.9	34.80	2.00	5	363.8	21.12	.20	—	—	—	100	*	—
Ashtabula (OH).....	19	96.5	24.13	4.36	1	361.1	21.00	.04	—	—	—	99	1	—
Avon Lake (OH).....	167	141.0	36.05	1.00	*	338.2	19.62	.33	—	—	—	100	*	—
Eastlake (OH).....	224	135.3	34.75	2.55	1	369.8	21.50	.03	—	—	—	100	*	—
Lake Shore (OH).....	—	—	—	—	3	362.3	21.00	.33	—	—	—	—	100	—
Coffeyville City of.....	—	—	—	—	—	—	—	—	*	132.0	1.32	—	—	100
Coffeyville (KS).....	—	—	—	—	—	—	—	—	*	132.0	1.32	—	—	100
Colorado Springs City of.....	142	112.9	23.03	.40	—	—	—	—	11	363.0	3.56	100	—	*
Drake (CO).....	51	154.7	31.83	.38	—	—	—	—	11	363.0	3.56	99	—	1
Nixon (CO).....	91	89.2	18.11	.42	—	—	—	—	—	—	—	100	—	—
Columbia City of.....	3	205.1	51.80	1.17	—	—	—	—	—	—	—	100	—	—
Columbia (MO).....	3	205.1	51.80	1.17	—	—	—	—	—	—	—	100	—	—
Columbus & Southern Ohio El Co.....	323	141.3	33.47	2.87	2	336.5	19.91	—	—	—	—	100	*	—
Conesville (OH).....	308	143.2	33.95	2.84	2	334.0	19.78	—	—	—	—	100	*	—
Picway (OH).....	15	102.0	23.54	3.33	*	349.1	20.58	—	—	—	—	99	1	—
Commonwealth Edison Co.....	1,204	248.1	43.15	.34	218	239.3	15.28	.65	5,632	250.4	2.55	75	5	20
Collins (IL).....	—	—	—	—	201	231.5	14.89	.69	5,507	250.4	2.55	—	19	81
Crawford (IL).....	9	149.0	25.74	.19	—	—	—	—	—	—	—	100	—	—
Fisk Storage (IL).....	—	—	—	—	—	—	—	—	117	241.9	2.48	—	—	100
Joliet (IL).....	286	329.5	57.70	.36	—	—	—	—	—	—	—	100	—	—
Powerton (IL).....	443	248.0	42.80	.27	—	—	—	—	8	385.6	3.86	100	—	*
Waukegan (IL).....	172	238.3	41.43	.58	—	—	—	—	—	—	—	100	—	—
Will County (IL).....	294	177.4	31.04	.30	17	340.2	19.92	.25	—	—	—	98	2	—
Connecticut Light & Power Co.....	—	—	—	—	721	229.0	14.62	.75	223	262.4	2.70	—	95	5
Devon (CT).....	—	—	—	—	201	225.4	14.34	.97	30	250.0	2.53	—	98	2
Middletown (CT).....	—	—	—	—	58	251.6	15.76	.36	153	260.0	2.69	—	69	31
Montville (CT).....	—	—	—	—	164	229.6	14.96	.54	40	280.6	2.88	—	96	4
Norwalk Harbor (CT).....	—	—	—	—	298	226.8	14.40	.79	—	—	—	—	100	—
Consolidated Edison Co-NY Inc.....	—	—	—	—	281	222.8	14.25	.30	3,726	254.7	2.62	—	32	68
Arthur Kill (NY).....	—	—	—	—	—	—	—	—	139	254.8	2.62	—	—	100
Astoria (NY).....	—	—	—	—	77	220.6	14.39	.30	2,069	254.8	2.62	—	19	81
East River (NY).....	—	—	—	—	50	218.6	13.94	.30	196	254.8	2.62	—	61	39
Ravenswood (NY).....	—	—	—	—	—	—	—	—	867	254.8	2.62	—	—	100
Storage Facility #5.....	—	—	—	—	94	232.0	14.75	.30	—	—	—	—	100	—
Storage Facility #7.....	—	—	—	—	60	214.4	13.53	.30	—	—	—	—	100	—
Waterside (NY).....	—	—	—	—	—	—	—	—	455	253.8	2.61	—	—	100
Consumers Power Co.....	701	142.0	31.00	.66	117	217.9	13.94	1.20	100	283.0	2.83	95	5	1
Campbell (MI).....	364	141.9	30.67	.58	—	—	—	—	—	—	—	100	—	—
Cobb (MI).....	66	121.3	21.91	.52	*	354.4	20.54	.50	—	—	—	100	*	—
Karn-Weadock (MI).....	72	151.8	36.99	.86	115	215.8	13.83	1.22	100	283.0	2.83	68	29	4
Weadock (MI).....	114	136.8	29.03	.69	1	345.2	20.01	.50	—	—	—	100	*	—
Whiting (MI).....	86	152.2	36.95	.89	1	348.5	20.20	.50	—	—	—	100	*	—
Coop Power Assn.....	498	76.3	9.39	.74	—	—	—	—	—	—	—	100	—	—
Coal Creek (ND).....	498	76.3	9.39	.74	—	—	—	—	—	—	—	100	—	—
Dairyland Power Coop.....	260	110.4	20.85	.32	—	—	—	—	—	—	—	100	—	—

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Dairyland Power Coop														
Alma-Madgett (WI).....	144	102.4	18.74	0.27	—	—	—	—	—	—	—	100	—	—
Genoa No.3 (WI).....	116	119.6	23.48	.38	—	—	—	—	—	—	—	100	—	—
Dayton Power & Light Co	526	127.6	29.89	.75	3	351.8	20.27	0.34	31	445.0	4.54	100	*	*
Hutchings (OH).....	22	134.0	33.69	.84	—	—	—	—	31	445.0	4.54	95	—	5
Killen (OH).....	197	125.7	29.85	.62	—	—	—	—	—	—	—	100	—	—
Stuart (OH).....	307	128.4	29.65	.82	3	351.8	20.27	.34	—	—	—	100	*	—
Delmarva Power & Light Co	115	165.1	42.24	.78	77	223.4	14.25	.97	543	145.0	1.38	74	12	13
Edgemoor (DE).....	34	159.9	40.66	.65	52	224.0	14.34	.62	116	216.7	1.43	68	26	6
Hay Road (DE).....	—	—	—	—	—	—	—	—	426	132.5	1.37	—	—	100
Indian River (DE).....	81	167.3	42.91	.84	4	353.2	20.55	.21	—	—	—	99	1	—
Vienna (MD).....	—	—	—	—	21	201.3	12.93	1.99	—	—	—	—	100	—
Denton City of	—	—	—	—	—	—	—	—	57	236.5	2.48	—	—	100
Spencer (TX).....	—	—	—	—	—	—	—	—	57	236.5	2.48	—	—	100
Deseret Generation & Tran Coop	188	192.8	39.22	.41	—	—	—	—	—	—	—	100	—	—
Bonanza (UT).....	188	192.8	39.22	.41	—	—	—	—	—	—	—	100	—	—
Detroit City of	—	—	—	—	118	412.9	25.59	.77	180	313.9	3.21	—	80	20
Mistersky (MI).....	—	—	—	—	118	412.9	25.59	.77	180	313.9	3.21	—	80	20
Detroit Edison Co	2,189	125.4	25.39	.58	104	381.2	22.66	.46	3,216	235.8	1.20	95	1	4
Belle River (MI).....	450	145.6	27.65	.34	—	—	—	—	—	—	—	100	—	—
Greenwood (MI).....	—	—	—	—	77	347.7	20.85	.56	923	258.6	2.62	—	33	67
Harbor Beach (MI).....	13	150.6	38.73	.85	*	463.8	26.69	.30	—	—	—	99	1	—
Marysville (MI).....	—	—	—	—	—	—	—	—	31	362.0	3.67	—	—	100
Monroe (MI).....	921	110.1	23.08	.72	8	511.7	29.44	.24	—	—	—	100	*	—
River Rouge (MI).....	159	118.5	24.89	.54	—	—	—	—	2,242	193.1	.56	84	—	16
St Clair (MI).....	498	144.0	27.96	.50	19	468.7	27.21	.14	20	362.0	3.66	99	1	*
Trenton Channel (MI).....	148	111.4	23.53	.72	—	—	—	—	—	—	—	100	—	—
Dover City of	—	—	—	—	8	249.0	15.72	.70	6	344.0	3.55	—	89	11
McKee Run (DE).....	—	—	—	—	8	249.0	15.72	.70	6	344.0	3.55	—	89	11
Duke Power Co	1,259	142.3	34.98	.85	10	330.1	19.21	.30	—	—	—	100	*	—
Allen (NC).....	82	158.6	38.55	.68	4	320.9	18.67	.30	—	—	—	99	1	—
Belews Creek (NC).....	542	150.3	37.65	.75	2	334.0	19.45	.30	—	—	—	100	*	—
Buck (NC).....	58	137.8	30.91	.81	—	—	—	—	—	—	—	100	—	—
Cliffside (NC).....	70	129.9	32.71	.85	1	327.7	19.26	.30	—	—	—	100	*	—
Dan River (NC).....	20	148.8	36.25	1.15	—	—	—	—	—	—	—	100	—	—
Lee (SC).....	36	143.9	36.85	.82	1	345.1	19.90	.30	—	—	—	99	1	—
Marshall (NC).....	433	131.4	31.76	1.01	2	338.2	19.67	.30	—	—	—	100	*	—
Riverbend (NC).....	18	133.6	32.77	.89	—	—	—	—	—	—	—	100	—	—
Duquesne Light Co	183	113.8	28.54	1.94	2	340.8	19.41	.11	—	—	—	100	*	—
Cheswick (PA).....	62	118.5	30.60	1.70	—	—	—	—	—	—	—	100	—	—
Elrama (PA).....	121	111.2	27.48	2.06	2	340.8	19.41	.11	—	—	—	100	*	—
East Kentucky Power Coop	228	113.9	28.11	.85	*	361.3	21.03	.16	—	—	—	100	*	—
Cooper (KY).....	67	114.2	28.66	1.20	*	353.5	20.58	.20	—	—	—	100	*	—
Dale (KY).....	10	114.1	28.71	.78	*	369.0	21.48	.12	—	—	—	100	*	—
Spurlock (KY).....	150	113.7	27.83	.71	—	—	—	—	—	—	—	100	—	—
El Paso Electric Co	—	—	—	—	—	—	—	—	2,639	219.5	2.25	—	—	100
Newman (TX).....	—	—	—	—	—	—	—	—	1,687	218.6	2.24	—	—	100
Rio Grande (TX).....	—	—	—	—	—	—	—	—	952	221.0	2.26	—	—	100
Electric Energy Inc.	530	81.6	14.31	.21	*	428.4	24.41	.26	27	295.6	3.06	100	*	*
Joppa (IL).....	530	81.6	14.31	.21	*	428.4	24.41	.26	27	295.6	3.06	100	*	*
Empire District Electric Co	97	105.0	19.34	.56	*	367.9	21.55	—	1	383.3	3.83	100	*	*

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Empire District Electric Co														
Asbury (MO).....	77	102.0	18.31	0.34	*	367.9	21.55	—	—	—	—	100	*	—
Riverton (KS).....	20	115.3	23.29	1.41	—	—	—	—	1	383.3	3.83	100	—	*
Fayetteville Public Works														
Butler Warner (NC).....	—	—	—	—	—	—	—	—	10	324.3	3.37	—	—	100
	—	—	—	—	—	—	—	—	10	324.3	3.37	—	—	100
Florida Power & Light Co														
Cape Canaveral (FL).....	—	—	—	—	2,970	217.7	13.86	1.49	11,886	314.5	3.32	—	60	40
Fort Myers (FL).....	—	—	—	—	328	240.2	15.17	1.42	654	314.5	3.32	—	75	25
Lauderdale (FL).....	—	—	—	—	410	179.7	11.47	2.09	—	—	—	—	100	—
Manatee (FL).....	—	—	—	—	—	—	—	—	3,529	314.5	3.31	—	—	100
Martin (FL).....	—	—	—	—	580	224.1	14.26	1.00	—	—	—	—	100	—
Port Everglades (FL).....	—	—	—	—	28	235.5	15.14	1.00	5,207	314.5	3.31	—	3	97
Putnam (FL).....	—	—	—	—	503	216.7	13.82	1.00	445	314.5	3.31	—	87	13
Riviera (FL).....	—	—	—	—	—	—	—	—	552	314.5	3.32	—	—	100
Sanford (FL).....	—	—	—	—	383	200.0	12.80	1.91	375	314.5	3.31	—	86	14
Turkey Point (FL).....	—	—	—	—	529	234.3	14.82	1.96	494	314.5	3.32	—	87	13
	—	—	—	—	209	230.7	14.77	1.00	630	314.5	3.31	—	67	33
Florida Power Corp.														
Anclote (FL).....	462	171.0	42.89	.82	1,068	199.9	13.09	1.82	22	302.7	3.20	62	38	*
Bartow (FL).....	—	—	—	—	1	350.7	20.72	.45	—	—	—	—	100	—
Crystal River (FL).....	—	—	—	—	346	197.0	12.81	2.19	—	—	—	—	100	—
IMT Transfer (LA).....	318	174.0	43.80	.88	9	360.0	21.27	.45	—	—	—	99	1	—
Storage Facility #1.....	143	164.3	40.86	.68	—	—	—	—	—	—	—	100	—	—
Suwannee (FL).....	—	—	—	—	668	197.6	13.03	1.63	—	—	—	—	100	—
	—	—	—	—	43	223.0	14.40	2.22	22	302.7	3.20	—	92	8
Fort Pierce City of														
H D King (FL).....	—	—	—	—	—	—	—	—	11	228.8	2.41	—	—	100
	—	—	—	—	—	—	—	—	11	228.8	2.41	—	—	100
Fremont City of														
Wright (NE).....	16	98.7	17.75	.31	—	—	—	—	3	226.0	2.26	99	—	1
	16	98.7	17.75	.31	—	—	—	—	3	226.0	2.26	99	—	1
Gainesville City of														
Deerhaven (FL).....	41	164.4	43.20	.60	—	—	—	—	248	310.9	3.27	80	—	20
	41	164.4	43.20	.60	—	—	—	—	248	310.9	3.27	80	—	20
Garland City of														
Newman (TX).....	—	—	—	—	—	—	—	—	226	216.5	2.20	—	—	100
Olinger (TX).....	—	—	—	—	—	—	—	—	23	227.3	2.35	—	—	100
	—	—	—	—	—	—	—	—	203	215.2	2.18	—	—	100
Georgia Power Co														
Arkwright (GA).....	2,634	151.6	36.09	.91	24	353.0	20.54	.50	6	453.0	4.63	100	*	*
Atkinson-McDonough (GA).....	8	161.4	41.33	1.67	—	—	—	—	6	456.6	4.66	97	—	3
Bowen (GA).....	164	134.3	33.01	1.01	—	—	—	—	*	400.3	4.10	100	—	*
Hammond (GA).....	777	141.0	34.66	.94	—	—	—	—	—	—	—	100	—	—
Harilee Branch (GA).....	87	154.3	38.89	.91	1	373.5	21.73	.50	—	—	—	100	*	—
Mcmanus (GA).....	323	156.7	38.86	1.31	1	354.6	20.63	.50	—	—	—	100	*	—
Scherer (GA).....	—	—	—	—	14	345.6	20.10	.50	—	—	—	—	100	—
Wansley (GA).....	695	170.5	35.92	.51	1	357.5	20.80	.50	—	—	—	100	*	—
Yates (GA).....	388	145.1	35.77	1.16	4	365.2	21.24	.50	—	—	—	100	*	—
	191	154.2	39.66	.93	2	362.1	21.06	.50	—	—	—	100	*	—
Glendale City of														
Glendale (CA).....	—	—	—	—	—	—	—	—	78	286.0	2.90	—	—	100
	—	—	—	—	—	—	—	—	78	286.0	2.90	—	—	100
Grand Haven City of														
J B Simms (MI).....	36	141.7	31.14	2.29	—	—	—	—	1	445.4	4.45	100	—	*
	36	141.7	31.14	2.29	—	—	—	—	1	445.4	4.45	100	—	*
Grand Island City of														
Platte (NE).....	23	68.0	11.84	.40	—	—	—	—	—	—	—	100	—	—
	23	68.0	11.84	.40	—	—	—	—	—	—	—	100	—	—
Grand River Dam Authority														
GRDA No 1 (OK).....	327	90.5	15.40	.40	—	—	—	—	4	256.9	2.58	100	—	*
	327	90.5	15.40	.40	—	—	—	—	4	256.9	2.58	100	—	*
Greenville City of														
Power Lane (TX).....	—	—	—	—	—	—	—	—	16	219.2	2.36	—	—	100
	—	—	—	—	—	—	—	—	16	219.2	2.36	—	—	100

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)			
Gulf Power Co	280	152.0	37.07	1.47	—	—	—	—	60	268.2	2.68	99	—	1
Crist (FL)	198	156.3	38.04	1.02	—	—	—	—	60	268.2	2.68	99	—	1
Scholtz (FL)	8	153.7	40.08	.97	—	—	—	—	—	—	—	100	—	—
Smith (FL)	73	140.1	34.13	2.74	—	—	—	—	—	—	—	100	—	—
Gulf States Utilities Co	167	151.3	26.45	.45	—	—	—	—	14,334	250.4	2.59	16	—	84
Lewis Creek (TX)	—	—	—	—	—	—	—	—	1,235	235.5	2.50	—	—	100
Nelson (LA)	167	151.3	26.45	.45	—	—	—	—	839	240.9	2.49	77	—	23
Sabine (TX)	—	—	—	—	—	—	—	—	8,777	252.8	2.61	—	—	100
Spindletop Storage (TX)	—	—	—	—	—	—	—	—	315	227.6	2.34	—	—	100
Willow Glen (LA)	—	—	—	—	—	—	—	—	3,168	254.6	2.64	—	—	100
Hamilton City of	11	140.0	34.64	.81	—	—	—	—	15	285.6	2.92	95	—	5
Hamilton (OH)	11	140.0	34.64	.81	—	—	—	—	15	285.6	2.92	95	—	5
Hawaiian Electric Co Inc	—	—	—	—	1,032	248.3	15.46	0.47	—	—	—	—	100	—
Kahe (HI)	—	—	—	—	66	244.2	15.41	.48	—	—	—	—	100	—
Storage Facility #1	—	—	—	—	966	248.5	15.46	.47	—	—	—	—	100	—
Holland City of	14	175.0	45.39	.84	—	—	—	—	3	278.0	2.86	99	—	1
James De Young (MI)	14	175.0	45.39	.84	—	—	—	—	3	278.0	2.86	99	—	1
Holyoke Water Power Co	62	186.7	48.83	.91	*	372.6	21.57	.27	—	—	—	100	*	—
Mount Tom (MA)	62	186.7	48.83	.91	*	372.6	21.57	.27	—	—	—	100	*	—
Hoosier Energy R E C Inc	335	128.6	28.17	2.80	1	346.9	20.10	—	—	—	—	100	*	—
Frank E Ratts (IN)	70	135.7	29.94	1.37	*	330.4	19.15	—	—	—	—	100	*	—
Merom (IN)	265	126.8	27.70	3.17	*	355.1	20.58	—	—	—	—	100	*	—
Houston Lighting & Power Co	1,210	176.6	28.17	.55	—	—	—	—	16,069	237.9	2.42	54	—	46
Bertron (TX)	—	—	—	—	—	—	—	—	744	237.2	2.43	—	—	100
Cedar Bayou (TX)	—	—	—	—	—	—	—	—	2,862	238.5	2.44	—	—	100
Deepwater (TX)	—	—	—	—	—	—	—	—	49	237.1	2.45	—	—	100
Green Bayou (TX)	—	—	—	—	—	—	—	—	827	237.5	2.43	—	—	100
Limestone (TX)	362	171.3	22.39	.92	—	—	—	—	70	244.4	2.49	99	—	1
Parish (TX)	848	178.3	30.65	.40	—	—	—	—	1,647	238.0	2.44	90	—	10
Robinson (TX)	—	—	—	—	—	—	—	—	5,833	238.2	2.43	—	—	100
Storage Facility #2	—	—	—	—	—	—	—	—	1,831	237.1	2.37	—	—	100
Webster (TX)	—	—	—	—	—	—	—	—	444	237.2	2.41	—	—	100
Wharton (TX)	—	—	—	—	—	—	—	—	1,763	237.2	2.40	—	—	100
Illinois Power Co	671	110.8	24.41	2.41	1	412.8	24.27	.30	70	260.0	2.65	99	*	*
Baldwin (IL)	458	104.0	22.63	2.85	1	412.8	24.27	.30	—	—	—	100	*	—
Havana (IL)	53	138.3	32.39	.55	—	—	—	—	—	—	—	100	—	—
Hennepin (IL)	60	112.8	24.79	2.79	—	—	—	—	8	268.1	2.77	99	—	1
Vermilion (IL)	47	108.7	22.68	1.65	—	—	—	—	2	331.4	3.42	100	—	*
Wood River (IL)	53	136.5	32.96	.70	—	—	—	—	59	255.8	2.60	96	—	4
Imperial Irrigation District	—	—	—	—	—	—	—	—	51	395.5	3.97	—	—	100
El Centro (CA)	—	—	—	—	—	—	—	—	51	395.5	3.97	—	—	100
Independence City of	1	127.7	26.71	4.20	3	479.7	27.68	.05	1	428.6	4.29	57	40	3
Blue Valley (MO)	1	127.7	26.71	4.20	3	479.7	27.68	.05	1	428.6	4.29	57	40	3
Indiana & Michigan Electric Co	848	108.9	20.50	.47	3	332.3	19.33	—	—	—	—	100	*	—
Rockport (IN)	690	104.7	18.33	.30	—	—	—	—	—	—	—	100	—	—
Tanners Creek (IN)	158	122.1	29.97	1.25	3	332.3	19.33	—	—	—	—	100	*	—
Indiana-Kentucky Electric Corp	489	87.1	16.72	.75	*	412.9	23.58	.30	—	—	—	100	*	—
Clifty Creek (IN)	489	87.1	16.72	.75	*	412.9	23.58	.30	—	—	—	100	*	—
Indianapolis Power & Light Co	588	99.6	21.92	2.28	3	346.9	20.29	.04	—	—	—	100	*	—
Petersburg (IN)	408	95.4	20.97	2.76	—	—	—	—	—	—	—	100	—	—
Pritchard (IN)	65	105.2	23.03	1.20	—	—	—	—	—	—	—	100	—	—
Stout (IN)	115	111.2	24.66	1.19	3	346.9	20.29	.04	—	—	—	99	1	—

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Interstate Power Co.....	181	175.7	32.09	0.77	*	340.0	19.99	—	—	—	—	100	*	—
Dubuque (IA).....	25	105.5	22.87	2.75	*	340.0	19.99	—	—	—	—	100	*	—
Kapp (IA).....	24	140.8	31.16	.52	—	—	—	—	—	—	—	100	—	—
Lansing (IA).....	132	201.2	34.01	.44	—	—	—	—	—	—	—	100	—	—
IES Utilities.....	390	90.7	15.25	.36	—	—	—	—	179	294.8	2.95	97	—	3
Burlington (IA).....	51	92.2	16.18	.47	—	—	—	—	—	—	—	100	—	—
Ottumwa (IA).....	244	93.9	15.68	.35	—	—	—	—	—	—	—	100	—	—
Prairie Creek (IA).....	61	86.7	14.56	.33	—	—	—	—	45	316.0	3.16	96	—	4
Sutherland (IA).....	34	72.2	12.01	.33	—	—	—	—	39	310.8	3.11	94	—	6
6th St (IA).....	—	—	—	—	—	—	—	—	96	278.5	2.78	—	—	100
Jacksonville Electric Auth.....	349	159.9	38.93	.92	229	192.5	12.18	1.72	122	310.0	3.28	84	14	1
Kennedy (FL).....	—	—	—	—	—	—	—	—	*	310.0	3.28	—	—	100
Northside (FL).....	—	—	—	—	225	190.4	12.06	1.74	115	310.0	3.28	—	92	8
Southside (FL).....	—	—	—	—	—	—	—	—	6	310.0	3.28	—	—	100
St Johns River (FL).....	349	159.9	38.93	.92	3	348.9	20.37	.35	—	—	—	100	*	—
Jamestown City of.....	5	131.2	32.98	2.02	—	—	—	—	—	—	—	100	—	—
Samuel A Carlson (NY).....	5	131.2	32.98	2.02	—	—	—	—	—	—	—	100	—	—
Kansas City City of.....	157	86.6	14.75	.36	—	—	—	—	8	259.2	2.58	100	—	*
Nearman (KS).....	136	78.3	12.93	.35	—	—	—	—	—	—	—	100	—	—
Quindaro (KS).....	21	130.4	26.64	.41	—	—	—	—	8	259.2	2.58	98	—	2
Kansas City Power & Light Co.....	861	73.5	12.82	.50	5	368.0	21.40	.16	44	247.3	2.47	100	*	*
Hawthorne (MO).....	163	65.6	11.45	.29	—	—	—	—	44	247.3	2.47	98	—	2
Iatan (MO).....	197	80.7	14.05	.35	—	—	—	—	—	—	—	100	—	—
La Cygne (KS).....	370	67.8	11.86	.74	3	366.6	21.28	.15	—	—	—	100	*	—
Montrose (MO).....	131	88.7	15.41	.32	2	370.2	21.57	.18	—	—	—	99	1	—
Kansas Gas & Electric Co.....	—	—	—	—	—	—	—	—	34	249.1	2.54	—	—	100
Evans (KS).....	—	—	—	—	—	—	—	—	1	253.1	2.77	—	—	100
Gill (KS).....	—	—	—	—	—	—	—	—	33	248.9	2.53	—	—	100
Kansas Power & Light Co.....	794	112.6	19.78	.32	—	—	—	—	9	642.5	6.48	100	—	*
Hutchinson (KS).....	—	—	—	—	—	—	—	—	*	391.2	4.03	—	—	100
Jeffrey Energy Cnt (KS).....	681	114.8	19.21	.30	—	—	—	—	—	—	—	100	—	—
Lawrence (KS).....	81	102.8	23.20	.45	—	—	—	—	1	642.6	6.31	100	—	*
Tecumseh (KS).....	32	102.5	23.15	.45	—	—	—	—	9	642.6	6.49	99	—	1
Kentucky Power Co.....	248	109.5	26.69	1.12	—	—	—	—	—	—	—	100	—	—
Big Sandy (KY).....	248	109.5	26.69	1.12	—	—	—	—	—	—	—	100	—	—
Kentucky Utilities Co.....	522	116.2	28.26	1.28	6	437.2	25.71	.40	—	—	—	100	*	—
Brown (KY).....	77	112.7	26.72	1.53	—	—	—	—	—	—	—	100	—	—
Ghent (KY).....	405	117.8	28.83	1.13	6	437.2	25.71	.40	—	—	—	100	*	—
Green River (KY).....	37	105.6	25.09	2.55	—	—	—	—	—	—	—	100	—	—
Tyrone (KY).....	3	115.4	30.01	.64	—	—	—	—	—	—	—	100	—	—
Lafayette City of.....	—	—	—	—	—	—	—	—	49	252.3	2.65	—	—	100
Bonin (LA).....	—	—	—	—	—	—	—	—	49	252.3	2.65	—	—	100
Lake Worth City of.....	—	—	—	—	*	373.0	21.87	.14	148	274.0	2.89	—	1	99
Tom G Smith (FL).....	—	—	—	—	*	373.0	21.87	.14	148	274.0	2.89	—	1	99
Lakeland City of.....	—	—	—	—	20	187.8	11.78	2.37	295	432.3	4.57	—	29	71
Larsen Mem (FL).....	—	—	—	—	—	—	—	—	224	432.3	4.57	—	—	100
Plant 3-Mcintosh (FL).....	—	—	—	—	20	187.8	11.78	2.37	71	432.3	4.57	—	63	37
Lansing City of.....	67	151.4	31.73	.51	*	421.0	24.40	.30	—	—	—	100	*	—
Eckert (MI).....	39	145.0	28.13	.36	*	421.0	24.40	.30	—	—	—	100	*	—
Erickson (MI).....	28	158.9	36.68	.72	*	421.0	24.40	.30	—	—	—	100	*	—

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf		
Long Island Lighting Co.....	—	—	—	—	1,087	217.3	13.93	0.85	2,813	259.6	2.66	—	71	29
Barrett (NY).....	—	—	—	—	—	—	—	—	743	263.3	2.74	—	—	100
Far Rockaway (NY).....	—	—	—	—	—	—	—	—	467	256.2	2.66	—	—	100
Glenwood (NY).....	—	—	—	—	—	—	—	—	116	265.6	2.76	—	—	100
Northport (NY).....	—	—	—	—	775	215.9	13.84	.82	1,030	257.5	2.61	—	83	17
Port Jefferson (NY).....	—	—	—	—	312	220.5	14.15	.94	457	260.4	2.64	—	81	19
Los Angeles City of.....	457	135.3	31.43	0.54	—	—	—	—	505	378.1	3.83	95	—	5
Harbor (CA).....	—	—	—	—	—	—	—	—	188	378.1	3.80	—	—	100
Intermountain (UT).....	457	135.3	31.43	.54	—	—	—	—	—	—	—	100	—	—
Scattergood (CA).....	—	—	—	—	—	—	—	—	317	378.1	3.85	—	—	100
Louisiana Power & Light Co.....	—	—	—	—	*	402.5	23.46	.14	8,440	263.4	2.72	—	*	100
Little Gypsy (LA).....	—	—	—	—	—	—	—	—	2,448	259.3	2.68	—	—	100
Nine Mile (LA).....	—	—	—	—	—	—	—	—	4,779	261.6	2.71	—	—	100
Sterlington (LA).....	—	—	—	—	*	402.5	23.46	.14	396	256.9	2.64	—	*	100
Waterford (LA).....	—	—	—	—	—	—	—	—	817	289.5	3.00	—	—	100
Louisville Gas & Electric Co.....	696	95.8	21.62	3.29	21	438.6	25.79	.25	78	518.4	5.31	99	1	1
Cane Run (KY).....	157	98.3	22.29	3.38	—	—	—	—	65	518.4	5.31	98	—	2
Mill Creek (KY).....	356	97.8	22.04	3.12	19	438.2	25.77	.25	13	518.4	5.31	98	1	*
Trimble County (KY).....	184	90.0	20.25	3.53	2	443.0	26.05	.25	—	—	—	100	*	—
Lower Colorado River Authority.....	510	93.4	16.17	.35	—	—	—	—	4,193	233.7	2.36	68	—	32
Gideon (TX).....	—	—	—	—	—	—	—	—	2,674	231.0	2.33	—	—	100
S Seymour-Fayette (TX).....	510	93.4	16.17	.35	—	—	—	—	—	—	—	100	—	—
T C Ferguson (TX).....	—	—	—	—	—	—	—	—	1,519	238.4	2.40	—	—	100
Lubbock City of.....	—	—	—	—	—	—	—	—	385	222.7	2.24	—	—	100
Holly Ave (TX).....	—	—	—	—	—	—	—	—	385	222.7	2.24	—	—	100
Madison Gas & Electric Co.....	12	141.2	30.16	1.47	—	—	—	—	109	299.0	3.01	70	—	30
Blount (WI).....	12	141.2	30.16	1.47	—	—	—	—	109	299.0	3.01	70	—	30
Manitowoc Public Utilities.....	4	182.6	45.69	.80	—	—	—	—	—	—	—	100	—	—
Manitowoc (WI).....	4	182.6	45.69	.80	—	—	—	—	—	—	—	100	—	—
Massachusetts Mun Wholes El Co.....	—	—	—	—	—	—	—	—	100	271.9	2.79	—	—	100
Stonybrook (MA).....	—	—	—	—	—	—	—	—	100	271.9	2.79	—	—	100
Medina Electric Coop Inc.....	—	—	—	—	—	—	—	—	1	255.0	3.14	—	—	100
Pearsall (TX).....	—	—	—	—	—	—	—	—	1	255.0	3.14	—	—	100
Metropolitan Edison Co.....	104	138.2	36.55	1.58	1	365.6	20.88	.30	—	—	—	100	*	—
Portland (PA).....	58	139.8	37.01	1.60	—	—	—	—	—	—	—	100	—	—
Titus (PA).....	47	136.3	35.98	1.56	1	365.6	20.88	.30	—	—	—	100	*	—
Michigan South Central Pwr Agy.....	11	157.6	37.72	3.27	—	—	—	—	—	—	—	100	—	—
Project I (MI).....	11	157.6	37.72	3.27	—	—	—	—	—	—	—	100	—	—
MidAmerican Energy.....	1,028	73.9	12.54	.34	5	363.5	20.76	—	43	385.3	3.92	100	*	*
Council Bluffs (IA).....	317	71.7	12.01	.33	—	—	—	—	2	428.4	4.27	100	—	*
George Neal 1-4 (IA).....	442	73.2	12.61	.36	5	363.5	20.76	—	17	414.2	4.20	99	*	*
Louisa (IA).....	225	78.6	13.16	.34	—	—	—	—	12	313.2	3.24	100	—	*
Riverside (IA).....	44	72.2	12.59	.20	—	—	—	—	12	411.0	4.16	98	—	2
Minnesota Power & Light Co.....	346	114.3	20.55	.59	2	386.7	22.25	.20	—	—	—	100	*	—
Boswell Energy Center (MN).....	326	114.1	20.45	.60	2	386.1	22.22	.20	—	—	—	100	*	—
Laskin Energy Center (MN).....	20	117.0	22.08	.33	*	393.4	22.64	.20	—	—	—	100	*	—
Minnkota Power Coop Inc.....	192	59.5	8.02	.80	6	360.7	21.21	.40	—	—	—	99	1	—
Young (ND).....	192	59.5	8.02	.80	6	360.7	21.21	.40	—	—	—	99	1	—
Mississippi Power & Light Co.....	—	—	—	—	416	176.1	11.66	3.00	1,934	246.4	2.54	—	58	42

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu					
	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)			(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl			(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf				
Mississippi Power & Light Co																	
Brown (MS).....	—	—	—	—	—	—	—	—	—	—	102	243.7	2.54	—	—	100	
Delta (MS).....	—	—	—	—	—	—	—	—	—	—	24	317.8	3.26	—	—	100	
Wilson (MS).....	—	—	—	—	—	416	176.1	11.66	3.00	—	1,808	245.7	2.53	—	60	40	
Mississippi Power Co.....	385	139.3	28.95	0.82	—	1	321.6	18.61	.50	—	228	267.0	2.79	—	97	*	3
Daniel (MS).....	226	140.9	26.83	.37	—	1	321.6	18.61	.50	—	—	—	—	—	100	*	—
Eaton (MS).....	—	—	—	—	—	—	—	—	—	—	14	264.4	2.74	—	—	100	
Sweatt (MS).....	—	—	—	—	—	—	—	—	—	—	51	270.2	2.76	—	—	100	
Watson (MS).....	159	137.4	31.98	1.45	—	—	—	—	—	—	163	266.3	2.81	96	—	4	
Monongahela Power Co.....	975	108.9	27.14	3.18	—	3	392.8	23.26	.30	—	—	—	—	100	*	—	
Albright (WV).....	18	106.1	27.15	1.63	—	1	394.8	23.38	.30	—	—	—	—	99	1	—	
Ft Martin (WV).....	181	119.2	29.27	1.51	—	2	384.2	22.75	.30	—	—	—	—	100	*	—	
Harrison (WV).....	463	115.9	29.19	3.55	—	*	400.0	23.69	.30	—	—	—	—	100	*	—	
Pleasants (WV).....	296	91.6	22.55	3.82	—	*	504.6	29.88	.30	—	—	—	—	100	*	—	
Rivesville (WV).....	1	117.7	27.22	1.00	—	*	389.6	23.07	.30	—	—	—	—	95	5	—	
Willow Island (WV).....	15	107.2	28.54	1.42	—	—	—	—	—	—	—	—	—	100	—	—	
Montana Power Co.....	884	82.8	14.08	.73	—	2	435.4	25.78	—	—	13	131.7	1.35	100	*	*	
Colstrip (MT).....	849	83.8	14.26	.75	—	2	435.4	25.78	—	—	—	—	—	100	*	—	
Corette (MT).....	35	58.5	9.70	.24	—	—	—	—	—	—	13	131.7	1.35	98	—	2	
Montana-Dakota Utilities Co.....	284	88.3	12.19	1.10	—	—	—	—	—	—	*	2 886.9	10.09	100	—	*	
Coyote (ND).....	224	84.3	11.65	1.16	—	—	—	—	—	—	—	—	—	100	—	—	
Heskett (ND).....	35	110.8	15.61	1.16	—	—	—	—	—	—	—	—	—	100	—	—	
Lewis and Clark (MT).....	25	92.8	12.21	.44	—	—	—	—	—	—	*	2 886.9	10.09	100	—	*	
Montaup Electric Co.....	29	181.3	45.54	.74	—	—	—	—	—	—	—	—	—	100	—	—	
Somerset (MA).....	29	181.3	45.54	.74	—	—	—	—	—	—	—	—	—	100	—	—	
Morgan City City of.....	—	—	—	—	—	—	—	—	—	—	2	253.0	2.64	—	—	100	
Morgan City (LA).....	—	—	—	—	—	—	—	—	—	—	2	253.0	2.64	—	—	100	
Muscatine City of.....	107	101.8	19.19	1.21	—	—	—	—	—	—	1	311.9	3.18	100	—	*	
Muscatine (IA).....	107	101.8	19.19	1.21	—	—	—	—	—	—	1	311.9	3.18	100	—	*	
Nebraska Public Power District.....	484	49.6	8.57	.26	—	*	386.6	22.43	—	—	61	159.8	1.60	99	*	1	
Gerald Gentleman (NE).....	402	47.2	8.13	.27	—	*	386.6	22.43	—	—	59	149.8	1.50	99	*	1	
Sheldon (NE).....	82	60.9	10.74	.18	—	—	—	—	—	—	2	470.9	4.71	100	—	*	
Nevada Power Co.....	97	131.5	30.67	.43	—	2	408.0	23.84	.30	—	1,435	263.0	2.67	61	*	39	
Clark (NV).....	—	—	—	—	—	—	—	—	—	—	1,435	263.0	2.67	—	—	100	
Gardner (NV).....	97	131.5	30.67	.43	—	2	408.0	23.84	.30	—	—	—	—	99	1	—	
New England Power Co.....	379	162.4	40.72	.68	—	491	217.0	13.84	1.54	—	1,628	335.7	3.44	66	22	12	
Brayton (MA).....	275	167.1	41.75	.70	—	295	225.0	14.37	1.16	—	21	265.8	2.72	78	22	*	
Manchester St (RI).....	—	—	—	—	—	—	—	—	—	—	1,606	336.6	3.45	—	—	100	
Salem Harbor (MA).....	105	150.2	38.00	.64	—	195	204.8	13.05	2.12	—	—	—	—	68	32	—	
New Orleans Public Service Inc.....	—	—	—	—	—	—	—	—	—	—	1,835	248.9	2.59	—	—	100	
Michoud (LA).....	—	—	—	—	—	—	—	—	—	—	1,835	248.9	2.59	—	—	100	
New York State Elec & Gas Corp.....	290	134.9	34.96	1.88	—	—	—	—	—	—	—	—	—	100	—	—	
Goudy (NY).....	27	141.0	37.80	2.18	—	—	—	—	—	—	—	—	—	100	—	—	
Greenidge (NY).....	18	143.4	37.38	1.65	—	—	—	—	—	—	—	—	—	100	—	—	
Hickling (NY).....	17	123.4	25.05	.62	—	—	—	—	—	—	—	—	—	100	—	—	
Jennison (NY).....	6	162.5	42.75	1.54	—	—	—	—	—	—	—	—	—	100	—	—	
Kintigh (NY).....	160	132.4	34.88	1.80	—	—	—	—	—	—	—	—	—	100	—	—	
Milliken (NY).....	60	135.7	35.25	2.42	—	—	—	—	—	—	—	—	—	100	—	—	
Niagara Mohawk Power Corp.....	217	136.4	35.88	1.70	—	205	179.2	11.45	1.47	—	136	297.9	3.04	80	18	2	
Albany (NY).....	—	—	—	—	—	202	176.9	11.32	1.48	—	38	292.4	2.98	—	97	3	
Dunkirk (NY).....	126	130.7	34.35	1.79	—	2	378.8	20.87	.35	—	—	—	—	100	*	—	

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sul- fur %	Receipts	Average Cost ³		Avg. Sul- fur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Niagara Mohawk Power Corp														
Huntley (NY).....	91	144.2	37.99	1.57	1	556.1	30.56	0.34	—	—	—	100	*	—
Oswego (NY).....	—	—	—	—	—	—	—	—	98	300.0	3.07	—	—	100
Northern Indiana Pub Serv Co	696	127.6	25.23	1.43	—	—	—	—	129	332.0	3.39	99	—	1
Bailly (IN)	54	131.0	28.78	2.99	—	—	—	—	1	626.6	6.40	100	—	*
Michigan City (IN).....	88	119.6	21.48	.38	—	—	—	—	95	324.7	3.32	94	—	6
Mitchell (IN).....	127	146.5	27.67	.44	—	—	—	—	*	356.1	3.64	100	—	*
Rollin Schahfer (IN).....	427	123.3	24.83	1.74	—	—	—	—	32	345.6	3.53	100	—	*
Northern States Power Co.....	904	110.9	19.44	.40	—	—	—	—	48	359.6	3.65	100	—	*
Bay Front (WI).....	1	146.9	34.00	.61	—	—	—	—	19	493.3	4.99	59	—	41
Black Dog (MN)	84	105.4	18.55	.18	—	—	—	—	8	281.5	2.87	99	—	1
High Bridge (MN).....	60	105.1	18.73	.18	—	—	—	—	9	251.8	2.57	99	—	1
King (MN).....	48	111.4	19.68	.18	—	—	—	—	4	251.8	2.57	99	—	1
Riverside (MN).....	121	99.3	17.57	.16	—	—	—	—	8	288.4	2.94	100	—	*
Sherburne County (MN)	590	114.6	19.98	.52	—	—	—	—	—	—	—	100	—	—
Ohio Edison Co.....	636	113.0	27.42	1.41	1	292.3	16.97	.34	—	—	—	100	*	—
Burger (OH).....	66	98.4	24.80	2.59	*	350.8	20.36	.26	—	—	—	100	*	—
Niles (OH).....	49	105.5	25.98	3.22	1	272.8	15.84	.37	—	—	—	100	*	—
Sammis (OH).....	521	115.7	27.88	1.09	—	—	—	—	—	—	—	100	—	—
Ohio Power Co.....	1,257	164.4	37.96	2.79	12	385.0	22.44	.20	—	—	—	100	*	—
Gavin (OH).....	713	157.1	35.05	3.23	—	—	—	—	—	—	—	100	—	—
Kammer (WV).....	130	86.5	21.22	2.98	1	422.3	24.41	.20	—	—	—	100	*	—
Mitchell (WV).....	271	146.1	36.09	.80	10	387.6	22.62	.20	—	—	—	99	1	—
Muskingum (OH)	143	314.5	71.25	4.20	1	352.9	20.41	.20	—	—	—	100	*	—
Ohio Valley Electric Corp	222	111.1	28.82	2.03	1	380.7	21.75	.30	—	—	—	100	*	—
Kyger Creek (OH).....	222	111.1	28.82	2.03	1	380.7	21.75	.30	—	—	—	100	*	—
Oklahoma Gas & Electric Co	869	83.1	14.37	.29	—	—	—	—	3,930	300.1	3.11	79	—	21
Horseshoe Lake (OK)	—	—	—	—	—	—	—	—	333	300.1	3.11	—	—	100
Muskogee (OK).....	537	84.9	14.62	.27	—	—	—	—	25	300.1	3.11	100	—	*
Mustang (OK).....	—	—	—	—	—	—	—	—	230	300.1	3.11	—	—	100
Seminole (OK).....	—	—	—	—	—	—	—	—	3,341	300.1	3.11	—	—	100
Sooner (OK)	332	80.3	13.96	.32	—	—	—	—	—	—	—	100	—	—
Omaha Public Power District	417	68.5	11.57	.30	3	371.6	21.46	.20	51	250.6	2.42	99	*	1
Nebraska City (NE).....	225	66.5	11.17	.33	3	371.6	21.46	.20	—	—	—	100	*	—
North Omaha (NE).....	192	70.7	12.04	.27	—	—	—	—	51	250.6	2.42	99	—	1
Orange & Rockland Utils Inc.....	30	179.8	46.78	.89	—	—	—	—	1,474	283.0	2.93	34	—	66
Bowline (NY)	—	—	—	—	—	—	—	—	1,359	280.8	2.91	—	—	100
Lovett (NY).....	30	179.8	46.78	.89	—	—	—	—	115	309.2	3.20	87	—	13
Orlando Utilities Comm.....	213	176.7	45.26	1.06	23	254.4	15.64	.87	796	289.6	2.97	85	2	13
Indian River (FL).....	—	—	—	—	23	254.4	15.64	.87	796	289.6	2.97	—	15	85
Stanton Energy (FL).....	213	176.7	45.26	1.06	—	—	—	—	—	—	—	100	—	—
Orrville City of.....	15	97.1	22.57	3.38	—	—	—	—	—	—	—	100	—	—
Orrville (OH).....	15	97.1	22.57	3.38	—	—	—	—	—	—	—	100	—	—
Otter Tail Power Co.....	211	97.3	17.09	.57	*	382.9	22.51	.31	—	—	—	100	*	—
Big Stone (SD).....	175	91.6	15.89	.61	—	—	—	—	—	—	—	100	—	—
Hoot Lake (MN).....	36	123.4	22.95	.39	*	382.9	22.51	.31	—	—	—	100	*	—
Owensboro City of.....	138	96.2	20.76	2.95	—	—	—	—	—	—	—	100	—	—
Smith (KY).....	138	96.2	20.76	2.95	—	—	—	—	—	—	—	100	—	—
Pacific Gas & Electric Co.....	—	—	—	—	—	—	—	—	8,638	236.7	2.43	—	—	100
Contra Costa (CA).....	—	—	—	—	—	—	—	—	396	236.7	2.49	—	—	100
Humboldt Bay (CA).....	—	—	—	—	—	—	—	—	178	236.7	2.43	—	—	100

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu					
	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)			(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl			(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf				
Pacific Gas & Electric Co																	
Hunters Point (CA)	—	—	—	—	—	—	—	—	—	—	1,172	236.7	2.40	—	—	100	
Morro Bay (CA)	—	—	—	—	—	—	—	—	—	—	1,218	236.7	2.41	—	—	100	
Moss Landing (CA)	—	—	—	—	—	—	—	—	—	—	3,967	236.7	2.43	—	—	100	
Pittsburg (CA)	—	—	—	—	—	—	—	—	—	—	809	236.7	2.49	—	—	100	
Potrero (CA)	—	—	—	—	—	—	—	—	—	—	898	236.7	2.40	—	—	100	
PacifiCorp	2,846	90.8	17.47	0.52		9	422.3	24.83	0.30		8	456.7	4.77	100	*	*	
Carbon (UT)	42	58.1	14.03	.44		1	408.0	23.99	.30		—	—	—	—	99	1	—
Centralia (WA)	502	146.9	24.64	.49		1	474.0	27.87	.30		—	—	—	—	100	*	—
Emery-Hunter (UT)	545	85.9	20.16	.41		—	—	—	—		—	—	—	—	100	—	—
Huntington (UT)	223	70.1	15.98	.41		5	408.3	24.01	.30		—	—	—	—	99	1	—
Jim Bridger (WY)	689	93.7	17.48	.57		—	—	—	—		—	—	—	—	100	—	—
Johnston (WY)	412	48.3	7.65	.48		—	—	—	—		—	—	—	—	100	—	—
Naughton (WY)	257	94.4	19.28	.75		—	—	—	—		8	456.7	4.77	100	—	*	—
Wyodak (WY)	176	72.6	11.75	.66		2	438.6	25.79	.30		—	—	—	—	100	*	—
Painesville City of	6	140.0	35.24	2.59		—	—	—	—		*	547.0	5.47	100	—	*	—
Painesville (OH)	6	140.0	35.24	2.59		—	—	—	—		*	547.0	5.47	100	—	*	—
Pasadena City of	—	—	—	—		—	—	—	—		120	331.6	3.35	—	—	—	100
Broadway (CA)	—	—	—	—		—	—	—	—		120	331.6	3.35	—	—	—	100
Pennsylvania Electric Co	1,587	119.9	29.05	2.03		3	349.0	20.30	.05		47 ²	1,766.7	18.04	100	*	*	—
Conemaugh (PA)	497	109.8	27.80	2.19		—	—	—	—		47 ²	1,766.7	18.04	100	—	*	—
Homer City (PA)	515	120.1	27.23	2.23		1	346.2	20.07	.05		—	—	—	—	100	*	—
Keystone (PA)	414	134.4	33.20	1.71		—	—	—	—		—	—	—	—	100	—	—
Seward (PA)	31	113.5	27.76	1.42		1	350.9	20.46	.05		—	—	—	—	99	1	—
Shawville (PA)	123	113.9	28.01	1.74		1	350.4	20.43	.05		—	—	—	—	100	*	—
Warren (PA)	8	124.3	30.67	1.66		—	—	—	—		—	—	—	—	100	—	—
Pennsylvania Power & Light Co	625	146.1	36.09	1.70		90	213.8	13.60	.79		—	—	—	—	96	4	—
Brunner Island (PA)	248	153.6	40.02	1.77		2	438.9	25.52	.17		—	—	—	—	100	*	—
Holtwood (PA)	17	122.3	21.03	.71		—	—	—	—		—	—	—	—	100	—	—
Martins Creek (PA)	40	142.6	37.52	1.61		—	—	—	—		—	—	—	—	100	—	—
Montour (PA)	221	145.0	36.41	1.97		10	339.4	19.69	.09		—	—	—	—	99	1	—
Storage Facility #1	—	—	—	—		78	194.1	12.51	.89		—	—	—	—	—	100	—
Sunbury (PA)	99	130.9	27.55	1.14		—	—	—	—		—	—	—	—	100	—	—
Pennsylvania Power Co	609	172.6	41.17	3.12		*	417.9	24.11	.06		—	—	—	—	100	*	—
Bruce Mansfield (PA)	545	179.1	42.66	3.29		—	—	—	—		—	—	—	—	100	—	—
New Castle (PA)	65	118.4	28.63	1.68		*	417.9	24.11	.06		—	—	—	—	100	*	—
Philadelphia Electric Co	132	143.3	37.72	1.77		43	259.2	16.28	.56		166	253.0	2.62	89	7	4	
Cromby (PA)	38	142.4	37.42	1.83		35	245.5	15.64	.65		6	253.0	2.62	81	18	*	—
Eddystone (PA)	94	143.7	37.84	1.75		8	323.9	19.04	.17		160	253.0	2.62	92	2	6	
Plains Elec Gen&Trans Coop Inc	68	162.6	30.61	.70		—	—	—	—		*	337.2	2.79	100	—	*	—
Escalante (NM)	68	162.6	30.61	.70		—	—	—	—		*	337.2	2.79	100	—	*	—
Platte River Power Authority	88	55.7	9.55	.27		—	—	—	—		—	—	—	—	100	—	—
Rawhide (CO)	88	55.7	9.55	.27		—	—	—	—		—	—	—	—	100	—	—
Portland General Electric Co	160	109.2	19.03	.38		—	—	—	—		2,249	134.3	1.36	55	—	45	
Beaver (OR)	—	—	—	—		—	—	—	—		1,068	148.7	1.50	—	—	100	
Boardman (OR)	160	109.2	19.03	.38		—	—	—	—		—	—	—	—	100	—	—
Coyote Springs (OR)	—	—	—	—		—	—	—	—		1,181	121.3	1.23	—	—	100	
Potomac Edison Co	5	136.0	33.65	.79		—	—	—	—		—	—	—	—	100	—	—
Smith (MD)	5	136.0	33.65	.79		—	—	—	—		—	—	—	—	100	—	—
Potomac Electric Power Co	462	153.0	39.78	1.39		127	231.6	14.79	.70		90	327.6	3.42	93	6	1	
Chalk (MD)	97	160.4	42.02	1.49		127	231.6	14.79	.70		90	327.6	3.42	74	24	3	
Dickerson (MD)	122	142.1	37.15	1.43		—	—	—	—		—	—	—	—	100	—	—

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Potomac Electric Power Co														
Morgantown (MD).....	174	154.9	40.06	1.54	—	—	—	—	—	—	—	100	—	—
Potomac River (VA).....	69	157.3	40.59	.79	—	—	—	—	—	—	—	100	—	—
Power Authority of State of NY	—	—	—	—	—	—	—	—	781	455.0	4.60	—	—	100
Richard Flynn (NY).....	—	—	—	—	—	—	—	—	781	455.0	4.60	—	—	100
Public Service Co of Colorado	887	97.9	19.10	.37	—	—	—	—	172	246.8	2.45	99	—	1
Arapahoe (CO).....	61	82.7	14.31	.25	—	—	—	—	53	232.3	2.30	95	—	5
Cameo (CO).....	26	97.3	21.16	.52	—	—	—	—	*	229.1	2.30	100	—	*
Cherokee (CO).....	199	104.1	24.04	.48	—	—	—	—	57	254.0	2.51	99	—	1
Comanche (CO).....	240	100.6	17.23	.29	—	—	—	—	5	252.9	2.51	100	—	*
Hayden (CO).....	154	94.1	19.98	.42	—	—	—	—	—	—	—	100	—	—
Pawnee (CO).....	166	86.6	14.47	.32	—	—	—	—	19	246.7	2.51	99	—	1
Valmont (CO).....	41	119.8	27.51	.49	—	—	—	—	29	254.3	2.51	97	—	3
Zuni (CO).....	—	—	—	—	—	—	—	—	8	262.4	2.60	—	—	100
Public Service Co of NH	72	164.6	43.51	1.81	107	220.6	14.13	1.87	—	—	—	73	27	—
Merrimack (NH).....	72	164.6	43.51	1.81	*	364.5	21.09	.27	—	—	—	100	*	—
Newington Station (NH).....	—	—	—	—	107	220.4	14.12	1.88	—	—	—	—	100	—
Public Service Co of NM	441	163.2	30.23	.79	2	469.3	26.81	1.00	39	314.1	3.20	99	*	*
Reeves (NM).....	—	—	—	—	—	—	—	—	39	314.1	3.20	—	—	100
San Juan (NM).....	441	163.2	30.23	.79	2	469.3	26.81	1.00	—	—	—	100	*	—
Public Service Co of Oklahoma	367	111.9	19.68	.19	—	—	—	—	3,734	271.4	2.76	63	—	37
Comanche (CS) (OK).....	—	—	—	—	—	—	—	—	1,266	276.1	2.83	—	—	100
Northeastern (OK).....	367	111.9	19.68	.19	—	—	—	—	831	270.7	2.74	88	—	12
Riverside (OK).....	—	—	—	—	—	—	—	—	1,451	268.6	2.72	—	—	100
Southwestern (OK).....	—	—	—	—	—	—	—	—	186	265.0	2.68	—	—	100
Public Service Electric & Gas Co	112	148.4	39.75	.75	36	269.4	17.10	.30	984	295.0	3.05	71	5	24
Bergen (NJ).....	—	—	—	—	—	—	—	—	334	295.0	3.05	—	—	100
Hudson (NJ).....	35	139.8	34.42	.82	—	—	—	—	—	—	—	100	—	—
Mercer (NJ).....	77	151.8	42.15	.72	—	—	—	—	18	295.0	3.06	99	—	1
Sewaren (NJ).....	—	—	—	—	36	269.4	17.10	.30	631	295.0	3.05	—	26	74
PSI Energy Inc.	1,315	108.5	24.01	1.86	8	346.8	19.96	.30	—	—	—	100	*	—
Cayuga (IN).....	147	117.3	25.26	1.74	—	—	—	—	—	—	—	100	—	—
Edwardsport (IN).....	23	101.9	22.73	1.62	—	—	—	—	—	—	—	100	—	—
Gallagher (IN).....	68	105.8	27.63	2.05	—	—	—	—	—	—	—	100	—	—
Gibson Station (IN).....	841	108.0	23.79	1.91	1	315.7	18.17	.30	—	—	—	100	*	—
Noblesville (IN).....	12	115.7	25.27	2.14	—	—	—	—	—	—	—	100	—	—
Wabash River (IN).....	225	106.4	22.98	1.71	6	353.3	20.33	.30	—	—	—	99	1	—
Richmond City of	19	137.1	31.49	2.58	—	—	—	—	—	—	—	100	—	—
Whitewater (IN).....	19	137.1	31.49	2.58	—	—	—	—	—	—	—	100	—	—
Rochester City of	—	—	—	—	—	—	—	—	2	281.6	2.87	—	—	100
Silver Lake (MN).....	—	—	—	—	—	—	—	—	2	281.6	2.87	—	—	100
Rochester Gas & Electric Corp.	77	143.5	38.20	2.17	—	—	—	—	—	—	—	100	—	—
Russell Station 7 (NY).....	77	143.5	38.20	2.17	—	—	—	—	—	—	—	100	—	—
Ruston City of	—	—	—	—	—	—	—	—	92	241.4	2.50	—	—	100
Steam Plant (LA).....	—	—	—	—	—	—	—	—	92	241.4	2.50	—	—	100
S Mississippi Elec Pwr Assn.	53	213.4	52.52	.93	—	—	—	—	383	241.7	2.49	77	—	23
Moselle (MS).....	—	—	—	—	—	—	—	—	383	241.7	2.49	—	—	100
R D Morrow (MS).....	53	213.4	52.52	.93	—	—	—	—	—	—	—	100	—	—
Sacramento Municipal Utility	—	—	—	—	—	—	—	—	1,532	217.7	2.18	—	—	100
Central Valley (CA).....	—	—	—	—	—	—	—	—	189	216.9	2.17	—	—	100
SCA Cogen Proj (CA).....	—	—	—	—	—	—	—	—	591	217.8	2.18	—	—	100
SPA Cogen Proj (CA).....	—	—	—	—	—	—	—	—	752	217.8	2.18	—	—	100

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Salt River Proj Ag I & P Dist	696	143.0	30.15	0.51	4	447.0	25.86	0.50	267	352.9	3.55	98	*	2
Agua Fria (AZ)	—	—	—	—	—	—	—	—	89	397.5	3.99	—	—	100
Coronado (AZ)	239	167.9	32.72	.46	4	447.0	25.86	.50	—	—	—	99	1	—
Kyrene (AZ)	—	—	—	—	—	—	—	—	12	552.8	5.58	—	—	100
Navajo (AZ)	457	131.4	28.80	.53	—	—	—	—	—	—	—	100	—	—
Santan (AZ)	—	—	—	—	—	—	—	—	165	314.1	3.16	—	—	100
San Antonio City of	371	98.8	16.53	.35	—	—	—	—	4,761	248.3	2.52	56	—	44
Braunig (TX)	—	—	—	—	—	—	—	—	1,468	248.3	2.51	—	—	100
JT Deely/Spruce (TX)	371	98.8	16.53	.35	—	—	—	—	1	248.3	2.53	100	—	*
Leon Creek (TX)	—	—	—	—	—	—	—	—	6	248.3	2.52	—	—	100
Mission Rd (TX)	—	—	—	—	—	—	—	—	3	248.3	2.52	—	—	100
Sommers (TX)	—	—	—	—	—	—	—	—	3,283	248.3	2.52	—	—	100
San Diego Gas & Electric Co.	—	—	—	—	—	—	—	—	3,424	291.1	2.92	—	—	100
Encina (CA)	—	—	—	—	—	—	—	—	1,428	299.6	3.01	—	—	100
South Bay (CA)	—	—	—	—	—	—	—	—	1,996	285.1	2.87	—	—	100
San Miguel Electric Coop Inc.	329	61.8	6.44	1.80	—	—	—	—	—	—	—	100	—	—
San Miguel (TX)	329	61.8	6.44	1.80	—	—	—	—	—	—	—	100	—	—
Savannah Electric & Power Co.	74	144.0	32.70	1.29	*	355.2	20.59	.50	30	² 136.0	1.39	98	*	2
Kraft (GA)	36	147.8	35.43	1.58	—	—	—	—	30	135.0	1.38	97	—	3
McIntosh (GA)	38	140.1	30.16	1.03	*	355.2	20.59	.50	—	—	—	100	*	—
Riverside (GA)	—	—	—	—	—	—	—	—	*	² 9,999.0	102.39	—	—	100
Seminole Electric Coop Inc.	291	177.3	43.53	2.92	2	371.4	21.42	.18	—	—	—	100	*	—
Seminole (FL)	291	177.3	43.53	2.92	2	371.4	21.42	.18	—	—	—	100	*	—
Sierra Pacific Power Co.	68	211.9	48.20	.38	1	409.5	23.73	.20	2,301	200.9	2.07	39	*	60
Fort Churchill (NV)	—	—	—	—	—	—	—	—	911	200.9	2.07	—	—	100
North Valmy (NV)	68	211.9	48.20	.38	1	409.5	23.73	.20	—	—	—	100	*	—
Pinon Pine (NV)	—	—	—	—	—	—	—	—	368	200.9	2.07	—	—	100
Tracy (NV)	—	—	—	—	—	—	—	—	1,021	200.9	2.07	—	—	100
Sikeston City of	53	104.0	18.17	.35	1	325.5	19.28	.26	—	—	—	99	1	—
Sikeston (MO)	53	104.0	18.17	.35	1	325.5	19.28	.26	—	—	—	99	1	—
South Carolina Electric&Gas Co.	473	152.7	39.11	1.10	5	382.1	22.15	.20	16	336.3	3.44	100	*	*
Canadys (SC)	95	151.4	38.61	1.35	2	388.8	22.53	.20	1	361.8	3.70	99	*	*
Cope (SC)	94	153.8	38.50	1.09	1	372.0	21.56	.20	—	—	—	100	*	—
Mcmeekin (SC)	52	149.9	39.89	1.25	—	—	—	—	—	—	—	100	—	—
Urguhart (SC)	41	150.7	39.90	1.13	—	—	—	—	15	334.6	3.43	99	—	1
Wateree (SC)	107	148.4	37.42	1.02	2	380.8	22.07	.20	—	—	—	100	*	—
Williams (SC)	84	161.0	41.67	.82	—	—	—	—	*	418.9	4.29	100	—	*
South Carolina Pub Serv Auth.	534	135.1	35.01	1.31	—	—	—	—	—	—	—	100	—	—
Cross (SC)	191	135.7	34.95	1.12	—	—	—	—	—	—	—	100	—	—
Grainger (SC)	18	151.1	40.02	1.70	—	—	—	—	—	—	—	100	—	—
Jefferies (SC)	83	132.0	35.20	1.64	—	—	—	—	—	—	—	100	—	—
Winyah (SC)	242	134.6	34.63	1.32	—	—	—	—	—	—	—	100	—	—
Southern California Edison Co.	190	197.3	43.06	.55	—	—	—	—	3,815	316.4	3.20	52	—	48
Alamitos (CA)	—	—	—	—	—	—	—	—	1,265	319.2	3.20	—	—	100
Cool Water (CA)	—	—	—	—	—	—	—	—	60	274.1	2.82	—	—	100
El Segundo (CA)	—	—	—	—	—	—	—	—	46	308.6	3.17	—	—	100
Huntington Beach (CA)	—	—	—	—	—	—	—	—	544	313.1	3.19	—	—	100
Mandalay (CA)	—	—	—	—	—	—	—	—	145	287.2	3.04	—	—	100
Mohave (NV)	190	197.3	43.06	.55	—	—	—	—	38	307.4	3.11	99	—	1
Ormond Beach (CA)	—	—	—	—	—	—	—	—	151	321.0	3.30	—	—	100
Redondo (CA)	—	—	—	—	—	—	—	—	1,565	319.7	3.23	—	—	100
Southern Illinois Power Coop	62	98.3	21.27	2.95	1	362.4	20.65	—	—	—	—	100	*	—
Marion (IL)	62	98.3	21.27	2.95	1	362.4	20.65	—	—	—	—	100	*	—

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu					
	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)	(1,000 bbls)		(Cents per 10 ⁶ Btu)	\$ per bbl	(1,000 Mcf)	(Cents per 10 ⁶ Btu)		\$ per Mcf						
Southern Indiana Gas & Elec Co.....	366	94.6	21.59	3.32	—	—	—	—	11	303.4	3.11	100	—	*			
A B Brown (IN).....	162	94.9	21.67	3.70	—	—	—	—	9	291.4	2.99	100	—	*			
Culley (IN).....	164	93.9	21.58	3.12	—	—	—	—	2	320.8	3.29	100	—	*			
Warrick (IN).....	40	96.5	21.31	2.61	—	—	—	—	1	460.2	4.72	100	—	*			
Southwestern Electric Power Co.....	1,038	172.7	28.52	.44	—	—	—	—	2,811	251.3	2.55	86	—	14			
Flint Creek (AR).....	284	140.1	23.92	.33	—	—	—	—	—	—	—	100	—	—			
Knox Lee (TX).....	—	—	—	—	—	—	—	—	1,096	257.6	2.61	—	—	100			
Lieberman (LA).....	—	—	—	—	—	—	—	—	10	251.2	2.51	—	—	100			
Pirkey (TX).....	101	332.3	44.30	1.55	—	—	—	—	16	256.1	2.56	99	—	1			
Welsh Station (TX).....	653	167.6	28.07	.31	—	—	—	—	—	—	—	100	—	—			
Wilkes (TX).....	—	—	—	—	—	—	—	—	1,689	247.3	2.51	—	—	100			
Southwestern Public Service Co.....	647	182.9	31.78	.37	—	—	—	—	7,405	240.1	2.40	60	—	40			
Cunningham (NM).....	—	—	—	—	—	—	—	—	1,958	240.5	2.42	—	—	100			
Harrington (TX).....	298	140.2	24.24	.35	—	—	—	—	3	276.0	2.76	100	—	*			
Jones (TX).....	—	—	—	—	—	—	—	—	1,462	240.4	2.40	—	—	100			
Maddox (NM).....	—	—	—	—	—	—	—	—	699	229.6	2.31	—	—	100			
Nichols (TX).....	—	—	—	—	—	—	—	—	1,779	243.5	2.39	—	—	100			
Plant X (TX).....	—	—	—	—	—	—	—	—	1,487	239.7	2.41	—	—	100			
Tolk (TX).....	349	219.0	38.23	.38	—	—	—	—	17	276.0	2.78	100	—	*			
Springfield City of.....	119	118.5	22.73	.53	—	—	—	—	66	229.2	2.31	97	—	3			
James River (MO).....	53	133.8	28.52	.76	—	—	—	—	62	229.2	2.31	95	—	5			
Southwest (MO).....	66	103.4	18.07	.34	—	—	—	—	5	229.2	2.31	100	—	*			
Springfield City of.....	68	118.4	24.73	3.06	—	—	—	—	—	—	—	100	—	—			
Dallman (IL).....	65	118.4	24.73	3.06	—	—	—	—	—	—	—	100	—	—			
Lakeside (IL).....	3	118.4	24.73	3.06	—	—	—	—	—	—	—	100	—	—			
St Joseph Light & Power Co.....	45	100.0	19.65	1.53	19	170.2	11.07	1.54	18	265.2	2.60	86	12	2			
Lakeroad (MO).....	45	100.0	19.65	1.53	19	170.2	11.07	1.54	18	265.2	2.60	86	12	2			
Sunflower Electric Coop Inc.....	94	117.0	19.87	.29	—	—	—	—	5	266.0	2.61	100	—	*			
Holcomb (KS).....	94	117.0	19.87	.29	—	—	—	—	5	266.0	2.61	100	—	*			
Tacoma Public Utilities.....	*	168.0	36.29	.73	*	391.0	22.66	.50	*	531.0	5.59	81	10	9			
Steam No.2 (WA).....	*	168.0	36.29	.73	*	391.0	22.66	.50	*	531.0	5.59	81	10	9			
Tallahassee City of.....	—	—	—	—	—	—	—	—	739	343.0	3.59	—	—	100			
Hopkins (FL).....	—	—	—	—	—	—	—	—	419	343.0	3.59	—	—	100			
Purdom (FL).....	—	—	—	—	—	—	—	—	320	343.0	3.59	—	—	100			
Tampa Electric Co.....	672	155.0	35.21	2.01	44	365.1	21.20	.02	—	—	—	98	2	—			
Big Bend (FL).....	—	—	—	—	4	342.9	19.91	.02	—	—	—	—	100	—			
Davant Transfer (LA).....	617	145.4	32.66	2.08	—	—	—	—	—	—	—	100	—	—			
Gannon (FL).....	56	248.7	63.44	1.27	6	350.7	20.37	.02	—	—	—	98	2	—			
Hookers Point (FL).....	—	—	—	—	*	350.7	20.37	.02	—	—	—	—	100	—			
Polk Station (FL).....	—	—	—	—	34	370.0	21.49	.02	—	—	—	—	100	—			
Taunton City of.....	—	—	—	—	—	—	—	—	*	295.4	3.03	—	—	100			
Cleary (MA).....	—	—	—	—	—	—	—	—	*	295.4	3.03	—	—	100			
Tennessee Valley Authority.....	2,876	111.8	25.78	1.97	15	335.0	19.68	.41	—	—	—	100	*	—			
Bull Run (TN).....	121	112.3	28.30	1.42	6	336.9	19.80	.50	—	—	—	99	1	—			
Cahokia (AL).....	54	115.5	26.62	.50	—	—	—	—	—	—	—	100	—	—			
Colbert (AL).....	167	111.7	27.27	1.65	—	—	—	—	—	—	—	100	—	—			
Cora Transfer (TN).....	214	109.6	23.08	.46	—	—	—	—	—	—	—	100	—	—			
Cumberland (TN).....	374	108.3	25.36	2.83	6	345.3	20.29	.27	—	—	—	100	*	—			
Gallatin (TN).....	—	—	—	—	2	302.5	17.77	.50	—	—	—	—	100	—			
GRT Terminal (TN).....	392	102.0	21.37	1.29	—	—	—	—	—	—	—	100	—	—			
Johnsonville (TN).....	205	115.3	27.96	1.77	—	—	—	—	—	—	—	100	—	—			
Kingston (TN).....	307	120.4	29.85	1.26	—	—	—	—	—	—	—	100	—	—			
Paradise (KY).....	410	93.7	19.66	4.31	—	—	—	—	—	—	—	100	—	—			

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Tennessee Valley Authority														
Sevier (TN).....	154	129.5	32.65	1.66	—	—	—	—	—	—	—	100	—	—
Shawnee (KY).....	270	122.8	28.57	.91	—	—	—	—	—	—	—	100	—	—
Widows Creek (AL).....	208	121.8	29.90	2.41	1	332.5	19.54	0.50	—	—	—	100	*	—
Terrabonne Parrish Con.....	—	—	—	—	—	—	—	—	89	244.2	2.61	—	—	100
Houma (LA).....	—	—	—	—	—	—	—	—	89	244.2	2.61	—	—	100
Texas Municipal Power Agency.....	111	119.5	20.05	.34	—	—	—	—	—	—	—	100	—	—
Gibbons Creek (TX).....	111	119.5	20.05	.34	—	—	—	—	—	—	—	100	—	—
Texas Utilities Electric Co.....	2,772	102.4	13.67	.98	30	450.7	26.12	—	24,379	263.9	2.68	60	*	40
Big Brown (TX).....	445	104.9	13.95	.80	—	—	—	—	34	263.9	2.73	99	—	1
Collin (TX).....	—	—	—	—	—	—	—	—	54	263.9	2.60	—	—	100
Decordova (TX).....	—	—	—	—	—	—	—	—	2,719	263.9	2.65	—	—	100
Eagle Mountain (TX).....	—	—	—	—	—	—	—	—	560	263.9	2.68	—	—	100
Graham (TX).....	—	—	—	—	—	—	—	—	1,364	263.9	2.67	—	—	100
Handley (TX).....	—	—	—	—	—	—	—	—	2,857	263.9	2.67	—	—	100
Lake Creek (TX).....	—	—	—	—	—	—	—	—	642	263.9	2.70	—	—	100
Lake Hubbard (TX).....	—	—	—	—	—	—	—	—	2,152	263.9	2.73	—	—	100
Martin Lake (TX).....	1,226	75.0	10.21	1.30	1	469.0	27.18	—	—	—	—	100	*	—
Monticello (TX).....	766	149.0	19.15	.48	4	331.9	19.24	—	—	—	—	100	*	—
Morgan Creek (TX).....	—	—	—	—	—	—	—	—	1,093	263.9	2.66	—	—	100
Mountain Creek (TX).....	—	—	—	—	—	—	—	—	1,951	263.9	2.67	—	—	100
North Lake (TX).....	—	—	—	—	—	—	—	—	533	263.9	2.64	—	—	100
Parkdale (TX).....	—	—	—	—	—	—	—	—	185	263.9	2.63	—	—	100
Permian Basin (TX).....	—	—	—	—	—	—	—	—	2,472	263.9	2.70	—	—	100
Sandow No 4 (TX).....	335	98.9	13.48	1.20	—	—	—	—	—	—	—	100	—	—
Stryker (TX).....	—	—	—	—	—	—	—	—	186	263.9	2.90	—	—	100
Tradinghouse (TX).....	—	—	—	—	—	—	—	—	4,663	263.9	2.69	—	—	100
Trinidad (TX).....	—	—	—	—	—	—	—	—	5	263.9	1.67	—	—	100
Valley (TX).....	—	—	—	—	25	469.0	27.18	—	2,910	263.9	2.67	—	5	95
Texas-New Mexico Power Co.....	175	141.7	19.15	.77	—	—	—	—	23	260.9	2.64	99	—	1
TNP One (Tx).....	175	141.7	19.15	.77	—	—	—	—	23	260.9	2.64	99	—	1
Toledo Edison Co.....	122	129.9	22.58	.31	1	349.0	20.23	.39	—	—	—	100	*	—
Bay Shore (OH).....	122	129.9	22.58	.31	1	349.0	20.23	.39	—	—	—	100	*	—
Tri State Gen & Trans Assn, Inc.....	422	108.5	22.06	.42	—	—	—	—	2	381.8	4.10	100	—	*
Craig (CO).....	393	110.2	22.25	.39	—	—	—	—	2	381.8	4.10	100	—	*
Nucla (CO).....	29	87.2	19.35	.83	—	—	—	—	—	—	—	100	—	—
Tucson Electric Power Co.....	239	161.3	30.37	.73	1	416.0	24.51	.05	50	255.1	2.59	99	*	1
Irrington (AZ).....	10	289.2	55.25	.45	—	—	—	—	50	255.1	2.59	80	—	20
Springerville (AZ).....	228	155.4	29.23	.74	1	416.0	24.51	.05	—	—	—	100	*	—
Union Electric Co.....	1,291	96.3	17.17	.34	3	335.2	19.29	.29	99	283.7	2.90	99	*	*
Labadie (MO).....	640	92.2	16.18	.24	1	345.0	19.85	.29	—	—	—	100	*	—
Meramec (MO).....	104	123.0	25.69	.74	—	—	—	—	73	274.2	2.80	97	—	3
Rush Island (MO).....	410	89.8	15.27	.31	—	—	—	—	—	—	—	100	—	—
Sioux (MO).....	137	109.0	21.02	.62	2	330.3	19.01	.29	—	—	—	100	*	—
Venice No.2 (IL).....	—	—	—	—	—	—	—	—	25	311.2	3.18	—	—	100
United Illuminating Co.....	55	183.9	48.34	.50	159	224.8	14.19	.98	—	—	—	59	41	—
Bridgeport Harbor (CT).....	55	183.9	48.34	.50	78	233.5	14.70	.99	—	—	—	75	25	—
New Haven Hbr (CT).....	—	—	—	—	80	216.4	13.70	.98	—	—	—	—	100	—
United Power Assn.....	99	71.4	9.55	.79	—	—	—	—	—	—	—	100	—	—
Stanton (ND).....	99	71.4	9.55	.79	—	—	—	—	—	—	—	100	—	—
UtiliCorp United Inc.....	151	91.1	17.59	.39	—	—	—	—	—	—	—	100	—	—
Sibley (MO).....	151	91.1	17.59	.39	—	—	—	—	—	—	—	100	—	—

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, April 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu					
	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)			(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl			(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf				
Vero Beach City of.....	—	—	—	—	—	—	—	—	34	250.0	2.63	—	—	100			
Vero Beach (FL).....	—	—	—	—	—	—	—	—	34	250.0	2.63	—	—	100			
Virginia Electric & Power Co.....	1,274	129.0	32.00	1.26	124	233.8	14.31	0.98	577	423.6	4.46	96	2	2			
Bremo Bluff (VA).....	52	144.4	34.95	.74	1	405.6	23.85	.20	—	—	—	99	1	—			
Chesapeake Energy (VA).....	165	142.0	36.28	.94	—	—	—	—	—	—	—	100	—	—			
Chesterfield (VA).....	305	138.6	35.35	1.01	30	325.2	19.12	.20	542	437.3	4.59	91	2	7			
Clover (VA).....	162	126.3	31.55	1.11	—	—	—	—	—	—	—	100	—	—			
Mount Storm (WV).....	482	113.8	27.55	1.69	5	390.3	22.95	.20	—	—	—	100	*	—			
Possum Point (VA).....	70	143.8	34.44	.87	—	—	—	—	—	—	—	100	—	—			
Storage Facility #1.....	—	—	—	—	88	194.3	12.08	1.30	—	—	—	—	100	—			
Yorktown (VA).....	39	145.7	36.28	1.44	—	—	—	—	36	227.4	2.54	96	—	4			
West Penn Power Co.....	376	132.9	33.81	2.02	*	365.6	21.65	.30	9	397.8	3.98	100	*	*			
Armstrong (PA).....	82	108.2	26.97	1.83	*	351.6	20.82	.30	—	—	—	100	*	—			
Hatfield (PA).....	269	139.6	35.86	1.96	*	344.4	20.40	.30	—	—	—	100	*	—			
Mitchell (PA).....	25	140.6	34.25	3.27	*	466.3	27.61	.30	9	397.8	3.98	99	*	1			
West Texas Utilities Co.....	165	142.8	24.18	.44	—	—	—	—	3,186	243.2	2.46	47	—	53			
Fort Phantom (TX).....	—	—	—	—	—	—	—	—	1,195	253.0	2.57	—	—	100			
Oak Creek (TX).....	—	—	—	—	—	—	—	—	486	233.2	2.44	—	—	100			
Oklaunion (TX).....	165	142.8	24.18	.44	—	—	—	—	—	—	—	100	—	—			
Paint Creek (TX).....	—	—	—	—	—	—	—	—	145	280.1	2.87	—	—	100			
Rio Pecos (TX).....	—	—	—	—	—	—	—	—	536	230.2	2.33	—	—	100			
San Angelo (TX).....	—	—	—	—	—	—	—	—	823	236.5	2.31	—	—	100			
Western Farmers Elec Coop Inc.....	183	101.8	17.74	.36	—	—	—	—	1,202	247.4	2.53	72	—	28			
Anadarko (OK).....	—	—	—	—	—	—	—	—	1,028	247.4	2.53	—	—	100			
Hugo (OK).....	183	101.8	17.74	.36	—	—	—	—	—	—	—	100	—	—			
Mooreland (OK).....	—	—	—	—	—	—	—	—	174	247.4	2.53	—	—	100			
Western Massachusetts Elec Co.....	—	—	—	—	20	283.6	17.90	.65	4	300.0	3.08	—	97	3			
West Springfield (MA).....	—	—	—	—	20	283.6	17.90	.65	4	300.0	3.08	—	97	3			
WestPlains Energy.....	—	—	—	—	—	—	—	—	575	230.7	2.32	—	—	100			
Cimarron River (KS).....	—	—	—	—	—	—	—	—	236	239.0	2.37	—	—	100			
Mullergren (KS).....	—	—	—	—	—	—	—	—	339	225.1	2.28	—	—	100			
Wisconsin Electric Power Co.....	892	114.5	23.19	.67	—	—	—	—	83	299.6	3.03	100	—	*			
Oak Creek (WI).....	176	131.1	29.33	.86	—	—	—	—	59	293.7	2.97	99	—	1			
Pleasant Prairie (WI).....	436	74.5	12.60	.32	—	—	—	—	19	308.2	3.13	100	—	*			
Port Washington (WI).....	33	139.4	36.94	1.42	—	—	—	—	1	374.9	3.82	100	—	*			
Presque Isle (MI).....	132	148.6	32.06	.56	—	—	—	—	—	—	—	100	—	—			
Valley (WI).....	116	150.9	39.72	1.62	—	—	—	—	3	328.8	3.33	100	—	*			
Wisconsin Power & Light Co.....	645	109.4	18.92	.37	3	368.2	21.65	—	—	—	—	100	*	—			
Columbia (WI).....	352	97.1	16.46	.37	1	351.8	20.69	—	—	—	—	100	*	—			
Edgewater (WI).....	210	124.4	21.38	.35	1	351.8	20.69	—	—	—	—	100	*	—			
Nelson Dewey (WI).....	49	121.8	23.27	.45	*	388.1	22.82	—	—	—	—	100	*	—			
Rock River (WI).....	33	121.4	22.95	.35	*	471.0	27.69	—	—	—	—	100	*	—			
Wisconsin Public Service Corp.....	274	103.6	18.37	.21	—	—	—	—	26	258.9	2.62	99	—	1			
Pulliam (WI).....	117	98.7	17.53	.17	—	—	—	—	15	259.0	2.62	99	—	1			
Weston (WI).....	157	107.2	19.00	.24	—	—	—	—	11	258.8	2.62	100	—	*			
Wyandotte Municipal Serv Comm.....	24	142.1	35.48	1.09	—	—	—	—	—	—	—	100	—	—			
Wyandotte (MI).....	24	142.1	35.48	1.09	—	—	—	—	—	—	—	100	—	—			
U.S. Total.....	74,733	126.4	25.99	1.08	12,289	225.0	14.32	1.17	186,127	259.8	2.63	85	4	10			

¹ The April 1998 petroleum coke receipts were 300,964 short tons and the cost was 66.8 cents per million Btu.

² Monetary values are expressed in nominal terms.

³ 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.

* Less than 0.05.

Notes: •Data for 1998 are preliminary. •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Mcf=thousand cubic feet and bbl=barrel.

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



Appendix A

General Information

Articles

Feature articles on electric power energy-related subjects are frequently included in this publication. The following articles and special focus items have appeared in previous issues.

June 1990	Petroleum Fuel-Switching Capability in the Electric Utility Industry
April 1991	U.S. Wholesale Electricity Transactions
April 1992	Electric Utility Demand-Side Management
April 1992	Nonutility Power Producers
August 1992	Performance Optimization and Repowering of Generating Units
February 1993	Improvement in Nuclear Power Plant Capacity Factors
October 1993	Municipal Solid Waste in the U.S. Energy Supply
November 1993	Electric Utility Demand-Side Management and Regulatory Effects
November 1994	The Impact of Flow Control and Tax Reform on Ownership and Growth in the U.S. Waste-to-Energy Industry
July 1995	Nonutility Electric Generation: Industrial Power Production
August 1995	Steam Generator Degradation and Its Impact on Continued Operation of Pressurized Water Reactors in the United States
September 1995	New Sources of Nuclear Fuel
November 1995	Relicensing and Environmental Issues Affecting Hydropower
May 1996	U.S. Electric Utility Demand-Side Management: Trends and Analysis
June 1996	Upgrading Transmission Capacity for Wholesale Electric Power Trade
May 1998	Reducing Nitrogen Oxide Emissions: 1996 Compliance with Title IV Limits

For additional information or questions regarding availability of article reprints, please contact the National Energy Information Center at (202)586-8800 or by FAX at (202)586-0727.

Electric Power Monthly Data Guide

Data Item	Tables
New and Retired Electric Generating Units	1
Nonutility Electricity Sales for Resale	2
Nonutility Net Generation	3
Electric Utility Net Generation:	
Coal-Fired	2, 4, 8, and 56
Petroleum-Fired	2, 4, 9, and 56
Natural Gas-Fired	2, 4, 10, and 56
Hydroelectric-Powered	2, 5, 11, and 56
Nuclear-Powered	2, 4, 12, and 56
Other Sources	2, 5, 13, and 56
All Sources	2, 3, 6, and 7
Consumption of Fuels at Electric Utility Plants:	
Coal	2, 14, 15, 18, and 56
Petroleum	2, 14, 16, 19, and 56
Natural Gas	2, 14, 17, 20, and 56
Stocks of Fuels at Electric Utility Plants:	
Coal	2, 21, 22, 24, and 56
Petroleum	2, 21, 23, 25, and 56
Electric Utility Retail Sales:	
Residential Sector	2, 44, 45, and 47
Commercial Sector	2, 44, 45, and 47
Industrial Sector	2, 44, 45, and 47
Other Sector	2, 44, 45, and 47
Total Sector	2, 44, 45, and 47
Electric Utility Revenue:	
Residential Sector	2, 48, 49, and 51
Commercial Sector	2, 48, 49, and 51
Industrial Sector	2, 48, 49, and 51
Other Sector	2, 48, 49, and 51
Total Sector	2, 48, 49, and 51
Electric Utility Average Revenue:	2, 52, 53, and 55
Residential Sector	2, 52, 53, and 55
Commercial Sector	2, 52, 53, and 55
Industrial Sector	2, 52, 53, and 55
Other Sector	2, 52, 53, and 55
Total Sector	2, 52, 53, and 55
Electric Utility Receipts of Fuel:	
Coal	2, 26, 27, 33, 34, 35, 36, and 57
Petroleum	2, 26, 29, 37, 38, 39, 40, and 57
Natural Gas	2, 26, 31, 41, 42, 43, and 57
Electric Utility Fuel Costs:	
Coal	2, 26, 28, 34, 35, 36, and 57
Petroleum	2, 26, 30, 38, 39, 40, and 57
Natural Gas	2, 26, 32, 42, 43, and 57

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Appendix B

Technical Notes

Data Sources

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 seven data sources. Those forms are: the Form EIA-759, "Monthly Power Plant Report," the Form EIA-900, "Monthly Nonutility Sales for Resale 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," the Form EIA-860, "Annual Electric Generator Report," and the Form EIA-867, "Annual Nonutility Power Producer Report."

Form EIA-759

The Form EIA-759 is a cutoff model sample of approximately 360 electric utilities drawn from the frame of all operators of electric utility plants (approximately 700 electric utilities) that generate electric power for public use. Data will be collected on an annual basis from the remaining operators of electric utility plants. The new monthly data collection is from all utilities with at least one plant with a nameplate capacity of 25 megawatts or more. (Note: includes all nuclear units). However, the few utilities that generate electricity using renewable fuel sources other than hydroelectric are all included in the sample. 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 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 aggregate data estimates 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 FPC Form 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. As of the January 1996 reporting period, the Form EIA-759 was changed to collect data from a cutoff model sample of plants with a nameplate capacity of 25 megawatts or more.

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 utilities 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 230 electric utilities for each electric generating plant with a total steam-electric and combined-cycle 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 FPC Form 423. Originally, the form was used to collect data only on fossil-steam plants, but was

amended in 1974 to include data on internal combustion and combustion 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 were revised to reflect the new generator nameplate capacity threshold of 50 or more megawatts reported on the FERC Form 423. In January 1991, the collection of data on the FERC Form 423 was extended to include combined-cycle units. Historical data have not been revised to include these units. Starting with the January 1993 data, the FERC began to collect the data directly from the respondents.

Data Processing. The FERC processes the data through edits and each month provides the EIA with a diskette containing the data. The EIA reviews the data for accuracy. Beginning with May 1994 data, an additional quality check began in which coal data are compared with data prepared by Resource Data International, Inc., of Boulder, Colorado. 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 or in publications.

Form EIA-826

The Form EIA-826 is a monthly collection of data from approximately 260 of the largest primarily investor-owned and publicly owned electric utilities. A model is then applied to estimate for the entire universe of U.S. electric utilities. 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. In 1993, EIA for the first time used a model sample for the Form EIA-826. A stratified-random sample, employing auxil-

iary data, was used for each of the 4 previous years. (See previous issues of this publication, and (Knaub, 12) for details.) 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 1993 data.

Frame. The frame for the Form EIA-826 was originally based on the 1989 submission of the Form EIA-861 (Section 1.4), which consisted of approximately 3,250 electric utilities selling retail and/or sales for resale. Note that for the Form EIA-826, the EIA is only interested in retail sales. Updates have been made to the frame to reflect mergers that affect data processing. Some electric utilities serve in more than one State. Thus, 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 approach allows for an explicit calculation of estimates for sales, revenue, and revenue per kilowatthour by end-use sector (residential, commercial, industrial and other) at State, Census division, and the U.S. level. Regressor data came from the Form EIA-861. (Note that estimates at the "State level" are for sales for the entire State, and similarly for "Census division" and "U.S." 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 as a model sample. These electric utilities constitute about 8 percent of the population of U.S. electric utilities, but provide three-quarters of the total U.S. retail electricity sales. The procedures used to derive electricity sales, revenue, revenue per kilowatthour, and associated coefficient of variation (CV) estimates are provided in the Form EIA-826 subsection of the Formulas Data Section. See (Knaub, 12) for a study of CV estimates for this survey.

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, in model sampling, is an implicit part of the estimation. That is, data that are not available, either because it was not part of the sample or because the data are missing, are estimated using a model. 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 (EPA, AER) on a cost-recovery basis.

Form EIA-900

The Form EIA-900, "Monthly Nonutility Sales for Resale Report," is a cutoff model sample drawn from the frame for the Form EIA-867, "Annual Nonutility Power Producer Report." Members of the Form EIA-867 frame with nameplate capacity greater than or equal to 50 megawatts constitute the sample for the Form EIA-900. Unlike the Form EIA-867 which gathers data on a number of topics, however, the Form EIA-900 currently is used to collect data on only one element, sales by nonutilities for resale through the power grid.

Instrument and Design History. The Form EIA-900 was implemented to collect monthly data, starting with January 1996. The reason for its inception was to fill, in part, a "data gap" that existed on a monthly basis when comparing utility sales to end users (from the Form EIA-826) with utility generation (from the Form EIA-759). This data gap occurred because utility sales data include electricity purchased from nonutilities and because of other factors such as transmission losses and imports/exports. In light of sampling and nonsampling error, a more complete description of events may be gleaned by including results based on the Form EIA-900.

Data Processing. The Form EIA-900 is mailed to all operating Form EIA-867 respondent facilities with more than 50 megawatts of total operating capacity. In 1996, there were approximately 380 respondents for the Form EIA-900. Data submission is allowed by Internet e-mail, postal mail, telephone or facsimile (FAX) transmission. In the near future, the EIA plans to allow touchtone data entry. At first submission, the number for the one datum element collected is compared to a previously submitted number, through the use of an interactive edit. Later, batch edits are applied. One edit is used to compare total sales, generation, line losses and imports/exports to determine if the results are reasonable. Another edit is applied on an individual, annual basis, to compare 12 month totals for the Form EIA-900 submissions to the corresponding Form EIA-867 submissions.

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 and Revenue*; the *Electric Power Annual*; the *Financial Statistics of Selected Publicly Owned Electric Utilities*; the *Financial Statistics of Selected Investor-Owned Electric Utilities*; the AER; 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 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 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 the EPA, and as input to publications (AER) 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 November or December to collect data as of January 1 of the reporting year, where the reporting year is the calendar year in which the report was filed. Effective with the 1996 reporting year, respondents have the option of filing Form EIA-860 directly with the EIA or through an agent, such as the respondent's regional electric reliability council. Data reported through the regional electric reliability councils are submitted to the EIA electronically from the North American Electric Reliability Council (NERC). 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 EIA-867

The Form EIA-867 is a mandatory survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. In 1992, the reporting threshold of the Form EIA-867 was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts. Planned generators are defined as a proposal by a company to install electric generating equipment at an existing or planned facility. The proposal is based on the owner having obtained (1) all environmental and regulatory approvals, (2) a contract for the electric energy, or (3) financial closure

on the facility. The Form consists of Schedules I, "Identification and Certification"; Schedule II, "Facility Information"; Schedule III, "Standard Industrial Classification Code Designation"; Schedule IVA, "Facility Fuel Information"; Schedule IVB, "Facility Thermal and Generation Information"; Schedule V, "Facility Environmental Information"; and Schedule VI, "Electric Generator Information."

Submission of the Form EIA-867 is required from all facilities that have a combined facility nameplate capacity of 1 megawatt or more. Schedule V, "Facility Environmental Information" is only required of those facilities of 25 megawatts or more.

The form is used to collect data on the installed capacity, energy consumption, generation, and electric energy sales to electric utilities and other nonutilities by facility. Additionally, the form is used to collect data on the quality of fuels burned and the types of environmental equipment used by the respondent. These data are aggregated to provide geographic totals for selected States and at the Census division and national levels. Since the Form EIA-867 data are considered confidential, suppression of some data is necessary to protect the confidentiality of the individual respondent data. See "Confidentiality of the Data" in this section for further information.

Instrument and Design History. The Form EIA-867 was implemented in December 1989 to collect data as of year-end 1989. The Federal Energy Administration Act of 1984 (Public Law 93-275) defines the legislative authority to collect these data.

Data Processing. The Form EIA-867 is mailed to the respondents in January to collect data as of the end of the preceding calendar year. Static data for each respondent are preprinted from the previous year, and the respondents are instructed to verify all preprinted information and to supply the missing data. The completed forms are to be returned to the EIA by April 30. The response rate for all facilities for which addresses were confirmed was 100 percent. The data are manually edited before being keyed for automatic data processing. Computer programs containing additional edit checks are run. Respondents are telephoned to obtain corrections or clarifications of reported data and to obtain missing data as a result of the manual and automated editing.

Formulas/Methodologies

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-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 regressor data.

The sample consists of approximately 260 electric utilities. This includes a somewhat larger number of State-service areas for electric utilities. Estimation procedures include imputation to account for non-response. Nonsampling error must also be considered. The nonsampling error is not estimated directly, although attempts are made to minimize it.

State-level sales and revenue estimates are calculated. Also, a 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 U.S. level estimates.

The coefficient of variation (CV) statistic, usually given as a percent, describes the magnitude of sampling error that might reasonably be incurred. The CV, sometimes referred to as the relative standard error, is the square root of the estimated variance, divided by 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).

The sampling error may be less than the nonsampling error. Nonsampling errors may be attributed to many sources, including the response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding data obtained, and other errors of collection, response, or coverage. These nonsampling errors also occur in complete censuses. In a complete census, this problem may become unmanageable. One indicator of the magnitude of possible nonsampling error may be gleaned by examining the history of revisions to data for a survey (Table B2).

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). In fact, large CV estimates found in preliminary work with these data have often indicated nonsampling errors, which were then identified and corrected. 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.

The basic approach used is shown in (Royall, 6) with additional discussion of variance estimation in (Royall and Cumberland, 7), (Royall and Cumberland, 8), and (Knaub, 5). From (Royall, 6), for sales or revenue for any sector at the State level, if we let x represent an observation from the Form EIA-861, y represents an observation from the Form EIA-826, and $\hat{y}$ represents an estimated value for data not collected, then

$$y_i = bx_i + x_i^\gamma e_{oi},$$

$$\hat{y}_i = \hat{b}x_i,$$

$$\hat{b}(\gamma) = \left[\sum_{k=1}^n x_k^{1-2\gamma} y_k \right] / \left[\sum_{k=1}^n x_k^{2-2\gamma} \right]$$

Here, n is the Form EIA-826 sample size for that State, and b is the factor ('slope') relating x to y in the linear regression. γ is taken to be $\frac{1}{2}$ (see (Knaub, 5)), although more research (Knaub, 9) could refine this. For the Form EIA-826, $\gamma = \frac{1}{2}$ has certainly been shown to be adequate (see (Knaub, 5), page 878, Table 1). The variance formula for V_d found in (Royall and Cumberland, 7 and 8) performs well for sales and for revenue. For revenue per kilowatthour, the model covariance comes from notes provided by Professor Poduri S.R.S. Rao (Rao, 10) of the University of Rochester and the Energy Information Administration. Aggregate level CV estimates for revenue per kilowatthour are calculated as supported by (Hansen,

Hurwitz and Madow, 11). Details are published in (Knaub, 12).

Additional information or clarification can be addressed to the Energy Information Administration as indicated in the "Contacts" section of this publication.

Form EIA-900

The Form EIA-900 data are collected at the facility level, which is roughly the nonutility equivalent of plant level. Like the Form EIA-826, cutoff model sampling and estimation are employed, however, the estimation formula are modified by use of a second regressor. It was found that more variability occurred under the single regressor model than was generally found in the case of the Form EIA-826, but that through the use of nameplate capacity as a second regressor, results were greatly improved. Increasing variance as regressor values increase (heteroscedasticity), a phenomenon which caused us to use a value for gamma greater than zero in the case of the Form EIA-826, is at least as important a consideration here, and further study to increase efficiency may be performed. A paper, "Weighted Multiple Regression Estimation for Survey Model Sampling," has been accepted for publication in the Internet statistics journal, InterStat at <http://interstat.stat.vt.edu/intersta.htm>. This paper explains a great deal of the background and methodology involved in providing a satisfactory estimator in this case. It appears at the Web site given above, under May 1996 (Knaub, 13).

Form EIA-759

Data for the Form EIA-759 are collected at the plant level. Estimates are then provided for geographic levels. 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.

Like the Form EIA-900, cutoff model sampling and estimation are employed, using the same multiple regression model. Once again, as described under the corresponding subsection on the Form EIA-900, details of the estimation of totals and variances of totals are published on the Internet in a paper entitled "Weighted Multiple Regression Estimation for Survey Model Sampling (Knaub, 13)."

At the fuel and State level (i.e., lowest aggregate level), there are a number of cases where the minimal sample size of three is not met, when using a 25 MW cutoff. Imputation of historic values for the smallest plants is used to supplement actual values for the largest ones. However, at the NERC level, this is not necessary. Data element totals for each NERC region, by fuel type, are estimated using model sampling. These samples are composed solely of data reported for the plants actually in the sample. The national level estimate from this is then considered our best estimate, and all other estimates are apportioned accordingly.

As a final adjustment based on our most complete data, use is made of final Form EIA-759 annual census, when available. The annual census for Form EIA-759 data by State and energy source are compared to the corresponding monthly Form EIA-759 values. The ratio of these two values in each case is then used to adjust each corresponding monthly value.

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:

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

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-861

Data for the Form EIA-861 are collected at the utility level from all electric utilities in the United States, its territories, and Puerto Rico. Form EIA-861 data in this publication are for the United States only. These data are then aggregated to provide geographic totals at the State, NERC region, Census division, and national level. Sources and disposition of data are also provided by utility class of ownership and retail consumer class of service. Average revenue (nominal dollars) per kilowatt-hour of electricity sold is calculated by dividing total annual retail revenue (nominal dollars) by the total annual retail sales of electricity.

Average revenue per kilowatt-hour is defined as the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average revenue per kilowatt-hour is calculated for all consumers and for each sector (residential, commercial, industrial, and other sales).

Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate

schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric utility for providing electrical service. The average revenue per kilowatt-hour reported in this publication by sector represents a weighted average of consumer revenue and sales within that sector and across sectors for all consumers.

The electric revenue used to derive the average revenue per kilowatt-hour is the operating revenue reported by the electric utility. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges.

Electric utility operating revenues cover, among other costs of service, State and Federal income taxes and taxes other than income taxes paid by the utility. The Federal component of these taxes are, for the most part, "payroll" taxes. State and local authorities tax the value of plant (property taxes), the amount of revenues (gross receipts taxes), purchases of materials and services (sales and use taxes), and a potentially long list of other items that vary extensively by taxing authority. Taxes deducted from employees' pay (such as Federal income taxes and employees' share of social security taxes) are not a part of the utility's "tax costs," but are paid to the taxing authorities in the name of the employees. These taxes are included in the utility's cost of service (for example, revenue requirements) and are included in the amounts recovered from consumers in rates and reported in operating revenues.

Electric utilities, like many other business enterprises, are required by various taxing authorities to collect and remit taxes assessed on their consumers. In this regard, the electric utility serves as an agent for the taxing authority. Taxes assessed on the consumer, such as a gross receipts tax or sales tax, are called "pass through" taxes. These taxes do not represent a cost to the utility and are not recorded in the operating revenues of the utility. However, taxing authorities differ as to whether a specific tax is assessed on the utility or the consumer—which, in turn, determines whether or not the tax is included in the operating revenue of the electric utility.

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 used to estimate values for existing units where data are missing and for projected units. It was found that a zero-intercept linear regression works very well for estimating capability based on nameplate capacity. The only parameter then is the slope ($\hat{b}$) that is used to relate capacity to capability as follows: $\hat{y} = \hat{b}x$, where $\hat{y}$ is the estimated capability, and x is the known nameplate capacity. There will be a different value for $\hat{b}$ for different prime movers and for summer and winter capabilities and it will also depend upon the age of the generator. For more details see the *Inventory of Power Plants*.

Form EIA-867

Gross electricity generation data from the Form EIA-867, reported by generator, are aggregated to provide totals by energy source and geographic area. Nonutility power producers report gross electricity generated on the Form EIA-867, unlike electric utilities that report net generation on various EIA and FERC forms. Nonutilities generally do not measure and record electrical consumption used solely for the production of electricity. Nonutility generators and associated auxiliary equipment are often an integral part of a manufacturing or other industrial process and individual watthour meters are not generally installed on auxiliary equipment.

Estimated values for net generation from nonutility power producers were developed by EIA using gross generation, prime mover, fuels, and type of air pollution control data reported on the Form EIA-867. The difference between gross and net generation is the electricity consumed by auxiliary equipment and environmental control devices such as pumps, fans, coal pulverizers, particulate collectors, and flue gas desulfurization (FGD) units. The difference between gross and net generation is sometimes called parasitic load. In smaller power plants rotating auxiliaries are almost always electric motors. In large power plants that produce steam, rotating auxiliaries can be powered by either steam turbines or electric motors and sometimes both because of cold startup requirements.

This methodology for estimating net generation from gross generation is based on determining typical energy consumption for auxiliary electrical equipment associated with electrical generators. For instance, wind turbines have none of the auxiliaries common to a coal-burning power plant such as a coal pulverizers, fans, and emission controls. On the other hand,

windfarms do consume electricity since automatic, computer-based control systems are used to control blade pitch and speed thereby affecting generator electricity output.

Shown below are the conversion factors used to estimate net generation by nonutility generators. The factors are typical of a modern electric power plant but could vary significantly between individual plants. Net generation is calculated by multiplying the appropriate conversion factor by the reported gross electrical generation.

Prime Mover Type	Gross-to-Net Generation Conversion Factor
Gas (Combustion) Turbine	.98
Steam Turbine	.97 ^a
Internal Combustion	.98
Wind Turbine	.99
Solar-Photovoltaic	.99
Hydraulic Turbine	.99
Fuel Cell	.99
Other	.97

^aFactor reduced by .01 if the facility has flue gas particulate collectors and another .03 if the facility has flue gas desulfurization (FGD) equipment. Facilities under 25 megawatts and burning coal in traditional boilers (e.g., not fluidized bed boilers) are assumed to have particulate and FGD equipment.

These conversion factors were estimated by the staff of the Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration. The primary reference used in developing the conversion factors was *Steam, Its Generation and Use*, 40th Edition, Babcock & Wilcox, Barberton, Ohio.

Average Heat Content

Heat content values (Table B1) 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 generally represent generating plants with a combined capacity of 25 or more megawatts. The results, therefore, may not be completely representative.

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. 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 2 in Appendix A.

Data Precision

Monthly sample survey data have both sampling and nonsampling errors. Sampling errors may be expected since all data are not collected and, therefore, must be mathematically estimated. (Note that the annual series for a monthly sample is not subject to sampling error because it is a census). Nonsampling errors are the result of incorrect allocation of data (for example, transcriptions or misclassifications) and can be difficult to control and estimate. A study of coefficients of variance and data revisions was conducted so that the appropriate levels of precision, based on the accuracy and completeness of the data from which the estimates

are derived, is provided in this report for average revenue per kilowatthour of electricity sold. It was judged that three significant digits are justified for average revenue per kilowatthour of electricity sold at the U.S. level except for monthly data prior to 1990 where two significant digits are more appropriate.

Data Imputation

It may become necessary (as in March and April 1996 FERC Form 423 data) to impute for some data, even if a 100-percent census is normally collected without incident. In such cases, a modeling approach, similar to what is done for the Form EIA-826, can be implemented. The estimation methodologies for model sampling and model imputation are identical.

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

In general, the data collected on the forms used for input to this report are not confidential. However, data from the Form EIA-900, "Monthly Sales for Resale," and from the Form EIA-867, "Annual Nonutility Power Producers," are considered confidential and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

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 Office of Coal, Nuclear, Electric and Alternate Fuels has adopted the following policy with respect to the revision and correction of recurrent data in energy publications:

1. Annual survey data collected by this office are published either as preliminary or final when first appearing in a data report. Data initially released as preliminary will be so noted in the report. These data will be revised, if necessary, and declared final in the next publication of the data.
2. All monthly and quarterly survey data collected by this office are published as preliminary. These data are revised only after the completion of the 12-month cycle of the data. No revisions are made to the published data before this.
3. The magnitudes of changes due to revisions experienced in the past will be included in the data reports, so that the reader can assess the accuracy of the data.
4. After data are published as final, corrections will be made only in the event of a greater than one percent difference at the national level. Corrections for differences that are less than the before-mentioned threshold are left to the discretion of the Office Director. Note that in this discussion, changes or revisions are referred to as "errors."

In accordance with policy statement number 3, the mean value (unweighted average) for the absolute values of the 12 monthly revisions of each item are provided at the U.S. level for the past 4 years (Table B2). For example, the mean of the 12 monthly absolute errors

(absolute differences between preliminary and final monthly data) for coal-fired generation in 1995 was 49. That is, on average, the absolute value of the change made each month to coal-fired generation was 49 million kilowatthours.

The U.S. total net summer capability, updated monthly in the EPM (Table 1), is based solely on new electric generating units and retirements which come to the attention of the EIA during the year through telephone calls with electric utilities and on the Form EIA-759, "Monthly Power Plant Report," and may not include all activity for the month. Data on net summer capability, including new electric generating units, are collected annually on the Form EIA-860, "Annual Electric Generator Report." Preliminary data for net summer capability are published in the *Electric Power Annual* (EPA). Final data are published in the *Inventory of Power Plants*. With respect to net summer capability published in the EPM, the EIA examines the accuracy of that data by comparing the annual total value with the final annual total value published in the IPP.

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.

Table B1. Average Heat Content of Fossil-Fuel Receipts, April 1998

Census Division and State	Coal ¹ (Btu per ton)	Petroleum ¹ (Btu per barrel)	Gas ¹ (Btu per thousand cubic feet)
New England	25,460,616	6,378,805	1,029,243
Connecticut.....	26,287,090	6,371,628	1,029,448
Maine.....	—	5,831,028	—
Massachusetts.....	25,214,616	6,380,841	1,032,562
New Hampshire.....	26,436,226	6,405,101	—
Rhode Island.....	—	—	1,026,000
Vermont.....	—	—	1,013,000
Middle Atlantic	24,872,708	6,393,626	1,028,268
New Jersey.....	26,523,858	6,354,756	1,035,037
New York.....	26,147,380	6,403,097	1,027,475
Pennsylvania.....	24,554,332	6,308,758	1,030,680
East North Central	21,051,919	6,218,779	848,162
Illinois.....	19,323,822	6,370,718	1,017,294
Indiana.....	20,890,028	5,787,921	1,021,403
Michigan.....	20,762,250	6,188,599	^a 549,635
Ohio.....	23,786,316	5,784,557	1,022,373
Wisconsin.....	18,671,262	5,880,000	1,009,533
West North Central	16,838,778	6,028,975	1,003,962
Iowa.....	17,227,944	5,793,458	1,003,542
Kansas.....	17,492,246	5,805,072	1,005,185
Minnesota.....	17,674,622	5,770,679	1,019,351
Missouri.....	17,887,718	6,271,682	1,009,136
Nebraska.....	17,124,244	5,776,713	984,980
North Dakota.....	13,107,780	5,865,582	—
South Dakota.....	17,346,000	—	—
South Atlantic	24,575,328	6,382,248	1,048,604
Delaware.....	25,578,326	6,358,589	955,908
District of Columbia.....	—	—	—
Florida.....	24,198,091	6,400,935	1,052,103
Georgia.....	23,770,844	5,816,687	1,023,539
Maryland.....	25,795,964	6,390,270	1,044,000
North Carolina.....	24,642,868	5,810,123	1,039,000
South Carolina.....	25,731,018	5,791,548	1,024,000
Virginia.....	25,153,687	6,121,277	1,053,226
West Virginia.....	24,526,307	5,846,540	—
East South Central	23,028,263	6,543,023	1,032,927
Alabama.....	23,250,342	5,817,095	1,039,531
Kentucky.....	23,005,890	5,869,328	1,024,193
Mississippi.....	21,247,166	6,620,764	1,032,809
Tennessee.....	23,196,928	5,875,800	—
West South Central	15,726,521	5,826,088	1,021,093
Arkansas.....	17,315,848	5,902,494	1,025,297
Louisiana.....	16,104,425	5,878,780	1,036,578
Oklahoma.....	17,314,180	—	1,026,596
Texas.....	15,027,425	5,796,000	1,017,528
Mountain	19,416,240	5,839,346	1,015,372
Arizona.....	20,059,746	5,800,045	1,006,217
Colorado.....	19,685,958	—	992,349
Idaho.....	—	—	—
Montana.....	16,891,321	5,922,000	1,027,599
Nevada.....	22,408,962	5,828,908	1,023,101
New Mexico.....	18,558,016	5,712,000	1,011,267
Utah.....	22,901,556	5,880,000	—
Wyoming.....	17,559,868	5,880,000	1,044,000
Pacific Contiguous	16,935,431	5,875,772	1,015,257
California.....	—	—	1,015,785
Oregon.....	17,422,888	—	1,011,000
Washington.....	16,780,100	5,875,772	1,052,000
Pacific Noncontiguous	—	6,226,587	1,000,277
Alaska.....	—	—	1,000,277
Hawaii.....	—	6,226,587	—
U.S. Average	20,552,663	6,363,471	1,013,923

¹ Data represents weighted values.

^a Consists mostly of blast furnace gas which has a heat content of 81,000 Btu per thousand cubic feet.

Note: Data for 1998 are preliminary.

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

**Table B2. Comparison of Preliminary Versus Final Published Data at the U.S.
Level, 1993 Through 1997**

Item	Mean Absolute Value of Change				
	1993	1994	1995	1996	1997
Nonutility					
Sales for Resale (million kilowatthours).....	NA	NA	NA	546	NA
Utility					
Generation (million kilowatthours)					
Coal.....	28	34	49	162	201
Petroleum.....	3	25	6	64	53
Gas.....	18	29	38	84	168
Hydroelectric.....	10	6	6	298	325
Nuclear.....	0	96	0	4	65
Other ¹	0	1	0	0	0
Total.....	26	113	11	462	285
Consumption					
Coal (thousand short tons).....	53	10	27	105	169
Petroleum (thousand barrels).....	10	13	1	94	43
Gas (million cubic feet).....	327	470	300	899	1,243
Stocks²					
Coal (thousand short tons).....	209	124	310	233	501
Petroleum (thousand barrels).....	203	81	239	201	130
Retail Sales (million kilowatthours)					
Residential.....	31	115	79	345	NA
Commercial.....	59	397	780	476	NA
Industrial.....	175	806	141	1,129	NA
Other ³	96	24	167	267	NA
Total.....	219	602	694	1,153	NA
Revenue (million dollars)					
Residential.....	3	14	17	2	NA
Commercial.....	3	31	51	29	NA
Industrial.....	7	51	23	46	NA
Other ³	5	4	5	1	NA
Total.....	11	49	22	46	NA
Average Revenue per Kilowatthour (cents)⁴					
Residential.....	.03	.01	.01	.03	NA
Commercial.....	.03	.01	.01	.01	NA
Industrial.....	.03	.02	.03	.01	NA
Other ³	.05	.04	.20	.22	NA
Total.....	.03	.01	.01	.01	NA
Receipts					
Coal (thousand short tons).....	20	27	34	61	NA
Petroleum (thousand barrels).....	15	28	2	77	NA
Gas (million cubic feet).....	315	211	227	566	NA
Cost (cents per million Btu)⁴					
Coal.....	.14	.08	.10	.06	NA
Petroleum.....	*	.01	.01	.01	NA
Gas.....	.06	.04	.15	.87	NA

¹ Includes geothermal, wood, waste, wind, and solar.

² Stocks are end of month values.

³ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

⁴ Data represents weighted values.

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

NA = Not available.

Notes: •Change refers to the difference between estimates or preliminary monthly data published in the *Electric Power Monthly* (EPM) and the final monthly data published in the EPM. •Mean absolute value of change is the unweighted average of the absolute changes.

Sources: •Energy Information Administration: Form EIA-900, "Nonutility Sales for Resale Report"; Form EIA-759, "Monthly Power Plant Report"; Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions"; and Form EIA-861, "Annual Electric Utility Report."

Table B3. 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.

**Table B4. Comparison of Sample Versus Census Published Data at the U.S. Level,
1996 and 1997**

Item	1996			1997		
	Sample	Census	Difference (Percent)	Sample	Census	Difference (Percent)
Nonutility						
Sales for Resale (million kilowatthours)	219,549	224,675	*	222,367	NA	NA
Utility						
Generation (million kilowatthours)						
Coal	1,735,943	1,737,453	0.1	1,788,733	1,790,138	0.1
Petroleum	66,261	65,695	-.9	75,570	74,372	-1.6
Gas	263,262	262,730	-.2	283,603	283,674	*
Other ¹	1,012,475	1,011,564	-.1	977,618	976,720	-.1
Total	3,077,940	3,077,442	*	3,125,524	3,124,904	*
Consumption						
Coal (1,000 short tons)	873,681	874,681	.1	898,460	901,662	.4
Petroleum (1,000 barrels)	114,788	113,274	-1.3	128,254	125,148	-2.5
Gas (1,000 Mcf)	2,736,552	2,732,107	-.2	2,962,375	2,968,984	.2
Stocks²						
Coal (1,000 short tons)	114,623	114,623	*	98,261	98,826	.6
Petroleum (1,000 barrels)	47,507	47,690	.4	48,570	48,793	.5
Retail Sales (million kilowatthours)						
Residential	1,078,355	1,082,491	.4	1,071,569	NA	NA
Commercial	888,066	887,425	-.1	913,283	NA	NA
Industrial	1,016,807	1,030,356	1.3	1,032,538	NA	NA
Other ³	100,741	97,539	-3.3	97,504	NA	NA
All Sectors	3,083,970	3,097,810	.40	3,114,894	NA	NA
Revenue (million dollars)						
Residential	90,510	90,501	*	90,659	NA	NA
Commercial	67,822	67,827	*	69,768	NA	NA
Industrial	46,833	47,385	1.2	47,126	NA	NA
Other ³	6,735	6,741	.1	6,727	NA	NA
All Sectors	211,900	212,455	.30	214,280	NA	NA
Average Revenue per Kilowatthour (cents)⁴						
Residential	8.39	8.36	-.4	8.46	NA	NA
Commercial	7.64	7.64	.1	7.64	NA	NA
Industrial	4.61	4.60	-.2	4.56	NA	NA
Other ³	6.69	6.91	3.3	6.90	NA	NA
All Sectors	6.87	6.86	-20	6.88	NA	NA

¹ Includes geothermal, wood, waste, wind, and solar.

² Stocks are end-of-month values.

³ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

⁴ Data represent weighted values.

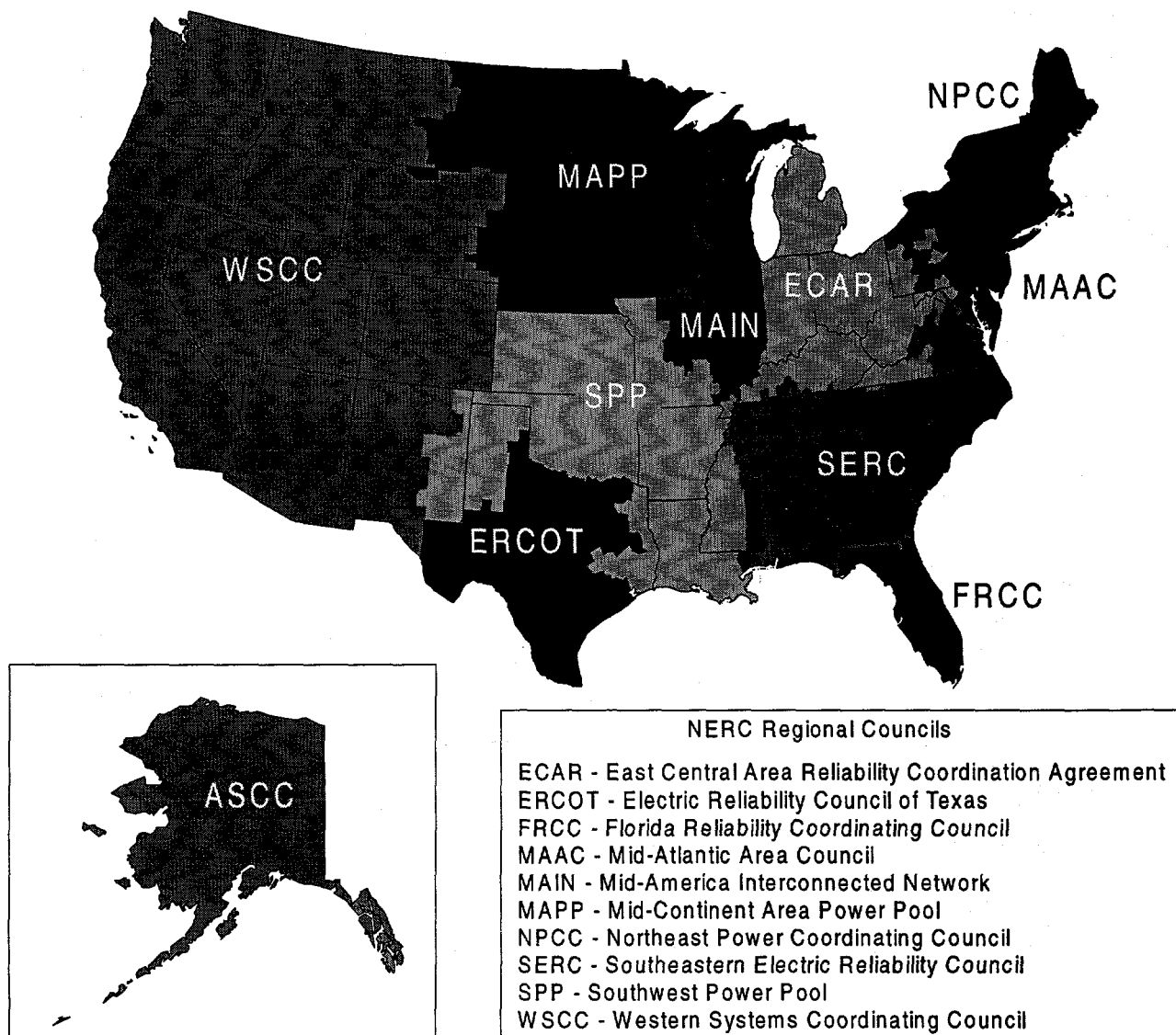
* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NA = Not available.

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

Sources: Energy Information Administration, Form EIA-900, "Nonutility Sales for Resale Report;" Form EIA-867, "Annual Nonutility Power Producer Report;" Form EIA-759, "Monthly Power Plant Report;" Form EIA-861, "Annual Electric Utility Report;" Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Figure B1. North American Electric Reliability Council Regions for the Contiguous United States and Alaska



Note: The Alaska Systems Coordinating Council (ASCC) is an affiliate NERC member.

Source: Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels.

**Table B5. Estimated Coefficients of Variation for Electric Utility Net Generation by State,
May 1998
(Percent)**

State	Coal	Petroleum	Gas	Hydroelectric	Nuclear	Other ¹
Alabama.....	0.0	0.0	0.0	0.0	0.0	—
Alaska.....	.0	15.3	.2	8.1	—	—
Arizona.....	.0	.0	.0	.0	.0	—
Arkansas.....	.0	.1	.2	.0	.0	—
California.....	—	.0	.0	.1	.0	0.0
Colorado.....	.1	4.4	.4	.2	—	.0
Connecticut.....	.0	.2	.0	.6	.0	.0
Delaware.....	.0	.0	.0	—	—	—
District of Columbia.....	—	.0	—	—	—	—
Florida.....	.0	.0	.0	.0	.0	—
Georgia.....	.0	.0	1.5	.2	.0	—
Hawaii.....	—	.0	—	.0	—	—
Idaho.....	—	.0	—	.4	—	—
Illinois.....	.0	1.2	.1	.0	.0	.0
Indiana.....	.2	.0	3.5	.0	—	—
Iowa.....	.0	11.8	1.2	.3	.0	.0
Kansas.....	.0	4.3	2.8	—	.0	—
Kentucky.....	.0	.0	.0	1.6	—	—
Louisiana.....	.0	.1	.0	—	.0	—
Maine.....	—	.0	—	.4	.0	.0
Maryland.....	.0	.0	.0	.0	.0	—
Massachusetts.....	.0	.0	.3	.0	.0	—
Michigan.....	.0	.3	.6	24.4	.0	—
Minnesota.....	.0	.3	1.7	4.8	.0	.0
Mississippi.....	.0	.0	.0	—	.0	—
Missouri.....	.0	1.0	.5	.0	.0	.0
Montana.....	.0	.0	.0	.0	—	—
Nebraska.....	.0	6.5	1.8	.0	.0	.0
Nevada.....	.0	.0	.0	.0	—	—
New Hampshire.....	.0	.0	.0	.0	.0	—
New Jersey.....	.0	.0	.0	.0	.0	—
New Mexico.....	.5	.0	.0	.0	—	—
New York.....	.0	.2	.1	.0	.0	.0
North Carolina.....	.0	.0	.0	.1	.0	—
North Dakota.....	.0	.0	.0	.0	—	—
Ohio.....	.0	.1	.2	.0	.0	—
Oklahoma.....	.0	2.1	.1	.0	—	—
Oregon.....	.0	.0	.0	.0	—	.0
Pennsylvania.....	.0	.0	.0	.3	.0	—
Rhode Island.....	.0	.0	.0	—	—	—
South Carolina.....	.0	.0	.0	.3	.0	—
South Dakota.....	.0	.0	.0	.0	—	—
Tennessee.....	.0	.0	.0	.0	.0	—
Texas.....	.0	.1	.0	1.0	.0	.0
Utah.....	.0	1.2	143.6	1.3	—	.0
Vermont.....	—	36.1	.0	5.8	.0	.0
Virginia.....	.0	.0	.0	.5	.0	.0
Washington.....	.0	.0	.0	.0	.0	.0
West Virginia.....	.0	.0	.0	.0	—	—
Wisconsin.....	.0	.4	.4	1.7	.0	.0
Wyoming.....	.0	.0	.0	.1	—	—

¹ Includes geothermal, wood, wind, waste, and solar.

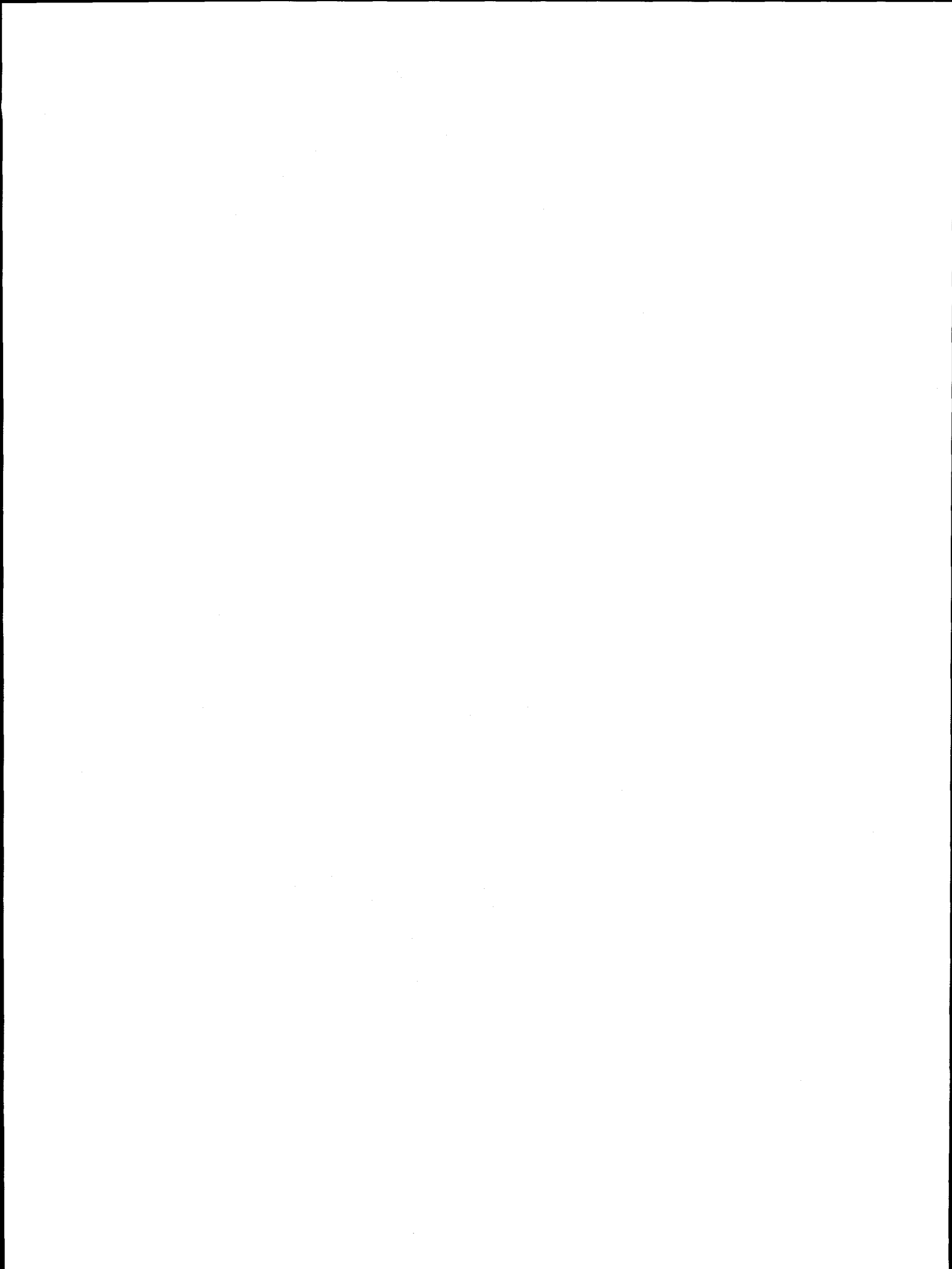
Notes: *For an explanation of coefficients of variation, see the technical notes. *Estimates for 1998 are preliminary.

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

Table B6. Estimated Coefficients of Variation for Electric Utility Fuel Consumption and Stocks by State, May 1998
(Percent)

State	Consumption			Stocks	
	Coal	Petroleum	Gas	Coal	Petroleum
Alabama.....	0.0	0.0	0.0	0.0	0.0
Alaska.....	.0	19.9	.4	.0	19.8
Arizona.....	.0	.0	.0	.0	.0
Arkansas.....	.0	.1	.5	.0	.0
California.....	—	.0	.0	—	.0
Colorado.....	.1	.3	.5	.1	.2
Connecticut.....	.0	.2	.0	.0	.2
Delaware.....	.0	.0	.0	.0	.0
District of Columbia.....	—	.0	—	—	.0
Florida.....	.0	.0	.0	.0	.0
Georgia.....	.0	.0	1.4	.0	.0
Hawaii.....	—	.0	—	—	.0
Idaho.....	—	.0	—	—	.0
Illinois.....	.0	2.1	.1	.0	.2
Indiana.....	.2	.1	3.4	.2	.1
Iowa.....	.0	7.4	1.5	.0	1.5
Kansas.....	.0	5.6	2.7	.0	.7
Kentucky.....	.0	.0	.0	.0	.0
Louisiana.....	.0	.1	.0	.0	.0
Maine.....	—	.0	—	—	.1
Maryland.....	.0	.0	.0	.0	.0
Massachusetts.....	.0	.0	.4	.0	.0
Michigan.....	.0	.3	.4	.0	.1
Minnesota.....	.0	.9	1.5	.0	.6
Mississippi.....	.0	.0	.0	.0	.0
Missouri.....	.0	.9	.6	.0	.4
Montana.....	.0	.0	.0	.0	.0
Nebraska.....	.0	7.6	1.9	.0	2.6
Nevada.....	.0	.0	.0	.0	.0
New Hampshire.....	.0	.0	.0	.0	.0
New Jersey.....	.0	.0	.0	.0	.0
New Mexico.....	.4	.0	.0	.3	.0
New York.....	.0	.2	.1	.0	.1
North Carolina.....	.0	.0	.0	.0	.0
North Dakota.....	.0	.0	.0	.0	.0
Ohio.....	.0	.1	.2	.0	.0
Oklahoma.....	.0	2.2	.1	.0	.1
Oregon.....	.0	.0	.0	.0	.0
Pennsylvania.....	.0	.0	.0	.0	.0
Rhode Island.....	.0	.0	.0	.0	.0
South Carolina.....	.0	.0	.0	.0	.0
South Dakota.....	.0	.0	.0	.0	.0
Tennessee.....	.0	.0	.0	.0	.0
Texas.....	.0	.1	.0	.0	.0
Utah.....	.0	2.5	84.8	.0	1.2
Vermont.....	—	43.8	.0	—	43.3
Virginia.....	.0	.0	.0	.0	.0
Washington.....	.0	.0	.0	.0	.0
West Virginia.....	.0	.0	.0	.0	.0
Wisconsin.....	.0	.4	.4	.0	.5
Wyoming.....	.0	.0	.0	.0	.0

Notes: *For an explanation of coefficients of variation, see the technical notes. *Estimates for 1998 are preliminary.
Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."



Glossary

Ampere: The unit of measurement of electrical current produced in a circuit by 1 volt acting through a resistance of 1 ohm.

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

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

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.

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 rate.

Baseload Capacity: The generating equipment normally operated to serve loads on an around-the-clock basis.

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.

Bcf: The abbreviation for 1 billion cubic feet.

Bituminous Coal: The most common coal. It is dense and black (often with well-defined bands of bright and

dull material). Its moisture content usually is less than 20 percent. It is used for generating electricity, making coke, and space heating. Comprises five groups classified according to the following ASTM Specification D388-84, on a dry mineral-matter-free (mmf) basis for fixed-carbon and volatile matter and a moist mmf basis for calorific value.

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

LV = Low-volatile bituminous coal

MV = Medium-volatile bituminous coal

HVA = High-volatile A bituminous coal

HVB = High-volatile B bituminous coal

HVC = High-volatile C bituminous coal

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

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

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

Census Divisions: The nine geographic divisions of the United States established by the Bureau of the Census, U.S. Department of Commerce, for the purpose of statistical analysis. The boundaries of Census divisions coincide with State boundaries. 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.

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.

Coincidental Demand: The sum of two or more demands that occur in the same time interval.

Coincidental Peak Load: The sum of two or more peak loads that occur in the same time interval.

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

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

Commercial Operation: Commercial operation begins when control of the loading of the generator 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, start-up and/or flame stabilization.

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.

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.

Current (Electric): A flow of electrons in an electrical conductor. The strength or rate of movement of the electricity is measured in amperes.

Demand (Electric): 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 measured (usually in 15-, 30-, or 60-minute increments.)

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

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

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

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

Energy Deliveries: Energy generated by one electric utility system and delivered to another system through one or more transmission lines.

Energy Receipts: Energy generated by one electric utility system and received by another system through one or more transmission lines.

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.

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

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

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

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

Fuel Emergencies: An emergency that exists when supplies of fuels or hydroelectric storage for generation are at a level or estimated to be at a level that would threaten the reliability or adequacy of bulk electric

power supply. The following factors should be taken into account to determine that a fuel emergency exists: (1) Fuel stock or hydroelectric 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 hydroelectric project water storage level are estimated; or (2) Unscheduled dispatch or emergency generation is 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 bulk electric power supply.

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

Generation (Electricity): The process of producing electric energy by transforming other forms of energy; also, the amount of electric energy produced, expressed in watthours (Wh).

Gross Generation: The total amount of electric energy produced by the generating units at a generating station or stations, measured at the generator terminals.

Net Generation: Gross generation less the electric energy consumed at the generating station for station use.

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 electric power production equipment under specific conditions as designated by the manufacturer. Installed generator nameplate rating is usually indicated on a nameplate physically attached to the generator.

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.

Gigawatthour (GWh): One billion watthours.

Gross Generation: The total amount of electric energy produced by a generating facility, as measured at the generator terminals.

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.

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.

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.

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

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

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

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

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

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

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.

Megawatthour (MWh): One million watthours.

MMcf: One million cubic feet.

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

Net 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 minus plant use from all electric utility owned plants. The energy required for pumping at a pumped-storage plant is regarded as plant use and must be deducted from the gross generation.

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

Noncoincidental 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. The NERC Regions are:

ASCC - Alaskan System Coordination Council
ECAR - East Central Area Reliability Coordination Agreement
ERCOT - Electric Reliability Council of Texas
FRCC - Florida Reliability Coordinating Council
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 facility in which heat produced in a reactor by the fissioning of nuclear fuel is used to drive a steam turbine.

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

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.

Operable Nuclear Unit: A nuclear unit is "operable" after it completes low-power testing and is granted authorization to operate at full power. This occurs 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.

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.

Peak Demand: 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 reserved for operation 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 an around-the-clock basis.

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

the previous value; then this new number is multiplied by 100.

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

Petroleum Coke: See Coke (Petroleum).

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

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

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

Power: The rate at which energy is transferred. Electrical energy is usually measured in watts. Also used for a measurement of capacity.

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

Prime Mover: The motive force that drives an electric generator (e.g., steam engine, turbine, or water wheel).

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 (QF): This is a cogenerator or small power producer that meets certain ownership, operating and efficiency criteria established by the Federal Energy Regulatory Commission (FERC) pursuant to the PURPA, and has filed with the FERC for QF status or has self-certified. For additional information, see the Code of Federal Regulation, Title 18, Part 292.

Railroad and Railway Electric Service: Electricity supplied to railroads and interurban and street railways, for general railroad use, including the propulsion of cars or locomotives, where such electricity is supplied under separate and distinct rate schedules.

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 as a percentage of total capability.

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.

Retail: Sales covering electrical energy supplied for residential, commercial, and industrial end-use purposes. Other small classes, such as agriculture and street lighting, also are included in this category.

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.

Sales: The amount of kilowatthours sold in a given period of time; usually grouped by classes of service, such as residential, commercial, industrial, and other. Other sales include public street and highway lighting,

other sales to public authorities and railways, and interdepartmental sales.

Sales for Resale: Energy supplied to other electric utilities, cooperatives, municipalities, and Federal and State electric agencies for resale to ultimate consumers.

Scheduled Outage: The shutdown of a generating unit, transmission line, or other facility, for inspection or maintenance, in accordance with an advance 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. Spot purchases are often made by a user to fulfill a certain portion of energy requirements, to meet unanticipated energy needs, or to take advantage of low-fuel prices.

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.

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

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: 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.

Sulfur: One of the elements present in varying quantities in coal which contributes to environmental degradation when coal is burned. In terms of sulfur content by weight, coal is generally classified as low (less than or

equal to 1 percent), medium (greater than 1 percent and less than or equal to 3 percent), and high (greater than 3 percent). Sulfur content is measured as a percent by weight of coal on an "as received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

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.

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.

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.

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.

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

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 Service: The movement of electricity from one system to another over transmission facilities of inter-vening 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.