

Electric Power Monthly December 1998

With Data for September 1998

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

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To EIA's Customers

To ensure that this report meets the highest standards for quality and customer satisfaction, we encourage our readers to contact Kenneth McClevey on (202) 426-1144(Internet:KENNETH.MCCLEVEY@EIA.DOE.GOV) with comments or suggestions to further improve the report.

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."

Office of Coal, Nuclear, Electric and Alternate Fuels
Electric Power Industry Related Data: Available in Electronic Form
(as of December 1998)

	Internet			CD-ROM	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	
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	
Electric Power Annual Volume II	X		X	X	
Inventory of Power Plants in the United States	X			X	
Electric Sales and Revenue	X		X	X	
Financial Statistics of Major U.S. Investor Owned Electric Utilities	X			X	
Financial Statistics of Major U.S. Publicly Owned Electric Utilities	X			X	

Note: If you have any questions and/or need additional information, please contact the National Energy Information Center at (202) 586-8800.

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Monthly Update

Utility Generation and Retail Sales–September 1998

Generation. Total U.S. net generation of electricity was 279 billion kilowatthours, 5 percent above the amount reported in September 1997. The energy source with the largest quantitative increase in generation compared with September of last year was nuclear. Generation from nuclear-powered plants during the month was 9 percent or 5 billion kilowatthours above the level reported a year ago.

Sales. Total sales of electricity to ultimate consumers in the United States during September 1998 were 294 billion kilowatthours, 18 billion kilowatthours (7 percent) higher than the level reported at this time in 1997. Compared with September 1997, retail sales of electricity in all the major end-use sectors increased. The residential sector had sales of 107 billion kilowatthours, 13 percent higher than September 1997. Commercial and industrial sectors sales followed at 6 percent and 1 percent, respectively.

Nonutility Sales for Resale–September 1998

Total estimated sales of electricity for resale by non-utility power producers in the United States were 20 billion kilowatthours in September 1998. This reflected a level of sales for resale that was 9 percent above the level reported in September 1997, as well as an 8-percent decrease from August 1998.

Utility Fuel Receipts, Costs, and Quality–August 1998

Coal. August 1998 receipts of coal at electric utilities totaled a record 82 million short tons, up 6 million short tons from receipts reported in August 1997 and 3 million short tons above the previous record set in July 1998. Affecting the use of coal during the month were much warmer-than-normal temperatures that resulted in a near record coal-fired generation of 173 billion kilowatthours and coal consumption of 87 million short tons. Population weighted cooling degree-days were 12 percent above normal for the month. (Cooling degree days are relative measures of outdoor air temperatures used as indices of cooling energy requirements).

Year-to-date receipts of coal totaled 614 million short tons, up 35 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 \$1.28 per million Btu reported in 1997. This decrease does not necessarily infer a reduction in the cost of coal 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 20 million barrels, up 10 million barrels from August 1997. This increase in deliveries of petroleum was due in-part to an increase in demand for petroleum-fired generation and to a substantial decrease in the cost of petroleum over the past several months. In August 1997, electric utilities were paying an average of \$2.68 per million Btu for heavy oil. In August 1998, the average cost had decreased to \$2.07 per million Btu, making the fuel attractive for baseload generation. As a result, petroleum-fired generation during August 1998 was up 70 percent from the level of a year ago. Year-to-date receipts of petroleum at electric utilities were 111 million barrels in 1998 as compared to 73 million barrels received in 1997.

Gas. Receipts of gas in August 1998 totaled 390 billion cubic feet (Bcf), up from the 360 Bcf reported in August 1997. The average cost of gas delivered to electric utilities was \$2.19 per million Btu, compared to \$2.52 per million Btu reported in August 1997. Receipts of gas to the West South Central Census division were 225 Bcf, up from 196 Bcf reported in August 1997. This increase was due in-part to much warmer-than-normal temperatures experienced by the region in 1998. Receipts of gas to California fell by 14 Bcf, due in-part to the nonreporting status of several plants owned by Southern California Edison Company (SCE) and Pacific Gas & Electric Company (PG&E). During the first 8 months of 1998, several SCE and PG&E plants were sold and are now operating as nonutility power plants. Therefore, they are no longer required to report fuels receipts on FERC Form 423. The same is also true in Massachusetts where the Boston Edison Company sold its fossil-fueled generating plants to Sithe Energy Company. Nationwide, year-to-date receipts of gas

totaled 2,018 Bcf as compared to 1,876 Bcf received in 1997. Though the sale of plants to the nonutility sector during 1998 has resulted in a year-to-date reduction of receipts of gas to both California and Massachusetts, an

increase in receipts of gas to Oklahoma and Texas have resulted in total year-to-date receipts of gas being higher than reported during the same period 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.

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.

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.

Heating Degree-Days by Census Division, September 1998

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> [*]	1997	1998	Normal to 1998	1997 to 1998
New England	140	181	138	-1.4	-23.8
Middle Atlantic	89	134	82	NM	NM
East North Central	102	138	72	-29.4	-47.8
West North Central	123	111	66	-46.3	-40.5
South Atlantic	19	30	14	NM	NM
East South Central	25	20	4	NM	NM
West South Central	5	2	0	NM	NM
Mountain	134	95	70	-47.8	-26.3
Pacific Contiguous	61	31	42	NM	NM
U.S. Average	69	78	50	NM	NM

^{*} "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, September 1998

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> [*]	1997	1998	Normal to 1998	1997 to 1998
New England	25	21	35	NM	NM
Middle Atlantic	68	45	95	NM	NM
East North Central	69	42	122	NM	NM
West North Central	94	87	177	NM	NM
South Atlantic	259	249	305	17.8	22.5
East South Central	218	205	324	48.6	58.0
West South Central	349	393	481	37.8	22.4
Mountain	153	177	183	19.6	3.4
Pacific Contiguous	122	168	146	19.7	-13.1
U.S. Average	154	156	208	35.1	33.3

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

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

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
Cascade City of	Cascade	IA	3A	1.9	Petroleum	IC
Florida Keys El Coop Assn	Marathon	FL	10	3.5	Petroleum	IC
Mountain Lake City of	Mountain Lake	MN	7	1.8	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
Nantucket Electric Co	Nantucket	MA	16,17	5.0	Petroleum	IC
March^R						
None	--	--	--	--	--	--
April^R						
Osage City of	Osage	IA	8	3.6	Petroleum	IC
Gulf Power Co	Pea Ridge	FL	1	14.3	Gas	GT
May						
Geneseo City of	Geneseo	IL	9	3.9	Petroleum	IC
June^R						
Montezuma City of	Montezuma	IA	8	1.8	Petroleum	IC
Alabama Electric Coop Inc.	McIntosh	AL	2	113.0	Gas	CT
Alabama Electric Coop Inc.	McIntosh	AL	3	114.0	Gas	GT
Tennessee Valley Authority	Meridian	MS	1,2,3,4,5	8.9	Petroleum	IC
July^R						
Public Service Co of Colorado	Fort St. Vrain	CO	CW1	100.0	Waste Heat	CW
August^R						
Nebraska City of	Nebraska City # 2	NE	11,12	9.2	Gas	IC
September						
None	--	--	--	--	--	--
Total Capability of Newly Added						
Units	--	--	--	386.6	--	--
Total Capability of Retired Units						
U.S. Total Capability	--	--	--	2,866.8	--	--
U.S. Total Capability						
				690,544.6	--	--

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: CT=Combined Cycle Combustion Turbine, CW=Combined Cycle Steam Turbine - Waste Heat Boiler only, GT=Combustion (gas) Turbine, IC=Internal Combustion.

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

Table 2. U.S. Electric Power Summary Statistics

Items	September 1998	August 1998	September 1997	Year to Date		
				1998	1997	Difference (percent)
Nonutility						
Sales for Resale (Million kWh) ¹	19,691	21,443	18,133	171,990	168,275	2.2
Coefficient of Variation (percent).....	1.1	1.1	.9	—	—	—
Electric Utility						
Net Generation (Million kWh)²						
Coal.....	155,616	172,548	151,427	1,373,198	1,328,875	3.3
Petroleum ³	10,555	13,106	7,688	86,681	56,626	53.1
Gas.....	35,828	42,878	32,281	249,446	224,464	11.1
Nuclear Power.....	57,206	60,369	52,586	496,404	475,017	4.5
Hydroelectric (Pumped Storage) ⁴	-272	-703	-371	-3,415	-2,521	35.5
Renewable						
Hydroelectric (Conventional).....	19,910	24,011	22,402	248,463	270,128	-8.0
Geothermal.....	474	483	482	3,736	4,001	-6.6
Biomass.....	170	176	153	1,481	1,455	1.8
Wind.....	*	*	*	2	5	-60.6
Photovoltaic.....	*	*	*	2	3	-29.5
All Energy Sources.....	279,486	312,868	266,649	2,455,997	2,358,053	4.2
Consumption²						
Coal (1,000 short tons).....	78,188	87,135	76,332	692,043	670,105	3.3
Petroleum (1,000 barrels) ⁵	17,340	22,094	12,058	141,653	91,417	55.0
Gas (1,000 Mcf).....	379,598	457,551	332,781	2,647,451	2,347,356	12.8
Stocks (end-of-month)²						
Coal (1,000 short tons).....	104,700	103,998	102,119	—	—	—
Petroleum (1,000 barrels) ⁶	46,047	47,720	43,896	—	—	—
Retail Sales (Million kWh)⁷						
Residential.....	106,515	120,061	94,422	874,364	812,748	7.6
Commercial.....	88,227	92,473	82,986	720,025	688,029	4.7
Industrial.....	90,213	94,031	89,714	792,338	775,137	2.2
Other ⁸	9,417	9,060	8,866	75,068	72,875	3.0
All Sectors.....	294,372	315,625	275,988	2,461,795	2,348,789	4.8
Revenue (Million Dollars)⁷						
Residential.....	8,995	10,294	8,289	72,702	69,158	5.1
Commercial.....	6,697	7,125	6,560	53,927	52,886	2.0
Industrial.....	4,184	4,511	4,275	35,925	35,515	1.2
Other ⁸	636	623	621	5,131	5,052	1.6
All Sectors.....	20,512	22,554	19,745	167,685	162,611	3.1
Average Revenue/kWh (Cents)⁷						
Residential.....	8.45	8.57	8.78	8.31	8.51	-2.4
Commercial.....	7.59	7.70	7.91	7.49	7.69	-2.6
Industrial.....	4.64	4.80	4.76	4.53	4.58	-1.1
Other ⁸	6.75	6.88	7.01	6.84	6.93	-1.3
All Sectors.....	6.97	7.15	7.15	6.81	6.92	-1.6

	August 1998 ⁹	July 1998 ⁹	August 1997 ⁹	Year to Date		
				1998 ⁹	1997 ⁹	Difference (percent)
Receipts						
Coal (1,000 short tons).....	82,140	79,591	76,352	614,080	579,167	6.0
Petroleum (1,000 barrels) ¹⁰	20,095	21,736	11,618	111,037	73,174	51.7
Gas (1,000 Mcf).....	390,296	389,582	360,018	2,018,443	1,876,441	7.6
Cost (cents/million Btu)¹¹						
Coal.....	125.8	125.5	125.2	126.0	127.9	-1.5
Petroleum ¹²	207.2	224.1	275.5	219.5	283.3	-22.5
Gas ¹³	219.3	249.3	252.2	245.0	261.7	-6.4

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 September 1998 was 2,674 million kilowatthours.
 - 5 The September 1998 petroleum coke consumption was 134,698 short tons.
 - 6 The September 1998 petroleum coke stocks were 562,267 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 August 1998 petroleum coke receipts were 355,822 short tons.
 - 11 Average cost of fuel delivered to electric generating plants; cost values are weighted values.
 - 12 August 1998 petroleum coke cost was 61.6 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

PPL Global to Acquire Montana Generating Assets

Montana Power Company (MPC) announced that it has reached a definitive agreement with PPL Global, a subsidiary of PPL Resources, Inc., for the sale of MPC's 1,556 megawatts of generating assets and associated high-voltage transmission lines for \$988 million. Included in the sale are MPC's 816-megawatt ownership in the Colstrip power plant, the 163-megawatt Corette power plant, and 11 of the company's 12 hydroelectric facilities representing 577 megawatts of generating capacity. Not included in the sale is the 3-megawatt Milton Dam near Missoula. According to MPC, the sale price represents 1.55 times the book value of the assets and \$600 per kilowatt for the power production capacity. Separately, PPL Global announced that they have signed definitive agreements with Puget Sound Energy and Portland General Electric Company for their 1,058-megawatt combined interest in the jointly-owned Colstrip plant. The purchase price for these two agreements totals \$598 million. In all, PPL Global will pay \$1.586 billion for 2,614 megawatts of generating capacity in Montana. The price that MPC receives for its portion of the assets is contingent upon PPL Global closing the sales with each of the Colstrip owners. The Washington Water Power Company and PacifiCorp will retain their 402-megawatt interest in Units 3 and 4 of the Colstrip plant. Colstrip is the second largest coal-fired generating plant west of the Mississippi River.

The sale by MPC was initiated in December 1997 when the company announced that it would exit the electric generating business and redeploy the proceeds of any sale of generating assets to other businesses. According to MPC, shareholders and customers will benefit from the sale because it will eliminate "a \$160 million item to cover four years of transition expenses anticipated in the company's 1997 transition filing before the Montana Public Service Commission (PSC) related to customer choice."¹ Nearly \$650 million will be redeployed into MPC's telecommunications subsidiary, its transmission and distribution business, and other existing businesses. Also, MPC stated that a further benefit to customers will be the expected decision by the PSC to "apply amounts

above the book value...to reduce \$156 million of regulatory assets created by the PSC, which are presently being recovered in rates." MPC believes that additional proceeds above book value could be used to offset above market long-term contracts that the company has signed to purchase electricity from independent power producers. Regulatory approvals are expected to be obtained by the end of 1999.²

Sithe Energies to Purchase GPU Generating Assets

GPU, Incorporated (GPU) announced that it has signed an agreement to sell its remaining fossil-fueled and hydroelectric generating assets to Sithe Energies (Sithe). Sithe, a joint-ownership New York based company consisting of the French trading company Vivendi (60 percent interest), the Japanese trading company Marubeni Corporation (29 percent interest), and management ownership (11 percent), will acquire 23 power plants with a total generating capacity of 4,117 megawatts, 18 generation development properties, three support service organizations, and a Johnstown, Pennsylvania office building for \$1.68 billion. In a related announcement, GPU stated that it will sell its 20-percent interest in the Seneca pumped-storage hydroelectric generating plant to FirstEnergy Corporation for \$43 million. FirstEnergy currently owns the other 80 percent of the facility. With these sales, GPU will complete the sale of its nonnuclear generating assets. Previously, GPU had announced the sale of its 50-percent interest in the 1,884-megawatt Homer City power plant for \$900 million. The combined sale price of all nonnuclear GPU generating assets is \$2.62 billion. According to GPU, this equates to 2.5 times the book value and approximately \$510 per kilowatt, and is expected to be used "to fund future stranded costs and pay down acquisition debt."

Included in the agreement with Sithe, GPU operating subsidiary, GPU Energy, will have an option to purchase capacity at fixed prices through the year 2002 to satisfy its customers demand. GPU intends to rely on existing power purchase agreements, nonutility generation contracts, and purchases from the Pennsylvania-New

¹ Montana Power Company, extracted from the Internet at <http://www.mtpower.com>, on November 16, 1998.

² PPL Resources Incorporated, extracted from the Internet at <http://www.pplresources.com>, on November 16, 1998.

Jersey-Maryland power pool to satisfy customer demand. The Oyster Creek nuclear facility was slated for sale but GPU was not able to attract a buyer for the plant. GPU Nuclear, which recently sold its Three Mile Island Unit 1 for \$100 million, is said to be considering shutting down Oyster Creek in the year 2000.³

Southern Energy to Purchase Orange and Rockland's Generating Units

Orange and Rockland Utilities, Incorporated (Orange and Rockland) announced that it has reached an agreement to sell its generating facilities to Southern Energy, Incorporated (Southern Energy) for \$480 million. The sale includes the Bowline Point generating facility, of which Consolidated Edison Company of New York (Con Edison) has a 67-percent ownership interest and Orange and Rockland has a 33-percent interest. Orange and Rockland will receive \$345 million from the sale while

Con Edison will receive \$135 million for its interest in the Bowline plant. According to Orange and Rockland, book value for its portion of the generating assets was listed at \$330 million. In terms of generating capacity, the total capacity included in the sale is 1,776 megawatts, with Orange and Rockland's portion being 962 megawatts. Other plants included in the sale are Lovett, Hillburn, Shoemaker, and several hydroelectric facilities. Southern Energy, a subsidiary of the Southern Company, has stated its intention to spend \$390 million to upgrade the plants and to build up to 710 megawatts of new natural gas-fired generating capacity.

Orange and Rockland and Con Edison, which are currently in the process of merging, are selling their nonnuclear generating assets in accordance with the divestiture plans submitted to the State of New York in anticipation of electric deregulation in the State. Sale of the generating facilities is expected to be completed by May 1999.⁴

³ GPU, Incorporated, extracted from the Internet at <http://www2.gpu.com> on November 30, 1998.

⁴ Orange and Rockland Utilities, extracted from the Internet at <http://www.oru.com> on November 30, 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.	Ellwood	CA	57	April 1998	Houston Industries
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
Pacific Gas & Electric Co.	Morro Bay	CA	1,056	July 1998	Duke Energy
Pacific Gas & Electric Co.	Moss Landing	CA	1,624	July 1998	Duke Energy
Pacific Gas & Electric Co.	Oakland	CA	201	July 1998	Duke Energy
Southern California Edison Co.	Ormond Beach	CA	1,613	July 1998	Houston Industries
Big Rivers Electric Corp.	Coleman	KY	521	August 1998	LG&E Energy ^b
Big Rivers Electric Corp.	Green	KY	527	August 1998	LG&E Energy ^b
Big Rivers Electric Corp.	Reid	KY	535	August 1998	LG&E Energy ^b
Big Rivers Electric Corp.	Wilson	KY	510	August 1998	LG&E Energy ^b
New England Power Company	Comerford	NH	140	September 1998	U.S. Generating Co.
New England Power Company	Mcindoes	NH	11	September 1998	U.S. Generating Co.
New England Power Company	S.C. Moore	NH	140	September 1998	U.S. Generating Co.
New England Power Company	Wilder	NH	37	September 1998	U.S. Generating Co.
New England Power Company	Bellows FLS	VT	41	September 1998	U.S. Generating Co.
New England Power Company	Harriman	VT	34	September 1998	U.S. Generating Co.
New England Power Company	Searsburg	VT	4	September 1998	U.S. Generating Co.
New England Power Company	Vernon	VT	24	September 1998	U.S. Generating Co.
New England Power Company	Deerfield	MA	32	September 1998	U.S. Generating Co.
New England Power Company	Sherman	MA	7	September 1998	U.S. Generating Co.
New England Power Company	Brayton Pt	MA	1,600	September 1998	U.S. Generating Co.
New England Power Company	Salem Harbor	MA	805	September 1998	U.S. Generating Co.
New England Power Company	Fife Brook	MA	11	September 1998	U.S. Generating Co.
New England Power Company	Bear Swamp	MA	600	September 1998	U.S. Generating Co.
New England Power Company	Manchester St	RI	489	September 1998	U.S. Generating Co.
Fitchburg Gas & Electric Lt.	Fitchburg	MA	28	September 1998	Fleet Leasing ^c

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

^bPlants leased to LG&E energy for 25 years.

^cUnit returned to lessor.

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 September 1998
(Million Kilowatthours)

Period	Electric Utilities								Nonutility Power Producers	Total Electric Power Industry
	Coal	Petroleum ¹	Gas ²	Nuclear	Hydro-electric	Geo-thermal	Other ³	Total		
1990	1,559,606	117,017	264,089	576,862	279,926	8,581	2,070	2,808,151	213,046	3,021,197
1991	1,551,167	111,463	264,172	612,565	275,519	8,087	2,050	2,825,023	243,503	3,068,526
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
June.....	157,503	12,149	35,082	55,732	30,248	354	130	291,198	NA	NA
July.....	173,093	13,617	42,120	61,499	26,734	448	173	317,684	NA	NA
August.....	172,548	13,106	42,878	60,369	23,308	483	177	312,868	NA	NA
September.....	155,616	10,555	35,828	57,206	19,638	474	171	279,486	NA	NA
Total.....	1,373,198	86,681	249,446	496,404	245,047	3,736	1,485	2,455,997	NA	NA
Year to Date										
1998	1,373,198	86,681	249,446	496,404	245,047	3,736	1,485	2,455,997	NA	NA
1997	1,328,875	56,626	224,464	475,017	267,607	4,001	1,463	2,358,053	NA	NA
1996	1,296,638	53,759	211,979	514,826	256,051	3,709	1,412	2,338,374	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.

Table 4. U.S. Electric Utility Net Generation by Nonrenewable Energy Source, 1990 Through September 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
June.....	259,791	157,503	12,149	35,082	55,732	-675
July.....	289,663	173,093	13,617	42,120	61,499	-666
August.....	288,198	172,548	13,106	42,878	60,369	-703
September.....	258,931	155,616	10,555	35,828	57,206	-272
Total	2,202,313	1,373,198	86,681	249,446	496,404	-3,415
Year to Date						
1998	2,202,313	1,373,198	86,681	249,446	496,404	-3,415
1997	2,082,461	1,328,875	56,626	224,464	475,017	-2,521
1996	2,075,104	1,296,638	53,759	211,979	514,826	-2,097

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 September 1998 was 2,674 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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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 September 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
June.....	31,406,909	30,923,671	353,625	128,892	386	335
July.....	28,021,379	27,400,275	448,490	171,673	535	406
August.....	24,669,752	24,010,586	482,641	175,748	412	365
September.....	20,554,789	19,910,101	474,013	169,950	465	260
Total	253,683,201	248,462,664	3,735,769	1,480,554	2,053	2,161
Year to Date						
1998	253,683,201	248,462,664	3,735,769	1,480,554	2,053	2,161
1997	275,591,832	270,127,862	4,001,115	1,454,573	5,216	3,066
1996	263,269,291	258,148,501	3,709,184	1,400,196	8,639	2,771

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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date		
				1998	1997	Difference (percent)
ECAR.....	43,845	48,569	42,790	401,492	393,796	2.0
ERCOT.....	23,203	25,757	22,023	186,798	175,024	6.7
MAAC.....	18,888	21,967	16,238	168,088	157,032	7.0
MAIN.....	21,030	22,724	18,377	166,391	164,296	1.3
MAPP (U.S.).....	13,553	15,540	13,224	122,595	119,529	2.6
NPCC (U.S.).....	15,306	18,625	15,272	144,640	136,590	5.9
SERC.....	53,618	59,657	50,893	483,891	452,691	6.9
FRCC.....	15,442	16,802	13,710	122,870	109,083	NM
SPP.....	29,171	32,574	26,532	240,852	224,958	7.1
WSCC (U.S.).....	44,543	49,660	46,624	409,972	416,624	-1.6
Contiguous U.S.	278,599	311,875	265,683	2,447,589	2,349,624	4.2
ASCC.....	323	416	417	3,736	3,767	-8
Hawaii.....	563	577	549	4,672	4,662	.2
U.S. Total	279,486	312,868	266,649	2,455,997	2,358,053	4.2

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date		
				1998	1997	Difference (percent)
New England	4,471	6,538	6,023	51,689	54,825	-5.7
Connecticut.....	1,522	1,622	940	10,892	9,693	12.4
Maine.....	157	355	261	2,679	2,418	10.8
Massachusetts.....	1,171	2,410	2,881	22,011	25,284	-12.9
New Hampshire.....	1,209	1,413	1,218	10,824	10,861	-.3
Rhode Island.....	1	296	311	2,063	2,562	-19.5
Vermont.....	411	442	411	3,220	4,007	-19.6
Middle Atlantic	28,470	31,849	25,152	245,339	232,745	5.4
New Jersey.....	3,321	3,918	1,788	27,219	17,577	54.9
New York.....	10,258	11,440	9,171	87,769	81,630	7.5
Pennsylvania.....	14,892	16,491	14,192	130,352	133,538	-2.4
East North Central	45,990	51,193	43,023	401,523	389,775	3.0
Illinois.....	12,481	13,690	11,343	97,218	99,694	-2.5
Indiana.....	10,004	11,013	9,047	86,620	81,301	6.5
Michigan.....	6,765	7,869	7,218	64,380	68,469	-6.0
Ohio.....	11,814	13,509	11,248	112,583	104,517	7.7
Wisconsin.....	4,926	5,114	4,167	40,722	35,794	13.8
West North Central	22,642	25,831	21,040	200,428	191,162	4.8
Iowa.....	3,225	3,634	2,807	27,910	25,405	9.9
Kansas.....	3,824	4,220	3,538	32,313	29,904	8.1
Minnesota.....	3,720	4,115	3,369	32,036	29,624	8.1
Missouri.....	6,424	7,405	5,603	56,755	54,063	5.0
Nebraska.....	2,381	2,831	2,199	22,148	21,329	3.8
North Dakota.....	2,354	2,747	2,414	22,421	21,706	3.3
South Dakota.....	715	879	1,111	6,845	9,133	-25.1
South Atlantic	61,066	67,628	55,113	524,801	478,118	9.8
Delaware.....	563	705	493	4,991	5,296	-5.8
District of Columbia.....	7	45	-1	246	65	276.3
Florida.....	16,216	17,678	14,449	129,356	114,222	13.2
Georgia.....	10,164	11,492	9,342	84,706	77,062	9.9
Maryland.....	4,205	4,854	3,652	37,230	33,269	11.9
North Carolina.....	10,192	11,148	8,773	87,322	79,691	9.6
South Carolina.....	6,872	7,338	6,869	64,978	59,028	10.1
Virginia.....	5,356	6,310	4,731	49,224	44,177	11.4
West Virginia.....	7,491	8,057	6,805	66,748	65,308	2.2
East South Central	26,594	29,611	27,289	252,440	246,176	2.5
Alabama.....	9,372	9,699	9,720	86,654	84,426	2.6
Kentucky.....	7,058	7,702	7,261	67,156	68,292	-1.7
Mississippi.....	2,941	3,683	3,140	25,508	23,380	9.1
Tennessee.....	7,223	8,528	7,169	73,121	70,077	4.3
West South Central	43,877	48,516	40,494	353,357	331,365	6.6
Arkansas.....	4,387	4,470	3,389	32,424	33,684	-3.7
Louisiana.....	6,275	7,187	5,780	51,160	46,720	9.5
Oklahoma.....	5,061	5,476	4,475	40,810	37,138	9.9
Texas.....	28,155	31,383	26,850	228,963	213,824	7.1
Mountain	25,384	28,020	24,080	218,673	210,233	4.0
Arizona.....	7,025	8,139	6,653	60,622	58,315	4.0
Colorado.....	3,165	3,308	2,840	26,668	25,303	5.4
Idaho.....	744	1,008	1,003	9,802	10,948	-10.5
Montana.....	2,270	2,593	2,427	20,804	20,462	1.7
Nevada.....	2,431	2,813	2,387	18,710	16,881	10.8
New Mexico.....	2,841	3,081	2,350	23,324	23,239	.4
Utah.....	3,166	3,117	2,982	25,694	24,984	2.8
Wyoming.....	3,743	3,962	3,439	33,050	30,101	9.8
Pacific Contiguous	20,104	22,689	23,470	199,346	215,237	-7.4
California.....	10,063	11,884	11,771	89,298	86,837	2.8
Oregon.....	3,196	3,052	3,809	34,957	37,452	-6.7
Washington.....	6,845	7,753	7,890	75,091	90,949	-17.4
Pacific Noncontiguous	887	993	966	8,399	8,416	-.2
Alaska.....	323	416	417	3,732	3,765	-.9
Hawaii.....	563	577	549	4,667	4,651	.3
U.S. Total	279,486	312,868	266,649	2,455,997	2,358,053	4.2

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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date				
				Coal Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	530	1,360	1,428	11,501	13,957	-17.6	22.3	25.5
Connecticut.....	158	35	69	1,058	1,857	-43.0	9.7	19.2
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	84	994	1,062	7,803	9,088	-14.1	35.5	35.9
New Hampshire.....	288	331	297	2,639	3,013	-12.4	24.4	27.7
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—
Middle Atlantic	11,332	13,151	11,126	103,392	99,702	3.7	42.1	42.8
New Jersey.....	437	757	611	4,178	4,930	-15.3	15.4	28.0
New York.....	1,947	2,222	1,975	17,525	15,838	10.7	20.0	19.4
Pennsylvania.....	8,948	10,171	8,540	81,689	78,934	3.5	62.7	59.1
East North Central	35,766	39,763	34,106	320,581	308,198	4.0	79.8	79.1
Illinois.....	6,462	7,325	6,107	53,656	56,781	-5.5	55.2	57.0
Indiana.....	9,812	10,726	8,910	84,855	80,146	5.9	98.0	98.6
Michigan.....	5,631	6,202	5,416	51,810	48,357	7.1	80.5	70.6
Ohio.....	10,250	11,806	10,266	99,461	92,146	7.9	88.3	88.2
Wisconsin.....	3,612	3,703	3,407	30,800	30,770	.1	75.6	86.0
West North Central	16,314	19,128	15,539	151,280	141,871	6.6	75.5	74.2
Iowa.....	2,678	3,073	2,434	24,044	21,515	11.8	86.1	84.7
Kansas.....	2,462	2,730	2,516	21,871	20,758	5.4	67.7	69.4
Minnesota.....	2,436	2,755	2,094	21,260	19,594	8.5	66.4	66.1
Missouri.....	5,169	6,074	4,937	47,563	44,985	5.7	83.8	83.2
Nebraska.....	1,297	1,668	1,230	13,503	13,369	1.0	61.0	62.7
North Dakota.....	2,165	2,525	2,050	20,595	19,190	7.3	91.9	88.4
South Dakota.....	107	302	277	2,444	2,460	-7	35.7	26.9
South Atlantic	35,377	39,409	33,064	298,400	283,959	5.1	56.9	59.4
Delaware.....	341	386	374	3,108	3,019	2.9	62.3	57.0
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	5,856	6,419	5,787	49,418	49,931	-1.0	38.2	43.7
Georgia.....	7,282	7,843	6,980	54,676	49,658	10.1	64.5	64.4
Maryland.....	2,447	2,866	2,442	22,260	20,838	6.8	59.8	62.6
North Carolina.....	6,366	7,410	5,701	53,524	51,049	4.8	61.3	64.1
South Carolina.....	3,105	3,496	2,743	25,255	22,534	12.1	38.9	38.2
Virginia.....	2,510	2,963	2,257	23,922	22,078	8.4	48.6	50.0
West Virginia.....	7,469	8,026	6,779	66,237	64,852	2.1	99.2	99.3
East South Central	18,570	20,132	19,837	169,335	170,992	-1.0	67.1	69.5
Alabama.....	6,389	6,288	6,607	53,048	52,608	.8	61.2	62.3
Kentucky.....	6,751	7,282	7,007	63,824	65,353	-2.3	95.0	95.7
Mississippi.....	960	1,328	1,252	9,634	9,490	1.5	37.8	40.6
Tennessee.....	4,470	5,234	4,971	42,829	43,540	-1.6	58.6	62.1
West South Central	18,252	19,299	18,099	158,248	162,392	-2.6	44.8	49.0
Arkansas.....	2,364	2,260	1,644	16,793	18,303	-8.2	51.8	54.3
Louisiana.....	1,756	1,788	1,908	15,990	15,722	1.7	31.3	33.7
Oklahoma.....	2,909	2,704	3,026	25,061	25,111	-2	61.4	67.6
Texas.....	11,223	12,547	11,521	100,404	103,256	-2.8	43.9	48.3
Mountain	18,171	18,961	17,189	151,513	142,050	6.7	69.3	67.6
Arizona.....	3,251	3,563	3,378	26,386	24,895	6.0	43.5	42.7
Colorado.....	2,880	2,974	2,649	24,688	23,395	5.5	92.6	92.5
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1,464	1,398	1,462	12,182	10,150	20.0	58.6	49.6
Nevada.....	1,534	1,710	1,541	12,006	10,739	11.8	64.2	63.6
New Mexico.....	2,479	2,611	2,006	20,256	20,491	-1.1	86.8	88.2
Utah.....	2,959	2,903	2,806	24,146	23,556	2.5	94.0	94.3
Wyoming.....	3,604	3,802	3,348	31,849	28,823	10.5	96.4	95.8
Pacific Contiguous	1,302	1,331	1,023	8,768	5,578	57.2	4.4	2.6
California.....	—	—	—	—	—	—	—	—
Oregon.....	374	370	246	2,222	721	208.0	6.4	1.9
Washington.....	928	962	777	6,546	4,857	34.8	8.7	5.3
Pacific Noncontiguous	—	14	16	179	175	2.1	2.1	2.1
Alaska.....	—	14	16	179	175	2.1	4.8	4.7
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	155,616	172,548	151,427	1,373,198	1,328,875	3.3	55.9	56.4

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. •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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date				
				Petroleum Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	1,134	1,946	1,788	16,939	16,297	3.9	32.8	29.7
Connecticut.....	481	785	710	6,559	6,148	6.7	60.2	63.4
Maine.....	59	231	152	1,212	961	26.1	45.2	39.8
Massachusetts.....	523	775	858	8,104	8,472	-4.3	36.8	33.5
New Hampshire.....	70	153	62	1,005	697	44.3	9.3	6.4
Rhode Island.....	1	1	4	10	11	-12.3	.5	.4
Vermont.....	NM	NM	1	49	8	541.3	1.5	.2
Middle Atlantic	1,661	2,514	751	14,450	7,425	94.6	5.9	3.2
New Jersey.....	70	92	8	463	317	46.2	1.7	1.8
New York.....	1,224	1,626	524	10,363	5,348	93.8	11.8	6.6
Pennsylvania.....	367	796	218	3,624	1,761	105.8	2.8	1.3
East North Central	348	325	170	2,717	1,470	84.8	.7	.4
Illinois.....	74	69	17	765	305	150.7	.8	.3
Indiana.....	69	77	76	644	413	55.7	.7	.5
Michigan.....	152	125	52	865	404	114.1	1.3	.6
Ohio.....	32	30	13	275	204	35.2	.2	.2
Wisconsin.....	20	23	12	167	144	16.0	.4	.4
West North Central	148	163	78	1,051	917	14.7	.5	.5
Iowa.....	22	16	3	113	71	59.7	.4	.3
Kansas.....	NM	NM	4	79	93	-14.8	.2	.3
Minnesota.....	59	65	53	472	570	-17.1	1.5	1.9
Missouri.....	49	58	9	282	94	199.0	.5	.2
Nebraska.....	5	NM	3	41	20	102.0	.2	.1
North Dakota.....	4	2	5	39	63	-38.0	.2	.3
South Dakota.....	3	4	*	24	5	373.2	.4	.1
South Atlantic	5,566	6,721	3,820	39,376	22,757	73.0	7.5	4.8
Delaware.....	69	117	47	958	618	55.1	19.2	11.7
District of Columbia.....	7	45	-1	246	65	276.3	100.0	100.0
Florida.....	4,480	5,226	3,627	31,607	19,822	59.5	24.4	17.4
Georgia.....	82	125	14	648	179	261.3	.8	.2
Maryland.....	324	592	88	2,825	993	184.7	7.6	3.0
North Carolina.....	67	28	13	243	150	61.7	.3	.2
South Carolina.....	25	46	14	303	143	111.1	.5	.2
Virginia.....	499	529	3	2,393	652	267.2	4.9	1.5
West Virginia.....	11	13	14	152	135	12.3	.2	.2
East South Central	927	604	374	5,733	1,723	232.7	2.3	.7
Alabama.....	41	19	8	200	85	136.1	.2	.1
Kentucky.....	7	8	9	98	90	9.0	.1	.1
Mississippi.....	657	510	352	4,793	1,409	240.1	18.8	6.0
Tennessee.....	223	67	6	642	139	362.1	.9	.2
West South Central	113	64	52	613	601	2.0	.2	.2
Arkansas.....	22	15	2	110	59	85.8	.3	.2
Louisiana.....	82	40	37	414	384	7.8	.8	.8
Oklahoma.....	1	1	3	4	8	-52.3	*	*
Texas.....	8	8	10	85	150	-43.4	*	.1
Mountain	15	21	17	181	177	2.3	.1	.1
Arizona.....	4	7	4	52	50	3.2	.1	.1
Colorado.....	NM	NM	NM	28	12	137.4	.1	*
Idaho.....	*	*	—	*	*	NM	*	*
Montana.....	*	2	1	10	13	-20.1	*	.1
Nevada.....	3	1	4	19	20	-2.8	.1	.1
New Mexico.....	1	1	1	17	16	7.8	.1	.1
Utah.....	2	2	2	23	23	1.7	.1	.1
Wyoming.....	3	3	4	32	44	-27.4	.1	.1
Pacific Contiguous	15	28	11	108	73	47.3	.1	*
California.....	14	21	9	86	51	67.2	.1	.1
Oregon.....	*	4	1	9	7	23.4	*	*
Washington.....	1	2	*	13	15	-10.9	*	*
Pacific Noncontiguous	628	721	627	5,513	5,184	6.4	65.6	61.6
Alaska.....	NM	NM	NM	855	546	56.7	22.9	14.5
Hawaii.....	562	576	547	4,658	4,638	.4	99.8	99.7
U.S. Total	10,555	13,106	7,688	86,681	56,626	53.1	3.5	2.4

* = 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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date				
				Gas Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	262	721	928	4,575	8,047	-43.2	8.9	14.7
Connecticut.....	147	239	132	950	1,154	-17.7	8.7	11.9
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	115	186	487	1,563	4,307	-63.7	7.1	17.0
New Hampshire.....	—	2	2	8	35	-77.1	.1	.3
Rhode Island.....	—	295	307	2,053	2,551	-19.5	99.5	99.6
Vermont.....	—	—	—	1	—	NM	*	—
Middle Atlantic	2,296	3,901	1,980	19,791	19,650	.7	8.1	8.4
New Jersey.....	307	567	125	2,704	2,397	12.8	9.9	13.6
New York.....	1,943	3,295	1,819	16,571	16,714	-9	18.9	20.5
Pennsylvania.....	46	38	36	516	539	-4.2	.4	.4
East North Central	1,133	1,322	316	8,235	4,455	84.8	2.1	1.1
Illinois.....	463	619	162	4,269	2,416	76.7	4.4	2.4
Indiana.....	95	160	24	758	332	128.6	.9	.4
Michigan.....	336	278	63	1,684	539	212.7	2.6	.8
Ohio.....	90	98	17	471	184	155.3	.4	.2
Wisconsin.....	149	168	49	1,053	984	7.0	2.6	2.7
West North Central	1,052	1,246	298	5,263	2,898	81.6	2.6	1.5
Iowa.....	81	75	15	390	218	79.1	1.4	.9
Kansas.....	503	599	173	2,593	1,483	74.9	8.0	5.0
Minnesota.....	126	122	26	578	457	26.3	1.8	1.5
Missouri.....	237	306	59	1,135	469	142.2	2.0	.9
Nebraska.....	80	97	21	387	168	130.3	1.7	.8
North Dakota.....	*	*	*	*	*	NM	*	*
South Dakota.....	25	47	4	181	104	74.1	2.6	1.1
South Atlantic	4,451	4,785	3,421	31,035	30,971	.2	5.9	6.5
Delaware.....	152	202	72	924	1,659	-44.3	18.5	31.3
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	3,175	3,201	3,105	24,326	26,424	-7.9	18.8	23.1
Georgia.....	268	382	86	1,573	529	197.5	1.9	.7
Maryland.....	209	276	48	972	762	27.6	2.6	2.3
North Carolina.....	179	265	36	923	332	178.1	1.1	.4
South Carolina.....	67	88	13	402	159	152.5	.6	.3
Virginia.....	400	368	61	1,885	1,088	73.3	3.8	2.5
West Virginia.....	2	3	1	28	18	54.4	*	*
East South Central	1,202	1,614	804	7,822	5,445	43.7	3.1	2.2
Alabama.....	417	485	111	2,190	784	179.4	2.5	.9
Kentucky.....	92	98	15	454	132	244.1	.7	.2
Mississippi.....	532	932	679	4,646	4,398	5.6	18.2	18.8
Tennessee.....	161	99	—	533	131	305.3	.7	.2
West South Central	19,854	22,696	16,902	137,472	112,635	22.1	38.9	34.0
Arkansas.....	620	735	310	3,526	1,963	79.6	10.9	5.8
Louisiana.....	3,491	3,867	2,833	22,358	21,102	6.0	43.7	45.2
Oklahoma.....	2,056	2,650	1,325	13,405	9,697	38.2	32.8	26.1
Texas.....	13,687	15,444	12,433	98,184	79,873	22.9	42.9	37.4
Mountain	1,818	2,318	1,528	10,681	9,000	18.7	4.9	4.3
Arizona.....	572	746	456	2,442	1,828	33.6	4.0	3.1
Colorado.....	139	143	53	720	310	132.4	2.7	1.2
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	6	6	2	30	25	19.2	.1	.1
Nevada.....	661	881	617	4,325	4,043	7.0	23.1	24.0
New Mexico.....	346	441	325	2,817	2,513	12.1	12.1	10.8
Utah.....	NM	NM	NM	322	274	17.4	1.3	1.1
Wyoming.....	1	*	*	24	6	279.2	.1	*
Pacific Contiguous	3,572	4,091	5,894	22,678	29,111	-22.1	11.4	13.5
California.....	3,083	3,362	5,467	20,065	28,171	-28.8	22.5	32.4
Oregon.....	269	429	326	1,969	767	156.6	5.6	2.0
Washington.....	220	300	101	644	173	271.7	.9	.2
Pacific Noncontiguous	188	183	210	1,894	2,251	-15.8	22.5	26.7
Alaska.....	188	183	210	1,894	2,251	-15.8	50.7	59.8
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	35,828	42,878	32,281	249,446	224,464	11.1	10.2	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 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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date				
				Hydroelectric Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	146	242	217	3,769	3,704	1.8	7.3	6.8
Connecticut.....	3	5	11	325	303	7.2	3.0	3.1
Maine.....	99	124	109	1,466	1,457	.7	54.7	60.2
Massachusetts.....	-1	-9	4	308	276	11.4	1.4	1.1
New Hampshire.....	15	63	55	904	962	-6.0	8.4	8.9
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	NM	59	38	765	705	8.6	23.8	17.6
Middle Atlantic	1,962	2,063	2,107	22,064	21,805	1.2	9.0	9.4
New Jersey.....	-11	-15	-13	-109	-95	NM	-4	-5
New York.....	1,980	2,077	2,110	20,610	21,030	-2.0	23.5	25.8
Pennsylvania.....	-7	1	11	1,563	870	79.8	1.2	.7
East North Central	143	144	278	2,178	3,092	-29.5	.5	.8
Illinois.....	3	3	2	18	12	51.2	*	*
Indiana.....	29	49	36	364	410	-11.4	.4	.5
Michigan.....	26	-31	44	308	602	-48.9	.5	.9
Ohio.....	28	43	35	298	356	-16.1	.3	.3
Wisconsin.....	57	79	161	1,190	1,712	-30.5	2.9	4.8
West North Central	1,130	1,108	1,457	10,009	12,757	-21.5	5.0	6.7
Iowa.....	68	84	51	670	605	10.7	2.4	2.4
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	NM	NM	NM	463	548	-15.5	1.4	1.9
Missouri.....	140	111	44	1,635	1,335	22.4	2.9	2.5
Nebraska.....	136	151	147	1,257	1,253	.3	5.7	5.9
North Dakota.....	185	219	359	1,787	2,452	-27.1	8.0	11.3
South Dakota.....	580	526	828	4,196	6,563	-36.1	61.3	71.9
South Atlantic	414	553	478	13,021	10,548	23.4	2.5	2.2
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	19	18	13	146	186	-21.7	.1	.2
Georgia.....	226	314	255	4,411	3,421	28.9	5.2	4.4
Maryland.....	20	35	37	1,658	1,243	33.3	4.5	3.7
North Carolina.....	194	226	189	3,681	3,464	6.2	4.2	4.3
South Carolina.....	39	28	25	2,389	1,694	41.0	3.7	2.9
Virginia.....	-92	-82	-51	406	237	71.3	.8	.5
West Virginia.....	8	15	11	331	302	9.6	.5	.5
East South Central	1,203	1,669	1,348	19,802	19,530	1.4	7.8	7.9
Alabama.....	397	545	480	9,097	9,187	-1.0	10.5	10.9
Kentucky.....	208	314	230	2,780	2,717	2.3	4.1	4.0
Mississippi.....	—	—	—	—	—	—	—	—
Tennessee.....	598	810	639	7,925	7,626	3.9	10.8	10.9
West South Central	307	416	376	6,142	6,902	-11.0	1.7	2.1
Arkansas.....	143	186	192	2,564	2,984	-14.1	7.9	8.9
Louisiana.....	—	—	—	—	—	—	—	—
Oklahoma.....	95	121	122	2,340	2,322	.8	5.7	6.3
Texas.....	68	109	63	1,238	1,596	-22.4	.5	.7
Mountain	3,090	3,965	3,459	33,309	37,112	-10.2	15.2	17.7
Arizona.....	919	1,074	938	8,873	9,772	-9.2	14.6	16.8
Colorado.....	145	185	136	1,232	1,586	-22.3	4.6	6.3
Idaho.....	744	1,008	1,003	9,802	10,948	-10.5	100.0	100.0
Montana.....	799	1,187	962	8,581	10,274	-16.5	41.2	50.2
Nevada.....	232	220	225	2,359	2,079	13.5	12.6	12.3
New Mexico.....	15	28	19	233	219	6.7	1.0	.9
Utah.....	102	105	88	1,083	1,006	7.7	4.2	4.0
Wyoming.....	135	157	87	1,145	1,228	-6.7	3.5	4.1
Pacific Contiguous	11,172	13,072	12,197	133,942	151,352	-11.5	67.2	70.3
California.....	3,776	4,768	2,760	40,008	33,631	19.0	44.8	38.7
Oregon.....	2,552	2,250	3,236	30,758	35,956	-14.5	88.0	96.0
Washington.....	4,844	6,054	6,201	63,176	81,765	-22.7	84.1	89.9
Pacific Noncontiguous	71	75	113	813	806	.8	9.7	9.6
Alaska.....	NM	NM	111	804	793	1.3	21.5	21.1
Hawaii.....	1	1	2	9	13	-33.3	.2	.3
U.S. Total	19,638	23,308	22,031	245,047	267,607	-8.4	10.0	11.3

* = 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 September 1998 was 2,674 million kilowatthours. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date				
				Nuclear Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	2,355	2,223	1,626	14,474	12,394	16.8	28.0	22.6
Connecticut.....	702	522	-10	1,688	-94	NM	15.5	-1.0
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	450	463	470	4,232	3,139	34.8	19.2	12.4
New Hampshire.....	836	864	802	6,267	6,155	1.8	57.9	56.7
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	366	374	364	2,287	3,194	-28.4	71.0	79.7
Middle Atlantic	11,218	10,219	9,188	85,638	84,146	1.8	34.9	36.2
New Jersey.....	2,518	2,516	1,057	19,982	10,028	99.3	73.4	57.1
New York.....	3,161	2,218	2,744	22,697	22,683	.1	25.9	27.8
Pennsylvania.....	5,539	5,485	5,387	42,959	51,435	-16.5	33.0	38.5
East North Central	8,561	9,599	8,123	67,478	72,266	-6.6	16.8	18.5
Illinois.....	5,478	5,673	5,056	38,510	40,156	-4.1	39.6	40.3
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	620	1,295	1,643	9,713	18,568	-47.7	15.1	27.1
Ohio.....	1,414	1,532	916	12,078	11,628	3.9	10.7	11.1
Wisconsin.....	1,049	1,100	509	7,177	1,915	274.9	17.6	5.3
West North Central	3,954	4,139	3,624	32,440	32,349	.3	16.2	16.9
Iowa.....	373	383	301	2,679	2,980	-10.1	9.6	11.7
Kansas.....	851	877	845	7,770	7,571	2.6	24.0	25.3
Minnesota.....	1,040	1,115	1,130	8,934	8,131	9.9	27.9	27.4
Missouri.....	826	852	551	6,096	7,149	-14.7	10.7	13.2
Nebraska.....	863	912	797	6,960	6,518	6.8	31.4	30.6
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic	15,259	16,160	14,330	142,969	129,883	10.1	27.2	27.2
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	2,686	2,815	1,917	23,858	17,859	33.6	18.4	15.6
Georgia.....	2,307	2,829	2,008	23,398	23,275	.5	27.6	30.2
Maryland.....	1,205	1,086	1,037	9,516	9,433	.9	25.6	28.4
North Carolina.....	3,387	3,219	2,834	28,951	24,696	17.2	33.2	31.0
South Carolina.....	3,635	3,679	4,074	36,629	34,497	6.2	56.4	58.4
Virginia.....	2,039	2,531	2,462	20,617	20,122	2.5	41.9	45.5
West Virginia.....	—	—	—	—	—	—	—	—
East South Central	4,692	5,591	4,925	49,748	48,485	2.6	19.7	19.7
Alabama.....	2,128	2,361	2,514	22,120	21,763	1.6	25.5	25.8
Kentucky.....	—	—	—	—	—	—	—	—
Mississippi.....	792	913	858	6,435	8,082	-20.4	25.2	34.6
Tennessee.....	1,772	2,318	1,553	21,193	18,640	13.7	29.0	26.6
West South Central	5,352	6,041	5,064	50,882	48,835	4.2	14.4	14.7
Arkansas.....	1,238	1,273	1,240	9,432	10,374	-9.1	29.1	30.8
Louisiana.....	945	1,492	1,001	12,398	9,511	30.3	24.2	20.4
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	3,169	3,275	2,823	29,053	28,949	.4	12.7	13.5
Mountain	2,279	2,749	1,878	22,870	21,769	5.1	10.5	10.4
Arizona.....	2,279	2,749	1,878	22,870	21,769	5.1	37.7	37.3
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—
Pacific Contiguous	3,537	3,648	3,828	29,906	24,891	20.1	15.0	11.6
California.....	2,718	3,246	3,054	25,430	21,009	21.0	28.5	24.2
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	819	401	774	4,476	3,882	15.3	6.0	4.3
Pacific Noncontiguous	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	57,206	60,369	52,586	496,404	475,017	4.5	20.2	20.1

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. •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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date				
				Other Generation			Share of Total (percent)	
				1998	1997	Difference (percent)	1998	1997
New England	44	45	36	431	426	1.2	0.8	0.8
Connecticut.....	29	36	28	313	326	-4.1	2.9	3.4
Maine.....	*	*	—	*	—	NM	*	—
Massachusetts.....	—	—	—	—	—	—	—	—
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	15	8	9	118	100	18.1	3.7	2.5
Middle Atlantic	*	1	—	5	17	-72.2	*	*
New Jersey.....	—	—	—	—	—	—	—	—
New York.....	*	1	—	5	17	-72.2	*	*
Pennsylvania.....	—	—	—	—	—	—	—	—
East North Central	39	40	30	334	293	14.0	.1	.1
Illinois.....	—	—	—	—	24	—	—	*
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	—	—	—	—	—
Ohio.....	—	—	—	—	—	—	—	—
Wisconsin.....	39	40	30	334	270	23.9	.8	.8
West North Central	44	46	43	386	370	4.2	.2	.2
Iowa.....	2	3	2	14	17	-13.1	.1	.1
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	38	40	37	328	323	1.8	1.0	1.1
Missouri.....	4	3	3	43	30	41.7	.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	12	7	10	119	125	-4.6	.1	.1
Arizona.....	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	12	7	10	119	125	-4.6	.5	.5
Wyoming.....	—	—	—	—	—	—	—	—
Pacific Contiguous	506	520	517	3,945	4,232	-6.8	2.0	2.0
California.....	473	487	480	3,709	3,975	-6.7	4.2	4.6
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	33	33	37	236	258	-8.3	.3	.3
Pacific Noncontiguous	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	645	659	636	5,221	5,464	-4.5	.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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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 September 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
June.....	74	73,534	5,890	79,499	3,213	16,804	20,016	167	379,024
July.....	70	80,841	6,611	87,521	3,498	19,257	22,755	176	448,875
August.....	58	80,743	6,334	87,135	3,337	18,757	22,094	165	457,551
September.....	52	72,320	5,816	78,188	2,718	14,622	17,340	156	379,598
Total.....	656	638,393	52,994	692,043	19,217	122,436	141,653	1355	2,647,451
Year to Date									
1998.....	656	638,393	52,994	692,043	19,217	122,436	141,653	1355	2,647,451
1997.....	770	611,704	57,631	670,105	11,875	79,542	91,417	993	2,347,356
1996.....	788	592,407	58,611	651,806	13,150	77,298	90,448	517	2,203,530

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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date		
				1998	1997	Difference (percent)
ECAR.....	17,913	19,882	17,298	165,437	155,576	6.3
ERCOT.....	6,414	7,179	6,583	56,899	58,947	-3.5
MAAC.....	3,418	4,175	3,683	32,018	33,469	-4.3
MAIN.....	7,030	8,052	6,671	59,182	60,836	-2.7
MAPP (U.S.).....	6,609	7,739	6,344	62,319	59,144	5.4
NPCC (U.S.).....	1,236	1,707	1,396	13,630	11,939	14.2
SERC.....	14,135	15,897	13,849	120,797	116,570	3.6
FRCC.....	2,129	2,361	2,124	18,146	18,518	NM
SPP.....	9,135	9,633	9,009	80,048	78,908	1.4
WSCC (U.S.).....	10,170	10,499	9,360	83,385	76,027	9.7
Contiguous U.S.	78,188	87,122	76,316	691,861	669,934	3.3
ASCC.....	—	13	16	182	172	6.3
Hawaii.....	—	—	—	—	—	—
U.S. Total	78,188	87,135	76,332	692,043	670,105	3.3

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. •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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date		
				1998	1997	Difference (percent)
ECAR.....	458	437	219	3,197	2,055	55.5
ERCOT.....	14	12	17	149	253	-41.0
MAAC.....	1,504	3,009	558	14,379	6,559	119.2
MAIN.....	160	168	57	1,582	948	66.8
MAPP (U.S.).....	114	101	41	806	708	13.9
NPCC (U.S.).....	3,973	6,125	3,832	45,438	34,932	30.1
SERC.....	1,724	1,496	129	8,527	2,632	224.0
FRCC.....	6,824	8,245	5,416	48,156	30,463	NM
SPP.....	1,393	1,090	643	9,080	3,288	176.2
WSCC (U.S.).....	68	111	52	595	470	26.4
Contiguous U.S.	16,232	20,796	10,963	131,909	82,308	60.3
ASCC.....	143	296	142	1,704	998	70.8
Hawaii.....	965	1,002	952	8,040	8,112	-9
U.S. Total	17,340	22,094	12,058	141,653	91,417	55.0

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date		
				1998	1997	Difference (percent)
ECAR.....	8,732	9,787	3,581	58,744	32,187	82.5
ERCOT.....	120,710	134,001	106,008	836,223	670,923	24.6
MAAC.....	7,864	11,466	3,050	54,592	55,920	-2.4
MAIN.....	8,100	10,049	3,136	66,931	46,614	43.6
MAPP (U.S.).....	4,291	4,767	930	22,035	13,230	66.6
NPCC (U.S.).....	23,202	41,135	28,072	215,779	250,037	-13.7
SERC.....	20,966	25,679	7,048	126,258	64,094	97.0
FRCC.....	27,137	28,700	26,929	214,867	238,982	NM
SPP.....	99,870	124,065	74,409	686,116	549,500	24.9
WSCC (U.S.).....	56,335	65,873	77,328	345,021	400,724	-13.9
Contiguous U.S.	377,206	455,522	330,492	2,626,566	2,322,210	13.1
ASCC.....	2,392	2,029	2,289	20,884	25,146	-16.9
Hawaii.....	—	—	—	—	—	—
U.S. Total	379,598	457,551	332,781	2,647,451	2,347,356	12.8

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date		
				1998	1997	Difference (percent)
New England	220	544	581	4,523	5,538	-18.3
Connecticut.....	66	16	40	425	784	-45.9
Maine.....	—	—	—	—	—	—
Massachusetts.....	31	391	417	2,992	3,482	-14.1
New Hampshire.....	124	138	124	1,107	1,271	-12.9
Rhode Island.....	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—
Middle Atlantic	4,579	5,354	4,531	41,836	40,256	3.9
New Jersey.....	182	347	254	1,779	2,062	-13.8
New York.....	784	899	784	7,017	6,342	10.6
Pennsylvania.....	3,613	4,108	3,493	33,040	31,852	3.7
East North Central	17,385	19,762	16,878	156,460	151,599	3.2
Illinois.....	3,616	4,097	3,300	29,230	30,639	-4.6
Indiana.....	4,856	5,330	4,572	42,322	40,518	4.5
Michigan.....	2,765	3,095	2,668	25,470	23,627	7.8
Ohio.....	4,317	5,052	4,354	42,161	39,019	8.1
Wisconsin.....	1,831	2,188	1,984	17,277	17,795	-2.9
West North Central	10,594	12,341	10,210	98,096	92,521	6.0
Iowa.....	1,692	1,946	1,626	15,157	13,564	11.7
Kansas.....	1,556	1,715	1,586	13,763	13,371	2.9
Minnesota.....	1,463	1,659	1,331	13,252	12,723	4.2
Missouri.....	3,115	3,633	2,945	28,238	26,481	6.6
Nebraska.....	815	1,046	769	8,509	8,377	1.6
North Dakota.....	1,882	2,160	1,782	17,702	16,521	7.1
South Dakota.....	71	182	170	1,476	1,484	-5
South Atlantic	14,230	15,832	13,320	121,073	115,723	4.6
Delaware.....	142	160	157	1,293	1,312	-1.5
District of Columbia.....	—	—	—	—	—	—
Florida.....	2,454	2,726	2,439	20,858	20,700	.8
Georgia.....	3,031	3,207	2,967	23,880	23,006	3.8
Maryland.....	917	1,086	919	8,471	7,908	7.1
North Carolina.....	2,491	2,904	2,229	20,888	19,855	5.2
South Carolina.....	1,209	1,367	1,064	9,887	8,785	12.5
Virginia.....	945	1,174	884	9,374	8,646	8.4
West Virginia.....	3,042	3,208	2,661	26,423	25,512	3.6
East South Central	8,038	9,022	8,575	74,237	73,734	.7
Alabama.....	2,762	2,982	2,845	23,403	22,584	3.6
Kentucky.....	2,899	3,153	3,066	27,909	28,517	-2.1
Mississippi.....	470	655	612	4,719	4,534	4.1
Tennessee.....	1,906	2,232	2,051	18,206	18,100	.6
West South Central	12,431	13,205	12,372	107,792	109,754	-1.8
Arkansas.....	1,452	1,409	1,012	10,433	11,000	-5.1
Louisiana.....	1,162	1,145	1,249	10,597	10,405	1.8
Oklahoma.....	1,766	1,676	1,809	15,217	15,174	.3
Texas.....	8,052	8,975	8,301	71,545	73,175	-2.2
Mountain	9,900	10,204	9,176	82,159	77,137	6.5
Arizona.....	1,657	1,781	1,691	13,367	12,761	4.7
Colorado.....	1,550	1,607	1,418	13,165	12,509	5.2
Idaho.....	—	—	—	—	—	—
Montana.....	947	886	902	7,793	6,594	18.2
Nevada.....	728	792	698	5,608	5,213	7.6
New Mexico.....	1,425	1,492	1,176	11,700	11,963	-2.2
Utah.....	1,281	1,321	1,269	10,724	10,529	1.9
Wyoming.....	2,312	2,325	2,023	19,802	17,568	12.7
Pacific Contiguous	813	857	674	5,685	3,672	54.8
California.....	—	—	—	—	—	—
Oregon.....	217	222	154	1,362	342	298.4
Washington.....	595	635	520	4,323	3,330	29.8
Pacific Noncontiguous	—	13	16	182	172	6.3
Alaska.....	—	13	16	182	172	6.3
Hawaii.....	—	—	—	—	—	—
U.S. Total	78,188	87,135	76,332	692,043	670,105	3.3

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. •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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date		
				1998	1997	Difference (percent)
New England	1,831	3,289	2,894	28,110	25,722	9.3
Connecticut.....	791	1,346	1,195	11,121	10,288	8.1
Maine.....	105	393	263	2,084	1,616	28.9
Massachusetts.....	802	1,263	1,313	12,990	12,524	3.7
New Hampshire.....	130	282	115	1,771	1,251	41.6
Rhode Island.....	2	2	6	16	19	-17.1
Vermont.....	NM	NM	3	129	24	425.8
Middle Atlantic	2,905	4,457	1,250	24,402	12,467	95.7
New Jersey.....	138	157	24	1,044	562	85.9
New York.....	2,145	2,838	938	17,383	9,207	88.8
Pennsylvania.....	622	1,461	289	5,975	2,699	121.4
East North Central	561	518	218	4,122	2,582	59.7
Illinois.....	119	112	35	1,229	738	66.4
Indiana.....	30	48	14	319	253	25.9
Michigan.....	319	265	119	1,796	943	90.5
Ohio.....	59	56	34	498	417	19.4
Wisconsin.....	34	38	16	280	230	21.8
West North Central	214	257	65	1,498	971	54.2
Iowa.....	51	36	NM	272	182	49.8
Kansas.....	17	NM	9	197	208	-5.3
Minnesota.....	21	24	6	156	168	-7.1
Missouri.....	100	136	23	649	234	176.7
Nebraska.....	11	NM	7	89	47	88.0
North Dakota.....	8	5	9	74	114	-34.7
South Dakota.....	7	10	1	62	18	235.1
South Atlantic	8,817	11,021	5,801	62,691	36,223	73.1
Delaware.....	119	227	81	1,651	1,060	55.7
District of Columbia.....	27	101	—	564	168	235.1
Florida.....	6,829	8,255	5,417	48,199	30,479	58.1
Georgia.....	180	252	30	1,537	409	275.5
Maryland.....	616	1,090	176	5,272	2,112	149.6
North Carolina.....	144	70	26	549	334	64.5
South Carolina.....	75	120	39	746	348	114.0
Virginia.....	809	884	5	3,921	1,076	264.5
West Virginia.....	20	21	28	253	236	7.1
East South Central	1,549	1,027	561	9,325	2,757	238.3
Alabama.....	74	39	14	364	160	127.2
Kentucky.....	13	16	18	203	192	5.8
Mississippi.....	1,026	848	519	7,410	2,148	245.0
Tennessee.....	437	124	9	1,348	256	425.8
West South Central	289	119	118	1,171	1,066	9.9
Arkansas.....	46	31	5	221	114	93.0
Louisiana.....	225	70	90	771	657	17.3
Oklahoma.....	2	3	5	10	14	-29.5
Texas.....	17	15	18	169	280	-39.5
Mountain	30	46	31	361	350	3.2
Arizona.....	8	14	8	99	93	7.1
Colorado.....	5	13	4	66	30	123.2
Idaho.....	*	*	—	*	*	NM
Montana.....	1	4	2	24	29	-19.1
Nevada.....	6	2	6	36	47	-22.3
New Mexico.....	3	2	2	34	31	7.6
Utah.....	3	5	4	43	42	1.4
Wyoming.....	6	5	7	59	78	-24.4
Pacific Contiguous	36	63	24	246	169	45.4
California.....	33	49	21	198	118	68.5
Oregon.....	*	9	3	19	16	19.5
Washington.....	2	5	1	29	36	-18.7
Pacific Noncontiguous	1,109	1,298	1,094	9,726	9,110	6.8
Alaska.....	NM	NM	NM	1,695	998	69.9
Hawaii.....	965	1,002	952	8,030	8,112	-1.0
U.S. Total	17,340	22,094	12,058	141,653	91,417	55.0

* = 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. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •The September 1998 petroleum coke consumption was 155,596 short tons. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Year to Date		
				1998	1997	Difference (percent)
New England	2,746	6,927	8,934	42,316	75,282	-43.8
Connecticut.....	1,606	2,673	1,722	10,380	12,528	-17.1
Maine.....	—	—	—	—	—	—
Massachusetts.....	1,130	1,970	4,785	16,046	42,658	-62.4
New Hampshire.....	—	26	60	124	503	-75.4
Rhode Island.....	—	2,251	2,364	15,593	19,567	-20.3
Vermont.....	11	8	2	173	26	576.9
Middle Atlantic	24,476	40,906	20,900	208,854	206,858	1.0
New Jersey.....	3,447	6,217	1,349	29,162	25,557	14.1
New York.....	20,469	34,234	19,134	173,488	174,807	-.8
Pennsylvania.....	560	455	417	6,205	6,494	-4.4
East North Central	16,018	18,877	6,503	120,690	76,687	57.4
Illinois.....	6,137	7,737	2,375	52,440	31,887	64.5
Indiana.....	NM	1,829	242	8,866	4,031	119.9
Michigan.....	5,437	5,545	2,922	37,955	23,881	58.9
Ohio.....	1,332	1,424	268	6,863	2,722	152.1
Wisconsin.....	2,047	2,341	697	14,566	14,165	2.8
West North Central	13,474	15,701	3,735	67,486	37,344	80.7
Iowa.....	1,134	1,083	235	5,662	3,205	76.6
Kansas.....	6,370	7,339	2,111	32,796	18,710	75.3
Minnesota.....	1,563	1,483	289	6,950	5,465	27.2
Missouri.....	3,068	4,002	749	14,802	6,258	136.5
Nebraska.....	974	1,185	263	4,850	2,191	121.3
North Dakota.....	—	—	—	—	1	NM
South Dakota.....	366	608	88	2,426	1,513	60.4
South Atlantic	41,105	47,138	30,672	292,542	286,952	1.9
Delaware.....	1,319	1,673	667	8,088	14,356	-43.7
District of Columbia.....	—	—	—	—	—	—
Florida.....	27,475	29,258	27,022	217,327	239,905	-9.4
Georgia.....	3,350	5,026	1,159	19,976	6,862	191.1
Maryland.....	2,566	3,147	623	11,386	9,685	17.6
North Carolina.....	2,132	3,116	433	12,220	3,977	207.3
South Carolina.....	919	1,238	212	5,683	2,343	142.5
Virginia.....	3,324	3,647	541	17,580	9,636	82.4
West Virginia.....	20	34	15	284	188	50.8
East South Central	15,194	18,440	9,542	98,206	70,864	38.6
Alabama.....	4,214	5,130	1,247	23,221	8,768	164.8
Kentucky.....	978	1,060	181	5,269	1,646	220.0
Mississippi.....	8,142	11,127	8,115	63,692	59,023	7.9
Tennessee.....	1,860	1,123	—	6,024	1,427	322.3
West South Central	207,676	241,122	173,959	1,448,218	1,168,749	23.9
Arkansas.....	6,824	8,248	3,376	38,676	21,843	77.1
Louisiana.....	36,598	44,645	30,516	254,862	224,075	13.7
Oklahoma.....	21,198	26,923	14,023	138,667	99,122	39.9
Texas.....	143,056	161,305	126,044	1,016,013	823,709	23.3
Mountain	19,137	24,532	15,751	115,796	96,625	19.8
Arizona.....	6,201	8,186	5,103	27,448	20,691	32.7
Colorado.....	1,543	1,419	667	8,092	4,060	99.3
Idaho.....	—	—	—	—	—	—
Montana.....	69	83	27	404	329	22.7
Nevada.....	6,460	8,819	6,209	43,415	41,962	3.5
New Mexico.....	3,783	4,850	2,834	32,078	25,929	23.7
Utah.....	NM	NM	NM	4,112	3,595	14.4
Wyoming.....	9	1	5	248	59	316.5
Pacific Contiguous	37,380	41,878	60,495	232,454	302,844	-23.2
California.....	31,817	34,626	56,539	208,010	294,099	-29.3
Oregon.....	2,814	3,781	2,765	16,787	6,699	150.6
Washington.....	2,749	3,470	1,191	7,658	2,047	274.1
Pacific Noncontiguous	2,392	2,030	2,289	20,889	25,149	-16.9
Alaska.....	2,392	2,030	2,289	20,889	25,149	-16.9
Hawaii.....	—	—	—	—	—	—
U.S. Total	379,598	457,551	332,781	2,647,451	2,347,356	12.8

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 September 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
June	2,699	110,499	5,056	118,254	14,490	30,056	44,545	683
July	2,672	102,246	4,852	109,770	15,064	31,660	46,724	577
August	2,655	96,384	4,960	103,998	15,093	32,627	47,720	623
September	2,640	96,991	5,070	104,700	14,766	31,281	46,047	562

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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	26,766	27,014	26,329	-0.9	1.7
ERCOT.....	5,507	5,465	4,662	.8	18.1
MAAC.....	7,341	6,841	8,260	7.3	-11.1
MAIN.....	11,310	11,708	11,121	-3.4	1.7
MAPP (U.S.).....	9,659	8,950	10,338	7.9	-6.6
NPCC (U.S.).....	1,600	2,007	1,563	-20.3	2.3
SERC.....	16,065	15,158	14,669	6.0	9.5
FRCC.....	3,143	3,482	2,951	-9.7	NM
SPP.....	11,747	11,628	11,763	1.0	-1
WSCC (U.S.).....	11,563	11,747	10,461	-1.6	10.5
Contiguous U.S.	104,700	103,998	102,118	.7	2.5
ASCC.....	—	—	1	—	—
Hawaii.....	—	—	—	—	—
U.S. Total	104,700	103,998	102,119	.7	2.5

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. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Stocks are end-of-month stocks at electric utilities. •See Glossary for explanation of acronyms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	2,130	2,211	1,461	-3.7	45.7
ERCOT.....	4,385	4,372	4,072	.3	7.7
MAAC.....	6,278	5,894	5,269	6.5	19.1
MAIN.....	1,406	1,482	1,523	-5.1	-7.7
MAPP (U.S.).....	766	835	720	-8.2	6.3
NPCC (U.S.).....	10,625	10,151	9,825	4.7	8.1
SERC.....	2,902	3,252	3,121	-10.8	-7.0
FRCC.....	6,222	7,580	6,310	-17.9	NM
SPP.....	4,704	5,051	3,289	-6.9	43.0
WSCC (U.S.).....	5,630	5,714	7,053	-1.5	-20.2
Contiguous U.S.	45,049	46,543	42,643	-3.2	5.6
ASCC.....	202	201	278	.5	-27.3
Hawaii.....	796	976	976	-18.4	-18.4
U.S. Total	46,047	47,720	43,896	-3.5	4.9

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Monthly Difference (percent)	Yearly Difference (percent)
New England	518	1,079	987	-52.0	-47.6
Connecticut.....	121	159	148	-23.9	-18.4
Maine.....	—	—	—	—	—
Massachusetts.....	151	687	570	-78.1	-73.6
New Hampshire.....	246	233	269	5.7	-8.5
Rhode Island.....	—	—	—	—	—
Vermont.....	—	—	—	—	—
Middle Atlantic	8,796	8,445	9,039	4.2	-2.7
New Jersey.....	492	420	526	17.1	-6.5
New York.....	831	692	642	20.1	29.5
Pennsylvania.....	7,473	7,333	7,871	1.9	-5.1
East North Central	29,116	29,080	27,426	.1	6.2
Illinois.....	5,035	5,346	4,878	-5.8	3.2
Indiana.....	7,002	7,073	5,772	-1.0	21.3
Michigan.....	8,481	8,254	6,248	2.7	35.8
Ohio.....	4,619	4,547	6,163	1.6	-25.0
Wisconsin.....	3,979	3,859	4,366	3.1	-8.9
West North Central	14,972	14,392	14,544	4.0	2.9
Iowa.....	2,778	2,461	2,851	12.8	-2.6
Kansas.....	2,559	2,473	2,205	3.5	16.0
Minnesota.....	1,908	1,778	1,947	7.3	-2.0
Missouri.....	4,075	4,223	3,838	-3.5	6.2
Nebraska.....	1,822	1,643	1,538	10.9	18.5
North Dakota.....	1,662	1,609	1,996	3.3	-16.7
South Dakota.....	169	204	169	-17.3	-5
South Atlantic	16,757	16,805	17,121	-.3	-2.1
Delaware.....	386	336	331	14.9	16.8
District of Columbia.....	—	—	—	—	—
Florida.....	3,351	3,767	3,120	-11.0	7.4
Georgia.....	2,761	2,508	2,605	10.1	6.0
Maryland.....	901	803	999	12.1	-9.9
North Carolina.....	2,331	2,525	2,595	-7.7	-10.2
South Carolina.....	1,873	1,982	1,952	-5.5	-4.1
Virginia.....	1,275	922	991	38.3	28.6
West Virginia.....	3,879	3,961	4,528	-2.1	-14.3
East South Central	10,229	9,733	9,704	5.1	5.4
Alabama.....	3,432	3,107	3,275	10.5	4.8
Kentucky.....	4,086	4,190	4,205	-2.5	-2.8
Mississippi.....	589	602	650	-2.1	-9.4
Tennessee.....	2,122	1,834	1,575	15.7	34.8
West South Central	12,437	12,341	12,185	.8	2.1
Arkansas.....	1,126	1,223	906	-8.0	24.3
Louisiana.....	1,620	1,422	1,494	13.9	8.4
Oklahoma.....	2,248	2,423	2,979	-7.2	-24.5
Texas.....	7,443	7,273	6,806	2.3	9.4
Mountain	10,505	10,684	10,006	-1.7	5.0
Arizona.....	2,059	2,006	1,406	2.6	46.4
Colorado.....	2,792	2,678	2,933	4.3	-4.8
Idaho.....	—	—	—	—	—
Montana.....	415	439	417	-5.3	-4
Nevada.....	867	801	932	8.2	-7.0
New Mexico.....	774	789	830	-1.9	-6.8
Utah.....	2,612	2,672	1,889	-2.3	38.2
Wyoming.....	987	1,299	1,598	-24.0	-38.2
Pacific Contiguous	1,368	1,441	1,107	-5.0	23.7
California.....	—	—	—	—	—
Oregon.....	253	294	186	-14.0	35.9
Washington.....	1,116	1,147	921	-2.7	21.2
Pacific Noncontiguous	—	—	1	—	—
Alaska.....	—	—	1	—	—
Hawaii.....	—	—	—	—	—
U.S. Total	104,700	103,998	102,119	.7	2.5

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. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Stocks are end-of-month stocks at electric utilities. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	September 1998	August 1998	September 1997	Monthly Difference (percent)	Yearly Difference (percent)
New England	3,634	3,940	4,309	-7.8	-15.7
Connecticut.....	2,065	1,864	1,770	10.8	16.7
Maine.....	621	550	222	12.8	179.7
Massachusetts.....	595	1,122	1,881	-47.0	-68.4
New Hampshire.....	312	340	376	-8.2	-17.0
Rhode Island.....	3	24	20	-85.7	-82.6
Vermont.....	38	40	42	-4.1	-8.2
Middle Atlantic	11,249	10,319	8,993	9.0	25.1
New Jersey.....	1,723	1,648	1,455	4.6	18.5
New York.....	6,996	6,215	5,518	12.6	26.8
Pennsylvania.....	2,530	2,456	2,020	3.0	25.2
East North Central	3,170	3,361	2,704	-5.7	17.3
Illinois.....	1,171	1,246	1,289	-6.0	-9.1
Indiana.....	153	160	107	-4.2	43.7
Michigan.....	1,212	1,326	625	-8.6	93.9
Ohio.....	399	380	360	5.0	10.7
Wisconsin.....	235	249	323	-5.8	-27.3
West North Central	1,759	1,742	1,369	1.0	28.5
Iowa.....	144	169	142	-14.9	1.3
Kansas.....	638	594	497	7.5	28.2
Minnesota.....	151	159	166	-5.5	-9.5
Missouri.....	444	424	309	4.9	43.9
Nebraska.....	220	229	123	-3.8	78.2
North Dakota.....	49	55	34	-10.4	43.3
South Dakota.....	113	114	97	-1.1	17.1
South Atlantic	10,508	11,953	10,655	-12.1	-1.4
Delaware.....	498	472	386	5.3	28.9
District of Columbia.....	110	115	118	-3.9	-6.6
Florida.....	6,230	7,590	6,315	-17.9	-1.3
Georgia.....	502	429	414	17.0	21.2
Maryland.....	1,507	1,275	1,324	18.2	13.8
North Carolina.....	293	365	383	-19.8	-23.6
South Carolina.....	444	415	330	7.0	34.6
Virginia.....	813	1,169	1,252	-30.5	-35.1
West Virginia.....	112	122	133	-8.6	-16.0
East South Central	1,953	2,246	1,500	-13.1	30.2
Alabama.....	303	160	270	89.0	12.1
Kentucky.....	184	174	212	5.4	-13.3
Mississippi.....	984	1,267	595	-22.4	65.3
Tennessee.....	483	645	423	-25.1	14.0
West South Central	7,187	7,305	6,095	-1.6	17.9
Arkansas.....	319	304	262	4.9	21.6
Louisiana.....	1,783	1,938	1,096	-8.0	62.7
Oklahoma.....	451	437	383	3.0	17.6
Texas.....	4,636	4,625	4,354	.2	6.5
Mountain	946	968	925	-2.3	2.3
Arizona.....	388	403	418	-3.6	-7.0
Colorado.....	168	161	135	3.8	24.1
Idaho.....	*	*	*	NM	NM
Montana.....	15	14	11	4.2	32.8
Nevada.....	231	235	209	-1.8	10.8
New Mexico.....	66	72	76	-8.1	-12.6
Utah.....	48	50	28	-4.7	67.0
Wyoming.....	30	33	48	-8.2	-37.2
Pacific Contiguous	4,643	4,708	6,092	-1.4	-23.8
California.....	4,404	4,467	5,838	-1.4	-24.6
Oregon.....	188	188	205	-1.1	-8.2
Washington.....	51	53	49	-4.4	2.9
Pacific Noncontiguous	997	1,176	1,254	-15.2	-20.4
Alaska.....	NM	NM	NM	.5	-27.4
Hawaii.....	796	975	976	-18.4	-18.5
U.S. Total	46,047	47,720	43,896	-3.5	4.9

* = 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 September 1998 petroleum coke stocks were 562,267 short tons. •Stocks are end-of-month stocks at electric utilities. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

August 1998 Receipts and Cost Data

At the time of publication, the city of Los Angeles had not reported receipts and costs for fuels delivered in August 1998. Thus, receipt and cost data shown in this issue of the *Electric Power Monthly* include estimates for this utility.

Table 26. U.S. Electric Utility Receipts of and Average Cost for Fossil Fuels, 1988 Through August 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
May.....	76,123	126.0	11,554	215.3	12,185	221.5	252,716	247.1	146.5
June.....	76,493	126.6	13,428	216.7	14,237	222.4	330,939	237.6	149.7
July.....	79,591	125.5	20,875	220.3	21,736	224.1	389,582	249.3	154.7
August.....	82,140	125.8	19,250	202.9	20,095	207.2	390,296	219.3	147.5
Total.....	614,080	126.0	105,835	214.0	111,037	219.5	2,018,443	245.0	146.3
Year-to-Date									
1998 ⁴	614,080	126.0	105,835	214.0	111,037	219.5	2,018,443	245.0	146.3
1997 ⁴	579,167	127.9	68,546	272.8	73,174	283.3	1,876,441	261.7	150.9
1996.....	570,315	129.3	73,233	295.5	78,176	305.1	1,826,431	261.9	153.0

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	August 1998 ¹	July 1998 ¹	August 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	18,532	18,699	17,816	144,806	134,612	7.6
ERCOT.....	7,856	7,451	7,050	53,498	52,002	2.9
MAAC.....	3,970	3,888	3,528	29,793	29,387	1.4
MAIN.....	6,944	6,556	6,713	52,415	54,134	-3.2
MAPP (U.S.).....	7,029	6,889	6,469	52,022	47,919	8.6
NPCC (U.S.).....	1,419	1,225	1,261	10,523	9,734	8.1
SERC.....	14,696	14,154	13,607	107,834	102,664	5.0
FRCC.....	2,155	1,902	2,006	16,109	16,457	NM
SPP.....	8,933	8,944	8,291	68,698	61,929	10.9
WSCC (U.S.).....	10,607	9,886	9,610	78,380	70,330	11.4
Contiguous U.S.	82,140	79,591	76,352	614,080	579,167	6.0
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
U.S. Total	82,140	79,591	76,352	614,080	579,167	6.0

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	August 1998 ¹	July 1998 ¹	August 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	127.0	125.2	122.6	125.3	124.2	0.9
ERCOT.....	105.5	110.1	107.0	116.0	113.3	2.4
MAAC.....	137.1	134.7	137.3	136.2	140.0	-2.8
MAIN.....	135.6	132.4	125.2	133.2	137.4	-3.0
MAPP (U.S.).....	85.8	88.0	91.6	87.7	89.3	-1.8
NPCC (U.S.).....	151.3	154.1	156.3	154.3	156.3	-1.3
SERC.....	140.0	139.4	141.4	140.3	140.5	-2
FRCC.....	170.0	168.7	167.1	167.8	171.0	NM
SPP.....	121.1	121.9	120.4	118.7	124.5	-4.7
WSCC (U.S.).....	109.2	110.7	113.0	110.0	114.9	-4.2
Contiguous U.S.	125.8	125.5	125.2	126.0	127.9	-1.5
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
U.S. Average	125.8	125.5	125.2	126.0	127.9	-1.5

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. •Includes lignite, bituminous coal, subbituminous coal, and anthracite. •Monetary values are expressed in monetary terms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	August 1998 ¹	July 1998 ¹	August 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	368	458	267	2,815	1,811	55.5
ERCOT.....	16	16	7	156	160	-2.3
MAAC.....	3,721	3,366	1,072	12,022	5,311	126.3
MAIN.....	163	226	37	1,031	859	20.0
MAPP (U.S.).....	19	38	25	192	202	-4.7
NPCC (U.S.).....	5,440	6,122	3,966	39,382	31,368	25.5
SERC.....	1,563	657	366	3,640	1,867	95.0
FRCC.....	7,450	8,804	5,050	39,323	23,851	NM
SPP.....	945	1,041	315	7,573	2,632	187.7
WSCC (U.S.).....	36	26	17	331	289	14.4
Contiguous U.S.	19,720	20,755	11,123	106,466	68,351	55.8
ASCC.....	—	—	—	—	—	—
Hawaii.....	375	980	495	4,571	4,823	-5.2
U.S. Total	20,095	21,736	11,618	111,037	73,174	51.7

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	August 1998 ¹	July 1998 ¹	August 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	268.3	295.9	348.6	308.6	400.3	-22.9
ERCOT.....	471.4	471.4	419.1	386.0	486.5	-20.7
MAAC.....	210.5	229.6	268.9	224.4	276.6	-18.9
MAIN.....	310.4	296.6	437.3	282.3	379.1	-25.5
MAPP (U.S.).....	317.0	322.2	445.5	342.9	466.4	-26.5
NPCC (U.S.).....	198.0	215.5	263.0	211.3	269.8	-21.7
SERC.....	217.3	239.1	309.5	239.0	346.5	-31.0
FRCC.....	203.8	221.4	270.3	210.8	262.1	NM
SPP.....	194.8	195.4	280.5	209.2	292.8	-28.5
WSCC (U.S.).....	390.5	395.2	487.9	400.5	535.3	-25.2
Contiguous U.S.	206.7	223.1	272.2	217.5	277.1	-21.5
ASCC.....	—	—	—	—	—	—
Hawaii.....	236.4	244.9	350.8	267.8	371.8	-28.0
U.S. Average	207.2	224.1	275.5	219.5	283.3	-22.5

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. •Monetary values are expressed in monetary terms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	August 1998 ¹	July 1998 ¹	August 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	6,133	5,428	3,106	32,759	21,184	54.6
ERCOT.....	129,799	139,772	114,891	694,278	542,425	28.0
MAAC.....	6,397	8,120	5,238	28,237	35,498	-20.5
MAIN.....	7,457	8,829	4,240	44,532	32,688	36.2
MAPP (U.S.).....	1,435	1,333	620	5,737	5,188	10.6
NPCC (U.S.).....	40,067	33,948	38,605	191,102	223,005	-14.3
SERC.....	9,175	9,524	4,893	39,490	21,132	86.9
FRCC.....	23,349	24,154	29,550	156,627	202,027	NM
SPP.....	108,285	111,959	91,238	543,889	463,322	17.4
WSCC (U.S.).....	57,276	46,064	67,007	273,917	320,908	-14.6
Contiguous U.S.	389,372	389,131	359,388	2,010,569	1,867,376	7.7
ASCC.....	923	451	631	7,873	9,065	-13.1
Hawaii.....	—	—	—	—	—	—
U.S. Total	390,296	389,582	360,018	2,018,443	1,876,441	7.6

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	August 1998 ¹	July 1998 ¹	August 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	230.3	252.6	280.9	249.2	271.1	-8.1
ERCOT.....	205.9	239.3	244.7	231.8	249.5	-7.1
MAAC.....	244.3	294.6	280.1	275.7	285.2	-3.3
MAIN.....	194.9	226.7	238.9	227.2	238.0	-4.5
MAPP (U.S.).....	252.8	269.0	267.7	275.2	276.0	-.3
NPCC (U.S.).....	229.4	259.2	257.5	263.3	269.7	-2.4
SERC.....	240.2	267.9	242.7	262.7	253.6	3.6
FRCC.....	259.6	298.7	284.6	288.2	289.1	NM
SPP.....	203.5	242.2	247.2	235.6	252.5	-6.7
WSCC (U.S.).....	252.5	255.5	253.6	256.9	275.0	-6.6
Contiguous U.S.	219.4	249.4	252.3	245.2	262.2	-6.5
ASCC.....	162.4	164.6	177.4	173.3	162.3	6.7
Hawaii.....	—	—	—	—	—	—
U.S. Average	219.3	249.3	252.2	245.0	261.7	-6.4

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. •Monetary values are expressed in monetary terms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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, August 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	—	—	556	14,220	—	—	—	—	556	14,220
Connecticut.....	—	—	—	—	—	—	—	—	—	—
Maine.....	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	385	9,765	—	—	—	—	385	9,765
New Hampshire.....	—	—	171	4,456	—	—	—	—	171	4,456
Rhode Island.....	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	90	1,286	4,788	120,646	—	—	—	—	4,878	121,932
New Jersey.....	—	—	192	5,021	—	—	—	—	192	5,021
New York.....	—	—	862	22,527	—	—	—	—	862	22,527
Pennsylvania.....	90	1,286	3,734	93,098	—	—	—	—	3,824	94,384
East North Central	—	—	11,076	258,463	7,015	124,119	—	—	18,091	382,582
Illinois.....	—	—	1,608	34,486	1,870	32,878	—	—	3,479	67,364
Indiana.....	—	—	3,628	81,757	1,411	24,706	—	—	5,039	106,463
Michigan.....	—	—	1,031	26,211	1,978	36,178	—	—	3,009	62,388
Ohio.....	—	—	4,495	108,196	51	902	—	—	4,546	109,098
Wisconsin.....	—	—	314	7,814	1,705	29,455	—	—	2,019	37,269
West North Central	—	—	512	11,398	8,762	151,679	2,135	28,244	11,409	191,321
Iowa.....	—	—	165	3,688	1,799	30,323	—	—	1,964	34,011
Kansas.....	—	—	116	2,516	1,396	23,500	—	—	1,511	26,016
Minnesota.....	—	—	25	567	1,485	26,345	—	—	1,510	26,912
Missouri.....	—	—	206	4,627	2,929	51,735	—	—	3,135	56,362
Nebraska.....	—	—	—	—	978	16,713	—	—	978	16,713
North Dakota.....	—	—	—	—	—	—	2,135	28,244	2,135	28,244
South Dakota.....	—	—	—	—	175	3,063	—	—	175	3,063
South Atlantic	—	—	13,515	337,441	686	11,994	—	—	14,201	349,436
Delaware.....	—	—	242	6,249	—	—	—	—	242	6,249
District of Columbia.....	—	—	—	—	—	—	—	—	—	—
Florida.....	—	—	2,359	57,859	114	1,987	—	—	2,473	59,846
Georgia.....	—	—	2,254	56,468	572	10,008	—	—	2,826	66,475
Maryland.....	—	—	860	22,348	—	—	—	—	860	22,348
North Carolina.....	—	—	2,641	65,730	—	—	—	—	2,641	65,730
South Carolina.....	—	—	1,104	28,319	—	—	—	—	1,104	28,319
Virginia.....	—	—	1,085	27,254	—	—	—	—	1,085	27,254
West Virginia.....	—	—	2,970	73,215	—	—	—	—	2,970	73,215
East South Central	—	—	7,435	177,919	1,320	23,262	—	—	8,756	201,180
Alabama.....	—	—	2,071	50,702	568	9,676	—	—	2,639	60,378
Kentucky.....	—	—	3,059	70,971	—	—	—	—	3,059	70,971
Mississippi.....	—	—	217	5,257	334	6,247	—	—	551	11,504
Tennessee.....	—	—	2,089	50,989	418	7,338	—	—	2,507	58,327
West South Central	—	—	192	4,068	8,366	143,747	5,085	66,087	13,642	213,902
Arkansas.....	—	—	—	—	1,401	24,154	—	—	1,401	24,154
Louisiana.....	—	—	—	—	1,011	17,363	327	4,439	1,338	21,802
Oklahoma.....	—	—	9	239	1,680	28,887	—	—	1,689	29,126
Texas.....	—	—	182	3,830	4,275	73,343	4,758	61,648	9,215	138,820
Mountain	—	—	3,819	84,364	5,891	105,436	25	338	9,734	190,139
Arizona.....	—	—	835	18,301	873	16,835	—	—	1,708	35,136
Colorado.....	—	—	609	13,154	845	15,348	—	—	1,453	28,502
Idaho.....	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	851	14,509	25	338	876	14,847
Nevada.....	—	—	766	17,212	—	—	—	—	766	17,212
New Mexico.....	—	—	—	—	1,468	26,622	—	—	1,468	26,622
Utah.....	—	—	1,348	30,427	—	—	—	—	1,348	30,427
Wyoming.....	—	—	261	5,269	1,854	32,123	—	—	2,115	37,392
Pacific Contiguous	—	—	—	—	873	14,444	—	—	873	14,444
California.....	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	211	3,688	—	—	211	3,688
Washington.....	—	—	—	—	662	10,756	—	—	662	10,756
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—
U.S. Total	90	1,286	41,894	1,008,519	32,913	574,680	7,244	94,670	82,140	1,679,156

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	August 1998 Receipts		August 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	556	14,220	474	12,207	119,003	119,720	167.3	171.6
Connecticut	—	—	87	2,303	11,906	18,141	181.0	190.9
Maine	—	—	—	—	—	—	—	—
Massachusetts	385	9,765	236	5,986	82,423	72,652	167.2	170.6
New Hampshire	171	4,456	151	3,919	24,674	28,926	160.8	162.0
Rhode Island	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—
Middle Atlantic	4,878	121,932	4,493	111,893	909,365	884,735	138.3	138.5
New Jersey	192	5,021	73	1,887	34,963	32,925	160.5	176.5
New York	862	22,527	787	20,639	153,100	132,162	144.1	142.4
Pennsylvania	3,824	94,384	3,633	89,367	721,302	719,648	136.0	136.1
East North Central	18,091	382,582	17,220	365,378	2,918,397	2,806,596	131.0	131.5
Illinois	3,479	67,364	3,077	59,707	503,575	540,565	161.9	160.7
Indiana	5,039	106,463	4,450	94,088	797,381	725,019	112.5	116.4
Michigan	3,009	62,388	3,063	63,979	478,841	414,963	133.2	137.6
Ohio	4,546	109,098	4,434	105,529	851,934	824,646	136.9	130.6
Wisconsin	2,019	37,269	2,197	42,076	286,665	301,403	107.5	109.4
West North Central	11,409	191,321	10,813	181,859	1,483,855	1,332,703	89.8	92.2
Iowa	1,964	34,011	1,296	22,852	238,916	191,807	89.4	94.0
Kansas	1,511	26,016	1,608	28,083	216,189	192,876	98.6	105.0
Minnesota	1,510	26,912	1,703	30,136	207,021	205,230	109.9	111.9
Missouri	3,135	56,362	3,060	55,170	459,988	395,112	91.6	93.4
Nebraska	978	16,713	955	16,440	133,350	125,000	58.6	59.1
North Dakota	2,135	28,244	2,052	26,756	205,894	201,109	77.0	76.3
South Dakota	175	3,063	139	2,421	22,496	21,570	92.4	92.6
South Atlantic	14,201	349,436	12,899	317,977	2,588,898	2,411,546	145.3	148.1
Delaware	242	6,249	140	3,640	30,207	31,177	157.1	159.7
District of Columbia	—	—	—	—	—	—	—	—
Florida	2,473	59,846	2,274	55,197	450,807	441,097	166.5	174.0
Georgia	2,826	66,475	2,345	55,375	490,283	432,138	154.7	158.5
Maryland	860	22,348	828	21,431	185,749	167,529	145.9	151.4
North Carolina	2,641	65,730	2,492	61,914	453,959	430,722	144.4	143.7
South Carolina	1,104	28,319	983	25,341	220,313	197,392	144.7	144.8
Virginia	1,085	27,254	1,091	27,342	207,172	193,652	138.2	139.4
West Virginia	2,970	73,215	2,744	67,738	550,409	517,839	122.2	123.9
East South Central	8,756	201,180	8,812	204,501	1,549,845	1,568,563	124.7	124.1
Alabama	2,639	60,378	2,598	59,907	452,659	458,103	156.0	155.0
Kentucky	3,059	70,971	3,506	81,439	588,767	602,951	105.5	104.4
Mississippi	551	11,504	601	12,937	88,565	84,398	152.6	154.8
Tennessee	2,508	58,327	2,107	50,218	419,855	423,111	112.2	112.5
West South Central	13,642	213,902	12,030	185,375	1,500,069	1,412,116	125.4	126.5
Arkansas	1,401	24,154	1,102	19,296	159,594	138,025	151.3	167.2
Louisiana	1,338	21,802	1,131	18,237	147,591	145,120	143.0	146.9
Oklahoma	1,689	29,126	1,469	25,379	231,226	215,673	92.0	92.2
Texas	9,215	138,820	8,329	122,462	961,658	913,298	126.5	125.3
Mountain	9,734	190,139	8,935	172,931	1,422,661	1,307,182	108.3	112.8
Arizona	1,708	35,136	1,409	28,813	253,396	213,437	133.1	145.6
Colorado	1,454	28,502	1,428	28,189	232,291	217,140	99.3	103.2
Idaho	—	—	—	—	—	—	—	—
Montana	876	14,847	913	15,520	115,387	92,998	70.2	68.3
Nevada	766	17,212	664	14,698	114,725	98,057	136.3	140.2
New Mexico	1,468	26,622	1,508	27,168	186,105	195,892	133.0	135.7
Utah	1,348	30,427	999	22,791	222,925	226,052	117.8	114.2
Wyoming	2,115	37,392	2,014	35,753	297,833	263,607	75.9	81.3
Pacific Contiguous	873	14,444	675	11,140	87,037	51,482	137.8	168.0
California	—	—	—	—	—	—	—	—
Oregon	211	3,688	138	2,416	21,206	5,183	108.9	114.7
Washington	662	10,756	537	8,725	65,831	46,299	147.1	174.0
Pacific Noncontiguous	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—
U.S. Total	82,140	1,679,156	76,352	1,563,261	12,579,131	11,894,642	126.0	127.9

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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, August 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	8	192.6	50.63	409	158.8	40.09	115	166.3	43.90
Connecticut.....	—	—	—	—	—	—	—	—	—
Maine.....	—	—	—	—	—	—	—	—	—
Massachusetts.....	8	192.6	50.63	354	160.4	40.49	8	161.5	42.64
New Hampshire.....	—	—	—	55	148.2	37.53	107	166.6	43.99
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
Middle Atlantic	65	111.4	15.09	558	158.2	39.36	594	145.0	37.03
New Jersey.....	—	—	—	144	162.5	42.98	8	137.8	34.01
New York.....	—	—	—	206	173.0	44.06	40	143.0	37.44
Pennsylvania.....	65	111.4	15.09	208	138.9	32.18	546	145.3	37.05
East North Central	7,012	139.5	24.76	4,070	138.5	32.67	1,027	128.4	30.19
Illinois.....	1,900	210.0	37.11	435	161.7	35.50	53	129.2	26.34
Indiana.....	1,411	108.9	19.07	661	137.8	31.50	582	118.6	26.14
Michigan.....	2,014	130.1	23.92	610	158.0	39.62	53	140.3	36.64
Ohio.....	51	119.7	21.14	2,166	129.3	30.90	302	140.6	36.69
Wisconsin.....	1,636	95.4	16.48	197	131.0	28.30	38	139.2	36.72
West North Central	7,885	86.6	14.97	3,045	87.7	13.11	222	110.8	18.77
Iowa.....	1,785	84.9	14.43	99	94.7	17.92	2	139.9	36.92
Kansas.....	1,445	96.8	16.43	30	125.1	27.83	—	—	—
Minnesota.....	926	103.7	18.49	559	111.9	19.69	25	154.5	34.63
Missouri.....	2,751	86.8	15.19	199	109.0	21.57	44	143.7	34.21
Nebraska.....	978	57.8	9.88	—	—	—	—	—	—
North Dakota.....	—	—	—	1,983	73.6	9.70	151	82.0	11.40
South Dakota.....	—	—	—	175	90.4	15.82	—	—	—
South Atlantic	762	149.6	26.35	6,848	150.2	37.46	3,519	147.6	37.38
Delaware.....	—	—	—	158	165.0	42.18	84	143.6	37.92
District of Columbia.....	—	—	—	—	—	—	—	—	—
Florida.....	190	146.4	26.32	890	165.8	41.14	626	179.7	45.45
Georgia.....	572	150.7	26.36	1,568	155.7	39.03	447	151.0	37.64
Maryland.....	—	—	—	272	140.1	35.43	379	145.9	38.51
North Carolina.....	—	—	—	1,985	147.4	36.74	656	137.8	34.15
South Carolina.....	—	—	—	243	146.8	37.67	573	145.1	37.02
Virginia.....	—	—	—	623	139.9	34.99	413	134.3	34.14
West Virginia.....	—	—	—	1,109	141.8	34.72	341	126.4	31.61
East South Central	1,571	119.6	22.12	2,351	154.7	38.07	906	118.1	28.98
Alabama.....	623	121.0	21.17	1,084	191.6	47.81	50	144.8	35.77
Kentucky.....	108	131.8	31.22	888	116.6	28.18	372	107.3	25.91
Mississippi.....	334	145.4	27.21	92	198.0	48.94	114	141.2	33.60
Tennessee.....	506	97.4	17.99	287	115.6	28.44	370	118.3	29.72
West South Central	9,497	130.6	21.80	1,045	118.7	16.49	2,480	74.2	9.90
Arkansas.....	1,401	152.3	26.27	—	—	—	—	—	—
Louisiana.....	989	146.1	24.93	345	139.2	19.63	—	—	—
Oklahoma.....	1,680	90.0	15.49	—	—	—	—	—	—
Texas.....	5,428	134.9	22.04	700	108.5	14.95	2,480	74.2	9.90
Mountain	4,991	101.8	20.21	4,743	114.1	21.89	—	—	—
Arizona.....	623	151.6	30.04	1,085	117.8	24.75	—	—	—
Colorado.....	1,371	97.2	18.94	82	104.5	22.82	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—
Montana.....	87	52.9	8.38	789	61.1	10.44	—	—	—
Nevada.....	680	131.1	29.26	86	143.7	33.99	—	—	—
New Mexico.....	—	—	—	1,468	130.8	23.72	—	—	—
Utah.....	1,036	105.3	23.59	312	146.7	33.91	—	—	—
Wyoming.....	1,195	54.8	9.34	920	108.4	20.11	—	—	—
Pacific Contiguous	354	113.6	20.41	519	141.3	22.01	—	—	—
California.....	—	—	—	—	—	—	—	—	—
Oregon.....	211	108.2	18.92	—	—	—	—	—	—
Washington.....	143	121.1	22.61	519	141.3	22.01	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—
U. S. Total	32,145	116.7	20.63	23,587	135.8	29.24	8,865	128.3	27.59

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report on 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, August 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	16	161.4	42.68	9	161.4	43.04	—	—	—	161.0	41.15
Connecticut.....	—	—	—	—	—	—	—	—	—	—	—
Maine.....	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	16	161.4	42.68	—	—	—	—	—	—	161.1	40.82
New Hampshire.....	—	—	—	9	161.4	43.04	—	—	—	160.6	41.87
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	1,489	132.9	33.77	1,271	132.1	33.74	902	142.7	34.37	138.7	34.66
New Jersey.....	—	—	—	39	180.1	45.94	—	—	—	165.0	43.20
New York.....	343	136.7	35.91	144	139.3	36.82	129	132.1	34.90	145.2	37.93
Pennsylvania.....	1,145	131.7	33.12	1,087	129.4	32.89	773	144.6	34.28	135.7	33.50
East North Central	1,156	121.0	29.69	2,363	110.6	25.06	2,463	143.1	32.59	133.7	28.27
Illinois.....	94	112.9	23.19	624	104.9	22.36	373	129.3	27.52	168.8	32.70
Indiana.....	358	113.8	25.72	1,151	99.8	22.76	876	105.1	23.37	111.6	23.58
Michigan.....	202	127.9	33.49	38	133.6	35.17	92	129.9	33.71	137.0	28.41
Ohio.....	355	114.5	30.02	548	136.4	32.11	1,123	176.5	41.36	141.0	33.84
Wisconsin.....	145	147.5	37.56	3	188.7	50.09	—	—	—	106.0	19.57
West North Central	5	118.1	26.43	108	114.8	25.35	143	117.2	26.84	88.3	14.80
Iowa.....	5	118.1	26.43	61	110.2	24.01	13	118.1	28.30	86.9	15.05
Kansas.....	—	—	—	7	121.6	29.33	29	102.7	22.70	97.8	16.83
Minnesota.....	—	—	—	—	—	—	—	—	—	107.8	19.20
Missouri.....	—	—	—	39	120.7	26.73	102	121.0	27.83	91.3	16.42
Nebraska.....	—	—	—	—	—	—	—	—	—	57.8	9.88
North Dakota.....	—	—	—	—	—	—	—	—	—	74.2	9.82
South Dakota.....	—	—	—	—	—	—	—	—	—	90.4	15.82
South Atlantic	1,487	134.4	33.81	587	156.7	37.83	997	109.7	27.00	145.3	35.74
Delaware.....	—	—	—	—	—	—	—	—	—	157.4	40.70
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—
Florida.....	104	163.3	40.49	530	158.9	37.99	133	165.8	40.70	166.8	40.37
Georgia.....	230	153.8	38.72	9	133.7	33.86	—	—	—	153.9	36.21
Maryland.....	170	150.7	39.16	39	137.7	36.79	—	—	—	144.7	37.59
North Carolina.....	—	—	—	—	—	—	—	—	—	145.0	36.10
South Carolina.....	278	142.7	37.03	9	147.2	36.95	—	—	—	144.9	37.16
Virginia.....	49	141.4	33.95	—	—	—	—	—	—	137.8	34.62
West Virginia.....	656	114.2	28.28	—	—	—	864	101.0	24.90	122.0	30.08
East South Central	819	129.6	32.10	1,619	113.9	27.00	1,491	98.4	22.05	125.9	28.94
Alabama.....	289	157.3	38.24	427	130.6	31.47	166	108.4	25.33	158.2	36.18
Kentucky.....	38	107.7	25.36	402	106.8	24.96	1,251	95.4	21.12	106.3	24.66
Mississippi.....	—	—	—	10	130.6	32.80	—	—	—	154.5	32.28
Tennessee.....	492	115.4	29.02	779	108.0	25.53	73	122.2	30.55	110.9	25.79
West South Central	610	99.2	12.15	—	—	—	9	103.2	26.26	119.9	18.80
Arkansas.....	—	—	—	—	—	—	—	—	—	152.3	26.27
Louisiana.....	4	131.0	17.99	—	—	—	—	—	—	144.5	23.54
Oklahoma.....	—	—	—	—	—	—	9	103.2	26.26	90.1	15.55
Texas.....	606	98.9	12.11	—	—	—	—	—	—	116.7	17.58
Mountain	—	—	—	—	—	—	—	—	—	107.7	21.03
Arizona.....	—	—	—	—	—	—	—	—	—	129.7	26.68
Colorado.....	—	—	—	—	—	—	—	—	—	97.7	19.16
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	60.3	10.23
Nevada.....	—	—	—	—	—	—	—	—	—	132.6	29.79
New Mexico.....	—	—	—	—	—	—	—	—	—	130.8	23.72
Utah.....	—	—	—	—	—	—	—	—	—	115.1	25.98
Wyoming.....	—	—	—	—	—	—	—	—	—	79.3	14.02
Pacific Contiguous	—	—	—	—	—	—	—	—	—	129.1	21.36
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	108.2	18.92
Washington.....	—	—	—	—	—	—	—	—	—	136.3	22.14
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—
U. S. Total	5,581	128.4	30.35	5,956	121.2	28.73	6,006	125.7	29.16	125.8	25.72

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 37. Electric Utility Receipts of Petroleum by Type, Census Division, and State, August 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	6	37	—	—	—	—	2,837	18,043	2,843	18,080
Connecticut	4	21	—	—	—	—	1,162	7,409	1,166	7,430
Maine	—	—	—	—	—	—	473	3,014	473	3,014
Massachusetts	2	9	—	—	—	—	1,051	6,679	1,053	6,688
New Hampshire	1	7	—	—	—	—	150	941	152	948
Rhode Island	—	—	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	148	860	—	—	—	—	4,795	30,366	4,966	31,362
New Jersey	7	40	—	—	—	—	31	196	62	371
New York	5	28	—	—	—	—	2,592	16,390	2,597	16,418
Pennsylvania	136	792	—	—	—	—	2,172	13,781	2,308	14,573
East North Central	137	791	—	—	—	—	334	2,095	470	2,886
Illinois	22	130	—	—	—	—	133	834	156	964
Indiana	40	232	—	—	—	—	—	—	40	232
Michigan	39	228	—	—	—	—	200	1,260	240	1,488
Ohio	30	176	—	—	—	—	—	—	30	176
Wisconsin	4	25	—	—	—	—	—	—	4	25
West North Central	38	221	—	—	—	—	—	—	38	221
Iowa	8	48	—	—	—	—	—	—	8	48
Kansas	15	89	—	—	—	—	—	—	15	89
Minnesota	3	16	—	—	—	—	—	—	3	16
Missouri	8	43	—	—	—	—	—	—	8	43
Nebraska	3	15	—	—	—	—	—	—	3	15
North Dakota	2	9	—	—	—	—	—	—	2	9
South Dakota	—	—	—	—	—	—	—	—	—	—
South Atlantic	340	1,981	123	711	—	—	9,880	62,783	10,344	65,475
Delaware	10	58	—	—	—	—	429	2,724	439	2,782
District of Columbia	1	6	119	710	—	—	—	—	120	716
Florida	87	509	4	1	—	—	7,375	46,912	7,466	47,422
Georgia	108	631	—	—	—	—	—	—	108	631
Maryland	23	135	—	—	—	—	771	4,907	794	5,043
North Carolina	51	299	—	—	—	—	—	—	51	299
South Carolina	6	33	—	—	—	—	—	—	6	33
Virginia	7	43	—	—	—	—	1,306	8,240	1,313	8,283
West Virginia	46	267	—	—	—	—	—	—	46	267
East South Central	84	495	—	—	—	—	842	5,563	926	6,058
Alabama	21	126	—	—	—	—	—	—	21	126
Kentucky	12	72	—	—	—	—	—	—	12	72
Mississippi	12	73	—	—	—	—	842	5,563	854	5,636
Tennessee	38	225	—	—	—	—	—	—	38	225
West South Central	31	183	—	—	—	—	66	432	97	615
Arkansas	12	73	—	—	—	—	—	—	12	73
Louisiana	3	18	—	—	—	—	66	432	69	449
Oklahoma	—	—	—	—	—	—	—	—	—	—
Texas	16	93	—	—	—	—	—	—	16	93
Mountain	36	208	—	—	—	—	—	—	36	208
Arizona	17	96	—	—	—	—	—	—	17	96
Colorado	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	4	24	—	—	—	—	—	—	4	24
Nevada	—	—	—	—	—	—	—	—	—	—
New Mexico	2	11	—	—	—	—	—	—	2	11
Utah	5	29	—	—	—	—	—	—	5	29
Wyoming	8	47	—	—	—	—	—	—	8	47
Pacific Contiguous	—	—	—	—	—	—	—	—	—	—
California	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	375	2,361	375	2,361
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	375	2,361	375	2,361
U.S. Total	820	4,776	123	711	—	—	19,127	121,642	20,095	127,265

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

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	August 1998 Receipts		August 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	2,843	18,080	2,664	17,034	167,538	146,392	210.8	267.9
Connecticut	1,166	7,430	1,004	6,434	65,237	58,869	225.0	289.6
Maine	473	3,014	47	300	14,489	8,328	214.2	262.5
Massachusetts	1,053	6,688	1,613	10,300	77,583	72,578	199.5	251.8
New Hampshire	152	948	—	—	10,217	6,617	200.9	257.7
Rhode Island	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	11	—	376.5	—
Middle Atlantic	4,966	31,362	2,143	13,587	125,296	75,031	218.0	275.0
New Jersey	62	371	331	2,087	7,284	5,899	250.4	278.7
New York	2,597	16,418	1,302	8,238	82,943	53,569	212.3	275.3
Pennsylvania	2,308	14,573	510	3,262	35,070	15,563	224.7	272.7
East North Central	470	2,886	212	1,293	20,679	13,508	293.8	379.8
Illinois	156	964	31	182	6,101	4,865	279.4	371.8
Indiana	40	232	19	112	1,810	1,635	335.4	458.5
Michigan	240	1,488	134	839	10,760	4,964	285.7	334.6
Ohio	30	176	22	127	1,847	1,725	341.4	441.7
Wisconsin	4	25	5	32	161	319	363.2	466.3
West North Central	38	221	73	448	2,429	4,282	319.7	334.0
Iowa	8	48	3	17	513	406	333.4	440.4
Kansas	15	89	20	130	595	2,349	342.7	256.3
Minnesota	3	16	2	14	205	154	353.8	487.0
Missouri	8	43	31	192	782	798	271.5	373.8
Nebraska	3	15	*	2	73	50	355.4	474.3
North Dakota	2	9	16	93	261	524	347.5	480.3
South Dakota	—	—	—	—	—	—	—	—
South Atlantic	10,344	65,475	5,714	36,427	307,322	176,086	214.1	268.7
Delaware	439	2,782	126	804	8,036	6,146	229.6	269.4
District of Columbia	120	716	10	58	2,428	820	252.2	355.8
Florida	7,466	47,422	5,050	32,339	250,859	153,007	210.9	262.2
Georgia	108	631	77	460	1,766	1,289	331.4	412.1
Maryland	794	5,043	99	629	23,623	5,437	213.8	288.0
North Carolina	52	299	30	174	1,780	1,433	315.5	428.9
South Carolina	6	33	10	56	368	631	350.1	460.3
Virginia	1,313	8,283	228	1,417	17,206	5,881	212.5	269.7
West Virginia	46	267	84	491	1,254	1,442	375.7	455.9
East South Central	926	6,058	255	1,664	44,910	13,439	209.5	316.4
Alabama	21	126	8	47	431	1,045	300.1	411.1
Kentucky	12	72	7	43	846	971	390.5	489.3
Mississippi	854	5,636	232	1,525	43,094	10,714	203.7	282.5
Tennessee	38	225	8	50	539	709	312.7	451.8
West South Central	97	615	44	265	6,434	4,454	256.3	371.5
Arkansas	12	73	7	40	367	337	390.5	475.3
Louisiana	69	449	17	103	4,927	2,986	220.6	319.6
Oklahoma	—	—	12	68	—	98	—	442.1
Texas	16	93	9	54	1,139	1,033	367.8	480.9
Mountain	36	208	16	92	1,440	1,527	430.9	538.9
Arizona	17	96	4	21	613	564	439.5	534.7
Colorado	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Montana	4	24	1	6	59	59	473.8	543.8
Nevada	—	—	2	12	130	180	390.8	507.7
New Mexico	2	11	—	—	160	149	456.3	600.8
Utah	5	29	2	12	180	106	430.6	593.6
Wyoming	8	47	7	42	298	470	408.6	523.5
Pacific Contiguous	—	—	1	6	506	169	314.0	502.0
California	—	—	—	—	432	—	297.6	—
Oregon	—	—	—	—	—	102	—	490.2
Washington	—	—	1	6	74	66	409.0	520.3
Pacific Noncontiguous	375	2,361	495	3,103	28,613	30,252	267.8	371.8
Alaska	—	—	—	—	—	—	—	—
Hawaii	375	2,361	495	3,103	28,613	30,252	267.8	371.8
U.S. Total	20,095	127,265	11,618	73,919	705,166	465,139	219.5	283.3

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 August 1998 petroleum coke receipts were 355,822 short tons and the cost was 61.6 cents per million Btu. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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, August 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	1,210	184.0	11.72	1,626	209.7	13.32	286.1	16.58	—	—	198.7	12.64
Connecticut.....	536	196.4	12.59	626	219.3	13.92	284.1	16.47	—	—	208.7	13.31
Maine.....	—	—	—	473	213.9	13.64	—	—	—	—	213.9	13.64
Massachusetts.....	674	174.1	11.04	377	209.0	13.33	298.0	17.25	—	—	186.7	11.86
New Hampshire.....	—	—	—	150	156.6	9.79	277.0	16.03	—	—	156.6	9.79
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	1,323	182.1	11.49	3,472	212.4	13.47	273.4	15.91	—	—	204.0	12.92
New Jersey.....	11	187.0	12.06	20	248.6	15.66	299.3	16.72	—	—	225.6	14.34
New York.....	1,312	182.1	11.49	1,280	211.4	13.40	386.5	21.98	—	—	196.6	12.43
Pennsylvania.....	—	—	—	2,172	212.6	13.49	268.1	15.65	—	—	212.6	13.49
East North Central	—	—	—	334	261.2	16.40	322.1	18.64	—	—	261.2	16.40
Illinois.....	—	—	—	133	312.7	19.55	308.4	17.97	—	—	312.7	19.55
Indiana.....	—	—	—	—	—	—	316.7	18.25	—	—	—	—
Michigan.....	—	—	—	200	227.2	14.31	324.2	18.72	—	—	227.2	14.31
Ohio.....	—	—	—	—	—	—	337.4	19.56	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	317.6	18.67	—	—	—	—
West North Central	—	—	—	—	—	—	307.2	17.76	—	—	—	—
Iowa.....	—	—	—	—	—	—	322.4	18.47	—	—	—	—
Kansas.....	—	—	—	—	—	—	318.1	18.47	—	—	—	—
Minnesota.....	—	—	—	—	—	—	320.7	18.50	—	—	—	—
Missouri.....	—	—	—	—	—	—	262.7	15.16	—	—	—	—
Nebraska.....	—	—	—	—	—	—	303.3	17.52	—	—	—	—
North Dakota.....	—	—	—	—	—	—	313.4	18.43	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	4,138	196.7	12.53	5,742	204.4	12.97	306.3	17.84	237.6	13.73	201.2	12.78
Delaware.....	360	217.2	13.81	69	229.4	14.48	280.6	16.34	—	—	219.2	13.92
District of Columbia.....	—	—	—	—	—	—	256.6	15.02	237.5	14.18	—	—
Florida.....	3,007	199.9	12.73	4,367	204.6	13.00	322.0	18.76	323.3	.82	202.7	12.89
Georgia.....	—	—	—	—	—	—	315.1	18.33	—	—	—	—
Maryland.....	771	174.6	11.11	—	—	—	266.9	15.60	—	—	174.6	11.11
North Carolina.....	—	—	—	—	—	—	285.0	16.53	—	—	—	—
South Carolina.....	—	—	—	—	—	—	301.7	17.52	—	—	—	—
Virginia.....	—	—	—	1,306	202.2	12.76	291.0	17.04	—	—	202.2	12.76
West Virginia.....	—	—	—	—	—	—	308.9	18.07	—	—	—	—
East South Central	—	—	—	842	187.6	12.40	294.8	17.34	—	—	187.6	12.40
Alabama.....	—	—	—	—	—	—	266.9	15.68	—	—	—	—
Kentucky.....	—	—	—	—	—	—	363.7	21.35	—	—	—	—
Mississippi.....	—	—	—	842	187.6	12.40	300.0	17.78	—	—	187.6	12.40
Tennessee.....	—	—	—	—	—	—	286.7	16.85	—	—	—	—
West South Central	—	—	—	66	219.2	14.36	409.2	23.93	—	—	219.2	14.36
Arkansas.....	—	—	—	—	—	—	365.2	21.58	—	—	—	—
Louisiana.....	—	—	—	66	219.2	14.36	263.4	15.49	—	—	219.2	14.36
Oklahoma.....	—	—	—	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	471.4	27.32	—	—	—	—
Mountain	—	—	—	—	—	—	390.5	22.73	—	—	—	—
Arizona.....	—	—	—	—	—	—	377.8	21.90	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	419.8	24.86	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	382.4	21.84	—	—	—	—
Utah.....	—	—	—	—	—	—	394.9	23.22	—	—	—	—
Wyoming.....	—	—	—	—	—	—	400.9	23.28	—	—	—	—
Pacific Contiguous	—	—	—	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	375	236.4	14.90	—	—	—	—	—	—	—	236.4	14.90
Alaska.....	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	375	236.4	14.90	—	—	—	—	—	—	—	236.4	14.90
U. S. Total	7,046	193.9	12.32	12,081	207.8	13.22	309.3	18.01	237.6	13.73	202.7	12.89

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report on 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, August 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	20	309.2	19.54	324	206.1	13.03	2,342	199.4	12.71
Connecticut.....	—	—	—	324	206.1	13.03	838	209.7	13.41
Maine.....	—	—	—	—	—	—	473	213.9	13.64
Massachusetts.....	20	309.2	19.54	—	—	—	1,031	184.3	11.71
New Hampshire.....	—	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
Middle Atlantic	568	205.2	12.86	731	229.3	14.58	2,146	207.5	13.15
New Jersey.....	20	248.6	15.66	—	—	—	11	187.0	12.06
New York.....	549	203.7	12.76	151	210.7	13.18	542	216.2	13.73
Pennsylvania.....	—	—	—	580	234.1	14.95	1,592	204.7	12.96
East North Central	52	279.9	17.34	10	277.0	16.47	250	259.5	16.32
Illinois.....	52	279.9	17.34	—	—	—	81	333.3	20.96
Indiana.....	—	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	10	277.0	16.47	168	223.8	14.07
Ohio.....	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—
West North Central	—	—	—	—	—	—	—	—	—
Iowa.....	—	—	—	—	—	—	—	—	—
Kansas.....	—	—	—	—	—	—	—	—	—
Minnesota.....	—	—	—	—	—	—	—	—	—
Missouri.....	—	—	—	—	—	—	—	—	—
Nebraska.....	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—
South Atlantic	78	198.2	12.48	10	199.2	12.04	4,801	212.2	13.42
Delaware.....	—	—	—	—	—	—	429	219.2	13.92
District of Columbia.....	—	—	—	—	—	—	119	237.5	14.18
Florida.....	78	198.2	12.48	10	199.2	12.04	3,305	217.7	13.76
Georgia.....	—	—	—	—	—	—	—	—	—
Maryland.....	—	—	—	—	—	—	672	175.3	11.14
North Carolina.....	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—
Virginia.....	—	—	—	—	—	—	277	215.3	13.74
West Virginia.....	—	—	—	—	—	—	—	—	—
East South Central	—	—	—	287	186.3	12.32	—	—	—
Alabama.....	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	287	186.3	12.32	—	—	—
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	—	—	—	375	236.4	14.90	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	375	236.4	14.90	—	—	—
U. S. Total	719	212.7	13.33	1,737	219.3	13.98	9,538	209.2	13.26

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report on 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, August 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	150	156.6	9.79	—	—	—	—	—	—	198.7	12.64
Connecticut.....	—	—	—	—	—	—	—	—	—	208.7	13.31
Maine.....	—	—	—	—	—	—	—	—	—	213.9	13.64
Massachusetts.....	—	—	—	—	—	—	—	—	—	186.7	11.86
New Hampshire.....	150	156.6	9.79	—	—	—	—	—	—	156.6	9.79
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	1,350	184.3	11.70	—	—	—	—	—	—	204.0	12.92
New Jersey.....	—	—	—	—	—	—	—	—	—	225.6	14.34
New York.....	1,350	184.3	11.70	—	—	—	—	—	—	196.6	12.43
Pennsylvania.....	—	—	—	—	—	—	—	—	—	212.6	13.49
East North Central	22	232.0	15.10	—	—	—	—	—	—	261.2	16.40
Illinois.....	—	—	—	—	—	—	—	—	—	312.7	19.55
Indiana.....	—	—	—	—	—	—	—	—	—	—	—
Michigan.....	22	232.0	15.10	—	—	—	—	—	—	227.2	14.31
Ohio.....	—	—	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—	—	—
West North Central	—	—	—	—	—	—	—	—	—	—	—
Iowa.....	—	—	—	—	—	—	—	—	—	—	—
Kansas.....	—	—	—	—	—	—	—	—	—	—	—
Minnesota.....	—	—	—	—	—	—	—	—	—	—	—
Missouri.....	—	—	—	—	—	—	—	—	—	—	—
Nebraska.....	—	—	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	3,089	194.6	12.42	2,025	187.4	11.91	—	—	—	201.6	12.79
Delaware.....	—	—	—	—	—	—	—	—	—	219.2	13.92
District of Columbia.....	—	—	—	—	—	—	—	—	—	237.5	14.18
Florida.....	1,961	193.8	12.45	2,025	187.4	11.91	—	—	—	202.7	12.89
Georgia.....	—	—	—	—	—	—	—	—	—	—	—
Maryland.....	99	169.3	10.90	—	—	—	—	—	—	174.6	11.11
North Carolina.....	—	—	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—	—	—
Virginia.....	1,029	198.6	12.49	—	—	—	—	—	—	202.2	12.76
West Virginia.....	—	—	—	—	—	—	—	—	—	—	—
East South Central	—	—	—	555	188.2	12.44	—	—	—	187.6	12.40
Alabama.....	—	—	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	555	188.2	12.44	—	—	—	187.6	12.40
Tennessee.....	—	—	—	—	—	—	—	—	—	—	—
West South Central	66	219.2	14.36	—	—	—	—	—	—	219.2	14.36
Arkansas.....	—	—	—	—	—	—	—	—	—	—	—
Louisiana.....	66	219.2	14.36	—	—	—	—	—	—	219.2	14.36
Oklahoma.....	—	—	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	—	—	—	—	—
Mountain	—	—	—	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—	—	—	—
Pacific Contiguous	—	—	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	236.4	14.90
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	236.4	14.90
U. S. Total	4,677	191.0	12.16	2,579	187.6	12.02	—	—	—	202.9	12.89

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report on Cost and Quality of Fuels for Electric Plants."

Table 41. Electric Utility Receipts of Gas by Type, Census Division, and State, August 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	6,878	7,074	—	—	—	—	6,878	7,074
Connecticut.....	2,688	2,765	—	—	—	—	2,688	2,765
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	1,932	1,983	—	—	—	—	1,932	1,983
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	2,250	2,318	—	—	—	—	2,250	2,318
Vermont.....	8	8	—	—	—	—	8	8
Middle Atlantic	36,645	37,813	—	—	—	—	36,645	37,813
New Jersey.....	3,386	3,542	—	—	—	—	3,386	3,542
New York.....	33,189	34,198	—	—	—	—	33,189	34,198
Pennsylvania.....	70	72	—	—	—	—	70	72
East North Central	11,410	11,618	2,051	220	—	—	13,461	11,838
Illinois.....	6,831	6,973	—	—	—	—	6,831	6,973
Indiana.....	1,018	1,046	—	—	—	—	1,018	1,046
Michigan.....	2,893	2,922	2,051	220	—	—	4,944	3,141
Ohio.....	84	86	—	—	—	—	84	86
Wisconsin.....	584	591	—	—	—	—	584	591
West North Central	7,838	7,902	—	—	—	—	7,838	7,902
Iowa.....	297	297	—	—	—	—	297	297
Kansas.....	5,366	5,416	—	—	—	—	5,366	5,416
Minnesota.....	480	484	—	—	—	—	480	484
Missouri.....	1,127	1,140	—	—	—	—	1,127	1,140
Nebraska.....	568	566	—	—	—	—	568	566
North Dakota.....	*	*	—	—	—	—	*	*
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic	31,871	33,349	—	—	—	—	31,871	33,349
Delaware.....	1,677	1,647	—	—	—	—	1,677	1,647
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	23,906	25,134	—	—	—	—	23,906	25,134
Georgia.....	2,332	2,391	—	—	—	—	2,332	2,391
Maryland.....	1,286	1,350	—	—	—	—	1,286	1,350
North Carolina.....	420	441	—	—	—	—	420	441
South Carolina.....	79	81	—	—	—	—	79	81
Virginia.....	2,150	2,282	—	—	—	—	2,150	2,282
West Virginia.....	21	21	—	—	—	—	21	21
East South Central	8,994	9,380	—	—	—	—	8,994	9,380
Alabama.....	201	212	—	—	—	—	201	212
Kentucky.....	44	45	—	—	—	—	44	45
Mississippi.....	8,749	9,123	—	—	—	—	8,749	9,123
Tennessee.....	—	—	—	—	—	—	—	—
West South Central	225,246	232,260	—	—	—	—	225,246	232,260
Arkansas.....	4,282	4,341	—	—	—	—	4,282	4,341
Louisiana.....	38,034	39,794	—	—	—	—	38,034	39,794
Oklahoma.....	25,462	26,190	—	—	—	—	25,462	26,190
Texas.....	157,469	161,935	—	—	—	—	157,469	161,935
Mountain	20,723	21,153	—	—	—	—	20,723	21,153
Arizona.....	7,119	7,205	—	—	—	—	7,119	7,205
Colorado.....	599	594	—	—	—	—	599	594
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	9	10	—	—	—	—	9	10
Nevada.....	6,954	7,205	—	—	—	—	6,954	7,205
New Mexico.....	4,960	5,012	—	—	—	—	4,960	5,012
Utah.....	1,081	1,126	—	—	—	—	1,081	1,126
Wyoming.....	1	1	—	—	—	—	1	1
Pacific Contiguous	37,282	37,866	—	—	—	—	37,282	37,866
California.....	33,711	34,256	—	—	—	—	33,711	34,256
Oregon.....	3,570	3,610	—	—	—	—	3,570	3,610
Washington.....	—	—	—	—	—	—	—	—
Pacific Noncontiguous	1,358	1,358	—	—	—	—	1,358	1,358
Alaska.....	1,358	1,358	—	—	—	—	1,358	1,358
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	388,244	399,774	2,051	220	—	—	390,296	399,994

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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	August 1998 Receipts		August 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	6,878	7,074	10,280	10,579	40,940	70,981	290.8	282.2
Connecticut	2,688	2,765	2,367	2,418	9,280	10,734	240.8	236.7
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	1,932	1,983	5,546	5,729	15,471	38,874	281.6	282.3
New Hampshire	—	—	36	36	—	283	—	265.4
Rhode Island	2,250	2,318	2,327	2,392	16,024	21,068	328.5	305.4
Vermont.....	8	8	4	4	165	22	288.7	282.8
Middle Atlantic	36,645	37,813	31,411	32,301	174,926	176,285	257.8	265.9
New Jersey	3,386	3,542	2,662	2,762	15,086	15,865	264.4	280.5
New York.....	33,189	34,198	28,325	29,099	155,717	157,945	256.1	264.1
Pennsylvania	70	72	423	439	4,123	2,475	294.8	284.7
East North Central	13,461	11,838	7,195	5,309	63,758	40,730	232.2	243.3
Illinois	6,831	6,973	3,894	3,954	42,160	30,199	224.4	232.9
Indiana.....	1,018	1,046	393	401	3,848	2,346	278.6	302.3
Michigan	4,944	3,141	2,610	652	13,562	5,178	227.7	237.5
Ohio.....	84	86	53	54	1,210	534	307.0	348.5
Wisconsin.....	584	591	245	248	2,978	2,475	272.8	304.4
West North Central	7,838	7,902	3,604	3,492	29,508	18,346	230.1	243.5
Iowa.....	297	297	228	229	2,407	1,850	307.2	330.4
Kansas.....	5,366	5,416	2,656	2,537	19,984	11,519	219.2	229.2
Minnesota.....	480	484	293	294	1,453	2,531	243.9	232.9
Missouri.....	1,127	1,140	353	358	4,148	1,933	225.7	261.2
Nebraska.....	568	566	73	74	1,515	513	250.7	236.3
North Dakota.....	*	*	*	*	*	1	352.4	313.2
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic	31,871	33,349	34,033	35,566	198,443	240,948	287.9	287.9
Delaware.....	1,677	1,647	1,588	1,648	6,601	14,052	296.7	294.4
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	23,906	25,134	29,790	31,123	166,966	211,308	287.3	289.0
Georgia.....	2,332	2,391	1,006	1,030	8,565	2,535	294.8	252.8
Maryland.....	1,286	1,350	581	606	3,413	4,524	267.3	275.9
North Carolina	420	441	243	252	1,573	883	270.9	294.2
South Carolina	79	81	15	15	392	182	354.8	394.3
Virginia.....	2,150	2,282	799	879	10,790	7,256	291.3	259.7
West Virginia.....	21	21	13	13	143	209	419.8	344.3
East South Central	8,994	9,380	9,521	9,882	40,997	36,322	229.8	246.9
Alabama.....	201	212	73	74	1,308	856	248.7	259.7
Kentucky.....	44	45	56	57	504	430	365.5	331.0
Mississippi.....	8,749	9,123	9,392	9,750	39,184	35,036	227.5	245.6
Tennessee.....	—	—	—	—	—	—	—	—
West South Central	225,246	232,260	196,275	201,491	1,221,745	992,867	233.8	251.2
Arkansas.....	4,282	4,341	2,232	2,297	18,080	11,693	227.2	247.5
Louisiana.....	38,034	39,794	33,459	34,684	200,891	195,571	235.8	254.1
Oklahoma.....	25,462	26,190	20,836	21,471	121,340	92,514	250.1	268.6
Texas.....	157,469	161,935	139,748	143,039	881,434	693,089	231.2	248.2
Mountain	20,723	21,153	15,663	16,004	87,056	76,847	234.4	232.1
Arizona.....	7,119	7,205	4,580	4,645	19,367	15,022	247.2	279.8
Colorado.....	599	594	347	343	2,063	1,402	293.0	349.7
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	9	10	12	13	72	71	330.2	342.8
Nevada.....	6,954	7,205	6,260	6,458	35,190	36,258	232.3	199.0
New Mexico.....	4,960	5,012	3,612	3,669	28,153	22,501	225.3	246.9
Utah.....	1,081	1,126	848	873	2,165	1,537	200.5	176.7
Wyoming.....	1	1	3	3	47	57	811.3	1,302.6
Pacific Contiguous	37,282	37,866	50,837	51,759	191,304	244,400	268.6	290.6
California.....	33,711	34,256	47,699	48,586	177,538	240,356	278.9	292.7
Oregon.....	3,570	3,610	3,138	3,173	13,764	4,030	135.4	150.5
Washington.....	—	—	*	*	2	14	325.9	5,044.5
Pacific Noncontiguous	1,358	1,358	1,200	1,200	11,904	14,016	184.0	168.4
Alaska.....	1,358	1,358	1,200	1,200	11,904	14,016	184.0	168.4
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	390,296	399,994	360,018	367,582	2,060,582	1,911,743	245.0	261.7

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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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 September 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
June.....	98,806	84,249	90,922	8,497	282,474
July.....	121,311	91,009	89,527	8,610	310,456
August.....	120,061	92,473	94,031	9,060	315,625
September.....	106,515	88,227	90,213	9,417	294,372
Year to Date					
1998	874,364	720,025	792,338	75,068	2,461,795
1997	812,748	688,029	775,137	72,875	2,348,789
1996	835,131	673,077	772,931	73,462	2,354,601

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 46. Estimated Coefficients of Variation for U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division and State, September 1998
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.7	0.6	1.0	0.5	0.6
Connecticut.....	.4	.0	.1	.3	.2
Maine.....	.4	.3	3.4	3.7	1.3
Massachusetts.....	1.5	1.3	1.6	.7	1.3
New Hampshire.....	.5	.3	.7	.6	.6
Rhode Island.....	.3	.1	.2	.5	.0
Vermont.....	3.4	.0	7.0	13.6	2.5
Middle Atlantic	3.5	.5	1.5	.6	1.0
New Jersey.....	1.1	.6	.7	.4	.8
New York.....	8.4	.8	3.4	.7	2.4
Pennsylvania.....	3.2	1.1	2.2	1.2	.6
East North Central.....	.8	1.4	1.8	1.4	.4
Illinois.....	1.0	3.3	3.8	1.0	.7
Indiana.....	2.5	2.0	2.3	5.4	1.1
Michigan.....	.3	3.8	9.2	3.4	.3
Ohio.....	2.4	1.0	1.7	4.8	.6
Wisconsin.....	1.3	2.1	2.1	5.2	1.7
West North Central	2.0	1.0	1.4	14.0	.8
Iowa.....	6.1	.9	.6	1.3	1.2
Kansas.....	1.2	3.9	4.0	1.8	.4
Minnesota.....	4.0	3.7	3.3	4.8	3.1
Missouri.....	4.7	1.1	2.8	4.4	.9
Nebraska.....	3.3	.7	1.1	35.1	2.1
North Dakota.....	2.5	4.2	4.4	3.9	.9
South Dakota.....	3.2	1.9	3.3	4.7	1.6
South Atlantic	1.2	.3	.4	1.5	.6
Delaware.....	.3	1.2	.1	1.5	.3
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	1.5	.3	1.6	5.5	.8
Georgia.....	6.2	1.4	.2	3.8	3.3
Maryland.....	.9	.4	.4	3.0	.4
North Carolina.....	.7	.9	1.3	2.4	.6
South Carolina.....	2.7	1.1	.8	2.0	1.5
Virginia.....	2.8	.4	.8	.1	1.3
West Virginia.....	1.9	.7	.1	3.0	.6
East South Central	1.8	.9	1.8	2.0	1.6
Alabama.....	.8	.4	.3	2.9	.2
Kentucky.....	4.1	1.2	6.0	.7	5.3
Mississippi.....	3.9	3.6	2.4	5.7	4.3
Tennessee.....	3.9	1.9	2.4	10.3	2.6
West South Central.....	.9	.5	2.4	2.7	.6
Arkansas.....	1.1	1.1	.4	5.1	.7
Louisiana.....	1.4	.9	2.9	1.4	2.4
Oklahoma.....	4.5	3.4	.5	7.8	2.5
Texas.....	1.0	.4	3.7	3.5	.5
Mountain.....	.7	.7	.7	3.1	.6
Arizona.....	1.0	1.1	1.8	2.3	1.1
Colorado.....	1.5	.2	1.2	2.6	.3
Idaho.....	2.6	.6	.4	3.1	1.1
Montana.....	2.6	2.2	3.3	5.6	1.3
Nevada.....	2.3	1.7	.7	3.3	1.0
New Mexico.....	5.3	4.6	5.9	8.3	5.1
Utah.....	3.1	5.0	1.8	8.5	1.5
Wyoming.....	1.1	1.5	.4	45.9	.3
Pacific Contiguous	1.7	1.3	1.8	6.2	.6
California.....	2.2	1.8	2.3	10.4	.5
Oregon.....	2.5	2.2	7.7	11.5	2.9
Washington.....	2.2	.9	1.9	6.4	1.5
Pacific Noncontiguous.....	.6	.4	1.5	37.3	.6
Alaska.....	1.8	.9	8.1	56.1	1.9
Hawaii.....	.2	.2	.1	.8	.1
U.S. Average.....	.5	.3	.6	1.3	.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.

Sources: 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 September 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
June.....	8,438	6,447	4,240	597	19,722
July.....	10,424	7,024	4,362	605	22,415
August.....	10,294	7,125	4,511	623	22,554
September.....	8,995	6,697	4,184	636	20,512
Year to Date					
1998	72,702	53,927	35,925	5,131	167,685
1997	69,158	52,886	35,515	5,052	162,611
1996	70,019	51,638	35,840	5,092	162,589

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, September 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	346	344	377	396	167	182	15	16	905	938
Connecticut.....	100	95	95	99	38	40	4	4	237	239
Maine.....	37	36	29	27	24	26	1	1	92	90
Massachusetts.....	135	138	185	199	71	79	6	7	397	422
New Hampshire.....	35	36	32	32	19	19	1	1	88	88
Rhode Island.....	22	23	21	26	9	11	2	2	54	62
Vermont.....	16	16	14	13	7	9	*	*	37	38
Middle Atlantic	1,175	1,046	1,162	1,178	431	446	132	127	2,900	2,797
New Jersey.....	272	239	282	275	91	100	7	8	652	622
New York.....	528	494	600	644	105	115	112	106	1,346	1,360
Pennsylvania.....	375	313	280	258	235	231	13	13	902	815
East North Central	1,117	1,026	965	918	807	847	99	94	2,989	2,885
Illinois.....	305	333	322	297	164	213	61	54	852	897
Indiana.....	164	143	102	92	151	147	4	4	421	387
Michigan.....	222	181	225	217	150	150	8	8	605	556
Ohio.....	310	274	237	238	257	256	22	24	825	792
Wisconsin.....	116	95	80	74	85	80	4	4	285	252
West North Central	608	508	380	344	312	296	36	36	1,336	1,184
Iowa.....	93	80	50	45	58	56	8	7	209	188
Kansas.....	100	81	70	68	40	36	3	3	212	188
Minnesota.....	121	98	61	51	111	100	5	4	297	253
Missouri.....	195	165	137	127	67	66	6	5	404	363
Nebraska.....	61	50	36	32	22	21	11	13	130	116
North Dakota.....	16	15	12	10	7	9	2	2	38	35
South Dakota.....	22	19	14	13	8	7	1	1	45	40
South Atlantic	2,102	1,898	1,321	1,285	627	635	113	117	4,162	3,935
Delaware.....	33	28	23	21	16	17	1	1	74	66
District of Columbia.....	14	11	63	63	1	1	2	2	79	77
Florida.....	773	745	394	399	74	77	34	36	1,275	1,257
Georgia.....	308	288	203	198	132	135	10	10	653	631
Maryland.....	177	142	165	157	39	38	6	6	386	343
North Carolina.....	346	297	214	199	161	164	12	13	734	673
South Carolina.....	178	157	103	94	106	104	5	5	392	360
Virginia.....	226	194	126	128	62	65	42	44	456	430
West Virginia.....	46	37	31	27	36	33	1	1	114	98
East South Central	645	548	284	259	463	426	31	28	1,424	1,260
Alabama.....	189	168	90	88	142	121	4	3	424	381
Kentucky.....	111	92	55	49	91	99	15	13	272	253
Mississippi.....	126	111	61	54	58	57	5	5	251	228
Tennessee.....	219	176	78	67	173	149	7	6	477	399
West South Central	1,483	1,448	718	719	584	601	127	125	2,912	2,893
Arkansas.....	121	111	49	56	62	69	4	5	237	241
Louisiana.....	224	223	113	113	114	122	16	16	466	475
Oklahoma.....	151	116	79	71	43	45	16	16	290	247
Texas.....	988	997	476	480	365	365	91	88	1,919	1,930
Mountain	479	465	407	380	234	246	38	37	1,158	1,128
Arizona.....	230	224	165	149	49	65	11	11	455	450
Colorado.....	79	74	82	79	38	38	7	7	206	197
Idaho.....	25	23	24	21	20	19	2	1	70	64
Montana.....	18	17	16	16	16	14	2	1	51	48
Nevada.....	52	50	34	31	49	46	3	3	139	131
New Mexico.....	35	35	42	41	22	22	9	8	107	107
Utah.....	32	33	34	33	22	22	3	3	91	90
Wyoming.....	9	9	11	11	18	20	1	1	40	41
Pacific Contiguous	996	960	1,037	1,033	522	557	42	41	2,598	2,591
California.....	833	808	889	892	394	442	28	27	2,145	2,169
Oregon.....	69	65	60	59	48	44	3	3	181	170
Washington.....	94	88	87	82	81	70	11	11	273	251
Pacific Noncontiguous	44	47	46	48	36	38	2	2	128	136
Alaska.....	14	14	17	17	6	4	1	2	39	37
Hawaii.....	30	33	29	31	30	34	1	1	89	98
U.S. Total	8,995	8,289	6,697	6,560	4,184	4,275	636	621	20,512	19,745

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, September 1998
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	1.1	2.7	2.3	0.8	2.1
Connecticut	.3	.1	.3	.4	.2
Maine	.7	.7	3.7	.5	1.4
Massachusetts	2.8	5.4	5.3	1.6	4.8
New Hampshire	.8	2.9	1.4	2.2	.5
Rhode Island	.8	.4	.1	.4	.5
Vermont	.7	1.2	6.3	12.2	.9
Middle Atlantic	3.9	1.2	1.5	.4	2.0
New Jersey	1.3	.5	.8	.4	.9
New York	7.9	2.0	3.9	.5	4.1
Pennsylvania	4.6	2.5	2.1	.6	1.8
East North Central	1.1	1.1	2.2	1.3	.6
Illinois	3.0	.5	5.4	.3	1.6
Indiana	2.1	1.8	3.1	3.5	1.3
Michigan	.5	4.1	9.8	2.8	1.3
Ohio	2.4	1.6	1.0	5.6	.9
Wisconsin	2.3	1.0	1.7	5.5	1.6
West North Central	2.0	.8	1.6	7.0	.9
Iowa	1.7	1.1	1.3	1.6	.8
Kansas	1.2	3.5	6.9	2.5	.6
Minnesota	4.3	1.4	3.4	2.4	3.2
Missouri	5.2	1.2	2.3	12.0	1.4
Nebraska	3.9	1.2	.9	21.0	1.8
North Dakota	1.5	2.2	4.9	3.8	.9
South Dakota	3.3	.7	4.1	4.5	2.1
South Atlantic	1.5	.4	.7	1.8	.9
Delaware	.4	.9	.6	1.2	.2
District of Columbia	.0	.0	.0	.0	.0
Florida	1.5	.8	3.2	5.9	.8
Georgia	8.6	1.9	.6	3.9	4.9
Maryland	2.0	1.1	.5	1.2	1.6
North Carolina	.4	.3	1.9	1.3	.7
South Carolina	3.9	1.3	1.2	.7	1.8
Virginia	3.8	1.1	2.3	.6	1.7
West Virginia	2.3	1.4	.1	3.6	1.2
East South Central	1.5	.8	1.4	1.2	1.1
Alabama	1.3	.7	.5	.9	.4
Kentucky	4.3	2.0	5.4	.3	3.8
Mississippi	1.7	2.1	2.1	3.0	1.5
Tennessee	3.7	1.8	2.4	4.5	2.3
West South Central	2.2	2.0	1.1	4.2	1.7
Arkansas	1.0	4.3	4.1	11.7	2.9
Louisiana	1.9	2.1	1.9	9.3	1.2
Oklahoma	5.1	2.3	.1	4.7	2.7
Texas	3.1	2.9	1.5	5.6	2.5
Mountain	1.0	.8	2.4	3.8	1.1
Arizona	1.8	1.1	9.1	9.8	2.2
Colorado	.8	1.0	1.6	2.4	.9
Idaho	3.0	1.8	.4	5.7	1.7
Montana	2.0	2.1	2.7	5.1	1.4
Nevada	2.5	1.6	2.3	1.7	2.1
New Mexico	4.5	4.6	14.5	7.3	5.7
Utah	2.9	3.9	2.6	16.2	1.7
Wyoming	1.1	1.7	1.8	25.7	.6
Pacific Contiguous	2.1	.6	.7	4.4	.6
California	2.5	.6	.5	6.4	.7
Oregon	1.3	.5	3.8	3.4	.9
Washington	1.7	1.7	3.3	4.3	1.3
Pacific Noncontiguous	1.2	1.2	1.0	38.4	.8
Alaska	3.8	2.9	6.3	54.1	2.4
Hawaii	.3	.7	.2	1.2	.3
U.S. Average	.8	.4	.6	1.1	.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 52. U.S. Electric Utility Average Revenue per Kilowatthour by Sector,
1988 Through September 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
June.....	8.54	7.65	4.66	7.03	6.98
July.....	8.59	7.72	4.87	7.02	7.22
August.....	8.57	7.70	4.80	6.88	7.15
September.....	8.45	7.59	4.64	6.75	6.97
Year-to-Date Average					
1998 Average	8.31	7.49	4.53	6.84	6.81
1997 Average	8.51	7.69	4.58	6.93	6.92
1996 Average	8.48	7.72	4.66	6.96	6.94

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, September 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	11.2	12.0	10.0	10.9	7.4	8.0	13.6	14.3	9.8	10.5
Connecticut.....	11.8	12.6	10.0	10.4	7.3	7.8	13.8	14.7	10.1	10.6
Maine.....	13.0	12.7	9.8	9.6	5.8	5.7	25.7	24.0	9.1	8.8
Massachusetts.....	10.1	11.3	10.2	11.2	8.0	9.0	13.2	15.6	9.7	10.8
New Hampshire.....	13.8	13.9	11.4	11.6	9.3	9.1	12.7	6.1	11.7	11.6
Rhode Island.....	9.9	11.9	8.5	11.2	7.2	9.0	11.4	12.6	8.8	11.0
Vermont.....	11.0	11.0	9.2	9.2	6.1	6.7	13.8	15.4	9.0	9.1
Middle Atlantic	12.3	12.7	10.7	11.2	5.9	5.9	10.0	10.5	10.0	10.2
New Jersey.....	12.2	12.6	10.0	10.5	7.7	8.0	18.3	18.9	10.4	10.7
New York.....	14.3	14.6	12.9	13.3	5.1	5.1	9.5	10.1	11.6	11.8
Pennsylvania.....	10.4	10.5	8.3	8.6	5.8	5.8	11.8	11.9	8.1	8.1
East North Central	8.5	9.2	7.1	7.6	4.4	4.5	6.6	7.4	6.4	6.7
Illinois.....	9.0	11.6	7.3	8.9	5.0	5.8	6.3	7.5	7.1	8.4
Indiana.....	7.1	7.4	6.1	6.0	4.0	4.0	10.5	9.6	5.4	5.4
Michigan.....	8.9	8.7	7.7	7.7	4.9	4.9	11.5	11.8	7.1	7.0
Ohio.....	9.2	9.5	7.5	7.7	4.2	4.2	6.1	6.2	6.4	6.3
Wisconsin.....	7.1	6.9	5.8	5.6	3.8	3.7	7.2	6.6	5.4	5.1
West North Central	7.7	7.8	6.4	6.5	4.6	4.4	5.8	5.5	6.3	6.2
Iowa.....	8.7	8.7	7.3	7.2	4.4	4.3	6.4	6.5	6.5	6.3
Kansas.....	8.1	7.8	6.4	6.5	4.6	4.5	8.9	8.9	6.6	6.4
Minnesota.....	7.6	7.6	6.5	6.6	4.7	4.3	7.7	7.7	6.0	5.7
Missouri.....	7.3	7.8	6.3	6.5	4.8	5.1	6.7	6.7	6.4	6.7
Nebraska.....	7.4	7.4	5.9	5.9	3.7	3.7	4.6	4.2	5.7	5.5
North Dakota.....	7.2	7.2	6.2	6.6	4.6	4.6	4.6	4.4	6.1	6.0
South Dakota.....	7.3	7.5	6.6	6.8	4.5	4.4	4.5	4.7	6.3	6.4
South Atlantic	8.0	8.2	6.6	6.8	4.4	4.5	6.1	6.1	6.6	6.8
Delaware.....	9.8	10.2	7.5	7.9	4.8	5.0	12.1	13.5	7.3	7.5
District of Columbia.....	9.1	8.8	8.7	9.1	4.9	5.6	6.3	6.8	8.6	8.9
Florida.....	7.8	8.1	6.3	6.6	4.9	5.3	6.9	6.9	7.0	7.3
Georgia.....	7.9	8.4	7.0	7.2	4.6	4.7	9.5	8.7	6.7	6.9
Maryland.....	9.1	9.1	7.6	7.9	4.5	4.7	9.9	10.0	7.7	7.8
North Carolina.....	8.3	8.4	6.6	6.5	5.1	5.1	7.2	7.1	6.8	6.7
South Carolina.....	7.5	7.6	6.3	6.4	3.9	3.9	5.4	5.7	5.8	5.7
Virginia.....	7.6	8.2	5.4	6.0	3.5	4.0	4.7	4.9	5.7	6.1
West Virginia.....	6.4	6.5	5.5	5.5	3.8	3.6	9.6	9.2	5.1	4.9
East South Central	6.6	6.5	6.3	6.2	4.1	3.8	5.9	6.1	5.4	5.2
Alabama.....	7.3	6.9	6.8	6.6	4.2	3.9	7.7	7.3	5.8	5.5
Kentucky.....	5.7	6.2	5.2	5.4	3.2	3.0	4.7	4.9	4.4	4.3
Mississippi.....	7.1	7.1	6.7	6.6	4.4	4.2	7.9	8.1	6.2	6.0
Tennessee.....	6.3	5.9	6.3	6.0	4.6	4.2	7.9	7.7	5.6	5.2
West South Central	7.6	8.1	6.2	6.6	4.2	4.3	6.3	6.5	6.2	6.5
Arkansas.....	7.5	8.4	6.0	7.3	4.3	5.0	6.7	7.5	6.0	6.8
Louisiana.....	7.4	7.7	6.6	6.7	4.4	4.5	6.1	6.6	6.2	6.3
Oklahoma.....	6.8	6.7	6.3	6.4	3.8	4.0	5.8	5.9	5.9	5.9
Texas.....	7.8	8.3	6.1	6.5	4.2	4.2	6.4	6.6	6.3	6.6
Mountain	7.9	7.9	6.6	6.5	4.2	4.4	5.5	5.5	6.3	6.3
Arizona.....	9.1	9.1	8.4	8.2	4.6	5.6	5.2	5.2	7.9	8.0
Colorado.....	7.4	7.5	5.6	5.6	4.4	4.4	8.2	8.5	5.9	5.9
Idaho.....	5.5	5.3	4.2	4.1	3.0	2.8	4.5	4.6	4.1	3.9
Montana.....	6.6	6.6	5.7	5.6	3.2	3.4	7.1	7.2	4.8	4.9
Nevada.....	6.8	6.5	6.4	6.2	5.5	5.3	4.5	4.0	6.1	5.9
New Mexico.....	9.1	9.2	7.9	7.9	4.5	4.7	5.6	5.7	6.9	7.0
Utah.....	6.9	6.9	5.8	5.6	3.6	3.7	4.8	4.7	5.3	5.3
Wyoming.....	6.6	6.5	5.3	5.4	3.3	3.6	3.2	3.8	4.2	4.4
Pacific Contiguous	9.3	9.7	9.1	9.2	5.3	5.9	5.6	6.0	7.9	8.3
California.....	10.8	11.6	10.7	10.8	6.7	8.0	7.0	8.4	9.6	10.3
Oregon.....	6.1	5.8	5.0	5.0	3.6	3.3	6.2	4.7	4.8	4.6
Washington.....	5.0	4.9	4.7	4.6	3.0	2.8	3.6	3.6	4.0	4.0
Pacific Noncontiguous	12.8	13.2	10.8	11.3	8.8	9.2	13.6	15.1	10.7	11.2
Alaska.....	11.5	11.4	9.4	9.3	7.5	6.5	14.5	16.1	9.8	9.6
Hawaii.....	13.5	14.2	11.8	12.7	9.1	9.8	11.8	12.8	11.2	11.9
U.S. Average	8.45	8.78	7.59	7.91	4.64	4.76	6.75	7.01	6.97	7.15

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, September 1998
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	1.5	3.2	2.8	0.9	2.5
Connecticut	.1	.1	.2	.5	.0
Maine	.4	.4	.3	3.3	.2
Massachusetts	3.6	6.5	6.8	1.9	5.8
New Hampshire	1.0	2.8	1.1	2.4	.9
Rhode Island	.6	.5	.2	.1	.5
Vermont	3.0	1.2	.8	5.4	1.8
Middle Atlantic	.7	1.3	.3	.9	1.1
New Jersey	.2	.1	.2	.2	.1
New York	1.2	2.7	1.1	1.1	1.9
Pennsylvania	1.6	1.5	.1	.6	1.6
East North Central	.7	1.0	.8	.6	.8
Illinois	2.3	2.9	1.7	.8	2.3
Indiana	.6	1.1	1.1	2.6	.6
Michigan	.3	.4	1.6	1.0	1.2
Ohio	.9	1.0	1.3	1.3	1.0
Wisconsin	2.0	2.5	2.6	1.0	2.5
West North Central	.8	.5	.5	8.3	.5
Iowa	5.0	2.0	.8	.4	1.8
Kansas	.2	.6	3.2	4.1	.4
Minnesota	.9	2.4	.6	2.7	.8
Missouri	1.2	.5	.9	9.5	.9
Nebraska	1.5	.8	1.1	17.3	2.2
North Dakota	1.5	2.1	1.8	1.7	.9
South Dakota	.8	1.4	1.3	2.1	.8
South Atlantic	.5	.3	.5	.5	.3
Delaware	.2	.3	.7	2.7	.1
District of Columbia	.0	.0	.0	.0	.0
Florida	.4	.6	1.9	.9	.5
Georgia	2.4	.5	.5	1.3	1.7
Maryland	2.2	1.5	.3	1.8	1.5
North Carolina	1.0	1.0	.6	1.4	.3
South Carolina	1.3	.4	1.4	2.2	.7
Virginia	1.0	.7	3.0	.6	.4
West Virginia	.4	.7	.2	.6	.7
East South Central	.5	.6	.7	1.3	.8
Alabama	.5	.2	.5	2.0	.3
Kentucky	1.2	1.1	1.7	.9	2.3
Mississippi	2.4	2.7	2.2	4.9	2.8
Tennessee	.3	.6	.8	6.5	.5
West South Central	1.6	1.8	1.9	2.0	1.6
Arkansas	1.2	5.0	3.8	6.8	2.5
Louisiana	2.1	1.5	1.2	8.9	2.7
Oklahoma	.6	1.2	.6	3.2	.3
Texas	2.4	2.7	2.9	2.1	2.4
Mountain	.5	.3	2.2	3.0	.6
Arizona	.9	.3	9.0	8.4	1.3
Colorado	.7	.8	.4	.9	.6
Idaho	1.1	1.2	.5	3.6	.7
Montana	.7	.2	.7	1.5	.3
Nevada	.3	.3	2.6	1.5	1.1
New Mexico	.8	.0	9.1	3.2	1.5
Utah	.3	1.2	.9	8.2	.2
Wyoming	.7	.7	1.4	21.0	.5
Pacific Contiguous	.9	.9	1.8	2.6	1.0
California	.9	1.3	2.7	4.8	1.3
Oregon	1.4	2.2	4.1	8.8	2.1
Washington	.9	1.5	1.9	2.5	.6
Pacific Noncontiguous	.7	1.0	.7	2.4	.8
Alaska	2.3	2.6	3.0	3.8	2.6
Hawaii	.2	.5	.2	.4	.3
U.S. Average	.4	.4	.4	.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.

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	11.5	12.0	9.9	10.5	7.8	8.0	14.4	15.2	10.0	10.5
Connecticut.....	12.0	12.2	10.0	10.3	7.6	7.8	14.5	14.4	10.3	10.6
Maine.....	12.8	12.7	10.5	10.4	6.4	6.4	24.2	23.8	9.7	9.5
Massachusetts.....	10.6	11.4	9.6	10.4	8.3	8.8	14.2	15.6	9.7	10.5
New Hampshire.....	13.6	13.5	11.5	11.3	9.3	9.0	14.5	14.6	11.7	11.6
Rhode Island.....	11.3	12.2	9.7	10.5	7.9	8.8	11.3	12.6	9.9	10.8
Vermont.....	11.5	11.6	10.0	10.3	7.1	7.3	13.5	15.3	9.7	10.0
Middle Atlantic	11.9	12.1	10.4	10.7	5.9	6.0	9.6	10.0	9.6	9.9
New Jersey.....	11.7	12.2	10.0	10.4	7.9	8.2	18.6	19.2	10.2	10.6
New York.....	14.1	14.3	12.1	12.3	5.1	5.3	9.0	9.4	11.0	11.3
Pennsylvania.....	9.9	9.9	8.3	8.4	5.7	5.8	12.2	11.6	7.9	8.0
East North Central	8.6	8.7	7.4	7.4	4.5	4.5	7.2	7.1	6.6	6.6
Illinois.....	10.1	10.7	7.9	8.1	5.3	5.5	7.0	7.0	7.7	7.9
Indiana.....	7.0	7.1	6.1	6.1	4.0	4.0	10.3	10.0	5.4	5.4
Michigan.....	8.8	8.8	7.8	7.9	5.0	5.1	11.7	11.9	7.2	7.2
Ohio.....	8.8	8.7	7.6	7.6	4.3	4.1	6.2	6.1	6.4	6.2
Wisconsin.....	7.2	6.9	5.8	5.5	3.8	3.7	7.3	6.8	5.4	5.2
West North Central	7.4	7.4	6.3	6.3	4.4	4.4	6.2	6.3	6.1	6.0
Iowa.....	8.6	8.3	6.9	6.8	4.1	4.0	6.4	6.2	6.3	6.1
Kansas.....	7.7	7.8	6.4	6.5	4.6	4.6	9.3	9.8	6.4	6.4
Minnesota.....	7.4	7.4	6.3	6.4	4.6	4.4	8.0	7.7	5.8	5.7
Missouri.....	7.3	7.3	6.2	6.2	4.6	4.7	6.2	7.2	6.3	6.4
Nebraska.....	6.6	6.6	5.6	5.6	3.7	3.8	5.4	5.2	5.4	5.4
North Dakota.....	6.5	6.4	6.0	6.4	4.5	4.6	4.5	4.4	5.8	5.8
South Dakota.....	7.2	7.2	6.5	6.8	4.5	4.5	4.1	4.7	6.2	6.3
South Atlantic	7.9	8.0	6.5	6.7	4.3	4.3	6.2	6.3	6.5	6.6
Delaware.....	9.2	9.4	7.2	7.4	4.8	4.9	13.3	12.5	7.0	7.1
District of Columbia.....	8.3	8.1	7.8	7.6	4.6	4.5	6.7	6.6	7.7	7.6
Florida.....	7.9	8.2	6.4	6.7	4.9	5.3	6.9	7.0	7.0	7.3
Georgia.....	7.8	8.0	7.0	7.1	4.4	4.3	9.2	8.6	6.5	6.5
Maryland.....	8.7	8.6	7.1	7.2	4.2	4.3	9.1	9.3	7.2	7.2
North Carolina.....	8.1	8.1	6.4	6.5	4.8	4.8	6.9	7.1	6.6	6.6
South Carolina.....	7.5	7.6	6.2	6.4	3.7	3.7	5.9	6.0	5.6	5.5
Virginia.....	7.7	7.9	5.7	6.0	3.8	4.0	5.0	5.2	6.0	6.2
West Virginia.....	6.3	6.3	5.5	5.5	3.6	3.7	9.5	9.2	5.0	5.0
East South Central	6.4	6.3	6.2	6.1	4.0	3.7	6.1	6.0	5.3	5.0
Alabama.....	7.0	6.7	6.7	6.5	4.1	3.8	7.0	7.3	5.6	5.3
Kentucky.....	5.7	5.7	5.2	5.2	3.1	2.9	4.7	4.7	4.3	4.1
Mississippi.....	7.0	7.0	6.7	6.8	4.3	4.2	8.5	8.2	5.9	5.9
Tennessee.....	6.3	5.9	6.4	6.1	4.7	4.3	8.2	7.7	5.6	5.2
West South Central	7.4	7.7	6.4	6.7	4.0	4.2	6.2	6.2	6.0	6.1
Arkansas.....	7.3	7.9	5.8	6.9	4.0	4.5	6.4	7.2	5.7	6.3
Louisiana.....	7.1	7.6	6.5	7.0	4.2	4.4	6.2	6.6	5.8	6.1
Oklahoma.....	6.7	6.7	5.8	5.8	3.7	3.7	5.0	4.9	5.6	5.5
Texas.....	7.7	7.8	6.5	6.7	4.0	4.1	6.4	6.4	6.1	6.2
Mountain	7.6	7.6	6.4	6.4	4.1	4.1	5.6	5.2	6.0	6.0
Arizona.....	8.8	8.8	7.9	7.9	5.0	5.2	5.2	4.8	7.5	7.5
Colorado.....	7.4	7.5	5.7	5.8	4.3	4.3	8.4	8.0	6.0	6.0
Idaho.....	5.3	5.2	4.3	4.2	2.8	2.6	4.6	4.6	4.0	3.9
Montana.....	6.6	6.5	5.9	5.8	3.2	3.3	7.2	7.5	4.8	5.0
Nevada.....	6.9	6.7	6.5	6.3	4.7	4.7	4.0	3.9	5.8	5.7
New Mexico.....	9.0	9.1	7.9	8.0	4.6	4.6	6.0	5.9	6.9	6.9
Utah.....	6.8	6.9	5.7	5.7	3.5	3.6	4.5	4.1	5.2	5.2
Wyoming.....	6.4	6.2	5.3	5.3	3.4	3.5	3.8	3.5	4.3	4.3
Pacific Contiguous	8.5	9.0	8.3	8.4	4.7	5.1	5.3	5.7	7.2	7.6
California.....	10.5	11.4	9.8	9.9	6.4	6.8	6.7	7.8	9.1	9.6
Oregon.....	5.9	5.7	5.0	5.1	3.1	3.2	5.5	4.8	4.7	4.6
Washington.....	5.0	4.9	4.7	4.7	2.5	2.6	3.4	3.5	3.9	4.0
Pacific Noncontiguous	13.0	13.4	11.0	11.6	9.1	9.9	14.2	16.1	11.0	11.7
Alaska.....	11.6	11.4	9.4	9.5	7.4	7.7	14.9	17.3	9.9	10.1
Hawaii.....	13.9	14.7	12.4	13.3	9.5	10.3	12.3	13.2	11.6	12.5
U.S. Average	8.31	8.51	7.49	7.69	4.53	4.58	6.84	6.93	6.81	6.92

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, August 1998

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)
Alabama Elec Coop Inc.....	315,158	4	120,536	714	—	—	139	*	1,189	226	27
Gantt (AL).....	—	—	—	75	—	—	—	—	—	—	—
Lowman (AL).....	315,158	—	—	—	—	—	139	—	—	226	—
McIntosh-CAES (AL).....	—	11	65,428	—	—	—	—	*	700	—	13
McWilliams (AL).....	—	—	55,108	—	—	—	—	—	488	—	13
Point A (AL).....	—	—	—	639	—	—	—	—	—	—	—
Portland (FL).....	—	-7	—	—	—	—	—	*	—	—	1
Alabama Power Co.....	4,632,099	9,072	241,779	192,884	934,033	—	2,208	20	2,634	2,043	57
Bankhead Dam (AL).....	—	—	—	7,167	—	—	—	—	—	—	—
Barry (AL).....	963,026	—	2,580	—	—	—	389	—	103	380	5
Chickasaw (AL).....	—	33	15,123	—	—	—	—	*	199	—	*
Farley (AL).....	—	—	—	—	934,033	—	—	—	—	—	—
Gadsden New (AL).....	53,324	—	1,121	—	—	—	28	—	15	24	1
Gaston, E C (AL).....	602,501	2,569	—	—	—	—	451	8	—	274	10
Gorgas (AL).....	748,041	1,061	—	—	—	—	306	2	—	407	5
Greene County (AL).....	311,162	5,409	212,348	—	—	—	140	10	2,222	100	22
Greene County (AL).....	—	—	—	—	—	—	—	—	—	—	—
H Neely Henry Dam (AL).....	—	—	—	8,428	—	—	—	—	—	—	—
Harris (AL).....	—	—	—	10,044	—	—	—	—	—	—	—
Holt Dam (AL).....	—	—	—	7,053	—	—	—	—	—	—	—
Jordan (AL).....	—	—	—	12,205	—	—	—	—	—	—	—
Lay Dam (AL).....	—	—	—	23,105	—	—	—	—	—	—	—
Lewis Smith Dam (AL).....	—	—	—	16,972	—	—	—	—	—	—	—
Logan Martin Dam (AL).....	—	—	—	14,370	—	—	—	—	—	—	—
Martin Dam (AL).....	—	—	—	21,875	—	—	—	—	—	—	—
Miller (AL).....	1,954,045	—	10,607	—	—	—	893	—	95	859	15
Mitchell Dam (AL).....	—	—	—	17,972	—	—	—	—	—	—	—
Thurlow Dam (AL).....	—	—	—	14,814	—	—	—	—	—	—	—
Walter Bouldin Dam (AL).....	—	—	—	20,094	—	—	—	—	—	—	—
Weiss Dam (AL).....	—	—	—	10,156	—	—	—	—	—	—	—
Yates Dam (AL).....	—	—	—	8,629	—	—	—	—	—	—	—
Alaska Elec Lgt & Pwr Co.....	—	13	—	4,982	—	—	—	*	—	—	7
Annex Creek (AK).....	—	—	—	2,106	—	—	—	—	—	—	—
Auke Bay (AK).....	—	4	—	—	—	—	—	*	—	—	2
Gold Creek (AK).....	—	—	—	606	—	—	—	—	—	—	*
Lemon Creek (AK).....	—	9	—	—	—	—	—	*	—	—	5
Salmon Creek (AK).....	—	—	—	—	—	—	—	—	—	—	—
Salmon Creek 2 (AK).....	—	—	—	2,270	—	—	—	—	—	—	—
Alaska Power Admn.....	—	—	—	—	—	—	—	—	—	—	—
Eklutna (AK).....	—	—	—	—	—	—	—	—	—	—	—
Snettisham (AK).....	—	—	—	—	—	—	—	—	—	—	—
Alexandria (City of).....	—	—	42,189	—	—	—	—	—	517	—	10
Hunter, D G (LA).....	—	—	42,189	—	—	—	—	—	517	—	10
Amer Mun Power-Ohio Inc.....	115,336	—	642	—	—	—	72	—	9	84	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Amer Mun Power-Ohio Inc											
Richard Gorsuch (OH).....	115,336	—	642	—	—	—	72	—	9	84	—
Ames (City of).....	41,400	452	—	—	—	—	27	1	—	19	4
Ames (IA).....	41,400	452	—	—	—	—	27	1	—	19	1
Ames Gt (IA).....	—	—	—	—	—	—	—	—	—	—	3
Anaheim (City of).....	—	—	6,771	—	—	—	—	—	61	—	—
Anaheim (CA).....	—	—	6,771	—	—	—	—	—	61	—	—
Anchorage (City of).....	—	—	48,454	—	—	—	—	—	540	—	36
Anchorage (AK).....	—	—	264	—	—	—	—	—	7	—	3
GMS 2 (AK).....	—	—	48,190	—	—	—	—	—	533	—	33
Appalachian Power Co.....	2,918,466	7,562	—	22,084	—	—	1,147	13	—	1,757	69
Amos, John E (WV).....	1,397,516	5,248	—	—	—	—	556	9	—	1,136	52
Buck (VA).....	—	—	—	2,633	—	—	—	—	—	—	—
Byllesby 2 (VA).....	—	—	—	3,529	—	—	—	—	—	—	—
Claytor (VA).....	—	—	—	11,627	—	—	—	—	—	—	—
Clinch River (VA).....	427,269	339	—	—	—	—	163	1	—	231	2
Glen Lyn (VA).....	159,000	1,147	—	—	—	—	64	2	—	68	2
Kanawha River (WV).....	230,042	40	—	—	—	—	93	*	—	89	1
Leesville (VA).....	—	—	—	3,005	—	—	—	—	—	—	—
London (WV).....	—	—	—	3,442	—	—	—	—	—	—	—
Marmet (WV).....	—	—	—	2,366	—	—	—	—	—	—	—
Mountaineer (WV).....	704,639	788	—	—	—	—	271	1	—	233	13
Niagara (VA).....	—	—	—	499	—	—	—	—	—	—	—
Reusens (VA).....	—	—	—	1,337	—	—	—	—	—	—	—
Smith Mountain (VA).....	—	—	—	-11,411	—	—	—	—	—	—	—
Winfield (WV).....	—	—	—	5,057	—	—	—	—	—	—	—
Arizona Elec Pwr Coop Inc.....	241,493	—	56,544	—	—	—	133	—	595	97	—
Apache Station (AZ).....	241,493	—	56,544	—	—	—	133	—	595	97	—
Arizona Public Service Co.....	1,941,316	4,875	302,939	2,772	2,748,517	—	1,079	11	3,485	607	139
Childs (AZ).....	—	—	—	1,718	—	—	—	—	—	—	—
Cholla (AZ).....	646,161	208	74	—	—	—	344	*	1	529	4
Fairview (AZ).....	—	309	—	—	—	—	—	1	—	—	9
Four Corners (NM).....	1,295,155	—	6,491	—	—	—	734	—	87	78	—
Irving (AZ).....	—	—	—	1,054	—	—	—	—	—	—	—
Ocotillo (AZ).....	—	—	81,042	—	—	—	—	—	922	—	35
Palo Verde (AZ).....	—	—	—	—	2,748,517	—	—	—	—	—	—
Phoenix (AZ).....	—	862	113,359	—	—	—	—	1	1,258	—	32
Saguaro (AZ).....	—	1,598	57,590	—	—	—	—	4	698	—	31
Yucca (AZ).....	—	1,898	44,383	—	—	—	—	5	518	—	27
Arkansas Elec Coop Corp.....	—	—	104,449	20,219	—	—	—	—	1,200	—	146
Bailey (AR).....	—	—	39,590	—	—	—	—	—	456	—	64
Clyde Ellis (AR).....	—	—	—	9,732	—	—	—	—	—	—	—
Dam 9 (AR).....	—	—	—	10,487	—	—	—	—	—	—	—
Fitzhugh (AR).....	—	—	16,827	—	—	—	—	—	206	—	44
Mc Clellan (AR).....	—	—	48,032	—	—	—	—	—	538	—	39
Arkansas Power & Light Co.....	1,918,689	14,390	627,363	6,565	1,273,144	—	1,198	30	7,013	934	149
Arkansas Nuclear One(AR).....	—	—	—	—	1,273,144	—	—	—	—	—	—
Blytheville (AR).....	—	7,331	—	—	—	—	—	18	—	—	13
Carpenter (AR).....	—	—	—	4,179	—	—	—	—	—	—	—
Couch, Harvey (AR).....	—	—	47,109	—	—	—	—	—	561	—	—
Independence (AR).....	952,108	6,992	—	—	—	—	583	12	—	337	2
L Catherine (AR).....	—	—	224,029	—	—	—	—	—	2,368	—	—
Lynch, Cecil (AR).....	—	—	—	—	—	—	—	—	—	—	—
Mablevale (AR).....	—	—	—	—	—	—	—	—	—	—	4
Moses, Ham (AR).....	—	—	—	—	—	—	—	—	—	—	—
Rommel (AR).....	—	—	—	2,386	—	—	—	—	—	—	—
Ritchie, R E (AR).....	—	—	356,225	—	—	—	—	—	4,085	—	98
White Bluff (AR).....	966,581	67	—	—	—	—	615	*	—	597	32
Associated Elec Coop.....	1,474,111	1,052	—	—	—	—	871	3	—	887	13
New Madrid (MO).....	743,274	115	—	—	—	—	441	*	—	416	1
Thomas Hill (MO).....	730,837	84	—	—	—	—	431	*	—	470	6
Unionville (MO).....	—	853	—	—	—	—	—	2	—	—	6

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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	181,346	40,978	39,123	—	—	—	80	73	501	105	292
Carlls Corner (NJ).....	—	677	—	—	—	—	—	2	—	—	7
Cedar (NJ).....	—	2,114	—	—	—	—	—	5	—	—	11
Cumberland St (NJ).....	—	—	13,035	—	—	—	—	—	160	—	29
Deepwater (NJ).....	42,552	29	12,884	—	—	—	18	*	154	47	33
England, B L (NJ).....	138,794	33,493	—	—	—	—	63	52	—	58	83
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—	—	18
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—	—	68
Mickleton Street (NJ).....	—	—	5,374	—	—	—	—	—	83	—	—
Middle (NJ).....	—	2,718	—	—	—	—	—	8	—	—	11
Missouri Avenue (NJ).....	—	1,947	—	—	—	—	—	5	—	—	6
Sherman Avenue (NJ).....	—	—	7,830	—	—	—	—	—	104	—	27
Austin (City of)	10,708	—	1,877	—	—	—	6	—	24	59	—
Northeast Station (MN).....	10,708	—	1,877	—	—	—	6	—	24	59	—
Austin (City of)	—	—	491,753	—	—	13	—	—	5,141	—	190
Decker Creek (TX).....	—	—	325,073	—	—	13	—	—	3,430	—	125
Holly Street (TX).....	—	—	166,680	—	—	—	—	—	1,711	—	65
Baltimore Gas & Elec Co	1,335,370	155,466	139,092	—	1,085,951	—	523	285	1,557	344	505
Brandon (MD).....	823,326	2,253	—	—	—	—	330	4	—	203	23
Calvert Cliffs (MD).....	—	—	—	—	1,085,951	—	—	—	—	—	—
Crane, C P (MD).....	231,465	921	—	—	—	—	89	2	—	66	4
Gould Street (MD).....	—	—	28,496	—	—	—	—	—	332	—	15
Notch Cliff (MD).....	—	—	7,251	—	—	—	—	—	123	—	—
Perryman (MD).....	—	9,147	36,696	—	—	—	—	15	392	—	67
Philadelphia Road (MD).....	—	1,857	—	—	—	—	—	5	—	—	6
Riverside (MD).....	—	2,008	21,404	—	—	—	—	6	246	—	23
Wagner, H A (MD).....	280,579	139,280	41,478	—	—	—	104	253	401	74	368
Westport (MD).....	—	—	3,767	—	—	—	—	—	64	—	—
Basin Elec Power Coop	2,133,473	2,878	—	—	—	—	1,530	6	—	939	65
Antelope Valley (ND).....	614,235	225	—	—	—	—	494	*	—	91	4
Laramie River (WY).....	1,134,935	549	—	—	—	—	714	1	—	475	9
Leland Olds (ND).....	384,303	595	—	—	—	—	322	1	—	374	6
Sprit Mound (SD).....	—	1,509	—	—	—	—	—	4	—	—	47
Big Rivers Electric Corp	—	—	—	—	—	—	—	—	—	—	—
Coleman (KY).....	—	—	—	—	—	—	—	—	—	—	—
Green (KY).....	—	—	—	—	—	—	—	—	—	—	—
Henderson Ii (KY).....	—	—	—	—	—	—	—	—	—	—	—
Reid, Robert (KY).....	—	—	—	—	—	—	—	—	—	—	—
Wilson (KY).....	—	—	—	—	—	—	—	—	—	—	—
Black Hills Pwr and Lt Co	108,470	1,503	7,943	—	—	—	92	4	129	5	13
French, Ben (SD).....	17,532	1,312	7,943	—	—	—	14	4	129	2	12
Neil Simpson 2 (WY).....	55,088	168	—	—	—	—	45	*	—	—	*
Osage (WY).....	22,196	—	—	—	—	—	22	—	—	*	—
Simpson, Neil (WY).....	13,654	23	—	—	—	—	12	*	—	3	*
Boston Edison Co	—	—	—	—	463,473	—	—	—	—	—	—
Edgar (MA).....	—	—	—	—	—	—	—	—	—	—	—
Framingham (MA).....	—	—	—	—	—	—	—	—	—	—	—
L Street (MA).....	—	—	—	—	—	—	—	—	—	—	—
Mystic (MA).....	—	—	—	—	—	—	—	—	—	—	—
New Boston (MA).....	—	—	—	—	—	—	—	—	—	—	—
Pilgrim (MA).....	—	—	—	—	463,473	—	—	—	—	—	—
West Medway (MA).....	—	—	—	—	—	—	—	—	—	—	—
Braintree (City of)	—	86	16,979	—	—	—	—	*	178	—	—
Potter Station (MA).....	—	86	16,979	—	—	—	—	*	178	—	—
Brazos Elec Pwr Coop Inc	—	—	243,722	—	—	—	—	—	2,907	—	131
Miller, R W (TX).....	—	—	231,103	—	—	—	—	—	2,740	—	123
North Texas (TX).....	—	—	12,619	—	—	—	—	—	167	—	7
Brazos River Authority	—	—	—	928	—	—	—	—	—	—	—
M Sheppard (TX).....	—	—	—	928	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Brownsville (City of)	—	—	48,931	—	—	—	—	—	—	530	—	22
Brownsville (TX).....	—	—	48,931	—	—	—	—	—	—	530	—	22
Bryan (City of)	—	—	1,118	—	—	—	—	—	—	21	—	5
Bryan (OH).....	—	—	1,118	—	—	—	—	—	—	21	—	5
Bryan (City of)	—	—	93,320	—	—	—	—	—	—	1,098	—	56
Bryan (TX).....	—	—	35,923	—	—	—	—	—	—	450	—	32
Dansby (TX).....	—	—	57,397	—	—	—	—	—	—	649	—	24
Burbank (City of)	—	—	25,547	—	—	—	—	—	—	316	—	—
Magnolia (CA).....	—	—	523	—	—	—	—	—	—	12	—	—
Olive (CA).....	—	—	25,024	—	—	—	—	—	—	304	—	—
Burlington (City of)	—	59	—	—	—	—	8,357	—	*	8	—	5
Burlington (VT).....	—	59	—	—	—	—	—	—	*	—	—	1
J C McNeil (VT).....	—	—	—	—	—	—	8,357	—	*	8	—	4
Cajun Elec Power Coop Inc	942,152	1,474	110,317	—	—	—	—	583	3	1,190	655	23
Big Cajun 1 (LA).....	—	—	110,317	—	—	—	—	—	—	1,190	—	12
Big Cajun 2 (LA).....	942,152	1,474	—	—	—	—	—	583	3	—	655	12
California (State of)	—	—	—	477,687	—	—	-32	—	—	—	—	—
Alamo (CA).....	—	—	—	7,236	—	—	—	—	—	—	—	—
Bottle Rock (CA).....	—	—	—	—	—	—	-32	—	—	—	—	—
Devil Canyon (CA).....	—	—	—	60,422	—	—	—	—	—	—	—	—
Edw Hyatt (CA).....	—	—	—	287,808	—	—	—	—	—	—	—	—
Mojave Siphon (CA).....	—	—	—	4,461	—	—	—	—	—	—	—	—
Thermal Div (CA).....	—	—	—	1,979	—	—	—	—	—	—	—	—
Thermalito (CA).....	—	—	—	38,486	—	—	—	—	—	—	—	—
W E Warne (CA).....	—	—	—	15,686	—	—	—	—	—	—	—	—
William R Gianelli (CA).....	—	—	—	61,609	—	—	—	—	—	—	—	—
Cardinal Operating Co	985,141	856	—	—	—	—	—	400	1	—	491	14
Cardinal (OH).....	985,141	856	—	—	—	—	—	400	1	—	491	14
Carolina Power & Light Co	2,924,546	42,570	47,748	24,927	2,129,365	—	—	1,188	125	714	1,708	214
Asheville (NC).....	208,832	264	—	—	—	—	—	83	*	—	154	1
Blewett (NC).....	—	-26	—	5,489	—	—	—	—	—	—	—	6
Brunswick (NC).....	—	—	—	—	989,440	—	—	—	—	—	—	—
Cape Fear (NC).....	171,134	6,489	—	—	—	—	—	70	15	—	81	8
Darlington County (SC).....	—	19,520	44,134	—	—	—	—	—	66	653	—	158
Harris (NC).....	—	—	—	—	619,747	—	—	—	—	—	—	—
Lee (NC).....	195,247	5,132	—	—	—	—	—	84	17	—	63	7
Marshall (NC).....	—	—	—	1,237	—	—	—	—	—	—	—	—
Mayo (NC).....	420,149	998	—	—	—	—	—	173	2	—	410	6
Morehead (NC).....	—	315	—	—	—	—	—	—	1	—	—	1
Robinson, H B (SC).....	92,858	200	144	—	520,178	—	—	37	*	3	138	3
Roxboro (NC).....	1,472,443	1,916	—	—	—	—	—	581	4	—	698	8
Sutton (NC).....	273,917	6,418	—	—	—	—	—	118	16	—	134	10
Tillery (NC).....	—	—	—	7,732	—	—	—	—	—	—	—	—
Walters (NC).....	—	—	—	10,469	—	—	—	—	—	—	—	—
Weatherspoon (NC).....	89,966	1,344	3,470	—	—	—	—	42	3	59	30	6
Carthage (City of)	—	276	2,485	—	—	—	—	—	*	27	—	4
Carthage (MO).....	—	276	2,485	—	—	—	—	—	*	27	—	4
Cedar Falls (City of)	6,111	—	1,106	—	—	—	—	3	—	19	11	2
Cedar Falls Gt (IA).....	6,111	—	62	—	—	—	—	3	—	1	11	—
Streeter (IA).....	—	—	1,044	—	—	—	—	—	—	18	—	2
Cent NE Pub Pwr & Ir Dist	—	—	—	43,104	—	—	—	—	—	—	—	—
Jeffrey Canyon (NE).....	—	—	—	11,761	—	—	—	—	—	—	—	—
Johnson No 1 (NE).....	—	—	—	7,707	—	—	—	—	—	—	—	—
Johnson No 2 (NE).....	—	—	—	9,904	—	—	—	—	—	—	—	—
Kingsley (NE).....	—	—	—	13,732	—	—	—	—	—	—	—	—
Central Elec Pwr Coop	41,208	—	—	—	—	—	—	21	*	—	26	*
Chamois (MO).....	41,208	—	—	—	—	—	—	21	*	—	26	*

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Central Hudson Gas & Elec.....	230,764	430,261	138,177	7,176	—	—	90	691	1,448	101	846
Coxsackie (NY).....	—	64	325	—	—	—	—	*	4	—	2
Danskammer (NY).....	230,764	—	35,442	—	—	—	90	—	410	101	32
Dashville (NY).....	—	—	—	151	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Neversink (NY).....	—	—	—	6,410	—	—	—	—	—	—	—
Roseton (NY).....	—	430,085	102,410	—	—	—	—	691	1,034	—	809
South Cairo (NY).....	—	112	—	—	—	—	—	*	—	—	3
Sturgeon Pool (NY).....	—	—	—	615	—	—	—	—	—	—	—
Central Ill Public Ser Co.....	1,225,740	20,286	6	—	—	—	642	39	*	859	81
Coffeen (IL).....	354,326	261	—	—	—	—	180	*	—	274	5
Grand Tower (IL).....	71,798	239	—	—	—	—	38	*	—	32	1
Hutsonville (IL).....	56,365	24	—	—	—	—	28	*	—	52	1
Meredosia (IL).....	119,874	19,664	6	—	—	—	66	38	*	98	69
Newton (IL).....	623,377	98	—	—	—	—	331	*	—	403	6
Central Iowa Power Coop.....	37,340	181	—	—	—	—	20	1	—	75	9
Fair Station (IA).....	37,340	—	—	—	—	—	20	—	—	75	—
Summit Lake (IA).....	—	181	—	—	—	—	—	1	—	—	9
Central Illinois Light Co.....	531,209	1,171	3,229	—	—	—	250	2	19	185	1
Duck Creek (IL).....	189,914	356	—	—	—	—	91	1	—	79	1
E D Edwards (IL).....	341,295	815	—	—	—	—	160	2	—	106	1
Midwest Grain (IL).....	—	—	3,051	—	—	—	—	—	16	—	—
Sterling Avenue (IL).....	—	—	178	—	—	—	—	—	3	—	—
Central Louisiana Elec Co.....	476,850	—	505,405	—	—	—	323	—	4,934	624	148
Coughlin (LA).....	—	—	129,121	—	—	—	—	—	1,011	—	37
Dolet Hills (LA).....	136,028	—	1,796	—	—	—	113	—	20	412	—
Franklin (LA).....	—	—	134	—	—	—	—	—	2	—	—
Rodemacher (LA).....	340,822	—	172,655	—	—	—	209	—	1,490	213	76
Teche (LA).....	—	—	201,699	—	—	—	—	—	2,412	—	35
Central Maine Power Co.....	—	231,072	—	113,510	—	—	—	393	—	—	548
Andro Lower (ME).....	—	—	—	—	—	—	—	—	—	—	—
Androscoggin 3 (ME).....	—	—	—	3,014	—	—	—	—	—	—	—
Bar Mills (ME).....	—	—	—	1,072	—	—	—	—	—	—	—
Bates Lower (ME).....	—	—	—	—	—	—	—	—	—	—	—
Bates Upper (ME).....	—	—	—	3	—	—	—	—	—	—	—
Bonny Eagle (ME).....	—	—	—	2,293	—	—	—	—	—	—	—
Brunswick (ME).....	—	—	—	5,773	—	—	—	—	—	—	—
C. E. Monty (ME).....	—	—	—	9,083	—	—	—	—	—	—	—
Cape (ME).....	—	157	—	—	—	—	—	1	—	—	7
Cataract (ME).....	—	—	—	-10	—	—	—	—	—	—	—
Continental Mills (ME).....	—	—	—	90	—	—	—	—	—	—	—
Deer Rips (ME).....	—	—	—	1,201	—	—	—	—	—	—	—
Fort Halifax (ME).....	—	—	—	-3	—	—	—	—	—	—	—
Gulf Island (ME).....	—	—	—	8,571	—	—	—	—	—	—	—
Harris (ME).....	—	—	—	20,206	—	—	—	—	—	—	—
Hill Mill (ME).....	—	—	—	—	—	—	—	—	—	—	—
Hiram (ME).....	—	—	—	2,207	—	—	—	—	—	—	—
Islesboro (ME).....	—	—	—	—	—	—	—	—	—	—	—
North Gorham (ME).....	—	—	—	675	—	—	—	—	—	—	—
Oakland (ME).....	—	—	—	-4	—	—	—	—	—	—	—
Peaks Island (ME).....	—	—	—	—	—	—	—	—	—	—	—
Rice Rips (ME).....	—	—	—	-2	—	—	—	—	—	—	—
Shawmut (ME).....	—	—	—	4,180	—	—	—	—	—	—	—
Skelton (ME).....	—	—	—	5,616	—	—	—	—	—	—	—
Smelt Hill (AK).....	—	—	—	—	—	—	—	—	—	—	—
Union Gas (ME).....	—	—	—	-1	—	—	—	—	—	—	—
West Buxton (ME).....	—	—	—	1,804	—	—	—	—	—	—	—
West Channel (MA).....	—	—	—	—	—	—	—	—	—	—	—
Weston (ME).....	—	—	—	7,224	—	—	—	—	—	—	—
Williams (ME).....	—	—	—	9,134	—	—	—	—	—	—	—
Wyman Hydro (ME).....	—	—	—	31,384	—	—	—	—	—	—	—
Wyman, W F (ME).....	—	230,915	—	—	—	—	—	393	—	—	541
Central Operating Co.....	565,920	1,875	—	—	—	—	219	3	—	252	12
Sporn, Phil (WV).....	565,920	1,875	—	—	—	—	219	3	—	252	12

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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	437,487	352	1,516,513	3,577	—	—	221	1	16,009	230	464
Bates, J L (TX)	—	—	85,779	—	—	—	—	—	979	—	39
Coletto Creek (TX)	437,487	351	—	—	—	—	221	1	—	230	6
Davis, Barney M (TX)	—	1	427,690	—	—	—	—	*	4,258	—	129
Eagle Pass (TX)	—	—	—	3,577	—	—	—	—	—	—	—
Hill, Lon C (TX)	—	—	242,638	—	—	—	—	—	2,682	—	60
Joslin, E S (TX)	—	—	82,865	—	—	—	—	—	825	—	50
La Palma (TX)	—	—	122,383	—	—	—	—	—	1,395	—	49
Laredo (TX)	—	—	81,471	—	—	—	—	—	948	—	24
Nueces Bay (TX)	—	—	318,878	—	—	—	—	—	3,222	—	59
Victoria (TX)	—	—	154,809	—	—	—	—	—	1,701	—	49
Chanute (City of)	—	684	4,503	—	—	—	—	1	44	—	1
Chanute (KS)	—	-26	—	—	—	—	—	*	—	—	*
Chanute 2 (KS)	—	17	231	—	—	—	—	*	3	—	*
Chanute 3 (KS)	—	693	4,272	—	—	—	—	1	41	—	1
Chelan Pub Util Dist # 1	—	—	—	720,969	—	—	—	—	—	—	—
Chelan (WA)	—	—	—	-338	—	—	—	—	—	—	—
Rock Island (WA)	—	—	—	217,246	—	—	—	—	—	—	—
Rocky Reach (WA)	—	—	—	504,061	—	—	—	—	—	—	—
Chillicothe (City of)	1,115	333	96	—	—	—	1	1	2	1	7
Beardmore (MO)	1,115	333	96	—	—	—	1	1	2	1	7
Chugach Elec Assn Inc	—	—	131,665	44,372	—	—	—	—	1,450	—	10
Beluga (AK)	—	—	117,746	—	—	—	—	—	1,243	—	—
Bernice Lake (AK)	—	—	12,723	—	—	—	—	—	191	—	3
Bradley Lake (AK)	—	—	—	42,417	—	—	—	—	—	—	—
Cooper Lake (AK)	—	—	—	1,955	—	—	—	—	—	—	—
International (AK)	—	—	—	—	—	—	—	—	—	—	7
Soldotna (AK)	—	—	1,196	—	—	—	—	—	16	—	—
Cincinnati Gas Elec Co	2,476,387	15,268	52,227	—	—	—	1,035	28	865	763	134
Beckjord, Walter C (OH)	609,719	9,099	—	—	—	—	261	16	—	135	23
Dicks Creek (OH)	—	—	3,613	—	—	—	—	—	78	—	3
East Bend (KY)	411,689	809	—	—	—	—	171	1	—	176	9
Miami Fort (OH)	592,634	3,742	—	—	—	—	255	7	—	243	47
W. H. Zimmer ()	862,345	719	—	—	—	—	348	1	—	210	34
Woodsdale (OH)	—	899	48,614	—	—	—	—	3	787	—	18
Citizens Utilities Co	—	—	72	—	—	—	—	—	1	—	1
Valencia (AZ)	—	—	72	—	—	—	—	—	1	—	1
Clarksdale (City of)	—	—	10,492	—	—	—	—	—	126	—	19
South (MS)	—	—	9,714	—	—	—	—	—	112	—	18
Third St (MS)	—	—	778	—	—	—	—	—	15	—	1
Cleveland (City of)	—	—	1,096	—	—	—	—	*	18	—	2
Collinwood (OH)	—	—	—	—	—	—	—	—	*	—	1
Lake Road (OH)	—	—	—	—	—	—	—	—	—	—	—
West 41st Street (OH)	—	—	1,096	—	—	—	—	*	18	—	1
Cleveland Elec Illum Co	1,083,381	2,540	—	—	875,185	—	451	6	—	230	42
Ashtabula (OH)	120,156	108	—	—	—	—	53	*	—	6	1
Avon Lake (OH)	356,086	271	—	—	—	—	147	2	—	35	16
Eastlake (OH)	550,274	2,016	—	—	—	—	223	4	—	160	25
Lake Shore (OH)	56,865	145	—	—	—	—	28	*	—	29	—
Perry (OH)	—	—	—	—	875,185	—	—	—	—	—	—
Coffeyville (City of)	—	—	23,024	—	—	—	—	—	307	—	—
Coffeyville (KS)	—	—	23,024	—	—	—	—	—	307	—	—
Colorado Springs (City of)	281,242	37	7,052	9,956	—	—	145	*	105	318	38
Drake, Martin (CO)	137,502	—	1,669	—	—	—	76	—	20	84	—
George Birdsal (CO)	—	—	5,383	—	—	—	—	—	85	—	36
Manitou (CO)	—	—	—	2,603	—	—	—	—	—	—	—
Ray D. Nixon (CO)	143,740	37	—	—	—	—	69	*	—	234	2
Ruxton (CO)	—	—	—	229	—	—	—	—	—	—	—
Tesla (CO)	—	—	—	7,124	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Columbia (City of)	14,376	—	—	—	—	—	8	—	—	4	2
Columbia (MO).....	14,376	—	—	—	—	—	8	—	—	4	2
Columbus Southern Pwr Co.	899,412	447	—	—	—	—	401	1	—	295	9
Conesville (OH).....	870,118	362	—	—	—	—	386	1	—	272	9
Picway (OH).....	29,294	85	—	—	—	—	15	*	—	23	*
Commonwealth Edison Co.	2,749,907	11,518	551,541	—	5,680,463	—	1,702	26	6,719	3,124	1,007
Bloom (IL).....	—	205	—	—	—	—	—	1	—	—	10
Braidwood (IL).....	—	—	—	—	1,520,343	—	—	—	—	—	—
Byron (IL).....	—	—	—	—	1,650,938	—	—	—	—	—	—
Calumet (IL).....	—	—	1,569	—	—	—	—	—	45	—	14
Collins (IL).....	—	—	519,236	—	—	—	—	—	6,215	—	876
Crawford (IL).....	249,460	3	5,784	—	—	—	152	*	99	173	16
Dresden (IL).....	—	—	—	—	1,098,296	—	—	—	—	—	—
Electric Junction (IL).....	—	—	6,132	—	—	—	—	—	118	—	19
Fisk Street (IL).....	178,506	1,871	961	—	—	—	100	6	9	—	25
Joliet (IL).....	186,935	55	4,187	—	—	—	112	*	87	318	11
Joliet 7 & 8 (IL).....	544,382	—	9,267	—	—	—	324	—	95	793	—
Kincaid (IL).....	—	—	—	—	—	—	—	—	—	—	—
Lasalle (IL).....	—	—	—	—	278,351	—	—	—	—	—	—
Lombard (IL).....	—	—	1,061	—	—	—	—	—	16	—	15
Powerton (IL).....	696,057	—	972	—	—	—	462	—	11	935	—
Quad-cities (IL).....	—	—	—	—	1,138,101	—	—	—	—	—	—
Sabrooke (IL).....	—	953	—	—	—	—	—	3	—	—	11
Waukegan (IL).....	392,836	2,482	2,372	—	—	—	221	4	23	318	6
Will County (IL).....	501,731	5,949	—	—	—	—	332	12	—	587	4
Zion (IL).....	—	—	—	—	-5,566	—	—	—	—	—	—
Commonwealth Energy Sys.	—	420,699	34,407	—	—	—	—	663	374	—	107
Blackstone Street (MA).....	—	16	436	—	—	—	—	*	10	—	3
Canal (MA).....	—	419,511	26,423	—	—	—	—	660	267	—	65
Kendall Square (MA).....	—	1,034	7,548	—	—	—	—	3	97	—	37
Oak Bluffs (MA).....	—	81	—	—	—	—	—	*	—	—	1
West Tisbury (MA).....	—	57	—	—	—	—	—	*	—	—	2
Conn Yankee Atomic Pwr Co.	—	—	—	—	-1,675	—	—	—	—	—	—
Haddam Neck (CT).....	—	—	—	—	-1,675	—	—	—	—	—	—
Connecticut Lgt & Pwr Co.	—	494,205	238,459	4,281	—	36,465	—	882	2,672	—	1,525
Bantam (CT).....	—	—	—	-2	—	—	—	—	—	—	—
Branford (CT).....	—	61	—	—	—	—	—	*	—	—	*
Bulls Bridge (CT).....	—	—	—	719	—	—	—	—	—	—	—
Cos Cob (CT).....	—	789	—	—	—	—	—	2	—	—	3
Devon (CT).....	—	57,111	71,906	—	—	—	—	106	841	—	265
Falls Village (CT).....	—	—	—	320	—	—	—	—	—	—	—
Franklin (CT).....	—	161	—	—	—	—	—	*	—	—	1
Middletown (CT).....	—	139,310	164,153	—	—	—	—	255	1,802	—	531
Montville (CT).....	—	124,418	2,400	—	—	—	—	236	29	—	256
Norwalk Harbor (CT).....	—	168,021	—	—	—	—	—	271	—	—	387
Robertsville (CT).....	—	—	—	7	—	—	—	—	—	—	—
Rocky River (CT).....	—	—	—	103	—	—	—	—	—	—	—
Scotland (CT).....	—	—	—	86	—	—	—	—	—	—	—
Shepaug (CT).....	—	—	—	1,415	—	—	—	—	—	—	—
South Meadow (CT).....	—	4,016	—	—	—	36,465	—	10	—	—	80
Stevenson (CT).....	—	—	—	1,371	—	—	—	—	—	—	—
Taftville (CT).....	—	—	—	182	—	—	—	—	—	—	—
Torrington (CT).....	—	186	—	—	—	—	—	*	—	—	1
Tunnel (CT).....	—	132	—	80	—	—	—	*	—	—	1
Consol Edison Co N Y Inc.	—	219,553	1,535,646	—	-14,990	—	—	426	15,836	—	2,232
Arthur Kill (NY).....	—	—	372,711	—	—	—	—	—	3,657	—	—
Astoria (NY).....	—	83,910	476,735	—	—	—	—	140	4,802	—	173
Buchanan (NY).....	—	393	—	—	—	—	—	1	—	—	4
East River (NY).....	—	29,071	31,678	—	—	—	—	62	419	—	130
Gowanus (NY).....	—	24,219	—	—	—	—	—	78	—	—	58
Hudson Avenue (NY).....	—	864	—	—	—	—	—	3	—	—	5
Indian Point (NY).....	—	269	—	—	-14,990	—	—	1	—	—	8
Narrows (NY).....	—	2,992	20,768	—	—	—	—	9	362	—	56
Oil Storage (NY).....	—	—	—	—	—	—	—	—	—	—	1,399

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)	—	—	—	—	—	—	—	—	—	—	251
Ravenswood (NY)	—	77,970	590,859	—	—	—	—	132	6,081	—	145
Waterside (NY)	—	—	42,895	—	—	—	—	—	514	—	—
59Th Street (NY)	—	—	—	—	—	—	—	—	—	—	—
74Th Street (NY)	—	-135	—	—	—	—	—	—	—	—	3
Consumers Power Co	1,694,760	69,275	51,768	-85,236	570,961	—	803	156	734	785	327
Alcona (MI)	—	—	—	1,674	—	—	—	—	—	—	—
Allegan Dam (MI)	—	—	—	866	—	—	—	—	—	—	—
Big Rock Point (MI)	—	—	—	—	—	—	—	—	—	—	—
Campbell, J H (MI)	808,795	1,534	—	—	—	—	353	3	—	291	6
Cobb, B C (MI)	203,078	3	713	—	—	—	112	*	7	269	—
Cooke (MI)	—	—	—	1,648	—	—	—	—	—	—	—
Croton (MI)	—	—	—	1,428	—	—	—	—	—	—	—
Five Channels (MI)	—	—	—	1,518	—	—	—	—	—	—	—
Foote (MI)	—	—	—	1,953	—	—	—	—	—	—	—
Gaylord (MI)	—	—	2,630	—	—	—	—	—	32	—	—
Hardy (MI)	—	—	—	3,353	—	—	—	—	—	—	—
Hodenpyl (MI)	—	—	—	2,115	—	—	—	—	—	—	—
Karn, D E (MI)	306,312	66,183	41,915	—	—	—	163	150	588	122	319
Loud (MI)	—	—	—	1,151	—	—	—	—	—	—	—
Ludington (MI)	—	—	—	-107,151	—	—	—	—	—	—	—
Mio (MI)	—	—	—	906	—	—	—	—	—	—	—
Morrow, B E (MI)	—	—	389	—	—	—	—	—	7	—	—
Palisades (MI)	—	—	—	—	570,961	—	—	—	—	—	—
Rogers (MI)	—	—	—	1,105	—	—	—	—	—	—	—
Straits (MI)	—	—	486	—	—	—	—	—	6	—	—
Thetford (MI)	—	—	5,633	—	—	—	—	—	95	—	—
Tippy, C W (MI)	—	—	—	3,749	—	—	—	—	—	—	—
Weadock, J C (MI)	196,320	32	2	—	—	—	95	*	*	32	—
Webber (MI)	—	—	—	449	—	—	—	—	—	—	—
Whiting, J R (MI)	180,255	1,523	—	—	—	—	80	3	—	72	2
Cooperative Power Asso.....	753,545	1,557	—	—	—	—	676	3	—	432	18
Bonifacius (MN)	—	1,557	—	—	—	—	—	3	—	—	9
Coal Creek (ND)	753,545	—	—	—	—	—	676	—	—	432	8
Corn belt Power Coop.....	3,707	—	16	—	—	—	2	—	*	13	—
Humboldt (IA)	-23	—	—	—	—	—	—	—	—	—	—
Wisdom, Earl F (IA)	3,730	—	16	—	—	—	2	—	*	13	—
Crawfordsville (City of).....	527	—	8	—	—	—	*	—	*	2	*
Crawfordsville (IN)	527	—	8	—	—	—	*	—	*	2	*
Dairyland Power Coop.....	347,992	522	—	1,476	—	—	198	1	—	874	5
Alma (WI)	71,768	68	—	—	—	—	42	*	—	180	*
Flambeau (WI)	—	—	—	1,476	—	—	—	—	—	—	—
Genoa (WI)	151,052	115	—	—	—	—	76	*	—	560	3
J P Madgett (WI)	125,172	339	—	—	—	—	80	1	—	133	2
Dayton Pwr & Lgt Co (The)	1,850,347	4,975	17,445	—	—	—	782	9	213	886	78
Frank M Tait (OH)	—	573	12,265	—	—	—	—	1	153	—	22
Hutchings (OH)	128,999	—	4,770	—	—	—	58	—	53	56	1
Killen Station (OH)	424,862	905	—	—	—	—	179	2	—	114	42
Monument (OH)	—	790	—	—	—	—	—	1	—	—	*
Sidney (OH)	—	836	—	—	—	—	—	2	—	—	*
Stuart, J M (OH)	1,296,486	1,871	—	—	—	—	545	3	—	716	5
Yankee Street (OH)	—	—	410	—	—	—	—	*	7	—	7
Delmarva Power & Light Co	386,015	164,068	201,736	—	—	—	160	288	1,666	336	529
Bayview (VA)	—	1,769	—	—	—	—	—	3	—	—	1
Christiana (DE)	—	1,319	—	—	—	—	—	4	—	—	11
Crisfield (MD)	—	1,197	—	—	—	—	—	2	—	—	1
Delaware City (DE)	—	-5	—	—	—	—	—	*	—	—	4
Edge Moor (DE)	111,056	107,774	46,922	—	—	—	47	174	547	72	345
Hay Road (DE)	—	—	154,814	—	—	—	—	—	1,119	—	69
Indian River (DE)	274,959	3,657	—	—	—	—	113	7	—	265	6
Madison Street (DE)	—	—	—	—	—	—	—	—	—	—	1
Tasley (VA)	—	1,586	—	—	—	—	—	5	—	—	4

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Delmarva Power & Light Co											
Vienna (MD).....	—	46,545	—	—	—	—	—	92	—	—	85
West Substation (DE).....	—	226	—	—	—	—	—	1	—	—	2
Denton (City of).....											
Lewisdale (TX).....	—	—	61,335	1,312	—	—	—	—	763	—	25
Roberts (TX).....	—	—	—	1,312	—	—	—	—	—	—	—
Spencer (TX).....	—	—	61,335	—	—	—	—	—	763	—	25
Deseret Gen & Trans Coop.....											
Bonanza (UT).....	298,568	47	—	—	—	—	152	*	—	384	7
	298,568	47	—	—	—	—	152	*	—	384	7
Detroit (City of).....											
Mistersky (MI).....	—	13,283	17,666	—	—	—	—	29	222	—	151
	—	13,283	17,666	—	—	—	—	29	222	—	151
Detroit Edison Co (The).....											
Beacon Heating (MI).....	3,823,607	34,973	185,684	—	723,935	—	1,927	68	4,285	5,709	796
Belle River (MI).....	—	—	2,318	—	—	—	—	388	—	—	7
Central Storage (MI).....	808,169	1,672	—	—	—	—	457	3	—	1,567	22
Collfax (MI).....	—	378	—	—	—	—	—	1	—	—	*
Connors Creek (MI).....	—	146	—	—	—	—	—	*	—	—	*
Dayton (MI).....	—	256	—	—	—	—	—	1	—	—	*
Enrico Fermi (MI).....	—	484	—	—	723,935	—	—	2	—	—	15
Greenwood (MI).....	—	20,563	148,222	—	—	—	—	39	1,674	—	604
Hancock (MI).....	—	—	2,547	—	—	—	—	—	42	—	—
Harbor Beach (MI).....	30,966	252	—	—	—	—	14	1	—	29	1
Marysville (MI).....	19,620	—	1,240	—	—	—	11	—	17	21	—
Monroe (MI).....	1,450,909	2,519	—	—	—	—	649	4	—	1,563	8
Northeast (MI).....	—	714	1,143	—	—	—	—	2	20	—	2
Oliver (MI).....	—	333	—	—	—	—	—	1	—	—	1
Placid (MI).....	—	375	—	—	—	—	—	1	—	—	*
Putnam (MI).....	—	290	—	—	—	—	—	*	—	—	1
River Rouge (MI).....	336,193	312	24,486	—	—	—	161	1	2,080	95	2
Slocum (MI).....	—	346	—	—	—	—	—	1	—	—	1
St. Clair (MI).....	758,382	4,634	5,728	—	—	—	422	9	63	2,336	120
Superior (MI).....	—	861	—	—	—	—	—	3	—	—	2
Trenton Channel (MI).....	419,368	495	—	—	—	—	212	1	—	97	11
Wilmott (MI).....	—	343	—	—	—	—	—	1	—	—	1
Douglas Pub Util Dist # 1.....											
Wells (WA).....	—	—	—	370,067	—	—	—	—	—	—	—
	—	—	—	370,067	—	—	—	—	—	—	—
Dover (City of).....											
Mckee Run (DE).....	—	3,814	382	—	—	—	—	41	6	—	34
Van Sant (DE).....	—	2,743	27	—	—	—	—	38	2	—	30
	—	1,071	355	—	—	—	—	2	4	—	4
Dover (City of).....											
Dover (OH).....	7,396	—	532	—	—	—	5	—	8	1	1
	7,396	—	532	—	—	—	5	—	8	1	1
Duke Power Co.....											
Allen (NC).....	4,758,391	5,723	234,551	28,945	4,095,567	—	1,829	11	2,814	1,009	269
Bad Creek (SC).....	605,836	1,321	—	—	—	—	236	2	—	164	2
Bear Creek (NC).....	—	—	—	-70,965	—	—	—	—	—	—	—
Belews Creek (NC).....	—	—	—	937	—	—	—	—	—	—	—
Bridgewater (NC).....	1,564,855	414	—	—	—	—	570	1	—	253	3
Bryson (NC).....	—	—	—	2,711	—	—	—	—	—	—	—
Buck (NC).....	—	—	—	202	—	—	—	—	—	—	—
Buzzard Roost (SC).....	200,602	1,382	1,438	—	—	—	94	4	20	59	12
Catawba (NC).....	—	81	8,058	2,249	—	—	—	*	140	—	21
Cedar Cliff (NC).....	—	—	—	—	999,310	—	—	—	—	—	—
Cedar Creek (SC).....	—	—	—	695	—	—	—	—	—	—	—
Cliffside (NC).....	—	—	—	7,705	—	—	—	—	—	—	—
Cowans Ford (NC).....	443,884	438	—	—	—	—	178	1	—	95	2
Dan River (NC).....	—	—	—	11,207	—	—	—	—	—	—	—
Dearborn (SC).....	129,267	518	4,521	—	—	—	58	1	48	48	6
Dillsboro (NC).....	—	—	—	11,051	—	—	—	—	—	—	—
Fishing Creek (SC).....	—	—	—	25	—	—	—	—	—	—	—
Franklin (NC).....	—	—	—	10,250	—	—	—	—	—	—	—
Gaston Shoals (SC).....	—	—	—	170	—	—	—	—	—	—	—
Great Falls (SC).....	—	—	—	1,226	—	—	—	—	—	—	—
	—	—	—	1,308	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Duke Power Co											
Jocassee (SC).....	—	—	—	-29,742	—	—	—	—	—	—	—
Keowee (SC).....	—	—	—	5,457	—	—	—	—	—	—	—
Lee (SC).....	181,013	383	4,810	—	—	—	76	1	49	55	11
Lincoln (NC).....	—	—	209,821	—	—	—	—	—	2,495	—	195
Lookout Shoals (NC).....	—	—	—	5,103	—	—	—	—	—	—	—
Marshall (NC).....	1,386,422	747	—	—	—	—	510	1	—	272	10
Mc Guire (NC).....	—	—	—	—	1,610,158	—	—	—	—	—	—
Mission (NC).....	—	—	—	—	—	—	—	—	—	—	—
Mountain Island (NC).....	—	—	—	7,367	—	—	—	—	—	—	—
Nantahala (NC).....	—	—	—	18,201	—	—	—	—	—	—	—
Oconee (SC).....	—	—	—	—	1,486,099	—	—	—	—	—	—
Oxford (NC).....	—	—	—	1,873	—	—	—	—	—	—	—
Queens Creek (NC).....	—	—	—	117	—	—	—	—	—	—	—
Rhodhiss (NC).....	—	—	—	3,326	—	—	—	—	—	—	—
Riverbend (NC).....	246,512	439	5,903	—	—	—	107	1	61	64	7
Rocky Creek (SC).....	—	—	—	1,880	—	—	—	—	—	—	—
Tennessee Creek (NC).....	—	—	—	1,490	—	—	—	—	—	—	—
Thorpe (NC).....	—	—	—	5,800	—	—	—	—	—	—	—
Tuckasegee (NC).....	—	—	—	577	—	—	—	—	—	—	—
Tuxedo (NC).....	—	—	—	653	—	—	—	—	—	—	—
Wateree (SC).....	—	—	—	14,705	—	—	—	—	—	—	—
Wylie (SC).....	—	—	—	9,885	—	—	—	—	—	—	—
99 Islands (SC).....	—	—	—	3,482	—	—	—	—	—	—	—
Duquesne Lgt Co.....											
Beaver Valley (PA).....	466,557	3,380	1,524	—	280,808	—	206	13	15	439	22
Brunot Island (PA).....	—	2,329	—	—	—	—	—	10	—	—	20
Cheswick (PA).....	262,427	—	1,524	—	—	—	107	—	15	295	—
Elrama (PA).....	204,130	1,051	—	—	—	—	99	2	—	144	2
Phillips, F (PA).....	—	—	—	—	—	—	—	—	—	—	—
East Kentucky Power Coop.....											
Cooper (KY).....	801,730	468	24,409	—	—	—	331	1	306	389	49
Dale (KY).....	149,426	206	—	—	—	—	63	*	—	85	*
Smith (KY).....	97,200	174	—	—	—	—	47	*	—	12	*
Spurlock, H L (KY).....	—	—	24,409	—	—	—	—	—	306	—	45
555,104	88	—	—	—	—	—	222	*	—	291	3
Easton (City of).....											
Easton (MD).....	—	50	25	—	—	—	—	*	*	—	12
Easton No. 2 (MD).....	—	46	13	—	—	—	—	*	*	—	7
—	4	12	—	—	—	—	—	*	*	—	5
Edison Sault Electric Co.....											
Edison Sault (MI).....	—	40	—	11,979	—	—	—	*	—	—	*
Manistique (MI).....	—	—	—	11,979	—	—	—	—	—	—	—
—	40	—	—	—	—	—	—	*	—	—	*
El Paso Electric Co.....											
Copper (TX).....	—	—	350,283	—	—	—	—	—	3,823	—	70
Newman (TX).....	—	—	19,021	—	—	—	—	—	260	—	6
Rio Grande (NM).....	—	—	235,184	—	—	—	—	—	2,469	—	33
—	—	—	96,078	—	—	—	—	—	1,093	—	31
Electric Energy Inc.....											
Joppa Steam (IL).....	726,245	8	2,369	—	—	—	451	*	25	415	*
726,245	8	2,369	—	—	—	—	451	*	25	415	*
Empire District Elec Co.....											
Asbury (MO).....	138,916	113	111,340	8,171	—	—	90	*	1,518	172	76
Energy Center (MO).....	95,092	113	—	—	—	—	61	*	—	136	1
Ozark Beach (MO).....	—	—	35,877	—	—	—	—	—	597	—	49
Riverton (KS).....	—	—	—	8,171	—	—	—	—	—	—	—
State Line (MO).....	43,824	—	4,092	—	—	—	29	—	75	36	8
—	—	—	71,371	—	—	—	—	—	846	—	18
Eugene (City of).....											
Carmen (OR).....	—	—	—	26,159	—	—	—	—	—	—	—
Leaburg (OR).....	—	—	—	16,001	—	—	—	—	—	—	—
Walterville (OR).....	—	—	—	6,017	—	—	—	—	—	—	—
Willamette (OR).....	—	—	—	4,141	—	—	—	—	—	—	—
Fairmont (City of).....											
Fairmont (MN).....	—	67	2,887	—	—	—	—	*	50	—	1
—	67	2,887	—	—	—	—	—	*	50	—	1

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Farmington (City of)	—	—	19,146	11,364	—	—	—	—	—	200	—	—
Animas (NM).....	—	—	19,146	—	—	—	—	—	—	200	—	—
Navajo (NM).....	—	—	—	11,364	—	—	—	—	—	—	—	—
Fayetteville (City of)	—	16	39,417	—	—	—	—	*	*	432	—	66
Pod #2 (NC).....	—	16	39,417	—	—	—	—	—	—	432	—	66
Fitchburg Gas & Elec Lgt	—	28	—	—	—	—	—	—	*	—	—	1
Fitchburg (MA).....	—	28	—	—	—	—	—	—	*	—	—	1
Florida Power & Light Co.	—	3,334,318	2,213,884	—	2,287,457	—	—	5,410	19,170	—	—	4,315
Cape Canaveral (FL).....	—	367,076	51,827	—	—	—	—	561	544	—	—	395
Cutler (FL).....	—	—	59,266	—	—	—	—	—	707	—	—	—
Fort Meyers (FL).....	—	382,918	—	—	—	—	—	600	—	—	—	420
Lauderdale (FL).....	—	29,394	603,798	—	—	—	—	70	5,151	—	—	94
Manatee (FL).....	—	650,042	—	—	—	—	—	1,065	—	—	—	1,058
Martin (FL).....	—	474,507	827,665	—	—	—	—	753	6,672	—	—	697
Port Everglades (FL).....	—	602,285	46,519	—	—	—	—	949	675	—	—	578
Putnam (FL).....	—	5,537	270,854	—	—	—	—	9	2,462	—	—	31
Riviera (FL).....	—	310,610	28,835	—	—	—	—	487	267	—	—	283
Sanford (FL).....	—	238,683	167,452	—	—	—	—	499	1,200	—	—	482
St. Lucie (FL).....	—	—	—	—	1,258,029	—	—	—	—	—	—	—
Turkey Point (FL).....	—	273,266	157,668	—	1,029,428	—	—	417	1,492	—	—	276
Florida Power Corporation	1,574,818	987,860	248,511	—	527,085	—	—	607	1,710	2,689	487	1,406
Anclote (FL).....	—	485,910	—	—	—	—	—	758	—	—	—	367
Avon Park (FL).....	—	1,946	—	—	—	—	—	6	—	—	—	2
Bartow Nth (FL).....	—	—	—	—	—	—	—	—	—	—	—	39
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—	—	175
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—	—	*
Bartow, P L (FL).....	—	270,067	12,927	—	—	—	—	442	193	—	—	283
Bayboro (FL).....	—	17,486	—	—	—	—	—	41	—	—	—	25
Crystal River (FL).....	1,574,818	2,486	—	—	527,085	—	—	4	—	—	487	16
Debarry (FL).....	—	57,404	22,442	—	—	—	—	138	300	—	—	209
Higgins (FL).....	—	—	11,098	—	—	—	—	—	187	—	—	9
Intercession City (FL).....	—	73,869	54,898	—	—	—	—	164	677	—	—	152
Port St. Joe (FL).....	—	—	—	—	—	—	—	—	—	—	—	—
Rio Pinar (FL).....	—	421	—	—	—	—	—	2	—	—	—	2
Suwannee River (FL).....	—	66,093	36,467	—	—	—	—	124	495	—	—	68
Tiger Bay (FL).....	—	—	110,679	—	—	—	—	—	837	—	—	—
Turner, G E (FL).....	—	12,178	—	—	—	—	—	32	—	—	—	60
Univ Proj (FL).....	—	—	—	—	—	—	—	—	—	—	—	1
Fort Pierce (City of)	—	577	13,085	—	—	—	—	1	163	—	—	29
King (FL).....	—	577	13,085	—	—	—	—	1	163	—	—	29
Freeport (Village of)	—	-170	—	—	—	—	—	*	—	—	—	7
Plant No 1 (NY).....	—	-57	—	—	—	—	—	*	—	—	—	1
Plant No 2 (NY).....	—	-113	—	—	—	—	—	*	—	—	—	6
Fremont (City of)	33,748	61	795	—	—	—	—	21	*	11	20	1
Lon Wright (NE).....	33,748	61	795	—	—	—	—	21	*	11	20	1
Fulton (City of)	—	—	113	—	—	—	—	—	—	3	—	4
Fulton (MO).....	—	—	113	—	—	—	—	—	—	3	—	4
Gainesville (City of)	142,944	8,034	58,225	—	—	—	—	59	16	699	57	89
Deerhaven (FL).....	142,944	4,370	39,624	—	—	—	—	59	8	468	57	64
Kelly, J R (FL).....	—	3,664	18,601	—	—	—	—	—	8	231	—	25
Gardner (City of)	—	—	6,267	—	—	—	—	—	—	105	—	—
Gardner (KS).....	—	—	6,267	—	—	—	—	—	—	105	—	—
Garland Mun Utils (City)	—	—	184,131	—	—	—	—	—	—	2,072	—	108
Newman, C E (TX).....	—	—	22,159	—	—	—	—	—	—	276	—	18
Olinger, Ray (TX).....	—	—	161,972	—	—	—	—	—	—	1,796	—	89
Georgia Power Co.	7,632,034	124,092	158,671	191,243	2,828,944	—	—	3,108	250	1,952	2,404	282
Arkwright (GA).....	59,850	—	24,774	—	—	—	—	29	—	300	32	1
Atkinson (GA).....	—	23	65,745	—	—	—	—	—	*	956	—	27

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Georgia Power Co											
Barnett Shoals (GA)	—	—	—	719	—	—	—	—	—	—	—
Bartlett Ferry (GA)	—	—	—	25,589	—	—	—	—	—	—	—
Bowen (GA)	2,191,578	5,070	—	—	—	—	838	8	—	539	6
Burton (GA)	—	—	—	716	—	—	—	—	—	—	—
Estatoah (GA)	—	—	—	—	—	—	—	—	—	—	—
Flint River (GA)	—	—	—	3,075	—	—	—	—	—	—	—
Goat Rock (GA)	—	—	—	11,398	—	—	—	—	—	—	—
Hammond (GA)	434,558	179	—	—	—	—	150	*	—	183	2
Harlee Branch (GA)	727,984	310	—	—	—	—	267	*	—	247	2
Hatch, Edwin I. (GA)	—	—	—	—	1,175,805	—	—	—	—	—	—
Langdale (GA)	—	—	—	192	—	—	—	—	—	—	—
Lloyd Shoals (GA)	—	—	—	6,155	—	—	—	—	—	—	—
McDonough, J (GA)	309,827	81	37,334	—	—	—	116	*	331	105	—
Mcmanus (GA)	—	70,886	—	—	—	—	—	120	—	—	66
Mitchell, W (GA)	90,117	13,668	—	—	—	—	31	34	—	27	15
Morgan Falls (GA)	—	—	—	4,455	—	—	—	—	—	—	—
Nacoochee (GA)	—	—	—	473	—	—	—	—	—	—	—
North Highlands (GA)	—	—	—	7,900	—	—	—	—	—	—	—
Oliver Dam (GA)	—	—	—	13,517	—	—	—	—	—	—	—
Riverview (GA)	—	—	—	100	—	—	—	—	—	—	—
Robins (GA)	—	483	30,818	—	—	—	—	1	365	—	3
Scherer (GA)	2,058,338	962	—	—	—	—	993	2	—	937	20
Sinclair Dam (GA)	—	—	—	5,282	—	—	—	—	—	—	—
Tallah Falls (GA)	—	—	—	3,065	—	—	—	—	—	—	—
Terrora (GA)	—	—	—	1,326	—	—	—	—	—	—	—
Tugalo (GA)	—	—	—	3,628	—	—	—	—	—	—	—
Vogtle (GA)	—	—	—	—	1,653,139	—	—	—	—	—	—
Wallace Dam (GA)	—	—	—	102,516	—	—	—	—	—	—	—
Wansley (GA)	1,115,762	953	—	—	—	—	436	2	—	167	27
Wilson (GA)	—	31,477	—	—	—	—	—	83	—	—	110
Yates (GA)	644,020	—	—	—	—	—	248	—	—	166	3
Yonah (GA)	—	—	—	1,137	—	—	—	—	—	—	—
Glencoe (City of)											
Glencoe (MN)	—	256	268	—	—	—	—	*	3	—	1
Glencoe (MN)	—	256	268	—	—	—	—	*	3	—	1
Glendale (City of)											
Grayson (CA)	—	—	47,366	—	—	—	—	—	568	—	50
Grayson (CA)	—	—	47,366	—	—	—	—	—	568	—	50
Golden Valley Elec Assn											
Chena (AK)	13,950	22,353	—	—	—	—	13	46	—	—	3
Chena (AK)	—	—	—	—	—	—	—	—	—	—	1
Fairbanks (AK)	—	506	—	—	—	—	—	2	—	—	1
Healy (AK)	13,950	262	—	—	—	—	13	1	—	—	—
North Pole (AK)	—	21,585	—	—	—	—	—	43	—	—	2
Grand Haven (City of)											
Harbor Avenue (MI)	37,201	44	17	—	—	—	15	*	*	112	10
Harbor Avenue (MI)	—	44	17	—	—	—	—	*	*	—	10
J B Simms (MI)	37,201	—	—	—	—	—	15	—	—	112	—
Grand Island (City of)											
Burdick, C W (NE)	54,319	—	8,185	—	—	—	33	—	103	90	56
Burdick, C W (NE)	—	—	8,185	—	—	—	—	—	103	—	56
Platte (NE)	54,319	—	—	—	—	—	33	—	—	90	—
Grand River Dam Authority											
GRDA No 1 (OK)	610,628	—	1,874	42,902	—	—	375	—	20	686	1
GRDA No 1 (OK)	610,628	—	1,874	—	—	—	375	—	20	686	1
Markham (OK)	—	—	—	15,692	—	—	—	—	—	—	—
Pensacola (OK)	—	—	—	34,757	—	—	—	—	—	—	—
Salina (OK)	—	—	—	-7,547	—	—	—	—	—	—	—
Grant Pub Util Dist #2											
Pec Hdwks (WA)	—	—	—	732,695	—	—	—	—	—	—	—
Pec Hdwks (WA)	—	—	—	—	—	—	—	—	—	—	—
Priest Rapids (WA)	—	—	—	332,034	—	—	—	—	—	—	—
Quincy Chut (WA)	—	—	—	5,661	—	—	—	—	—	—	—
Wanapum (WA)	—	—	—	395,000	—	—	—	—	—	—	—
Green Mountain Power Corp											
Berlin (VT)	—	408	—	9,601	—	—	—	2	—	—	16
Berlin (VT)	—	288	—	—	—	—	—	1	—	—	14
Bolton Falls (VT)	—	—	—	1,713	—	—	—	—	—	—	—
Carthusians (VT)	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Green Mountain Power Corp											
Colchester (VT)	—	20	—	—	—	—	—	*	—	—	1
Essex Junction 19 (VT)	—	13	—	3,319	—	—	—	*	—	—	*
Gorge 18 (VT)	—	—	—	847	—	—	—	—	—	—	—
Marshfield 6 (VT)	—	—	—	624	—	—	—	—	—	—	—
Middlesex 2 (VT)	—	—	—	742	—	—	—	—	—	—	—
Vergennes 9 (VT)	—	87	—	630	—	—	—	*	—	—	*
Waterbury 22 (VT)	—	—	—	1,426	—	—	—	—	—	—	—
West Danville 15 (VT)	—	—	—	300	—	—	—	—	—	—	—
Greenville (City of)											
Steam (TX)	—	—	—	—	—	—	—	—	—	—	—
Steam (TX)	—	—	—	—	—	—	—	—	—	—	—
Greenwood Utils (City of)											
Henderson (MS)	—	—	11,190	—	—	—	—	—	160	9	6
Wright (MS)	—	—	9,990	—	—	—	—	—	149	9	4
Wright (MS)	—	—	1,200	—	—	—	—	—	11	*	2
Gulf Power Company											
Crist (FL)	804,603	5,109	47,462	—	—	—	365	9	539	285	1
Crist (FL)	510,647	280	47,462	—	—	—	233	1	539	218	1
Scholz (FL)	42,253	24	—	—	—	—	21	*	—	8	*
Smith (FL)	251,703	4,805	—	—	—	—	111	9	—	59	*
Gulf States Utilities Co											
Lewis Creek (TX)	369,054	442	2,248,987	12,412	681,442	—	239	1	26,433	142	639
Louisiana 1 (LA)	—	—	286,127	—	—	—	—	—	3,391	—	34
Louisiana 2 (LA)	—	—	135,717	—	—	—	—	—	1,234	—	—
Neches (TX)	—	—	—	—	—	—	—	—	—	—	—
Nelson, R S (LA)	369,054	438	304,656	—	—	—	239	1	3,301	142	110
River Bend (LA)	—	—	—	—	681,442	—	—	—	—	—	—
Sabine (TX)	—	4	881,432	—	—	—	—	*	7,745	—	*
Toledo Bend (TX)	—	—	—	12,412	—	—	—	—	—	—	—
Willow Glen (LA)	—	—	641,055	—	—	—	—	—	10,762	—	496
GPU Nuclear Corp											
Oyster Creek (NJ)	—	—	—	—	1,036,360	—	—	—	—	—	—
Three Mile Island (PA)	—	—	—	—	445,520	—	—	—	—	—	—
Three Mile Island (PA)	—	—	—	—	590,840	—	—	—	—	—	—
Hamilton (City of)											
Hamilton (OH)	33,981	6	4,136	29,113	—	—	18	*	53	7	3
Hamilton (OH)	33,981	6	4,136	—	—	—	18	*	53	7	3
Hamilton Hydro (OH)	—	—	—	416	—	—	—	—	—	—	—
Vanceburg Hydro (KY)	—	—	—	28,697	—	—	—	—	—	—	—
Hastings (City of)											
Don Henry (NE)	42,912	—	3,218	—	—	—	29	—	44	40	4
Don Henry (NE)	—	—	483	—	—	—	—	—	8	—	1
Hastings (NE)	42,912	—	—	—	—	—	29	—	—	40	3
North Denver (NE)	—	—	2,735	—	—	—	—	—	36	—	—
Hawaii Electric Light Co											
Kanoelehua (HI)	—	56,750	—	670	—	—	—	125	—	—	55
Kanoelehua (HI)	—	3,036	—	—	—	—	—	6	—	—	4
Keahole (HI)	—	9,158	—	—	—	—	—	20	—	—	6
Puna (HI)	—	19,147	—	—	—	—	—	44	—	—	17
Puueo (HI)	—	—	—	—	—	—	—	—	—	—	—
Shipman (HI)	—	4,738	—	—	—	—	—	13	—	—	6
W. H. Hill (HI)	—	19,564	—	—	—	—	—	40	—	—	21
Waiiau (HI)	—	—	—	670	—	—	—	—	—	—	—
Waimea (HI)	—	1,107	—	—	—	—	—	2	—	—	2
Hawaiian Elec Co Inc											
Honolulu (HI)	—	395,800	—	—	—	—	—	663	—	—	766
Honolulu (HI)	—	6,277	—	—	—	—	—	15	—	—	59
Kahe (HI)	—	266,945	—	—	—	—	—	435	—	—	209
Oil Storage (CA)	—	—	—	—	—	—	—	—	—	—	319
Waiiau (HI)	—	122,578	—	—	—	—	—	214	—	—	179
Henderson (City of)											
Henderson (KY)	8,132	2	—	—	—	—	5	*	—	1	*
Henderson (KY)	8,132	2	—	—	—	—	5	*	—	1	*
Hetch Hetchy Water & Pwr											
Holm, Dion R (CA)	—	—	—	154,443	—	—	—	—	—	—	—
Holm, Dion R (CA)	—	—	—	62,835	—	—	—	—	—	—	—
Kirkwood, Robert C (CA)	—	—	—	52,783	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Hetch Hetchy Water & Pwr											
Moccasin (CA).....	—	—	—	38,199	—	—	—	—	—	—	—
Moccasin Low (CA).....	—	—	—	626	—	—	—	—	—	—	—
Hibbing (City of)											
Hibbing (MN).....	1,243	—	—	—	—	—	2	—	—	*	—
Hibbing (MN).....	1,243	—	—	—	—	—	2	—	—	*	—
Holland (City of)											
James De Young (MI).....	29,465	365	12,951	—	—	—	15	1	171	55	7
48 Street (MI).....	—	9	6	—	—	—	15	*	*	55	*
6Th Street (MI).....	—	308	12,945	—	—	—	—	1	171	—	6
6Th Street (MI).....	—	48	—	—	—	—	—	*	—	—	*
Holyoke (City of)											
Cabot-Holyoke (MA).....	—	4	106	356	—	—	—	*	6	—	21
Cabot-Holyoke (MA).....	—	4	106	356	—	—	—	*	6	—	21
Holyoke Wtr Pwr Co											
Boatlock (MA).....	83,728	126	—	12,791	—	—	32	*	—	86	*
Boatlock (MA).....	—	—	—	436	—	—	—	—	—	—	—
Chemical (MA).....	—	—	—	87	—	—	—	—	—	—	—
Hadley Falls (MA).....	—	—	—	10,815	—	—	—	—	—	—	—
Holbrook, Beebe (MA).....	—	—	—	46	—	—	—	—	—	—	—
Mt Tom (MA).....	83,728	126	—	—	—	—	32	*	—	86	*
Riverside (MA).....	—	—	—	1,492	—	—	—	—	—	—	—
Skinner (MA).....	—	—	—	-85	—	—	—	—	—	—	—
Homestead (City of)											
G W Ivey (FL).....	—	1,084	9,752	—	—	—	—	3	95	—	5
G W Ivey (FL).....	—	1,084	9,752	—	—	—	—	3	95	—	5
Hoosier Energy Rural											
Merom (IN).....	795,417	746	—	—	—	—	378	1	—	584	10
Merom (IN).....	647,039	677	—	—	—	—	311	1	—	547	10
Ratts (IN).....	148,378	69	—	—	—	—	68	*	—	37	*
Houston Lighting & Pwr Co											
Bertron, Sam (TX).....	2,802,661	82	3,472,986	—	1,831,217	—	1,951	*	35,005	1,155	185
Bertron, Sam (TX).....	—	—	125,742	—	—	—	—	—	1,351	—	—
Cedar Bayou (TX).....	—	—	982,442	—	—	—	—	—	9,705	—	109
Clarke, Hiram (TX).....	—	—	2,069	—	—	—	—	—	37	—	—
Deepwater (TX).....	—	—	14,911	—	—	—	—	—	187	—	—
Greens Bayou (TX).....	—	82	125,061	—	—	—	—	*	1,444	—	76
Limestone (TX).....	1,122,391	—	316	—	—	—	896	—	3	474	—
Oil Storage (TX).....	—	—	—	—	—	—	—	—	—	—	—
Parish, W A (TX).....	1,680,270	—	453,869	—	—	—	1,055	—	4,650	681	—
Robinson, P H (TX).....	—	—	1,109,477	—	—	—	—	—	11,019	—	—
San Jacinto (TX).....	—	—	119,327	—	—	—	—	—	1,362	—	—
South Texas (TX).....	—	—	—	—	1,831,217	—	—	—	—	—	—
Webster (TX).....	—	—	164,448	—	—	—	—	—	1,664	—	—
Wharton, T H (TX).....	—	—	375,324	—	—	—	—	—	3,583	—	—
Hutchinson (City of)											
Plant No. 1 (MN).....	—	836	31,557	—	—	—	—	2	279	—	5
Plant No. 1 (MN).....	—	36	4,615	—	—	—	—	*	52	—	2
Plant No. 2 (MN).....	—	800	26,942	—	—	—	—	2	227	—	3
Idaho Power Co											
American Falls (ID).....	—	3	—	646,905	—	—	—	*	—	—	*
American Falls (ID).....	—	—	—	59,360	—	—	—	—	—	—	—
Bliss (ID).....	—	—	—	30,766	—	—	—	—	—	—	—
Brownlee (ID).....	—	—	—	170,660	—	—	—	—	—	—	—
Cascade (ID).....	—	—	—	6,988	—	—	—	—	—	—	—
Clear Lake (ID).....	—	—	—	1,341	—	—	—	—	—	—	—
Hells Canyon (OR).....	—	—	—	149,038	—	—	—	—	—	—	—
Lower Malad (ID).....	—	—	—	10,443	—	—	—	—	—	—	—
Lower Salmon (ID).....	—	—	—	22,026	—	—	—	—	—	—	—
Milner (ID).....	—	—	—	10,803	—	—	—	—	—	—	—
Oxbow (OR).....	—	—	—	80,493	—	—	—	—	—	—	—
Salmon (ID).....	—	3	—	—	—	—	—	*	—	—	*
Shoshone Falls (ID).....	—	—	—	10,211	—	—	—	—	—	—	—
Strike, C J (ID).....	—	—	—	35,612	—	—	—	—	—	—	—
Swan Falls (ID).....	—	—	—	9,868	—	—	—	—	—	—	—
Thousand Springs (ID).....	—	—	—	4,982	—	—	—	—	—	—	—
Twin Falls (ID).....	—	—	—	13,727	—	—	—	—	—	—	—
Upper Malad (ID).....	—	—	—	5,422	—	—	—	—	—	—	—
Upper Salmon (ID).....	—	—	—	12,594	—	—	—	—	—	—	—
Upper Salmon (ID).....	—	—	—	12,571	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Illinois Power Co.	1,719,509	31,068	23,669	—	-7,559	—	844	30	385	277	76
Baldwin (IL).....	1,083,909	322	—	—	—	—	530	1	—	—	2
Clinton (IL).....	—	—	—	—	-7,559	—	—	—	—	—	—
Havana (IL).....	238,526	15,991	136	—	—	—	120	29	2	65	66
Hennepin (IL).....	134,357	14,746	751	—	—	—	66	—	8	52	—
Oglesby (IL).....	—	—	1,381	—	—	—	—	—	26	—	8
Stallings (IL).....	—	—	2,258	—	—	—	—	—	47	—	—
Vermilion (IL).....	76,037	9	1,131	—	—	—	41	*	13	35	*
Wood River (IL).....	186,680	—	18,012	—	—	—	86	—	290	124	—
Imperial Irrigation Dist.	—	80	92,516	28,666	—	—	—	*	973	—	135
Brawley (CA).....	—	—	—	—	—	—	—	—	—	—	—
Coachella (CA).....	—	—	1,516	—	—	—	—	—	23	—	12
Double Weir (CA).....	—	—	—	—	—	—	—	—	—	—	—
Drop No 1 (CA).....	—	—	—	2,074	—	—	—	—	—	—	—
Drop No. 5 (CA).....	—	—	—	1,816	—	—	—	—	—	—	—
Drop 2 (CA).....	—	—	—	5,948	—	—	—	—	—	—	—
Drop 3 (CA).....	—	—	—	5,584	—	—	—	—	—	—	—
Drop 4 (CA).....	—	—	—	11,530	—	—	—	—	—	—	—
E Highline (CA).....	—	—	—	609	—	—	—	—	—	—	—
El Centro (CA).....	—	—	90,851	—	—	—	—	—	935	—	105
Pilot Knob (CA).....	—	—	—	1,105	—	—	—	—	—	—	—
Rockwood (CA).....	—	80	149	—	—	—	—	*	16	—	18
Turnip (CA).....	—	—	—	—	—	—	—	—	—	—	—
Independence (City of)	40,000	727	5,469	—	—	—	25	2	83	24	16
Blue Valley (MO).....	36,425	-8	2,279	—	—	—	23	—	29	11	14
Jackson Square (MO).....	—	437	—	—	—	—	—	1	—	—	*
Missouri City (MO).....	3,575	100	—	—	—	—	2	*	—	13	*
Station H (MO).....	—	13	3,190	—	—	—	—	*	54	—	1
Station I (MO).....	—	185	—	—	—	—	—	1	—	—	*
Indiana Michigan Power Co.	2,253,238	3,341	—	9,557	—	—	1,209	6	—	1,326	39
Berrien Springs (MI).....	—	—	—	3,109	—	—	—	—	—	—	—
Buchanan (MI).....	—	—	—	1,656	—	—	—	—	—	—	—
Constantine (MI).....	—	—	—	311	—	—	—	—	—	—	—
Cook, Donald C. (MI).....	—	—	—	—	—	—	—	—	—	—	—
Elkhart (IN).....	—	—	—	1,480	—	—	—	—	—	—	—
Fourth Street (IN).....	—	—	—	—	—	—	—	—	—	—	*
Mottville (MI).....	—	—	—	459	—	—	—	—	—	—	—
Rockport (IN).....	1,670,661	2,004	—	—	—	—	972	4	—	1,187	35
Tanners Creek (IN).....	582,577	1,337	—	—	—	—	237	2	—	138	4
Twin Branch (IN).....	—	—	—	2,542	—	—	—	—	—	—	—
Indiana Mun Power Agency	—	7	4,361	—	—	—	—	*	57	—	2
Anderson (IN).....	—	7	4,361	—	—	—	—	*	57	—	2
Indiana-Kentucky El Corp	779,843	331	—	—	—	—	351	1	—	669	3
Clifty Creek (IN).....	779,843	331	—	—	—	—	351	1	—	669	3
Indianapolis Pwr & Lgt Co	1,498,699	1,328	15,409	—	—	—	713	4	167	1,284	45
Perry K (IN).....	—	—	3,540	—	—	—	—	—	—	54	5
Petersburg (IN).....	1,053,011	193	—	—	—	—	496	*	—	904	9
Pritchard, H T (IN).....	120,464	719	—	—	—	—	64	1	—	107	13
Stout, Elmer W (IN).....	325,224	416	11,869	—	—	—	154	2	167	219	19
Indianola (City of)	—	-39	-2	—	—	—	—	*	*	—	9
Indianola (IA).....	—	-39	-2	—	—	—	—	*	*	—	9
International Bound & Water											
Comm	—	—	—	6,981	—	—	—	—	—	—	—
Amistad (TX).....	—	—	—	5,277	—	—	—	—	—	—	—
Falcon (TX).....	—	—	—	1,704	—	—	—	—	—	—	—
Interstate Power Co.	279,328	1,827	24,122	—	—	—	164	5	289	347	21
Dubuque (IA).....	31,420	13	310	—	—	—	19	*	4	68	*
Fox Lake (MN).....	—	296	23,550	—	—	—	—	1	282	—	13
Hills (MN).....	—	-9	—	—	—	—	—	—	—	—	*
Kapp, M L (IA).....	105,235	—	262	—	—	—	48	—	3	53	—
Lansing (IA).....	142,673	205	—	—	—	—	97	*	—	226	2

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Interstate Power Co											
Lime Creek (IA).....	—	1,243	—	—	—	—	—	3	—	—	4
Montgomery (MN).....	—	82	—	—	—	—	—	*	—	—	2
New Albin (IA).....	—	-3	—	—	—	—	—	—	—	—	*
Rushford (MN).....	—	—	—	—	—	—	—	—	—	—	—
Iola (City of)	—	1,017	1,872	—	—	—	—	3	36	—	1
Iola (KS).....	—	1,017	1,872	—	—	—	—	3	36	—	1
IES Utilities Co											
Ames (IA).....	—	8	—	—	—	—	—	*	—	—	1
Anamosa (IA).....	—	—	—	127	—	—	—	—	—	—	—
Arnold, Duane (IA).....	—	—	—	—	383,424	—	—	—	—	—	—
Burlington (IA).....	89,968	—	958	—	—	—	58	—	18	49	*
Centerville (IA).....	—	-26	—	—	—	—	—	*	—	—	5
Grinnell (IA).....	—	—	1,338	—	—	—	—	—	20	—	—
Iowa Falls (IA).....	—	—	—	74	—	—	—	—	—	—	—
Maquoketa (IA).....	—	—	—	644	—	—	—	—	—	—	—
Marshalltown (IA).....	—	4,263	—	—	—	—	—	11	—	—	20
Ottumwa (IA).....	420,485	598	—	—	—	—	277	1	—	324	11
Prairie Creek (IA).....	83,227	52	3,330	—	—	—	53	*	36	99	*
Sutherland (IA).....	86,634	—	4,635	—	—	—	56	—	54	121	—
6Th Street (IA).....	11,331	—	6,921	—	—	2,811	11	—	136	4	1
Jacksonville (City of)	744,989	561,005	51,671	—	—	—	300	647	510	271	966
Kennedy, J D (FL).....	—	55,651	225	—	—	—	—	104	2	—	106
Northside (FL).....	—	283,832	40,079	—	—	—	—	463	386	—	742
Southside (FL).....	—	44,194	11,367	—	—	—	—	79	121	—	107
St. Johns River.....	744,989	177,328	—	—	—	—	300	2	—	271	11
Jamestown (City of)	21,094	45	—	—	—	—	12	*	—	4	*
Carlson, S A (NY).....	21,094	45	—	—	—	—	12	*	—	4	*
Jersey Central Power&Light											
Co.....	—	26,166	104,452	-14,803	—	—	—	27	1,374	—	261
Forked River (NJ).....	—	6	9,709	—	—	—	—	*	126	—	7
Gardner, Glen (NJ).....	—	24	5,660	—	—	—	—	*	93	—	21
Gilbert (NJ).....	—	18,045	67,076	—	—	—	—	4	828	—	125
Sayreville (NJ).....	—	31	22,007	—	—	—	—	*	327	—	77
Werner (NJ).....	—	8,060	—	—	—	—	—	23	—	—	31
Yards Creek (NJ).....	—	—	—	-14,803	—	—	—	—	—	—	—
Kansas City (City of)	207,199	4,114	2,642	—	—	—	122	12	52	283	14
Kaw (KS).....	—	—	—	—	—	—	—	—	—	—	*
Nearman Creek (KS).....	98,073	1,036	—	—	—	—	66	2	—	200	4
Quindaro (KS).....	109,126	3,078	2,642	—	—	—	56	10	52	82	10
Kansas City Pwr & Lgt Co	1,509,531	38,463	41,765	—	—	—	971	89	439	1,285	136
Grand Ave (MO).....	—	—	—	—	—	—	—	—	—	—	—
Hawthorn (MO).....	117,919	—	41,765	—	—	—	76	—	439	223	5
Iatan (MO).....	325,918	1,783	—	—	—	—	190	3	—	352	8
La Cygne (KS).....	806,780	2,830	—	—	—	—	537	6	—	526	16
Montrose (MO).....	258,914	415	—	—	—	—	168	1	—	183	10
Northeast (MO).....	—	33,435	—	—	—	—	—	80	—	—	96
Kauai Electric Company	—	28,603	—	—	—	—	—	53	—	—	—
Port Allen (HI).....	—	28,603	—	—	—	—	—	53	—	—	—
Kennett (City of)	—	283	116	—	—	—	—	1	1	—	1
Kennett (MO).....	—	283	116	—	—	—	—	1	1	—	1
Kentucky Power Co	709,862	214	—	—	—	—	274	*	—	351	7
Big Sandy (KY).....	709,862	214	—	—	—	—	274	*	—	351	7
Kentucky Utilities Co	1,707,179	1,233	66,095	431	—	—	735	3	671	746	78
Brown, E W (KY).....	359,996	105	65,039	—	—	—	157	*	657	107	53
Dix Dam (KY).....	—	—	—	-3	—	—	—	—	—	—	—
Ghent (KY).....	1,187,522	940	—	—	—	—	494	2	—	580	10
Green River (KY).....	116,290	119	—	—	—	—	63	1	—	44	1
Haefling (KY).....	—	—	1,056	—	—	—	—	—	14	—	4

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Kentucky Utilities Co											
Lock 7 (KY).....	—	—	—	434	—	—	—	—	—	—	—
Pineville (KY).....	14,357	3	—	—	—	—	8	*	—	3	*
Tyrone (KY).....	29,014	66	—	—	—	—	14	*	—	13	10
Key West (City of)											
Big Pine (FL).....	—	3,165	—	—	—	—	—	8	—	—	52
Cudjoe (FL).....	—	79	—	—	—	—	—	*	—	—	1
Key West (FL).....	—	566	—	—	—	—	—	1	—	—	2
Stock Island (FL).....	—	328	—	—	—	—	—	2	—	—	—
Stock Island D 1 (FL).....	—	210	—	—	—	—	—	*	—	—	50
Stock Island D 1 (FL).....	—	1,982	—	—	—	—	—	4	—	—	—
Kings River Conserv Dist											
Pine Flat (CA).....	—	—	—	118,800	—	—	—	—	—	—	—
Pine Flat (CA).....	—	—	—	118,800	—	—	—	—	—	—	—
Kissimmee (City of)											
Cane Island (FL).....	—	1,885	127,361	—	—	—	—	4	670	—	32
Kissimmee (FL).....	—	1,528	115,295	—	—	—	—	3	558	—	16
Kissimmee (FL).....	—	357	12,066	—	—	—	—	1	112	—	16
Kodiak Electric Assn Inc											
Kodiak A (AK).....	—	2,078	—	8,840	—	—	—	4	—	—	1
Port Lions (AK).....	—	2,082	—	—	—	—	—	4	—	—	1
Terror Lake (AK).....	—	-4	—	—	—	—	—	—	—	—	*
Terror Lake (AK).....	—	—	—	8,840	—	—	—	—	—	—	—
KG&E - Western Resources											
Evans, Gordon (KS).....	—	—	252,791	—	—	—	—	—	2,676	—	306
Gill, Murray (KS).....	—	—	150,274	—	—	—	—	—	1,422	—	119
Neosho (KS).....	—	—	102,517	—	—	—	—	—	1,254	—	187
Neosho (KS).....	—	—	—	—	—	—	—	—	—	—	—
KPL - Western Resources											
Abilene (KS).....	1,449,897	1,631	67,326	—	—	—	894	4	918	1,502	197
Hutchinson (KS).....	—	—	868	—	—	—	—	—	32	—	15
Jeffrey (KS).....	—	658	65,011	—	—	—	—	2	856	—	144
Lawrence (KS).....	1,244,256	973	—	—	—	—	785	2	—	1,081	35
Tecumseh (KS).....	89,560	—	1,196	—	—	—	49	—	14	352	2
Tecumseh (KS).....	116,081	—	251	—	—	—	60	—	17	69	1
Lafayette Util Sys (City)											
Doc Bonin (LA).....	—	—	92,037	—	—	—	—	—	995	—	121
Rodemacher (LA).....	—	—	92,045	—	—	—	—	—	995	—	121
Rodemacher (LA).....	—	—	-8	—	—	—	—	—	—	—	—
Lake Worth (City of)											
Smith, Tom G (FL).....	—	3,093	21,103	—	—	—	—	7	232	—	6
Smith, Tom G (FL).....	—	3,093	21,103	—	—	—	—	7	232	—	6
Lakeland (City of)											
Larsen Memorial (FL).....	185,132	52,062	85,970	—	—	—	74	57	926	182	64
Mcintosh, C D (FL).....	—	8,296	35,999	—	—	—	—	33	375	—	7
Mcintosh, C D (FL).....	185,132	43,766	49,971	—	—	—	74	25	551	182	57
Lamar (City of)											
Lamar (CO).....	—	—	8,315	—	—	—	—	—	111	—	6
Lamar (CO).....	—	—	8,315	—	—	—	—	—	111	—	6
Lansing (City of)											
Eckert Station (MI).....	235,018	764	—	46	—	—	122	2	—	71	1
Erickson (MI).....	141,452	630	—	—	—	—	84	1	—	10	*
Moore's Park (MI).....	93,566	134	—	—	—	—	38	*	—	61	*
Moore's Park (MI).....	—	—	—	46	—	—	—	—	—	—	—
Lea County Elec Coop											
North Lovington (NM).....	—	—	—	—	—	—	—	—	—	—	—
Lebanon (City of)											
Lebanon (OH).....	—	64	—	—	—	—	—	*	—	—	1
Lebanon (OH).....	—	64	—	—	—	—	—	*	—	—	1
Lincoln (City of)											
Lincoln J Street (NE).....	—	5	9,439	—	—	—	—	*	125	—	28
Rokeby (NE).....	—	—	171	—	—	—	—	—	3	—	4
Rokeby (NE).....	—	5	9,268	—	—	—	—	*	123	—	24
Logansport (City of)											
Logansport (IN).....	19,888	—	4	—	—	—	12	—	*	3	2
Logansport (IN).....	19,888	—	4	—	—	—	12	—	*	3	2
Long Island Lighting Co											
Barrett, E F (NY).....	—	511,512	818,021	—	—	—	—	902	8,775	—	1,438
Barrett, E F (NY).....	—	2,160	204,714	—	—	—	—	4	2,190	—	320

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Long Island Lighting Co											
Brookhaven (NY).....	—	22,479	—	—	—	—	—	48	—	—	35
East Hampton (NY).....	—	5,405	—	—	—	—	—	13	—	—	2
Far Rockway (NY).....	—	—	36,989	—	—	—	—	—	417	—	1
Glenwood (NY).....	—	1,933	97,989	—	—	—	—	5	1,101	—	21
Holbrook (NY).....	—	27,115	—	—	—	—	—	67	—	—	77
Montauk (NY).....	—	779	—	—	—	—	—	1	—	—	*
Northport (NY).....	—	363,467	380,835	—	—	—	—	604	4,038	—	630
Port Jefferson (NY).....	—	81,205	97,494	—	—	—	—	139	1,029	—	336
Shoreham (NY).....	—	510	—	—	—	—	—	1	—	—	7
Southampton (NY).....	—	3,004	—	—	—	—	—	10	—	—	1
Southold (NY).....	—	2,066	—	—	—	—	—	6	—	—	*
West Babylon (NY).....	—	1,389	—	—	—	—	—	3	—	—	6
Los Angeles (City of).....	1,102,289	41	893,292	72,455	—	9,824	479	1	8,879	913	420
Big Pine Creek (CA).....	—	—	—	2,185	—	—	—	—	—	—	—
Castaic (CA).....	—	—	—	-39,844	—	—	—	—	—	—	—
Control Gorge (CA).....	—	—	—	14,577	—	—	—	—	—	—	—
Cottonwood (CA).....	—	—	—	1,214	—	—	—	—	—	—	—
Division Creek (CA).....	—	—	—	477	—	—	—	—	—	—	—
Foothill (CA).....	—	—	—	7,172	—	—	—	—	—	—	—
Franklin Canyon (CA).....	—	—	—	1,273	—	—	—	—	—	—	—
Haiwee (CA).....	—	—	—	2,663	—	—	—	—	—	—	—
Harbor (CA).....	—	—	112,350	—	—	—	—	—	961	—	12
Haynes (CA).....	—	—	501,660	—	—	—	—	—	5,149	—	368
Intermountain (UT).....	1,102,289	41	—	—	—	—	479	1	—	913	28
Middle Gorge (CA).....	—	—	—	14,625	—	—	—	—	—	—	—
Pleasant Valley (CA).....	—	—	—	1,280	—	—	—	—	—	—	—
San Fernando (CA).....	—	—	—	4,411	—	—	—	—	—	—	—
San Francisquito 1 (CA).....	—	—	—	34,837	—	—	—	—	—	—	—
San Francisquito 2 (CA).....	—	—	—	12,341	—	—	—	—	—	—	—
Sawtelle (CA).....	—	—	—	349	—	—	—	—	—	—	—
Scattergood (CA).....	—	—	279,842	—	—	9,824	—	—	2,768	—	—
Upper Gorge (CA).....	—	—	—	14,895	—	—	—	—	—	—	—
Valley (CA).....	—	—	-560	—	—	—	—	—	—	—	12
Louisiana Pwr & Light Co.....	—	—	1,505,012	—	810,823	—	—	—	15,829	—	752
Buras (LA).....	—	—	331	—	—	—	—	—	7	—	2
Litle Gypsy (LA).....	—	—	452,278	—	—	—	—	—	4,771	—	76
Monroe (LA).....	—	—	—	—	—	—	—	—	—	—	—
Nine Mile Point (LA).....	—	—	743,068	—	—	—	—	—	7,730	—	235
Sterlington (LA).....	—	—	155,897	—	—	—	—	—	1,552	—	10
Thibodaux (LA).....	—	—	—	—	—	—	—	—	—	—	—
Waterford (LA).....	—	—	—	—	810,823	—	—	—	—	—	—
Waterford (LA).....	—	—	153,438	—	—	—	—	—	1,769	—	428
Louisville Gas & Elec Co.....	1,385,876	3,730	7,013	25,862	—	—	617	6	83	1,130	22
Cane Run (KY).....	321,742	—	3,156	—	—	—	148	—	32	75	1
Mill Creek (KY).....	734,776	3,190	1,432	—	—	—	330	6	14	627	17
Ohio Falls (KY).....	—	—	—	25,862	—	—	—	—	—	—	—
Paddys Run (KY).....	—	—	1,379	—	—	—	—	—	21	—	—
Trimble County (KY).....	329,358	540	—	—	—	—	140	1	—	428	3
Waterside (KY).....	—	—	488	—	—	—	—	—	6	—	—
Zorn (KY).....	—	—	558	—	—	—	—	—	11	—	—
Lower Colorado River Auth.....	694,596	—	313,443	46,641	—	—	453	—	3,319	465	201
Austin (TX).....	—	—	—	4,805	—	—	—	—	—	—	—
Buchanan (TX).....	—	—	—	7,278	—	—	—	—	—	—	—
Granite Shoals (TX).....	—	—	—	9,577	—	—	—	—	—	—	—
Inks (TX).....	—	—	—	3,144	—	—	—	—	—	—	—
Mansfield (TX).....	—	—	—	15,185	—	—	—	—	—	—	—
Marble Falls (TX).....	—	—	—	6,652	—	—	—	—	—	—	—
Sam K Seymour, jr (TX).....	694,596	—	—	—	—	—	453	—	—	465	20
Sim Gideon (TX).....	—	—	189,477	—	—	—	—	—	2,014	—	103
T. C. Ferguson (TX).....	—	—	123,966	—	—	—	—	—	1,305	—	79
Lubbock (City of).....	—	—	51,509	—	—	—	—	—	644	—	—
Holly Ave (TX).....	—	—	37,414	—	—	—	—	—	481	—	—
LP&L Co GEN.....	—	—	13,115	—	—	—	—	—	146	—	—
Plant 2 (TX).....	—	—	980	—	—	—	—	—	17	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Madison Gas & Elec Co.	32,183	150	23,382	—	—	2,037	20	*	361	18	6
Blount Street (WI).....	32,183	150	16,959	—	—	2,037	20	*	252	18	1
Fitchburg (WI).....	—	—	4,505	—	—	—	—	—	76	—	2
Nine Springs (WI).....	—	—	-7	—	—	—	—	—	—	—	*
Sycamore (WI).....	—	—	1,925	—	—	—	—	—	33	—	2
Maine Public Service Co.	—	-69	—	237	—	—	—	—	—	—	1
Caribou (ME).....	—	-48	—	240	—	—	—	—	—	—	1
Flos Inn (ME).....	—	-21	—	—	—	—	—	—	—	—	*
Squa Pan (ME).....	—	—	—	-3	—	—	—	—	—	—	—
Maine Yankee Atomic Pwr C.	—	—	—	—	—	—	—	—	—	—	—
Maine Yankee (ME).....	—	—	—	—	—	—	—	—	—	—	—
Manitowoc (City of)	17,611	8,507	87	—	—	—	9	*	1	15	1
Manitowoc (WI).....	17,611	8,507	87	—	—	—	9	*	1	15	1
Marquette (City of)	19,805	160	—	372	—	—	14	*	—	32	4
Plant Four (MI).....	—	132	—	—	—	—	—	*	—	—	3
Plant Two (MI).....	—	—	—	288	—	—	—	—	—	—	—
Russell, Frank J (MI).....	—	—	—	84	—	—	—	—	—	—	—
Shiras (MI).....	19,805	28	—	—	—	—	14	*	—	32	1
Marshall (City of)	4,882	246	4,964	—	—	—	3	1	73	4	4
Marshall (MO).....	4,882	246	4,964	—	—	—	3	1	73	4	4
Mass Mun Wholesale Elec.	—	30,691	89,149	—	—	—	—	—	51	802	—
Stonybrook (MA).....	—	30,691	89,149	—	—	—	—	—	51	802	290
Maui Electric Co Ltd.	—	94,809	—	—	—	—	—	—	162	—	155
Cook (HI).....	—	3,400	—	—	—	—	—	—	6	—	8
Kahului (HI).....	—	17,573	—	—	—	—	—	—	38	—	47
Lanai City (HI).....	—	—	—	—	—	—	—	—	—	—	—
Maalaea (HI).....	—	71,411	—	—	—	—	—	—	114	—	97
Miki Basin (HI).....	—	2,425	—	—	—	—	—	—	4	—	2
Mcperson (City of)	—	306	8,028	—	—	—	—	—	1	194	—
Plant No. 2 (KS).....	—	306	8,028	—	—	—	—	—	1	194	18
Medina Electric Coop Inc.	—	—	4,680	—	—	—	—	—	63	—	18
Pearsall (TX).....	—	—	4,680	—	—	—	—	—	63	—	18
Merced Irrigation Dist.	—	—	—	65,752	—	—	—	—	—	—	—
Canal Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Exchequer (CA).....	—	—	—	57,710	—	—	—	—	—	—	—
Fairfield (CA).....	—	—	—	451	—	—	—	—	—	—	—
Mcswain (CA).....	—	—	—	6,361	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	1,230	—	—	—	—	—	—	—
Metropolitan Edison Co.	346,789	9,413	25,360	6,837	—	—	136	39	311	58	66
Hamilton (PA).....	—	1,436	—	—	—	—	—	8	—	—	3
Hunterstown (PA).....	—	4	7,224	—	—	—	—	*	112	—	8
Mountain (PA).....	—	25	3,974	—	—	—	—	*	60	—	6
Orrtanna (PA).....	—	1,194	—	—	—	—	—	7	—	—	4
Portland (PA).....	214,990	3,318	12,639	—	—	—	82	6	123	39	31
Shawnee (PA).....	—	693	—	—	—	—	—	2	—	—	4
Titus (PA).....	131,799	178	1,523	—	—	—	55	*	16	19	5
Tolna (PA).....	—	2,565	—	—	—	—	—	15	—	—	5
Yorkhaven (PA).....	—	—	—	6,837	—	—	—	—	—	—	—
Michigan So Cent Pwr Agen.	26,345	2,846	—	—	—	—	14	*	—	22	6
Project I (MI).....	26,345	2,846	—	—	—	—	14	*	—	22	6
MidAmerican Energy	1,492,997	7,237	52,657	957	—	—	944	16	748	1,102	62
Coralville (IA).....	—	—	243	—	—	—	—	—	4	—	—
Council Bluffs (IA).....	505,668	365	3,134	—	—	—	331	1	35	417	12
Electrifarm (IA).....	—	—	22,852	—	—	—	—	—	288	—	10
Louisa (IA).....	413,803	1	372	—	—	—	261	*	4	294	2
Moline (IL).....	—	—	237	957	—	—	—	—	5	—	—
Neal, George (IA).....	522,574	—	660	—	—	—	317	—	7	291	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
MidAmerican Energy												
Parr (IA).....	—	—	1,918	—	—	—	—	—	30	—	—	2
Pleasant Hill (IA).....	—	6,871	—	—	—	—	—	16	—	—	—	24
River Hills (IA).....	—	—	5,991	—	—	—	—	—	104	—	—	4
Riverside (IA).....	50,952	—	1,624	—	—	—	35	—	19	100	—	—
Sycamore (IA).....	—	—	15,626	—	—	—	—	—	253	—	—	8
Minden (City of).....	—	33	2,244	—	—	—	—	*	30	—	—	*
Minden (LA).....	—	33	2,244	—	—	—	—	*	30	—	—	*
Minnesota Power Inc.....												
Blanchard (MN).....	581,354	1,293	—	11,003	—	—	—	355	3	—	389	7
Boswell (MN).....	—	—	—	5,913	—	—	—	—	—	—	—	—
Fond Du Lac (MN).....	528,443	1,168	—	—	—	—	319	2	—	—	337	6
Hibbard, M L (MN).....	—	—	—	479	—	—	—	—	—	—	—	—
Knife Falls (MN).....	—	—	—	180	—	—	—	—	—	—	—	—
Laskin (MN).....	52,911	125	—	—	—	—	36	*	—	—	53	*
Little Falls (MN).....	—	—	—	2,134	—	—	—	—	—	—	—	—
Pillager (MN).....	—	—	—	791	—	—	—	—	—	—	—	—
Prairie River (MN).....	—	—	—	57	—	—	—	—	—	—	—	—
Scanlon (MN).....	—	—	—	161	—	—	—	—	—	—	—	—
Sylvan (MN).....	—	—	—	903	—	—	—	—	—	—	—	—
Thompson (MN).....	—	—	—	27	—	—	—	—	—	—	—	—
Winton (MN).....	—	—	—	358	—	—	—	—	—	—	—	—
Minnkota Power Coop Inc.....												
Grand Forks (ND).....	452,517	942	—	—	—	—	395	2	—	—	457	20
Harwood (ND).....	—	—	—	—	—	—	—	—	—	—	—	—
Young, Milton R (ND).....	452,517	942	—	—	—	—	395	2	—	—	457	20
Minnkota Power Coop Inc.....												
Hawley (MN).....	—	—	—	—	—	—	—	—	—	—	—	—
Mississippi Power Co.....												
Daniel, Victor J Jr. (MS).....	1,064,647	749	290,820	—	—	—	543	1	4,715	—	462	35
Eaton (MS).....	576,122	749	—	—	—	—	322	1	—	—	283	3
Standard Oil (MS).....	—	—	37,756	—	—	—	—	—	493	—	—	—
Sweatt (MS).....	—	—	94,609	—	—	—	—	—	2,365	—	—	—
Watson (MS).....	—	—	48,175	—	—	—	—	—	615	—	—	3
Wilson (MS).....	488,525	—	110,280	—	—	—	221	—	1,241	179	—	29
Mississippi Pwr & Lgt Co.....												
Andrus (MS).....	—	508,644	521,115	—	—	—	—	846	5,004	—	—	1,193
Brown, Rex (MS).....	—	358,580	—	—	—	—	—	558	—	—	—	578
Delta (MS).....	—	256	87,888	—	—	—	—	1	1,110	—	—	1
Natchez (MS).....	—	—	47,728	—	—	—	—	—	606	—	—	9
Wilson, B (MS).....	—	149,808	385,499	—	—	—	—	287	3,287	—	—	606
Missouri Basin Mun Pwr												
Agency.....	—	—	—	—	—	—	—	—	—	—	—	5
Watertown (SD).....	—	—	—	—	—	—	—	—	—	—	—	5
Modesto Irrigation Dist.....												
McClure (CA).....	—	2,154	17,153	1,614	—	—	—	6	168	—	—	8
New Hogan (CA).....	—	2,154	877	—	—	—	—	6	16	—	—	7
Stone Drop (CA).....	—	—	—	1,450	—	—	—	—	—	—	—	—
Woodland (CA).....	—	—	164	—	—	—	—	—	—	—	—	—
Willow Island (CA).....	—	—	16,276	—	—	—	—	—	152	—	—	1
Monongahela Power Co.....												
Albright (WV).....	2,815,298	2,016	3,287	—	—	—	1,150	3	34	—	1,377	5
Fort Martin (WV).....	142,493	123	—	—	—	—	65	*	—	—	20	2
Harrison (WV).....	568,640	1,738	—	—	—	—	223	3	—	—	359	2
Pleasants (WV).....	1,259,594	—	1,476	—	—	—	500	—	15	531	—	*
Rivesville (WV).....	664,616	43	1,657	—	—	—	282	*	17	422	—	1
Willow Island (WV).....	57,647	112	—	—	—	—	31	*	—	5	—	*
Willow Island (WV).....	122,308	—	154	—	—	—	49	—	2	40	—	*
Montana Dakota Utils Co.....												
Coyote (ND).....	235,167	412	5,835	—	—	—	209	1	82	—	170	6
Glendive (MT).....	172,229	291	—	—	—	—	148	1	—	—	123	3
Heskett (ND).....	—	121	4,137	—	—	—	—	*	56	—	—	1
Lewis & Clark (MT).....	37,600	—	—	—	—	—	36	—	—	—	36	—
Lewis & Clark (MT).....	25,338	—	21	—	—	—	24	—	*	—	11	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Montana Dakota Utils Co											
Miles City (MT).....	—	—	1,684	—	—	—	—	—	26	—	1
Williston (ND).....	—	—	-7	—	—	—	—	—	—	—	—
Montana Power Co (The)	1,372,107	1,934	122	332,952	—	—	861	4	1	427	12
Black Eagle (MT).....	—	—	—	13,969	—	—	—	—	—	—	—
Cochrane (MT).....	—	—	—	29,252	—	—	—	—	—	—	—
Colstrip (MT).....	1,274,864	1,906	—	—	—	—	794	4	—	396	11
Corette, J E (MT).....	97,243	—	122	—	—	—	67	—	1	32	—
Frank Bird (MT).....	—	—	—	—	—	—	—	—	—	—	—
Hauser Lake (MT).....	—	—	—	12,367	—	—	—	—	—	—	—
Holter (MT).....	—	—	—	31,512	—	—	—	—	—	—	—
Kerr (MT).....	—	—	—	91,541	—	—	—	—	—	—	—
Lake Diesel (MT).....	—	—	—	—	—	—	—	—	—	—	—
Madison (MT).....	—	—	—	5,162	—	—	—	—	—	—	—
Milltown (MT).....	—	—	—	1,810	—	—	—	—	—	—	—
Morony (MT).....	—	—	—	31,267	—	—	—	—	—	—	—
Mystic Lake (MT).....	—	—	—	7,818	—	—	—	—	—	—	—
Rainbow (MT).....	—	—	—	23,008	—	—	—	—	—	—	—
Ryan (MT).....	—	—	—	43,527	—	—	—	—	—	—	—
Thompson Falls (MT).....	—	—	—	41,719	—	—	—	—	—	—	—
Yellowstone (MT).....	—	28	—	—	—	—	—	*	—	—	1
Montaup Electric Company.....	69,203	1,967	—	—	—	—	25	4	—	55	87
Somerset (MA).....	69,203	1,967	—	—	—	—	25	4	—	55	87
Moorhead (City of)	—	—	—	—	—	—	—	—	—	2	1
Moorhead (MN).....	—	—	—	—	—	—	—	—	—	2	1
Morgan (City of)	—	—	9,926	—	—	—	—	—	140	—	—
Morgan City (LA).....	—	—	9,926	—	—	—	—	—	140	—	—
Muscataine (City of)	134,191	12	48	—	—	—	84	*	1	73	*
Muscataine (IA).....	134,191	12	48	—	—	—	84	*	1	73	*
N Y State Elec & Gas Corp	851,855	786	—	18,587	—	1,439	354	1	—	199	9
Cadyville (NY).....	—	—	—	1,417	—	—	—	—	—	—	—
Goudey (NY).....	73,163	70	—	—	—	—	30	*	—	20	1
Greenidge (NY).....	90,358	137	—	—	—	—	38	*	—	12	2
Harris Lake (NY).....	—	17	—	—	—	—	—	*	—	—	*
Hickling (NY).....	39,677	—	—	—	—	—	25	—	—	18	—
High Falls (NY).....	—	—	—	5,513	—	—	—	—	—	—	—
Jennison (NY).....	26,660	—	—	—	—	1,439	17	—	—	12	—
Kents Falls (NY).....	—	—	—	3,637	—	—	—	—	—	—	—
Keuka (NY).....	—	—	—	—	—	—	—	—	—	—	—
Mechanicville (NY).....	—	—	—	4,599	—	—	—	—	—	—	—
Mill C (NY).....	—	—	—	1,881	—	—	—	—	—	—	—
Milliken (NY).....	200,950	37	—	—	—	—	80	*	—	42	2
Rainbow Falls (NY).....	—	—	—	1,540	—	—	—	—	—	—	—
Seneca Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Somerset (NY).....	421,047	525	—	—	—	—	164	1	—	95	5
Waterloo (NY).....	—	—	—	—	—	—	—	—	—	—	—
Nantucket Elec Co	—	82	—	—	—	—	—	*	—	—	6
Nantucket (MA).....	—	82	—	—	—	—	—	*	—	—	6
Natchitoches (City of)	—	—	—	—	—	—	—	—	—	—	—
Natchitoches (LA).....	—	—	—	—	—	—	—	—	—	—	—
Nebraska City (City of)	—	130	1,763	—	—	—	—	1	20	—	—
Nebraska City (NE).....	—	113	1,763	—	—	—	—	1	20	—	—
Syracuse No 2 (NE).....	—	17	—	—	—	—	—	*	*	—	—
Nebraska Pub Power Dist.....	890,895	970	37,521	31,728	560,065	—	553	2	426	1,040	99
Canaday (NE).....	—	—	30,486	—	—	—	—	—	337	—	78
Columbus (NE).....	—	—	—	12,568	—	—	—	—	—	—	—
Cooper (NE).....	—	—	—	—	560,065	—	—	—	—	—	—
David City (NE).....	—	168	140	—	—	—	—	*	2	—	*
Gentleman (NE).....	768,626	—	1,648	—	—	—	473	—	17	834	6
Hallam (NE).....	—	—	4,817	—	—	—	—	—	64	—	3

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Nebraska Pub Power Dist											
Hebron (NE).....	—	219	—	—	—	—	—	*	—	—	6
Kearney (NE).....	—	—	—	205	—	—	—	—	—	—	*
Lodgepole (NE).....	—	—	—	—	—	—	—	—	—	—	*
Lyons (NE).....	—	2	—	—	—	—	—	*	—	—	*
Madison (NE).....	—	10	107	—	—	—	—	—	1	—	*
Mc Cook (NE).....	—	259	—	—	—	—	—	—	1	—	5
Minnechadua (NE).....	—	—	—	—	—	—	—	—	—	—	—
Mobile (NE).....	—	—	—	—	—	—	—	—	—	—	—
Monroe (NE).....	—	—	—	2,629	—	—	—	—	—	—	—
North Platte (NE).....	—	—	—	16,326	—	—	—	—	—	—	—
Ord (NE).....	—	247	109	—	—	—	—	*	1	—	*
Sheldon (NE).....	122,269	—	106	—	—	—	79	—	1	206	—
Spencer (NE).....	—	—	—	—	—	—	—	—	—	—	—
Sutherland (NE).....	—	58	—	—	—	—	—	*	—	—	*
Wakefield (NE).....	—	7	108	—	—	—	—	*	2	—	*
Nevada Irrigation Dist											
Bowman (CA).....	—	—	—	49,210	—	—	—	—	—	—	—
Chicago Park (CA).....	—	—	—	61	—	—	—	—	—	—	—
Combie No (CA).....	—	—	—	19,328	—	—	—	—	—	—	—
Combie So (CA).....	—	—	—	859	—	—	—	—	—	—	—
Dutch Flat No.2 (CA).....	—	—	—	522	—	—	—	—	—	—	—
Rollins (CA).....	—	—	—	17,911	—	—	—	—	—	—	—
Scott Flat (CA).....	—	—	—	9,014	—	—	—	—	—	—	—
Scott Flat (CA).....	—	—	—	1,515	—	—	—	—	—	—	—
Nevada Power Co											
Clark (NV).....	402,631	728	500,867	—	—	—	189	1	4,818	190	47
Gardner, Reid (NV).....	—	—	402,083	—	—	—	—	—	3,667	—	8
Sun Peak (NV).....	402,631	728	—	—	—	—	189	1	—	190	11
Sunrise (NV).....	—	—	50,273	—	—	—	—	—	633	—	—
Sunrise (NV).....	—	—	48,511	—	—	—	—	—	517	—	27
New England Power Co											
Bear Swamp (MA).....	841,317	302,584	303,985	68,072	—	—	334	511	2,375	546	532
Bellows Falls (VT).....	—	—	—	-14,641	—	—	—	—	—	—	—
Brayton Point (MA).....	—	—	—	14,659	—	—	—	—	—	—	—
Comerford (NH).....	651,686	81,014	9,130	—	—	—	251	143	125	429	255
Deerfield No. 2 (MA).....	—	—	—	16,475	—	—	—	—	—	—	—
Deerfield No. 3 (MA).....	—	—	—	1,089	—	—	—	—	—	—	—
Deerfield No. 4 (MA).....	—	—	—	1,112	—	—	—	—	—	—	—
Deerfield No. 5 (MA).....	—	—	—	944	—	—	—	—	—	—	—
Fife Brook (MA).....	—	—	—	2,519	—	—	—	—	—	—	—
Gloucester (MA).....	—	865	—	1,584	—	—	—	—	—	—	—
Harriman (VT).....	—	—	—	—	—	—	—	2	—	—	1
Manchester Street (RI).....	—	—	294,855	5,679	—	—	—	—	2,250	—	21
Mcindoes (NH).....	—	—	—	3,450	—	—	—	—	—	—	—
Moore (NH).....	—	—	—	13,879	—	—	—	—	—	—	—
Newburyport (MA).....	—	176	—	—	—	—	—	*	—	—	*
Salem Harbor (MA).....	189,631	220,529	—	—	—	—	83	366	—	118	255
Searsburg (VT).....	—	—	—	530	—	—	—	—	—	—	—
Sherman (MA).....	—	—	—	1,588	—	—	—	—	—	—	—
Vernon (NH).....	—	—	—	5,580	—	—	—	—	—	—	—
Vernon (VT).....	—	—	—	3,277	—	—	—	—	—	—	—
Wilder (NH).....	—	—	—	7,200	—	—	—	—	—	—	—
Wilder (VT).....	—	—	—	3,148	—	—	—	—	—	—	—
New Orleans Pub Serv Inc											
Michoud (LA).....	—	37,968	348,863	—	—	—	—	67	3,770	—	258
Paterson, A B (LA).....	—	37,718	348,863	—	—	—	—	66	3,770	—	256
Paterson, A B (LA).....	—	250	—	—	—	—	—	1	—	—	2
New Ulm (City of)											
New Ulm (MN).....	—	419	2,936	—	—	—	—	1	54	3	2
New Ulm (MN).....	—	419	2,936	—	—	—	—	1	54	3	2
Niagara Mohawk Power Corp											
Albany (NY).....	805,200	206,658	114,549	175,302	1,271,958	—	317	380	1,275	220	825
Allens Falls (NY).....	—	14,385	92,074	—	—	—	—	32	1,023	—	393
Baldwinsville (NY).....	—	—	—	2,050	—	—	—	—	—	—	—
Beardslee (NY).....	—	—	—	-3	—	—	—	—	—	—	—
Beebee Island (NY).....	—	—	—	1,388	—	—	—	—	—	—	—
Belfort (NY).....	—	—	—	3,420	—	—	—	—	—	—	—
Belfort (NY).....	—	—	—	1,043	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company)	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)
Niagara Mohawk Power Corp											
Bennetts Bridge (NY).....	—	—	—	2,823	—	—	—	—	—	—	—
Black River (NY).....	—	—	—	86	—	—	—	—	—	—	—
Blake (NY).....	—	—	—	4,688	—	—	—	—	—	—	—
Browns Falls (NY).....	—	—	—	3,988	—	—	—	—	—	—	—
Chasm (NY).....	—	—	—	1,792	—	—	—	—	—	—	—
Colton (NY).....	—	—	—	6,107	—	—	—	—	—	—	—
Deferiet (NY).....	—	—	—	3,790	—	—	—	—	—	—	—
Dunkirk (NY).....	365,059	469	—	—	—	—	136	1	—	122	1
Eagle (NY).....	—	—	—	3,044	—	—	—	—	—	—	—
East Norfolk (NY).....	—	—	—	2,091	—	—	—	—	—	—	—
Eel Weir (NY).....	—	—	—	302	—	—	—	—	—	—	—
Effley (NY).....	—	—	—	1,347	—	—	—	—	—	—	—
Elmer (NY).....	—	—	—	887	—	—	—	—	—	—	—
Ephratah (NY).....	—	—	—	132	—	—	—	—	—	—	—
Feeder Dam (NY).....	—	—	—	1,744	—	—	—	—	—	—	—
Five Falls (NY).....	—	—	—	7,478	—	—	—	—	—	—	—
Flat Rock (NY).....	—	—	—	1,012	—	—	—	—	—	—	—
Franklin (NY).....	—	—	—	715	—	—	—	—	—	—	—
Fulton (NY).....	—	—	—	534	—	—	—	—	—	—	—
Glenwood (NY).....	—	—	—	491	—	—	—	—	—	—	—
Granby (NY).....	—	—	—	334	—	—	—	—	—	—	—
Green Island (NY).....	—	—	—	2,131	—	—	—	—	—	—	—
Hannawa (NY).....	—	—	—	4,640	—	—	—	—	—	—	—
Herrings (NY).....	—	—	—	1,769	—	—	—	—	—	—	—
Heuvelton (NY).....	—	—	—	406	—	—	—	—	—	—	—
High Dam (NY).....	—	—	—	1,416	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	2,688	—	—	—	—	—	—	—
Higley (NY).....	—	—	—	3,032	—	—	—	—	—	—	—
Hogansburg (NY).....	—	—	—	197	—	—	—	—	—	—	—
Huntley, C R (NY).....	440,141	239	—	—	—	—	181	*	—	98	3
Hydraulic Race (NY).....	—	—	—	1,976	—	—	—	—	—	—	—
Inghams (NY).....	—	—	—	856	—	—	—	—	—	—	—
Johnsonville (NY).....	—	—	—	343	—	—	—	—	—	—	—
Kamargo (NY).....	—	—	—	1,362	—	—	—	—	—	—	—
Lighthouse Hill (NY).....	—	—	—	442	—	—	—	—	—	—	—
Macomb (NY).....	—	—	—	440	—	—	—	—	—	—	—
Mechanicville (NY).....	—	—	—	-14	—	—	—	—	—	—	—
Minetto (NY).....	—	—	—	1,095	—	—	—	—	—	—	—
Moshier (NY).....	—	—	—	3,673	—	—	—	—	—	—	—
Nine Mile Point (NY).....	—	7	—	—	1,271,958	—	—	*	—	—	1
Norfolk (NY).....	—	—	—	2,492	—	—	—	—	—	—	—
Norwood (NY).....	—	—	—	1,325	—	—	—	—	—	—	—
Oak Orchard (NY).....	—	—	—	205	—	—	—	—	—	—	—
Oswegatchie (NY).....	—	—	—	—	—	—	—	—	—	—	—
Oswego (NY).....	—	191,558	22,475	—	—	—	—	347	252	—	427
Oswego Falls Es (NY).....	—	—	—	1,107	—	—	—	—	—	—	—
Oswego Falls Ws (NY).....	—	—	—	8	—	—	—	—	—	—	—
Parishville (NY).....	—	—	—	1,287	—	—	—	—	—	—	—
Piercefield (NY).....	—	—	—	695	—	—	—	—	—	—	—
Prospect (NY).....	—	—	—	3,104	—	—	—	—	—	—	—
Rainbow (NY).....	—	—	—	7,543	—	—	—	—	—	—	—
Raymondville (NY).....	—	—	—	1,170	—	—	—	—	—	—	—
Schaghticoke (NY).....	—	—	—	-2	—	—	—	—	—	—	—
School Street (NY).....	—	—	—	7,207	—	—	—	—	—	—	—
Schuylerville (NY).....	—	—	—	-1	—	—	—	—	—	—	—
Sewalls (NY).....	—	—	—	1,148	—	—	—	—	—	—	—
Sherman Island (NY).....	—	—	—	10,810	—	—	—	—	—	—	—
So Glens Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Soft Maple (NY).....	—	—	—	3,770	—	—	—	—	—	—	—
South Colton (NY).....	—	—	—	6,212	—	—	—	—	—	—	—
South Edwards (NY).....	—	—	—	1,376	—	—	—	—	—	—	—
Spier Falls (NY).....	—	—	—	14,931	—	—	—	—	—	—	—
Stark (NY).....	—	—	—	6,975	—	—	—	—	—	—	—
Stewarts Bridge (NY).....	—	—	—	9,213	—	—	—	—	—	—	—
Stuyvesant Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Sugar Island (NY).....	—	—	—	1,730	—	—	—	—	—	—	—
Talcville (NY).....	—	—	—	149	—	—	—	—	—	—	—
Taylorville (NY).....	—	—	—	1,308	—	—	—	—	—	—	—
Trenton (NY).....	—	—	—	6,420	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Niagara Mohawk Power Corp											
Varick (NY).....	—	—	—	701	—	—	—	—	—	—	—
Waterport (NY).....	—	—	—	690	—	—	—	—	—	—	—
West, E J (NY).....	—	—	—	5,565	—	—	—	—	—	—	—
Yaleville (NY).....	—	—	—	429	—	—	—	—	—	—	—
North Atlantic Energy Corp											
Seabrook (NH).....	—	—	—	—	864,120	—	—	—	—	—	—
North Little Rk (City of)											
Murray (AR).....	—	—	—	9,141	—	—	—	—	—	—	—
Northeast Nucl Energy Co											
Millstone (CT).....	—	—	—	—	523,704	—	—	—	—	—	—
Northern Ind Pub Serv Co											
Bailly (IN).....	1,452,384	53,261	93,078	7,073	—	—	804	—	1,102	522	—
Michigan City (IN).....	267,383	—	442	—	—	—	133	—	5	22	—
Mitchell, Dean H (IN).....	205,617	—	38,926	—	—	—	126	—	454	74	—
Norway (IN).....	148,271	—	45,032	—	—	—	92	—	528	77	—
Oakdale (IN).....	—	—	—	2,726	—	—	—	—	—	—	—
Schahfer, R. M. (IN).....	—	—	—	4,347	—	—	—	—	—	—	—
Schahfer, R. M. (IN).....	831,113	53,261	8,678	—	—	—	454	—	116	349	—
Northern States Power Co											
Angus Anson (SD).....	2,069,923	67,486	105,334	32,322	1,115,086	44,909	1,238	32	1,377	1,266	223
Apple River (WI).....	—	85	37,493	—	—	—	—	*	440	—	29
Bay Front (WI).....	—	—	—	1,328	—	—	—	—	—	—	—
Big Falls (WI).....	5,581	—	6,038	—	—	16,379	3	—	90	7	—
Black Dog (MN).....	—	—	—	1,290	—	—	—	—	—	—	—
Blue Lake (MN).....	117,668	—	9,505	—	—	—	79	—	106	50	*
Cedar Falls (WI).....	—	3,123	—	—	—	—	—	10	—	—	57
Chippewa Falls (WI).....	—	—	—	1,997	—	—	—	—	—	—	—
Cornell (WI).....	—	—	—	2,165	—	—	—	—	—	—	—
Dells (WI).....	—	—	—	2,341	—	—	—	—	—	—	—
Flambeau (WI).....	—	—	621	1,632	—	—	—	—	—	—	—
French Island (WI).....	—	—	7	—	—	—	—	10	—	—	7
Granite City (MN).....	—	415	1,861	—	—	5,132	—	1	*	—	32
Hayward (WI).....	—	—	—	115	—	—	—	—	32	—	1
Hennepin Island (MN).....	—	—	—	4,472	—	—	—	—	—	—	—
High Bridge (MN).....	126,121	—	5,189	—	—	—	79	—	56	63	3
Holcombe (WI).....	—	—	—	2,503	—	—	—	—	—	—	—
Inver Hills (MN).....	—	—	26,282	—	—	—	—	—	363	—	28
Jim Falls (WI).....	—	—	—	3,252	—	—	—	—	—	—	—
Key City (MN).....	—	—	4,793	—	—	—	—	—	81	—	3
King (MN).....	220,377	40,653	473	—	—	—	124	—	5	128	—
Ladysmith (WI).....	—	—	—	433	—	—	—	—	—	—	—
Menomonie (WI).....	—	—	—	1,609	—	—	—	—	—	—	—
Minnesota Valley (MN).....	836	2	56	—	—	—	*	*	1	*	*
Monticello (MN).....	—	—	—	—	345,946	—	—	—	—	—	—
Pathfinder (SD).....	—	—	-169	—	—	—	—	—	—	—	—
Prairie Island (MN).....	—	—	—	769,140	—	—	—	—	—	—	—
Redwing (MN).....	—	—	126	—	—	11,665	—	—	3	—	—
Riverdale (WI).....	—	—	—	286	—	—	—	—	—	—	—
Riverside (MN).....	199,946	15,135	189	—	—	—	122	1	2	89	*
Saxon Falls (MI).....	—	—	—	563	—	—	—	—	—	—	—
Sherburne County (MN).....	1,399,394	482	—	—	—	—	831	1	—	929	5
St Croix Falls (WI).....	—	—	—	2,870	—	—	—	—	—	—	—
Superior Falls (MI).....	—	—	—	545	—	—	—	—	—	—	—
Thornapple (WI).....	—	—	—	303	—	—	—	—	—	—	—
Trego (WI).....	—	—	—	457	—	—	—	—	—	—	—
West Faribault (MN).....	—	—	516	—	—	—	—	—	8	—	—
Wheaton (WI).....	—	7,591	12,277	—	—	—	—	19	179	—	56
White River (WI).....	—	—	—	306	—	—	—	—	—	—	—
Wilmarth (MN).....	—	—	77	—	—	11,733	—	—	1	—	—
Wissota (WI).....	—	—	—	3,855	—	—	—	—	—	—	—
Northwestern Pub Serv Co											
Aberdeen (SD).....	—	14	2,147	—	—	—	—	*	39	—	10
Clark (SD).....	—	-1	—	—	—	—	—	*	—	—	2
Faulkton (SD).....	—	1	—	—	—	—	—	*	—	—	*

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Northwestern Pub Serv Co											
Highmore (SD).....	—	-10	—	—	—	—	—	—	—	—	*
Huron (SD).....	—	—	2,099	—	—	—	—	—	38	—	6
Mobile (SD).....	—	-5	—	—	—	—	—	*	—	—	*
Redfield (SD).....	—	—	-4	—	—	—	—	—	*	—	*
Webster (SD).....	—	-1	—	—	—	—	—	*	—	—	*
Yankton New (SD).....	—	2	52	—	—	—	—	*	1	—	1
Oakdale South San Joaquin											
Beardsley (CA).....	—	—	—	75,942	—	—	—	—	—	—	—
Donnels (CA).....	—	—	—	8,128	—	—	—	—	—	—	—
Sand Bar (CA).....	—	—	—	43,372	—	—	—	—	—	—	—
Tulloch (CA).....	—	—	—	11,433	—	—	—	—	—	—	—
.....	—	—	—	13,009	—	—	—	—	—	—	—
Oglethorpe Power Corp											
Rocky Mountain (GA).....	—	—	—	-52,578	—	—	—	—	—	—	—
Tallassee (GA).....	—	—	—	-52,709	—	—	—	—	—	—	—
.....	—	—	—	131	—	—	—	—	—	—	—
Ohio Edison Co											
Burger, R E (OH).....	1,467,949	1,342	19,855	—	—	—	625	3	230	513	29
Edgewater (OH).....	183,244	15	—	—	—	—	77	*	—	119	1
Gorge Steam (OH).....	—	966	19,855	—	—	—	—	2	230	—	5
Mad River (OH).....	—	—	—	—	—	—	—	*	—	—	—
Niles (OH).....	108,726	86	—	—	—	—	52	*	—	15	4
Sammis (OH).....	1,175,979	243	—	—	—	—	496	*	—	379	3
West Lorain (OH).....	—	—	—	—	—	—	—	—	—	—	—
Ohio Power Co											
Gavin, Gen J M (OH).....	3,569,123	6,251	—	14,335	—	—	1,520	11	—	1,193	87
Kammer (WV).....	1,656,859	800	—	—	—	—	741	1	—	436	46
Mitchell (WV).....	363,932	134	—	—	—	—	150	*	—	142	1
Muskingum River (OH).....	882,298	1,666	—	—	—	—	344	3	—	182	28
Racine (OH).....	666,034	3,651	—	—	—	—	285	6	—	433	12
Tidd (OH).....	—	—	—	14,335	—	—	—	—	—	—	—
Ohio Valley Elec Corp.....											
Kyger Creek (OH).....	615,961	279	—	—	—	—	234	*	—	444	3
.....	615,961	279	—	—	—	—	234	*	—	444	3
Oklahoma Gas & Elec Co.....											
Arbuckle (OK).....	1,358,586	638	1,149,167	—	—	—	853	1	11,868	1,151	234
Conoco (OK).....	—	—	42,645	—	—	—	—	—	378	—	—
Enid (OK).....	—	—	554	—	—	—	—	—	12	—	—
Horseshoe Lake (OK).....	—	—	343,917	—	—	—	—	—	3,228	—	41
Muskogee (OK).....	729,919	—	54,910	—	—	—	482	—	602	680	—
Mustang (OK).....	—	—	147,133	—	—	—	—	—	1,592	—	—
Seminole (OK).....	—	—	560,008	—	—	—	—	—	6,055	—	165
Sooner (OK).....	628,667	638	—	—	—	—	370	1	—	471	28
Woodward (OK).....	—	—	—	—	—	—	—	—	—	—	—
Oklahoma Mun Power											
Authority.....	—	9	38,513	2,590	—	—	—	*	433	—	1
Kaw Hydro (OK).....	—	—	—	2,590	—	—	—	—	—	—	—
Ponca Steam (OK).....	—	—	6,355	—	—	—	—	—	79	—	—
Ponca Steam (OK).....	—	9	32,158	—	—	—	—	*	354	—	1
Omaha Public Power Dist.....											
Fort Calhoun (NE).....	645,553	1,427	29,168	—	352,267	—	409	3	364	451	28
Jones Street (NE).....	—	930	—	—	352,267	—	—	—	—	—	—
Nebraska City (NE).....	—	497	—	—	—	—	—	2	—	—	16
North Omaha (NE).....	353,038	—	—	—	—	—	211	1	—	279	5
Sarpy (NE).....	292,515	—	9,067	—	—	—	198	—	103	173	—
.....	—	—	20,101	—	—	—	—	—	261	—	7
Orange & Rockland Utl Inc											
Bowline Point (NY).....	107,458	157,119	459,922	12,458	—	—	46	264	4,742	77	287
Grahamsville (NY).....	—	157,113	330,057	—	—	—	—	264	3,340	—	237
Hillburn (NY).....	—	—	—	12,033	—	—	—	—	—	—	—
Lovett (NY).....	—	—	1,812	—	—	—	—	—	33	—	2
Mongaup (NY).....	107,458	4	123,616	—	—	—	46	*	1,293	77	46
Rio (NY).....	—	—	—	177	—	—	—	—	—	—	—
Shoemaker (NY).....	—	—	—	137	—	—	—	—	—	—	—
.....	—	2	4,437	—	—	—	—	*	76	—	2

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Orange & Rockland Utl Inc												
Swinging Bridge 1 (NY).....	—	—	—	136	—	—	—	—	—	—	—	—
Swinging Bridge 2 (NY).....	—	—	—	-25	—	—	—	—	—	—	—	—
Orlando (City of).....	529,777	142,857	115,661	—	—	—	—	219	233	1,228	196	102
Indian River (FL).....	—	141,967	115,661	—	—	—	—	—	232	1,228	—	96
St Cloud (FL).....	—	—	—	—	—	—	—	—	—	—	—	—
Stanton (FL).....	529,777	890	—	—	—	—	—	219	1	—	196	6
Oroville Wyandotte I Dist.....	—	—	—	80,499	—	—	—	—	—	—	—	—
Forbestown (CA).....	—	—	—	24,627	—	—	—	—	—	—	—	—
Kelly Ridge (CA).....	—	—	—	7,951	—	—	—	—	—	—	—	—
Sly Creek (CA).....	—	—	—	6,603	—	—	—	—	—	—	—	—
Woodleaf (CA).....	—	—	—	41,318	—	—	—	—	—	—	—	—
Orrville (City of).....	31,617	—	19	—	—	—	—	20	—	*	*	—
Orrville (OH).....	31,617	—	19	—	—	—	—	20	—	*	*	—
Ottawa (City of).....	—	196	2,692	—	—	—	—	—	*	37	—	2
Ottawa (KS).....	—	196	2,692	—	—	—	—	—	*	37	—	2
Otter Tail Power Co.....	343,302	1,434	—	2,083	—	—	—	206	4	—	234	23
Bemidji (MN).....	—	—	—	159	—	—	—	—	—	—	—	—
Big Stone (SD).....	284,387	126	—	—	—	—	—	169	*	—	202	4
Dayton Hollow (MN).....	—	—	—	722	—	—	—	—	—	—	—	—
Hoot Lake (MN).....	58,915	102	—	39	—	—	—	38	*	—	31	*
Jamestown (ND).....	—	405	—	—	—	—	—	—	1	—	—	13
Lake Preston (SD).....	—	801	—	—	—	—	—	—	2	—	—	5
Pisgah (MN).....	—	—	—	501	—	—	—	—	—	—	—	—
Port 148 (MN).....	—	—	—	—	—	—	—	—	—	—	—	—
Taplin Gorge (MN).....	—	—	—	365	—	—	—	—	—	—	—	—
Wright (MN).....	—	—	—	297	—	—	—	—	—	—	—	—
Owatonna (City of).....	—	—	4,889	—	—	—	—	—	—	65	—	—
Owatonna (MN).....	—	—	4,889	—	—	—	—	—	—	65	—	—
Owensboro (City of).....	219,062	276	—	—	—	—	—	110	1	—	162	2
Elmer Smith (KY).....	219,062	276	—	—	—	—	—	110	1	—	162	2
Pacific Gas & Electric Co.....	—	14,917	1,214,114	1,289,696	1,606,524	476,196	—	—	34	12,408	—	1,518
Alta (CA).....	—	—	—	531	—	—	—	—	—	—	—	—
Angels (CA).....	—	—	—	—	—	—	—	—	—	—	—	—
Balch 1 (CA).....	—	—	—	21,656	—	—	—	—	—	—	—	—
Balch 2 (CA).....	—	—	—	70,158	—	—	—	—	—	—	—	—
Belden (CA).....	—	—	—	67,827	—	—	—	—	—	—	—	—
Black, James B (CA).....	—	—	—	66,843	—	—	—	—	—	—	—	—
Bucks Creek (CA).....	—	—	—	33,067	—	—	—	—	—	—	—	—
Butt Valley (CA).....	—	—	—	30,276	—	—	—	—	—	—	—	—
Caribou 1 (CA).....	—	—	—	35,878	—	—	—	—	—	—	—	—
Caribou 2 (CA).....	—	—	—	74,298	—	—	—	—	—	—	—	—
Centerville (CA).....	—	—	—	3,926	—	—	—	—	—	—	—	—
Chili Bar (CA).....	—	—	—	4,356	—	—	—	—	—	—	—	—
Coal Canyon (CA).....	—	—	—	—	—	—	—	—	—	—	—	—
Coleman (CA).....	—	—	—	8,190	—	—	—	—	—	—	—	—
Contra Costa (CA).....	—	—	274,325	—	—	—	—	—	—	2,685	—	459
Cow Creek (CA).....	—	—	—	1,251	—	—	—	—	—	—	—	—
Crane Valley (CA).....	—	—	—	421	—	—	—	—	—	—	—	—
Cresta (CA).....	—	—	—	35,541	—	—	—	—	—	—	—	—
De Sabla (CA).....	—	—	—	1,290	—	—	—	—	—	—	—	—
Deer Creek (CA).....	—	—	—	1,990	—	—	—	—	—	—	—	—
Diablo Canyon (CA).....	—	—	—	—	1,606,524	—	—	—	—	—	—	—
Downieville (CA).....	—	-5	—	—	—	—	—	—	—	—	—	*
Drum 1 (CA).....	—	—	—	13,259	—	—	—	—	—	—	—	—
Drum 2 (CA).....	—	—	—	36,800	—	—	—	—	—	—	—	—
Dutch Flat (CA).....	—	—	—	5,542	—	—	—	—	—	—	—	—
El Dorado (CA).....	—	—	—	—	—	—	—	—	—	—	—	—
Electra (CA).....	—	—	—	54,545	—	—	—	—	—	—	—	—
Haas (CA).....	—	—	—	84,859	—	—	—	—	—	—	—	—
Halsey (CA).....	—	—	—	6,568	—	—	—	—	—	—	—	—
Hamilton Branch (CA).....	—	—	—	2,340	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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											
Hat Creek 1 (CA)	—	—	—	3,857	—	—	—	—	—	—	—
Hat Creek 2 (CA)	—	—	—	5,187	—	—	—	—	—	—	—
Helms (CA)	—	—	—	-3,335	—	—	—	—	—	—	—
Hercules St (CA)	—	—	—	—	—	—	—	—	—	—	—
Humbolt Bay (CA)	—	787	26,959	—	—	—	—	2	353	—	80
Hunters Point (CA)	—	2,755	126,182	—	—	—	—	6	1,537	—	15
Inskip (CA)	—	—	—	5,715	—	—	—	—	—	—	—
Kerckhoff (CA)	—	—	—	341	—	—	—	—	—	—	—
Kerckhoff 2 (CA)	—	—	—	58,714	—	—	—	—	—	—	—
Kern Canyon (CA)	—	—	—	4,960	—	—	—	—	—	—	—
Kilarc (CA)	—	—	—	2,094	—	—	—	—	—	—	—
Kings River (CA)	—	—	—	29,013	—	—	—	—	—	—	—
Lime Saddle (CA)	—	—	—	800	—	—	—	—	—	—	—
Merced Falls (CA)	—	—	—	2,366	—	—	—	—	—	—	—
Mobile Turbine (CA)	—	—	—	—	—	—	—	—	—	—	—
Morro Bay (CA)	—	—	—	—	—	—	—	—	—	—	—
Moss Landing (CA)	—	—	—	—	—	—	—	—	—	—	—
Murphys (CA)	—	—	—	—	—	—	—	—	—	—	—
Narrows (CA)	—	—	—	127	—	—	—	—	—	—	—
Newcastle (CA)	—	—	—	367	—	—	—	—	—	—	—
Oak Flat (CA)	—	—	—	849	—	—	—	—	—	—	—
Oakland (CA)	—	—	—	—	—	—	—	—	—	—	—
Phoenix (CA)	—	—	—	1,022	—	—	—	—	—	—	—
Pit 1 (CA)	—	—	—	29,487	—	—	—	—	—	—	—
Pit 3 (CA)	—	—	—	33,804	—	—	—	—	—	—	—
Pit 4 (CA)	—	—	—	41,970	—	—	—	—	—	—	—
Pit 5 (CA)	—	—	—	72,908	—	—	—	—	—	—	—
Pit 6 (CA)	—	—	—	30,760	—	—	—	—	—	—	—
Pit 7 (CA)	—	—	—	40,147	—	—	—	—	—	—	—
Pittsburg (CA)	—	—	684,548	—	—	—	—	—	6,794	—	769
Poe (CA)	—	—	—	61,852	—	—	—	—	—	—	—
Potrero (CA)	—	11,380	102,100	—	—	—	—	26	1,039	—	195
Potter Valley (CA)	—	—	—	3,454	—	—	—	—	—	—	—
PVUSA 1 (CA)	—	—	—	—	—	133	—	—	—	—	—
Rock Creek (CA)	—	—	—	37,156	—	—	—	—	—	—	—
Salt Springs (CA)	—	—	—	27,497	—	—	—	—	—	—	—
San Joaquin No. 1a (CA)	—	—	—	216	—	—	—	—	—	—	—
San Joaquin No. 2 (CA)	—	—	—	1,383	—	—	—	—	—	—	—
San Joaquin 3 (CA)	—	—	—	1,812	—	—	—	—	—	—	—
South (CA)	—	—	—	5,306	—	—	—	—	—	—	—
Spaulding No. 1 (CA)	—	—	—	6,205	—	—	—	—	—	—	—
Spaulding No. 2 (CA)	—	—	—	906	—	—	—	—	—	—	—
Spaulding No. 3 (CA)	—	—	—	4,470	—	—	—	—	—	—	—
Spring Gap (CA)	—	—	—	4,741	—	—	—	—	—	—	—
Stanislaus (CA)	—	—	—	41,614	—	—	—	—	—	—	—
The Geysers (CA)	—	—	—	—	—	476,063	—	—	—	—	—
Tiger Creek (CA)	—	—	—	31,920	—	—	—	—	—	—	—
Toadtown (CA)	—	—	—	683	—	—	—	—	—	—	—
Tule River (CA)	—	—	—	2,868	—	—	—	—	—	—	—
Volta (CA)	—	—	—	6,277	—	—	—	—	—	—	—
Volta 2 (CA)	—	—	—	759	—	—	—	—	—	—	—
West Point (CA)	—	—	—	10,266	—	—	—	—	—	—	—
Wise (CA)	—	—	—	9,150	—	—	—	—	—	—	—
Wishon, A G (CA)	—	—	—	8,596	—	—	—	—	—	—	—
Pacificcorp	5,039,182	4,038	93,920	263,429	—	6,610	2,858	7	1,081	3,342	36
American Fork (UT)	—	—	—	—	—	—	—	—	—	—	—
Ashton (ID)	—	—	—	3,957	—	—	—	—	—	—	—
Beaver Upper (UT)	—	—	—	1,500	—	—	—	—	—	—	—
Bend (OR)	—	—	—	425	—	—	—	—	—	—	—
Big Fork (MT)	—	—	—	1,519	—	—	—	—	—	—	—
Blundell (UT)	—	—	—	—	—	6,610	—	—	—	—	—
Bridger, Jim (WY)	1,379,804	1,033	—	—	—	—	764	2	—	275	15
Carbon (UT)	111,591	111	—	—	—	—	51	*	—	50	*
Centralia (WA)	961,515	—	—	—	—	—	635	—	—	1,147	4
Clearwater 1 (OR)	—	—	—	5,215	—	—	—	—	—	—	—
Clearwater 2 (OR)	—	—	—	4,793	—	—	—	—	—	—	—
Cline Falls (OR)	—	—	—	—	—	—	—	—	—	—	—
Condit (WA)	—	—	—	5,381	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Pacificorp												
Copco 1 (CA).....	—	—	—	6,343	—	—	—	—	—	—	—	—
Copco 2 (CA).....	—	—	—	7,824	—	—	—	—	—	—	—	—
Cove (ID).....	—	—	—	4,958	—	—	—	—	—	—	—	—
Cutler (UT).....	—	—	—	5,819	—	—	—	—	—	—	—	—
Eagle Point (OR).....	—	—	—	608	—	—	—	—	—	—	—	—
East Side (OR).....	—	—	—	969	—	—	—	—	—	—	—	—
Fall Creek (CA).....	—	—	—	845	—	—	—	—	—	—	—	—
Fish Creek (OR).....	—	—	—	2,512	—	—	—	—	—	—	—	—
Ftn Green (UT).....	—	—	—	115	—	—	—	—	—	—	—	—
Gadsby (UT).....	—	—	93,960	—	—	—	—	—	1,081	—	—	—
Grace (ID).....	—	—	—	22,710	—	—	—	—	—	—	—	—
Granite (UT).....	—	—	—	-2	—	—	—	—	—	—	—	—
Hunter (emery) (UT).....	831,534	1,685	—	—	—	—	391	3	—	—	719	5
Huntington Canyon (UT).....	558,491	410	—	—	—	—	248	1	—	—	605	3
Hydro No. 1 (UT).....	—	—	—	247	—	—	—	—	—	—	—	—
Hydro No. 2 (UT).....	—	—	—	113	—	—	—	—	—	—	—	—
Hydro No. 3 (UT).....	—	—	—	221	—	—	—	—	—	—	—	—
Iron Gate (CA).....	—	—	—	7,967	—	—	—	—	—	—	—	—
John C Boyle (OR).....	—	—	—	17,059	—	—	—	—	—	—	—	—
Johnston, Dave (WY).....	482,269	750	—	—	—	—	344	1	—	—	310	3
Last Chance (UT).....	—	—	—	819	—	—	—	—	—	—	—	—
Lemolo 1 (OR).....	—	—	—	10,921	—	—	—	—	—	—	—	—
Lemolo 2 (OR).....	—	—	—	13,985	—	—	—	—	—	—	—	—
Little Mountain (UT).....	—	—	-103	—	—	—	—	—	—	—	—	1
Merwin (WA).....	—	—	—	10,209	—	—	—	—	—	—	—	—
Naches (WA).....	—	—	—	2,385	—	—	—	—	—	—	—	—
Naches Drop (WA).....	—	—	—	725	—	—	—	—	—	—	—	—
Naughton (WY).....	463,737	—	63	—	—	—	238	—	1	—	236	1
Olmstead (UT).....	—	—	—	3,528	—	—	—	—	—	—	—	—
Oneida (ID).....	—	—	—	8,091	—	—	—	—	—	—	—	—
Paris (ID).....	—	—	—	365	—	—	—	—	—	—	—	—
Pioneer (UT).....	—	—	—	1,861	—	—	—	—	—	—	—	—
Powerdale (OR).....	—	—	—	1,516	—	—	—	—	—	—	—	—
Prospect 1 (OR).....	—	—	—	3,435	—	—	—	—	—	—	—	—
Prospect 2 (OR).....	—	—	—	17,887	—	—	—	—	—	—	—	—
Prospect 3 (OR).....	—	—	—	3,507	—	—	—	—	—	—	—	—
Prospect 4 (OR).....	—	—	—	707	—	—	—	—	—	—	—	—
Skookumchuck (WA).....	—	—	—	—	—	—	—	—	—	—	—	—
Slide Creek (OR).....	—	—	—	6,620	—	—	—	—	—	—	—	—
Snake Creek (UT).....	—	—	—	577	—	—	—	—	—	—	—	—
Soda (ID).....	—	—	—	5,033	—	—	—	—	—	—	—	—
Soda Springs (OR).....	—	—	—	4,589	—	—	—	—	—	—	—	—
St Anthony (ID).....	—	—	—	304	—	—	—	—	—	—	—	—
Stairs (UT).....	—	—	—	941	—	—	—	—	—	—	—	—
Swift No. 2 (WA).....	—	—	—	5,834	—	—	—	—	—	—	—	—
Swift 1 (WA).....	—	—	—	21,062	—	—	—	—	—	—	—	—
Toketee (OR).....	—	—	—	17,686	—	—	—	—	—	—	—	—
Viva (WY).....	—	—	—	107	—	—	—	—	—	—	—	—
Wallowa Falls (OR).....	—	—	—	384	—	—	—	—	—	—	—	—
Weber (UT).....	—	—	—	2,379	—	—	—	—	—	—	—	—
West Side (OR).....	—	—	—	258	—	—	—	—	—	—	—	—
Wyodak (WY).....	250,241	49	—	—	—	—	186	*	—	—	—	4
Yale (WA).....	—	—	—	16,616	—	—	—	—	—	—	—	—
Painesville (City of).....	15,310	—	12	—	—	—	9	—	*	—	15	2
Painesville (OH).....	15,310	—	12	—	—	—	9	—	*	—	15	2
Pasadena (City of).....	—	—	31,890	940	—	—	—	—	391	—	—	5
Azusa (CA).....	—	—	—	940	—	—	—	—	—	—	—	—
Broadway (CA).....	—	—	31,083	—	—	—	—	—	378	—	—	5
Glenarm (CA).....	—	—	807	—	—	—	—	—	13	—	—	—
Peabody (City of).....	—	—	625	—	—	—	—	—	8	—	—	5
Waters River (MA).....	—	—	625	—	—	—	—	—	8	—	—	5
Pella (City of).....	8,625	—	68	—	—	—	7	—	1	—	1	—
Pella (IA).....	8,625	—	68	—	—	—	7	—	1	—	1	—
Pend Oreille Pub Util D #1.....	—	—	—	36,471	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Pend Oreille Pub Util D #1											
Box Canyon (WA).....	—	—	—	36,321	—	—	—	—	—	—	—
Calispel Creek (WA).....	—	—	—	150	—	—	—	—	—	—	—
Pennsylvania Electric Co.....	4,223,406	8,666	300	-1,833	—	—	1,675	21	5	1,797	50
Blossburg (PA).....	—	—	300	—	—	—	—	—	5	—	—
Conemaugh (PA).....	1,242,831	97	—	—	—	—	467	*	—	616	6
Deep Creek (MD).....	—	—	—	1,555	—	—	—	—	—	—	—
Homer City (PA).....	1,298,102	700	—	—	—	—	528	1	—	474	7
Keystone (PA).....	1,204,835	934	—	—	—	—	462	2	—	577	9
Piney (PA).....	—	—	—	971	—	—	—	—	—	—	—
Seneca (PA).....	—	—	—	-4,359	—	—	—	—	—	—	—
Seward (PA).....	115,946	352	—	—	—	—	54	1	—	59	1
Shawville (PA).....	325,875	894	—	—	—	—	143	2	—	58	9
Warren (PA).....	35,817	3,474	—	—	—	—	20	8	—	14	8
Wayne (PA).....	—	2,215	—	—	—	—	—	6	—	—	12
Pennsylvania Power Co.....	1,613,406	996	—	—	—	—	665	2	—	886	27
Mansfield, Bruce (PA).....	1,453,793	916	—	—	—	—	595	2	—	868	26
New Castle (PA).....	159,613	80	—	—	—	—	71	*	—	18	1
Pennsylvania Pwr & Lgt Co.....	1,918,227	410,851	—	18,995	1,619,509	—	770	711	—	3,367	1,847
Allentown (PA).....	—	2,394	—	—	—	—	—	6	—	—	4
Brunner Island (PA).....	805,935	3,795	—	—	—	—	305	8	—	214	6
Coal Storage (PA).....	—	—	—	—	—	—	—	—	—	1,976	—
Fishbach (PA).....	—	597	—	—	—	—	—	3	—	—	2
Harrisburg (PA).....	—	2,654	—	—	—	—	—	7	—	—	4
Harwood (PA).....	—	915	—	—	—	—	—	2	—	—	2
Holtwood (PA).....	31,750	20,701	—	17,814	—	—	26	—	—	88	*
Jenkins (PA).....	—	932	—	—	—	—	—	3	—	—	2
Loch Haven (PA).....	—	380	—	—	—	—	—	1	—	—	2
Martins Creek (PA).....	124,997	350,724	—	—	—	—	53	662	—	33	1,808
Montour (PA).....	796,818	2,887	—	—	—	—	297	11	—	443	12
Sunbury (PA).....	158,727	23,205	—	—	—	—	88	2	—	613	1
Susquehanna (PA).....	—	—	—	—	1,619,509	—	—	—	—	—	—
Wallenpaupack (PA).....	—	—	—	1,181	—	—	—	—	—	—	—
West Shore (PA).....	—	484	—	—	—	—	—	1	—	—	2
Williamsport (PA).....	—	1,183	—	—	—	—	—	3	—	—	2
Peru (City of).....	—	-2	—	—	—	—	—	*	—	—	1
Peru (IL).....	—	-2	—	—	—	—	—	*	—	—	1
Peru Utilities.....	2,189	25	—	—	—	—	1	*	—	*	*
Peru (IN).....	2,189	25	—	—	—	—	1	*	—	*	*
Piqua (City of).....	-34	7	—	—	—	—	—	*	—	—	3
Piqua (OH).....	-34	7	—	—	—	—	—	*	—	—	3
Placer County Wtr Agency.....	—	—	—	167,038	—	—	—	—	—	—	—
French Meadows (CA).....	—	—	—	10,967	—	—	—	—	—	—	—
Hell Hole (CA).....	—	—	—	414	—	—	—	—	—	—	—
Middle Fork (CA).....	—	—	—	91,515	—	—	—	—	—	—	—
Oxbow (CA).....	—	—	—	4,069	—	—	—	—	—	—	—
Ralston (CA).....	—	—	—	60,073	—	—	—	—	—	—	—
Plains El Gen Trans Coop.....	171,461	—	1	—	—	—	93	—	*	49	9
Algodones (NM).....	—	—	—	—	—	—	—	—	—	—	—
Escalante (NM).....	171,461	—	1	—	—	—	93	—	*	49	9
Plaquemine (City of).....	—	—	5,321	—	—	—	—	—	89	—	—
Plaquemine (LA).....	—	—	5,321	—	—	—	—	—	89	—	—
Platte River Power Auth.....	125,907	468	—	—	—	—	75	1	—	119	2
Rawhide (CO).....	125,907	468	—	—	—	—	75	1	—	119	2
Portland General Elec Co.....	369,654	4,073	428,688	161,799	—	—	222	9	3,780	294	188
Beaver (OR).....	—	—	245,677	—	—	—	—	—	2,310	—	162
Bethel (OR).....	—	—	24,230	—	—	—	—	—	321	—	19
Boardman (OR).....	369,654	4,073	—	—	—	—	222	9	—	294	7
Bull Run (OR).....	—	—	—	2,281	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Portland General Elec Co											
Coyote Springs (OR)	—	—	158,781	—	—	—	—	—	1,150	—	—
Faraday (OR)	—	—	—	4,766	—	—	—	—	—	—	—
North Fork (OR)	—	—	—	5,735	—	—	—	—	—	—	—
Oak Grove (OR)	—	—	—	17,751	—	—	—	—	—	—	—
Pelton (OR)	—	—	—	32,111	—	—	—	—	—	—	—
Pelton Re Regulation (OR)	—	—	—	6,708	—	—	—	—	—	—	—
Portland Hydro Proj 1 (OR)	—	—	—	2,935	—	—	—	—	—	—	—
Portland Hydro Proj 2 (OR)	—	—	—	—	—	—	—	—	—	—	—
River Mill (OR)	—	—	—	3,689	—	—	—	—	—	—	—
Round Butte (OR)	—	—	—	74,258	—	—	—	—	—	—	—
Sullivan (OR)	—	—	—	11,565	—	—	—	—	—	—	—
Potomac Edison Co (The)	42,096	121	—	2,004	—	—	20	*	—	8	*
Dam 4 (WV)	—	—	—	641	—	—	—	—	—	—	—
Dam 5 (WV)	—	—	—	336	—	—	—	—	—	—	—
Luray (VA)	—	—	—	189	—	—	—	—	—	—	—
Millville (WV)	—	—	—	372	—	—	—	—	—	—	—
Newport (VA)	—	—	—	204	—	—	—	—	—	—	—
Shenandoah (VA)	—	—	—	77	—	—	—	—	—	—	—
Smith, R P (MD)	42,096	121	—	—	—	—	20	*	—	8	*
Warren (VA)	—	—	—	185	—	—	—	—	—	—	—
Potomac Electric Pwr Co	1,698,519	434,461	136,570	—	—	—	638	813	1,589	531	788
Benning (DC)	—	37,921	—	—	—	—	—	80	—	—	97
Buzzard Point (DC)	—	7,051	—	—	—	—	—	21	—	—	18
Chalk Point (MD)	331,748	367,024	97,185	—	—	—	131	661	1,147	142	411
Dickerson (MD)	364,500	1,612	39,385	—	—	—	133	3	442	105	151
Morgantown (MD)	792,174	20,035	—	—	—	—	279	46	—	205	111
Potomac River (VA)	210,097	818	—	—	—	—	95	2	—	80	1
Power Authy of St of N Y	—	97,936	220,703	1,860,839	630,188	—	—	169	2,067	—	550
Ashokan (NY)	—	—	—	2,578	—	—	—	—	—	—	—
Blenheim (NY)	—	—	—	-84,303	—	—	—	—	—	—	—
Crescent (NY)	—	—	—	1,806	—	—	—	—	—	—	—
Fitzpatrick (NY)	—	—	—	—	217,640	—	—	—	—	—	—
Flynn (NY)	—	—	98,949	—	—	—	—	—	784	—	80
Hinckley (NY)	—	—	—	1,780	—	—	—	—	—	—	—
Indian Point (NY)	—	—	—	—	412,548	—	—	—	—	—	—
Kensico (NY)	—	—	—	427	—	—	—	—	—	—	—
Lewiston (NY)	—	—	—	-33,136	—	—	—	—	—	—	—
Moses Niagara (NY)	—	—	—	1,332,668	—	—	—	—	—	—	—
Moses Power Dam (NY)	—	—	—	637,423	—	—	—	—	—	—	—
Poletti (NY)	—	97,936	121,754	—	—	—	—	169	1,283	—	470
Vischer Ferry (NY)	—	—	—	1,596	—	—	—	—	—	—	—
Princeton (City of)	—	87	891	—	—	—	—	*	9	—	1
Princeton (IL)	—	87	891	—	—	—	—	*	9	—	1
Pub Serv Co of New Hamp	331,056	152,623	1,967	17,161	—	—	138	283	26	233	340
Amoskeag (NH)	—	—	—	3,486	—	—	—	—	—	—	—
Ayers Island (NH)	—	—	—	2,054	—	—	—	—	—	—	—
Canaan (VT)	—	—	—	449	—	—	—	—	—	—	—
Eastman Falls (NH)	—	—	—	1,104	—	—	—	—	—	—	—
Garvins Falls (NH)	—	—	—	1,771	—	—	—	—	—	—	—
Gorham (NH)	—	—	—	1,221	—	—	—	—	—	—	—
Hooksett (NH)	—	—	—	480	—	—	—	—	—	—	—
Jackman (NH)	—	—	—	44	—	—	—	—	—	—	—
Lost Nation (NH)	—	43	—	—	—	—	—	*	—	—	1
Merrimack (NH)	282,018	64	—	—	—	—	112	*	—	191	3
Newington (NH)	—	151,575	—	—	—	—	—	280	—	—	332
Schiller (NH)	49,038	896	1,967	—	—	—	26	2	26	42	2
Smith (NH)	—	—	—	6,552	—	—	—	—	—	—	—
White Lake (NH)	—	45	—	—	—	—	—	*	—	—	1
Pub Serv Co of New Mexico	1,136,190	775	15,477	—	—	—	659	2	187	660	32
Las Vegas (NM)	—	104	—	—	—	—	—	1	—	—	3
Reeves (NM)	—	—	15,477	—	—	—	—	—	187	—	—
San Juan (NM)	1,136,190	671	—	—	—	—	659	1	—	660	29

See footnotes at end of table.

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

Company (Holding Company)	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.....	564,671	17,108	423,508	—	2,070,891	—	260	42	4,340	310	1,072
Bayonne (NJ).....	—	125	—	—	—	—	—	*	—	—	3
Bergen (NJ).....	—	—	196,041	—	—	—	—	—	1,617	—	112
Burlington (NJ).....	—	2,066	48,883	—	—	—	—	6	414	—	59
Edison (NJ).....	—	—	15,891	—	—	—	—	—	227	—	103
Essex (NJ).....	—	—	37,279	—	—	—	—	—	485	—	111
Hope Creek (NJ).....	—	—	—	—	740,734	—	—	—	—	—	—
Hudson (NJ).....	314,582	900	7,371	—	—	—	153	3	121	122	144
Kearny (NJ).....	—	1,474	3,769	—	—	—	—	6	64	—	177
Linden (NJ).....	—	11,329	22,930	—	—	—	—	25	257	—	210
Mercer (NJ).....	250,089	288	43,913	—	—	—	107	1	487	188	—
National Park (NJ).....	—	40	—	—	—	—	—	*	—	—	4
Salem (NJ).....	—	767	—	—	1,330,157	—	—	2	—	—	13
Sewaren (NJ).....	—	119	47,431	—	—	—	—	*	669	—	137
Public Service Co of Colo	1,751,834	4	125,632	8,487	—	—	969	*	1,178	989	84
Alamosa (CO).....	—	—	1,307	—	—	—	—	—	10	—	7
Ames (CO).....	—	—	—	1,422	—	—	—	—	—	—	—
Arapahoe (CO).....	77,148	—	6,909	—	—	—	61	—	100	39	—
Boulder Hydro (CO).....	—	—	—	1,707	—	—	—	—	—	—	—
Cabin Creek (CO).....	—	—	—	-10,295	—	—	—	—	—	—	—
Cameo (CO).....	33,557	—	64	—	—	—	20	—	1	30	*
Cherokee (CO).....	457,208	—	2,345	—	—	—	204	—	24	212	—
Comanche (CO).....	429,534	—	844	—	—	—	267	—	9	405	1
Fort Lupton (CO).....	—	—	814	—	—	—	—	—	14	—	10
Fort St. Vrain (CO).....	—	—	101,158	—	—	—	—	—	826	—	—
Fruita (CO).....	—	—	781	—	—	—	—	—	16	—	*
Georgetown Hydro (CO).....	—	—	—	844	—	—	—	—	—	—	—
Hayden (CO).....	312,184	4	23	—	—	—	161	*	*	86	2
Palisade Hydro (CO).....	—	—	—	1,399	—	—	—	—	—	—	—
Pawnee (CO).....	319,086	—	743	—	—	—	199	—	8	197	8
Salida No. 1 Hydro (CO).....	—	—	—	444	—	—	—	—	—	—	—
Salida No. 2 Hydro (CO).....	—	—	—	320	—	—	—	—	—	—	—
Shoshone Hydro (CO).....	—	—	—	10,980	—	—	—	—	—	—	—
Tacoma (CO).....	—	—	—	1,666	—	—	—	—	—	—	—
Valmont (CO).....	123,117	—	3,984	—	—	—	57	—	61	20	9
Zuni (CO).....	—	—	6,660	—	—	—	—	—	110	—	45
Public Service Co of Okla.....	463,289	528	1,143,395	—	—	—	285	1	11,487	456	102
Comanche (OK).....	—	37	163,740	—	—	—	—	*	1,423	—	*
Northeastern (OK).....	463,289	49	283,654	—	—	—	285	*	3,014	456	*
Riverside (OK).....	—	34	427,034	—	—	—	—	*	3,943	—	53
Southwestern (OK).....	—	309	151,229	—	—	—	—	1	1,914	—	48
Tulsa (OK).....	—	99	107,215	—	—	—	—	*	1,038	—	*
Weleetka (OK).....	—	—	10,523	—	—	—	—	—	155	—	*
Puget Sound Pwr & Lgt Co	—	2,218	252,210	81,225	—	—	—	5	2,906	—	49
Crystal Mountain (WA).....	—	14	—	—	—	—	—	*	—	—	*
Electron (WA).....	—	—	—	7,342	—	—	—	—	—	—	—
Frederickson (WA).....	—	4	58,746	—	—	—	—	*	712	—	20
Fredonia (WA).....	—	93	104,867	—	—	—	—	*	1,153	—	20
Lower Baker (WA).....	—	—	—	27,774	—	—	—	—	—	—	—
Nooksack (WA).....	—	—	—	-1	—	—	—	—	—	—	—
Snoqualmie (WA).....	—	—	—	6,017	—	—	—	—	—	—	—
South Whidbey (WA).....	—	—	—	—	—	—	—	—	—	—	2
Upper Baker (WA).....	—	—	—	27,701	—	—	—	—	—	—	—
White River (WA).....	—	—	—	12,392	—	—	—	—	—	—	—
Whitehorn (WA).....	—	2,107	88,597	—	—	—	—	4	1,041	—	7
PECO Energy Co	394,612	348,033	10,581	-10,883	2,993,711	—	171	652	117	178	416
Chester (PA).....	—	802	—	—	—	—	—	2	—	—	4
Conowingo (MD).....	—	—	—	33,059	—	—	—	—	—	—	—
Cromby (PA).....	79,767	49,216	1,611	—	—	—	34	85	17	50	36
Croydon (PA).....	—	18,562	—	—	—	—	—	42	—	—	52
Delaware (PA).....	—	40,078	—	—	—	—	—	77	—	—	35
Eddystone (PA).....	314,845	211,248	8,970	—	—	—	138	382	100	128	253
Falls (PA).....	—	1,218	—	—	—	—	—	3	—	—	6
Limerick (PA).....	—	—	—	—	1,645,468	—	—	—	—	—	—
Moser (PA).....	—	1,433	—	—	—	—	—	4	—	—	6
Muddy Run (PA).....	—	—	—	-43,942	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
PECO Energy Co												
Oil Storage (PA).....	—	—	—	—	—	—	—	—	—	—	—	—
Peach Bottom (PA).....	—	—	—	—	1,348,243	—	—	—	—	—	—	—
Richmond (PA).....	—	6,766	—	—	—	—	—	17	—	—	—	14
Schuylkill (PA).....	—	17,388	—	—	—	—	—	36	—	—	—	4
Southwark (PA).....	—	1,322	—	—	—	—	—	3	—	—	—	5
PSI Energy, Inc												
Cayuga (IN).....	3,051,669	18,476	14,223	38,296	—	—	—	1,433	36	146	1,854	45
Connersville (IN).....	580,948	756	11,075	—	—	—	277	1	111	—	397	12
Edwardsport (IN).....	—	1,455	—	—	—	—	—	3	—	—	—	6
Gallagher, R (IN).....	45,651	516	—	—	—	—	28	1	—	—	49	4
Gibson (IN).....	295,680	1,774	—	—	—	—	120	3	—	—	70	2
Markland (IN).....	1,679,616	1,734	—	—	—	—	771	3	—	—	1,049	5
Miami Wabash (IN).....	—	417	—	38,296	—	—	—	—	—	—	—	—
Noblesville (IN).....	—	63	—	—	—	—	—	1	—	—	—	11
Wabash River (IN).....	38,549	63	—	—	—	—	23	*	—	—	19	*
Whiskeytown (IN).....	411,225	11,761	3,148	—	—	—	214	23	34	—	269	5
Redding (City of)												
Redding Power (CA).....	—	—	14,173	1,466	—	—	—	—	—	210	—	—
Whiskeytown (CA).....	—	—	—	1,466	—	—	—	—	—	—	—	—
Richmond (City of)												
Whitewater Valley (IN).....	61,976	8	—	—	—	—	31	*	—	—	9	1
Whitewater Valley (IN).....	61,976	8	—	—	—	—	31	*	—	—	9	1
Rochester (City of)												
Cascade Creek (MN).....	31,050	-11	2,337	1,326	—	—	17	*	29	—	32	3
Rochester (MN).....	—	-11	—	—	—	—	—	*	—	—	—	3
Silver Lake (MN).....	—	—	—	1,326	—	—	—	—	—	—	—	—
Silver Lake (MN).....	31,050	—	2,337	—	—	—	17	—	29	—	32	—
Rochester Gas & Elec Corp												
Station 160 (NY).....	205,584	197	—	2,049	330,787	—	80	*	—	—	90	2
Station 170 (NY).....	—	—	—	—	330,787	—	—	—	—	—	—	—
Station 172 (NY).....	—	—	—	116	—	—	—	—	—	—	—	—
Station 2 (NY).....	—	—	—	114	—	—	—	—	—	—	—	—
Station 26 (NY).....	—	—	—	20	—	—	—	—	—	—	—	—
Station 3 (NY).....	—	—	—	607	—	—	—	—	—	—	—	—
Station 5 (NY).....	46,182	82	—	—	—	—	17	*	—	—	1	1
Station 7 (NY).....	—	—	—	1,192	—	—	—	—	—	—	—	—
Station 9 (NY).....	159,402	115	—	—	—	—	63	*	—	—	89	1
Station 9 (NY).....	—	—	—	—	—	—	—	—	—	—	—	—
Rockville Ctr(Village of)												
Rockville (NY).....	—	209	3,580	—	—	—	—	1	38	—	—	2
Rockville (NY).....	—	209	3,580	—	—	—	—	1	38	—	—	2
Russell (City of)												
Russell (KS).....	—	77	782	—	—	—	—	1	50	—	—	2
Russell (KS).....	—	77	782	—	—	—	—	1	50	—	—	2
Ruston (City of)												
Ruston (LA).....	—	—	18,352	—	—	—	—	—	—	203	—	—
Ruston (LA).....	—	—	18,352	—	—	—	—	—	—	203	—	—
Sacramento Mun Util Dist												
Camino (CA).....	—	—	43,170	288,488	—	629	—	*	463	—	—	3
Camp Far W (CA).....	—	—	—	69,306	—	—	—	—	—	—	—	—
Carson (CA).....	—	—	—	3,390	—	—	—	—	—	—	—	—
Coldwater Creek (CA).....	—	—	39,581	—	—	—	—	—	413	—	—	—
Hedge PV (CA).....	—	—	—	—	—	—	—	—	—	—	—	—
Jaybird (CA).....	—	—	—	—	—	28	—	—	—	—	—	—
Jones Fork (CA).....	—	—	—	100,133	—	—	—	—	—	—	—	—
Loon Lake (CA).....	—	—	—	4,531	—	—	—	—	—	—	—	—
McClellan (CA).....	—	—	—	16,194	—	—	—	—	—	—	—	—
Robbs Peak (CA).....	—	—	3,589	—	—	—	—	*	50	—	—	3
Slab Creek (CA).....	—	—	—	4,555	—	—	—	—	—	—	—	—
Smudgeo (CA).....	—	—	—	—	—	—	—	—	—	—	—	—
Solano (CA).....	—	—	—	—	—	—	410	—	—	—	—	—
Solar (CA).....	—	—	—	—	—	—	191	—	—	—	—	—
Union Valley (CA).....	—	—	—	—	—	—	—	—	—	—	—	—
White Rock (CA).....	—	—	—	28,072	—	—	—	—	—	—	—	—
White Rock (CA).....	—	—	—	62,307	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Safe Harbor Water Power											
Corp.....	—	—	—	17,275	—	—	—	—	—	—	—
Safe Harbor (PA).....	—	—	—	17,275	—	—	—	—	—	—	—
Saint Marys (City of).....	4,518	1	—	—	—	—	3	*	—	1	*
Saint Marys (OH).....	4,518	1	—	—	—	—	3	*	—	1	*
Salt River Project.....											
Agua Fria (AZ).....	2,126,497	1,283	307,557	82,675	—	—	1,014	2	3,210	991	244
Coronado (AZ).....	—	—	167,711	—	—	—	—	—	1,831	—	57
Crosscut (AZ).....	511,833	146	—	1,803	—	—	271	*	—	209	13
Horse Mesa (AZ).....	—	—	—	35,535	—	—	—	—	—	—	—
Kyrene (AZ).....	—	—	26,086	—	—	—	—	—	337	—	51
Mormon Flat (AZ).....	—	—	—	17,599	—	—	—	—	—	—	—
Navajo (AZ).....	1,614,664	1,131	—	—	—	—	743	2	—	782	29
Roosevelt (AZ).....	—	—	—	18,264	—	—	—	—	—	—	—
San Tan (AZ).....	—	6	113,760	—	—	—	—	*	1,042	—	93
South Con (AZ).....	—	—	—	263	—	—	—	—	—	—	—
Stewart Mtn (AZ).....	—	—	—	9,211	—	—	—	—	—	—	—
Tnk Frm Stg (AZ).....	—	—	—	—	—	—	—	—	—	—	—
San Antonio Pub Serv Brd.....											
Braunig, V H (TX).....	928,977	533	696,017	—	—	—	531	1	7,290	783	326
Deely, J T (TX).....	539,858	486	295,593	—	—	—	326	1	3,051	783	218
J K Spruce (TX).....	389,119	—	5	—	—	—	205	—	*	—	108
Leon Creek (TX).....	—	—	11,740	—	—	—	—	—	142	—	—
Mission Road (TX).....	—	—	7,855	—	—	—	—	—	95	—	—
Sommers, O W (TX).....	—	47	326,603	—	—	—	—	*	3,380	—	—
Tuttle, W B (TX).....	—	—	54,221	—	—	—	—	—	621	—	—
San Diego Gas & Elec Co.....											
Division (CA).....	—	1,423	799,159	—	—	—	—	4	8,673	—	558
El Cajon (CA).....	—	365	—	—	—	—	—	1	—	—	—
Encina (CA).....	—	2	823	—	—	—	—	*	16	—	1
Kearny (CA).....	—	—	462,714	—	—	—	—	*	4,905	—	279
Leased Strg (CA).....	—	1	8,567	—	—	—	—	*	157	—	35
Miramar (CA).....	—	—	—	—	—	—	—	—	—	—	*
Naval Station (CA).....	—	—	4,781	—	—	—	—	—	80	—	4
Naval Training Cntr (CA).....	—	—	2,230	—	—	—	—	—	31	—	9
North Island (CA).....	—	—	1,233	—	—	—	—	*	20	—	1
Silver Gate (CA).....	—	535	531	—	—	—	—	1	10	—	3
South Bay (CA).....	—	520	318,280	—	—	—	—	1	3,453	—	225
San Miguel Elec Coop Inc.....											
San Miguel (TX).....	290,080	91	—	—	—	—	337	*	—	234	17
Santa Clara (City of).....											
Black Butte (CA).....	—	—	9,009	11,638	—	—	—	—	143	—	—
Cogen Plant (CA).....	—	—	4,562	—	—	—	—	—	80	—	—
Gianera (CA).....	—	—	4,447	—	—	—	—	—	63	—	—
Grizzly (CA).....	—	—	—	10,890	—	—	—	—	—	—	—
Highline (CA).....	—	—	—	186	—	—	—	—	—	—	—
Stony Gorge (CA).....	—	—	—	562	—	—	—	—	—	—	—
Savannah Elec & Pwr Co.....											
Boulevard (GA).....	205,890	910	221,916	—	—	—	97	2	3,061	101	147
McIntosh (GA).....	—	180	1,819	—	—	—	—	1	28	—	6
Port Wentworth (GA).....	91,153	730	152,212	—	—	—	45	2	2,093	63	117
Riverside (GA).....	114,737	—	42,135	—	—	—	51	—	498	38	24
Seattle (City of).....											
Boundary (WA).....	—	—	—	393,609	—	—	—	—	—	—	—
Cedar Falls (WA).....	—	—	—	223,491	—	—	—	—	—	—	—
Diablo (WA).....	—	—	—	2,490	—	—	—	—	—	—	—
Gorge (WA).....	—	—	—	55,462	—	—	—	—	—	—	—
New Halem (WA).....	—	—	—	65,061	—	—	—	—	—	—	—
Ross Dam (WA).....	—	—	—	-2	—	—	—	—	—	—	—
South Fork Tolt (WA).....	—	—	—	41,106	—	—	—	—	—	—	—
Seminole Electric Coop.....											
Seminole (FL).....	828,466	51,568	—	—	—	—	337	2	—	490	6
Seminole Electric Coop.....											
Seminole (FL).....	828,466	51,568	—	—	—	—	337	2	—	490	6

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Shelby (City of)	6,176	—	3	—	—	—	4	—	*	*	*
Shelby (OH).....	6,176	—	3	—	—	—	4	—	*	*	*
Sierra Pacific Power Co	383,471	297	377,263	6,563	—	—	172	1	3,973	193	190
Battle Mt (NV).....	—	29	—	—	—	—	—	*	—	—	*
Brunswick (NV).....	—	22	—	—	—	—	—	*	—	—	*
Elko (NV).....	—	—	—	—	—	—	—	—	—	—	—
Fallon (NV).....	—	-1	—	—	—	—	—	—	—	—	—
Farad (CA).....	—	—	—	-2	—	—	—	—	—	—	—
Fleish (NV).....	—	—	—	1,855	—	—	—	—	—	—	—
Fort Churchill (NV).....	—	—	124,390	—	—	—	—	—	1,282	—	78
Gabbs (NV).....	—	-4	—	—	—	—	—	*	—	—	1
Kings Beach (CA).....	—	—	—	—	—	—	—	—	—	—	1
Lahontan (NV).....	—	—	—	1,391	—	—	—	—	—	—	—
North Valmy (NV).....	383,471	225	—	—	—	—	172	*	—	193	3
Pinon Pine (NV).....	—	—	63,446	—	—	—	—	—	499	—	—
Portola (CA).....	—	30	—	—	—	—	—	*	—	—	*
Tracy (NV).....	—	—	188,656	—	—	—	—	—	2,179	—	106
Valley Road (NV).....	—	-4	—	—	—	—	—	*	—	—	*
Verdi (NV).....	—	—	—	1,395	—	—	—	—	—	—	—
Washoe (NV).....	—	—	—	1,358	—	—	—	—	—	—	—
Winnemucca (NV).....	—	—	771	—	—	—	—	—	13	—	*
26 Foot Drop (NV).....	—	—	—	566	—	—	—	—	—	—	—
Sikeston (City of)	172,966	245	—	—	—	—	109	*	—	147	2
Coleman, E. P. (MO).....	—	26	—	—	—	—	—	*	—	—	*
Sikeston (MO).....	172,966	219	—	—	—	—	109	*	—	147	2
So Carolina Elec & Gas Co	1,632,650	2,231	29,920	-13,402	673,728	—	648	4	376	668	61
Burton (SC).....	—	52	953	—	—	—	—	*	19	—	1
Canadys (SC).....	200,583	260	6,319	—	—	—	82	*	65	52	5
Coit (SC).....	—	—	1,465	—	—	—	—	—	25	—	4
Columbia Hydro (SC).....	—	—	—	2,666	—	—	—	—	—	—	—
Cope (SC).....	267,000	—	—	—	—	—	104	—	—	63	4
Faber Place (SC).....	—	—	212	—	—	—	—	—	4	—	—
Fairfield County (SC).....	—	—	—	-38,482	—	—	—	—	—	—	—
Hagood (SC).....	—	—	7,944	—	—	—	—	—	104	—	11
Hardeeville (SC).....	—	137	—	—	—	—	—	*	—	—	*
Mcmeekin (SC).....	175,780	56	—	—	—	—	64	*	—	82	3
Neal Shoals (SC).....	—	—	—	1,739	—	—	—	—	—	—	—
Parr (SC).....	—	—	4,122	—	—	—	—	—	70	—	8
Parr Hydro (SC).....	—	—	—	4,673	—	—	—	—	—	—	—
Saluda Hydro (SC).....	—	—	—	9,218	—	—	—	—	—	—	—
Stevens Creek Hydro (GA).....	—	—	—	6,784	—	—	—	—	—	—	—
SRS (SC).....	16,303	28	—	—	—	—	19	*	—	39	*
Urquhart (SC).....	141,012	20	3,786	—	—	—	57	*	40	31	3
V. C. Summer (SC).....	—	—	—	—	673,728	—	—	—	—	—	—
Wateree (SC).....	476,598	503	—	—	—	—	186	1	—	250	10
Williams (SC).....	355,374	1,175	5,119	—	—	—	136	2	50	152	11
So Carolina Pub Serv Auth	1,589,316	23,282	931	27,978	—	—	606	48	16	1,120	162
Cross (SC).....	685,869	453	—	—	—	—	250	1	—	534	6
Grainger, Dolphus M (SC).....	84,642	44	—	—	—	—	34	*	—	60	*
Hilton Head (SC).....	—	5,173	—	—	—	—	—	13	—	—	33
Jefferies (SC).....	154,334	14,402	—	15,307	—	—	64	25	—	132	82
Myrtle Beach (SC).....	—	2,690	931	—	—	—	—	9	16	—	33
Spillway (SC).....	—	—	—	1,449	—	—	—	—	—	—	—
St Stephens (SC).....	—	—	—	11,222	—	—	—	—	—	—	—
Winyah (SC).....	664,471	520	—	—	—	—	258	1	—	393	7
South Miss Elec Pwr Assoc	263,068	310	98,574	—	—	—	112	1	1,119	130	14
Benndale (MS).....	—	—	766	—	—	—	—	—	10	—	—
Morrow (MS).....	263,068	55	—	—	—	—	112	*	—	130	9
Moselle (MS).....	—	—	97,808	—	—	—	—	—	1,108	—	3
Paulding (MS).....	—	255	—	—	—	—	—	1	—	—	2
South Texas Elec Coop Inc	—	27	3,563	—	—	—	—	*	50	—	18
Sam Rayburn (TX).....	—	27	3,563	—	—	—	—	*	50	—	18
Southern Calif Edison Co	924,151	2,828	2,509	593,818	1,639,772	—	431	5	25	418	1,794

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Southern Calif Edison Co											
Alamitos (CA).....	—	—	—	—	—	—	—	—	—	—	—
Baker Dam (CA).....	—	—	—	—	—	—	—	—	—	—	—
Big Creek 1 (CA).....	—	—	—	64,679	—	—	—	—	—	—	—
Big Creek 2 (CA).....	—	—	—	47,047	—	—	—	—	—	—	—
Big Creek 2a (CA).....	—	—	—	64,272	—	—	—	—	—	—	—
Big Creek 3 (CA).....	—	—	—	99,551	—	—	—	—	—	—	—
Big Creek 4 (CA).....	—	—	—	57,647	—	—	—	—	—	—	—
Big Creek 8 (CA).....	—	—	—	43,254	—	—	—	—	—	—	—
Bishop Creek 2 (CA).....	—	—	—	5,071	—	—	—	—	—	—	—
Bishop Creek 3 (CA).....	—	—	—	5,578	—	—	—	—	—	—	—
Bishop Creek 4 (CA).....	—	—	—	6,034	—	—	—	—	—	—	—
Bishop Creek 5 (CA).....	—	—	—	2,585	—	—	—	—	—	—	—
Bishop Creek 6 (CA).....	—	—	—	1,493	—	—	—	—	—	—	—
Borel (CA).....	—	—	—	7,682	—	—	—	—	—	—	—
Cool Water (CA).....	—	—	—	—	—	—	—	—	—	—	—
Dominguez Hills (CA).....	—	—	—	—	—	—	—	—	—	—	1,791
Eastwood (CA).....	—	—	—	35,637	—	—	—	—	—	—	—
El Segundo (CA).....	—	—	—	—	—	—	—	—	—	—	—
Ellwood (CA).....	—	—	—	—	—	—	—	—	—	—	—
Etiwanda (CA).....	—	—	—	—	—	—	—	—	—	—	—
Fontana (CA).....	—	—	—	752	—	—	—	—	—	—	—
Highgrove (CA).....	—	—	—	—	—	—	—	—	—	—	—
Huntington Beach (CA).....	—	—	—	—	—	—	—	—	—	—	—
Kaweah 1 (CA).....	—	—	—	1,276	—	—	—	—	—	—	—
Kaweah 2 (CA).....	—	—	—	1,428	—	—	—	—	—	—	—
Kaweah 3 (CA).....	—	—	—	3,095	—	—	—	—	—	—	—
Kern River 1 (CA).....	—	—	—	18,644	—	—	—	—	—	—	—
Kern River 3 (CA).....	—	—	—	26,517	—	—	—	—	—	—	—
Long Beach (CA).....	—	—	—	—	—	—	—	—	—	—	—
Lundy (CA).....	—	—	—	2,180	—	—	—	—	—	—	—
Lytle Creek (CA).....	—	—	—	365	—	—	—	—	—	—	—
Mammoth Pool (CA).....	—	—	—	73,796	—	—	—	—	—	—	—
Mandalay (CA).....	—	—	—	—	—	—	—	—	—	—	—
Mill Creek 1 (CA).....	—	—	—	250	—	—	—	—	—	—	—
Mill Creek 2&3 (CA).....	—	—	—	—	—	—	—	—	—	—	—
Mill Creek 3 (CA).....	—	—	—	1,020	—	—	—	—	—	—	—
Mohave (NV).....	924,151	—	2,509	—	—	—	431	—	25	418	—
Ontario 1 (CA).....	—	—	—	503	—	—	—	—	—	—	—
Ontario 2 (CA).....	—	—	—	232	—	—	—	—	—	—	—
Ormond Beach (CA).....	—	—	—	—	—	—	—	—	—	—	—
Pebbly Beach (CA).....	—	2,828	—	—	—	—	—	5	—	—	4
Poole (CA).....	—	—	—	5,262	—	—	—	—	—	—	—
Portal (CA).....	—	—	—	5,073	—	—	—	—	—	—	—
Redondo Beach (CA).....	—	—	—	—	—	—	—	—	—	—	—
Rush Creek (CA).....	—	—	—	8,156	—	—	—	—	—	—	—
San Bernardino (CA).....	—	—	—	—	—	—	—	—	—	—	—
San Geronio (CA).....	—	—	—	449	—	—	—	—	—	—	—
San Geronio (CA).....	—	—	—	—	—	—	—	—	—	—	—
San Onofre (CA).....	—	—	—	—	1,639,772	—	—	—	—	—	—
Santa Ana 1 (CA).....	—	—	—	1,400	—	—	—	—	—	—	—
Santa Ana 2 (CA).....	—	—	—	624	—	—	—	—	—	—	—
Santa Ana 3 (CA).....	—	—	—	—	—	—	—	—	—	—	—
Sierra (CA).....	—	—	—	424	—	—	—	—	—	—	—
Tule River (CA).....	—	—	—	1,842	—	—	—	—	—	—	—
Southern Ill Pwr Coop	154,190	312	—	—	—	—	84	1	—	430	3
Marion (IL).....	154,190	312	—	—	—	—	84	1	—	430	3
Southern Indiana G & E Co	608,985	—	17,596	—	—	—	285	—	219	712	10
A. B. Brown (IN).....	286,727	—	10,320	—	—	—	132	—	107	314	3
Broadway (IN).....	—	—	6,741	—	—	—	—	—	106	—	7
Culley (IN).....	231,868	—	320	—	—	—	109	—	3	253	—
Northeast (IN).....	—	—	186	—	—	—	—	—	2	—	—
Warrick (IN).....	90,390	—	29	—	—	—	44	—	*	146	—
Southwestern Elec Pwr Co	1,711,379	1,757	630,669	—	—	—	1,148	3	6,725	1,198	124
Arsenal Hill (LA).....	—	—	44,127	—	—	—	—	—	478	—	—
Flint Creek (AR).....	341,188	384	—	—	—	—	211	1	—	289	8
Knox Lee (TX).....	—	—	165,344	—	—	—	—	—	1,791	—	61

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Southwestern Elec Pwr Co											
Lieberman (LA)	—	—	81,108	—	—	—	—	—	910	—	20
Lone Star (TX)	—	—	18,545	—	—	—	—	—	237	—	3
Pirkey (TX)	479,065	—	407	—	—	—	385	—	4	219	—
Welsh (TX)	891,126	1,373	—	—	—	—	552	2	—	690	16
Wilkes (TX)	—	—	321,138	—	—	—	—	—	3,305	—	15
Southwestern Pub Serv Co											
Carlsbad (NM)	1,421,457	157	1,002,425	—	—	—	792	*	10,662	798	87
Cunningham (NM)	—	—	861	—	—	—	—	—	39	—	—
Harrington (TX)	—	—	220,472	—	—	—	—	—	2,336	—	—
Jones (TX)	713,742	—	2,485	—	—	—	382	—	25	434	—
Maddox (NM)	—	—	294,216	—	—	—	—	—	2,824	—	56
Moore County (TX)	—	—	82,636	—	—	—	—	—	907	—	—
Nichols (TX)	—	—	19,042	—	—	—	—	—	398	—	—
Plant X (TX)	—	—	213,345	—	—	—	—	—	2,193	—	—
Riverview (TX)	—	—	165,754	—	—	—	—	—	1,888	—	31
Tolk Station (TX)	—	—	2,441	—	—	—	—	—	40	—	—
Tucumcari (NM)	707,715	—	1,173	—	—	—	410	—	12	364	—
Soyland Power Coop Inc											
Pearl Station (IL)	10,831	267	—	—	—	—	7	1	—	6	3
Pittsfield (IL)	10,831	299	—	—	—	—	7	1	—	6	3
Springfield (City of)											
Dallman (IL)	203,556	438	—	—	—	—	115	1	—	49	8
Factory (IL)	173,286	184	—	—	—	—	96	*	—	45	2
Lakeside (IL)	—	137	—	—	—	—	—	*	—	—	5
Reynolds (IL)	30,270	31	—	—	—	—	19	*	—	3	*
Springfield (City of)											
James River (MO)	279,389	—	62,496	—	—	—	173	—	799	124	10
Main Street (MO)	156,338	—	46,105	—	—	—	98	—	583	51	5
Southwest (MO)	—	—	—	—	—	—	—	—	—	—	1
St Joseph Lgt & Pwr Co											
Lake Road (MO)	56,363	332	6,449	—	—	—	35	1	140	69	49
Sunflower Elec Coop											
Garden City (KS)	222,353	—	12,170	—	—	—	133	—	163	125	—
Holcomb (KS)	—	—	11,634	—	—	—	—	—	157	—	—
Superior Wtr Lt Pwr Co											
Winslow (WI)	—	—	—	—	—	—	—	—	—	—	—
Systems Energy Resources Inc											
Grand Gulf (MS)	—	—	—	—	912,735	—	—	—	—	—	—
Tacoma (City of)											
Alder (WA)	—	—	—	142,488	—	—	—	—	—	—	—
Cushman 1 (WA)	—	—	—	14,457	—	—	—	—	—	—	—
Cushman 2 (WA)	—	—	—	4,379	—	—	—	—	—	—	—
La Grande (WA)	—	—	—	6,746	—	—	—	—	—	—	—
Mayfield (WA)	—	—	—	20,792	—	—	—	—	—	—	—
Mossyrock (WA)	—	—	—	33,468	—	—	—	—	—	—	—
Steam Plant 2 (WA)	—	—	—	61,854	—	—	—	—	—	—	—
Wynoochee (WA)	—	—	—	792	—	—	—	—	—	—	—
Tallahassee (City of)											
Hopkins, Arvah B (FL)	—	636	185,314	363	—	—	—	1	2,080	—	211
Jackson Bluff (FL)	—	618	144,726	—	—	—	—	1	1,549	—	116
Purdom, S O (FL)	—	—	—	363	—	—	—	—	—	—	—
Tampa Electric Co											
Big Bend (FL)	1,607,579	68,109	—	—	—	—	764	134	—	1,799	249
Coal Storage (FL)	889,957	22,054	—	—	—	—	413	37	—	371	27
Gannon, F J (FL)	—	—	—	—	—	—	—	—	—	1,232	—
Hookers Point (FL)	549,650	3,037	—	—	—	—	279	7	—	175	4
Polk (FL)	—	26,060	—	—	—	—	—	66	—	—	174
Tampa Electric Co											
Polk (FL)	167,972	7,285	—	—	—	—	72	10	—	21	35

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Tampa Electric Co											
S Dinner Lk (FL).....	—	—	—	—	—	—	—	—	—	—	—
S Phillips (FL).....	—	9,673	—	—	—	—	—	15	—	—	9
Taunton (City of)											
Cleary, B F (MA).....	—	9,142	6,301	—	—	—	—	14	103	—	23
Tennessee Valley Auth											
Allen (TN).....	403,219	4,562	99,146	—	—	—	222	9	1,123	133	120
Apalachia (TN).....	—	—	—	52,955	—	—	—	—	—	—	—
Blue Ridge (GA).....	—	—	—	4,888	—	—	—	—	—	—	—
Boone (TN).....	—	—	—	17,255	—	—	—	—	—	—	—
Browns Ferry (AL).....	—	—	—	—	1,427,079	—	—	—	—	—	—
Bull Run (TN).....	401,968	4,213	—	—	—	—	145	6	—	188	11
Chatuge (NC).....	—	—	—	3,139	—	—	—	—	—	—	—
Cherokee (TN).....	—	—	—	46,641	—	—	—	—	—	—	—
Chickamauga (TN).....	—	—	—	72,329	—	—	—	—	—	—	—
Colbert (AL).....	531,896	6,880	122,838	—	—	—	243	13	1,305	425	68
Cumberland (TN).....	1,756,930	317	—	—	—	—	727	1	—	659	10
Douglas (TN).....	—	—	—	94,835	—	—	—	—	—	—	—
Fontana (NC).....	—	—	—	82,617	—	—	—	—	—	—	—
Fort Loudoun (TN).....	—	—	—	76,087	—	—	—	—	—	—	—
Fort Patrick Henry (TN).....	—	—	—	10,498	—	—	—	—	—	—	—
Gallatin (TN).....	625,191	12,869	—	—	—	—	292	22	—	324	52
Great Falls (TN).....	—	—	—	9,580	—	—	—	—	—	—	—
Guntersville (AL).....	—	—	—	57,412	—	—	—	—	—	—	—
Hiwassee (NC).....	—	—	—	31,022	—	—	—	—	—	—	—
Johnsonville (TN).....	646,693	44,661	—	—	—	—	293	85	—	253	448
Kentucky (KY).....	—	—	—	117,344	—	—	—	—	—	—	—
Kingston (TN).....	921,589	700	—	—	—	—	365	1	—	168	4
Melton Hill (TN).....	—	—	—	14,646	—	—	—	—	—	—	—
Nickajack (TN).....	—	—	—	54,949	—	—	—	—	—	—	—
Norris (TN).....	—	—	—	54,283	—	—	—	—	—	—	—
Nottely (GA).....	—	—	—	4,484	—	—	—	—	—	—	—
Ocoee 1 (TN).....	—	—	—	5,089	—	—	—	—	—	—	—
Ocoee 2 (TN).....	—	—	—	7,809	—	—	—	—	—	—	—
Ocoee 3 (TN).....	—	—	—	15,012	—	—	—	—	—	—	—
Paradise (KY).....	1,301,954	240	—	—	—	—	564	*	—	864	*
Pickwick (TN).....	—	—	—	95,158	—	—	—	—	—	—	—
Raccoon Mountain (TN).....	—	—	—	-67,581	—	—	—	—	—	—	—
Sequoyah (TN).....	—	—	—	—	1,507,413	—	—	—	—	—	—
Sevier, John (TN).....	477,644	101	—	—	—	—	187	*	—	108	2
Shawnee (KY).....	735,893	1,388	—	—	—	—	345	3	—	371	7
South Holston (TN).....	—	—	—	15,738	—	—	—	—	—	—	—
Tims Ford (TN).....	—	—	—	4,227	—	—	—	—	—	—	—
Watauga (TN).....	—	—	—	14,884	—	—	—	—	—	—	—
Watts Bar (TN).....	-130	—	—	—	—	—	—	—	—	—	—
Watts Bar (TN).....	—	—	—	81,437	—	—	—	—	—	—	—
Watts Bar (TN).....	—	—	—	—	810,223	—	—	—	—	—	—
Wheeler (AL).....	—	—	—	86,412	—	—	—	—	—	—	—
Widows Creek (AL).....	808,435	2,850	—	—	—	—	391	6	—	412	10
Wilbur (TN).....	—	—	—	2,642	—	—	—	—	—	—	—
Wilson (AL).....	—	—	—	167,164	—	—	—	—	—	—	—
Terrebonne Parish Consol											
Govt.....	—	-31	18,655	—	—	—	—	*	237	—	1
Houma (LA).....	—	-31	18,655	—	—	—	—	*	237	—	1
Texas Mun Power Agency											
Gibbons Creek (TX).....	171,536	—	1,869	—	—	—	106	—	19	176	6
Texas Utilities Elec Co											
Big Brown (TX).....	644,534	—	5,925	—	—	—	527	—	63	181	—
Collin (TX).....	—	—	61,547	—	—	—	—	—	682	—	52
Comanche Peak (TX).....	—	—	—	—	1,443,972	—	—	—	—	—	—
Dallas (TX).....	—	—	—	—	—	—	—	—	—	—	—
De Cordova (TX).....	—	—	451,594	—	—	—	—	—	4,464	—	232
Eagle Mountain (TX).....	—	—	167,564	—	—	—	—	—	2,079	—	70
Graham (TX).....	—	—	300,564	—	—	—	—	—	2,937	—	124
Handley (TX).....	—	—	444,793	—	—	—	—	—	5,337	—	259

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Texas Utilities Elec Co											
Lake Creek (TX).....	—	89	135,641	—	—	—	—	*	1,506	—	63
Lake Hubbard (TX).....	—	—	396,436	—	—	—	—	—	4,186	—	254
Martin Lake (TX).....	1,525,159	1,482	—	—	—	—	1,262	3	—	487	21
Monticello (TX).....	1,267,658	278	—	—	—	—	1,124	1	—	491	16
Morgan Creek (TX).....	—	2,701	430,360	—	—	—	—	5	4,561	—	221
Mountain Creek (TX).....	—	—	422,501	—	—	—	—	—	4,668	—	156
North Lake (TX).....	—	—	307,124	—	—	—	—	—	3,237	—	125
North Main (TX).....	—	—	29,433	—	—	—	—	—	332	—	—
Parkdale (TX).....	—	—	120,794	—	—	—	—	—	1,568	—	4
Permian Basin (TX).....	—	—	377,871	—	—	—	—	—	3,789	—	217
River Crest (TX).....	—	—	37,513	—	—	—	—	—	455	—	3
Sandow (TX).....	410,458	—	—	—	—	—	330	—	—	982	—
Stryker Creek (TX).....	—	166	333,913	—	—	—	—	*	3,347	—	94
Tradinghouse Creek (TX).....	—	—	689,644	—	—	—	—	—	6,556	—	194
Trinidad (TX).....	—	56	95,562	—	—	—	—	*	1,014	—	41
Valley (TX).....	—	—	403,717	—	—	—	—	—	4,408	—	199
Texas-New Mexico Power Co											
Lordsburg (NM).....	—	—	—	—	—	—	—	—	—	—	—
TNP One (TX).....	191,961	—	1,007	—	—	—	162	—	12	17	—
Toledo Edison Co (The)											
Acme (OH).....	—	—	—	—	—	—	—	—	—	—	—
Bay Shore (OH).....	300,818	—	—	—	—	—	137	—	—	123	2
Davis-Besse (OH).....	—	—	—	—	—	656,816	—	—	—	—	—
Richland (OH).....	—	—	115	—	—	—	—	—	2	—	1
Stryker (OH).....	—	—	—	—	—	—	—	—	—	—	1
Traverse (City of)											
Bayside (MI).....	522	—	—	848	—	—	*	—	—	9	—
Boardman (MI).....	522	—	—	—	—	—	*	—	—	9	—
Brown Bridge (MI).....	—	—	—	407	—	—	—	—	—	—	—
Elk Rapids (MI).....	—	—	—	219	—	—	—	—	—	—	—
Sabin (MI).....	—	—	—	94	—	—	—	—	—	—	—
Tri-state G & T Assn Inc											
Burlington (CO).....	790,986	5,096	1,043	—	—	—	403	11	10	1,242	25
Craig (CO).....	—	4,760	—	—	—	—	—	10	—	—	22
Nucla (CO).....	754,235	—	1,043	—	—	—	382	—	10	1,200	2
—	36,751	336	—	—	—	—	21	1	—	41	1
Tucson Electric Power Co											
De Moss Petrie (AZ).....	548,749	404	85,222	—	—	—	289	1	980	388	18
Irvington (AZ).....	—	—	—	—	—	—	—	—	—	—	4
North Loop (AZ).....	70,654	—	83,102	—	—	—	29	—	944	46	5
Springerville (AZ).....	—	—	2,120	—	—	—	—	—	36	—	7
—	478,095	404	—	—	—	—	261	1	—	342	3
Turlock Irrigation Dist											
Almond (CA).....	—	—	6,013	77,909	—	—	—	—	66	—	3
Hickman (CA).....	—	—	5,322	—	—	—	—	—	55	—	—
Lagrange (CA).....	—	—	—	768	—	—	—	—	—	—	—
New Don Pedro (CA).....	—	—	—	3,436	—	—	—	—	—	—	—
Turlock Lake (CA).....	—	—	—	69,504	—	—	—	—	—	—	—
Uppr Dawson (CA).....	—	—	—	1,990	—	—	—	—	—	—	—
Walnut (CA).....	—	—	691	2,211	—	—	—	—	11	—	3
Union Electric Co											
Callaway (MO).....	2,878,584	16,683	28,171	100,614	851,732	3,098	1,723	43	440	1,917	97
Canton (MO).....	—	—	—	—	851,732	—	—	—	—	—	—
Howard Bend (MO).....	—	1,956	—	—	—	—	—	5	—	—	3
Jefferson City (MO).....	—	2,129	—	—	—	—	—	5	—	—	1
Keokuk (IA).....	—	—	—	82,036	—	—	—	—	—	—	—
Kirksville (MO).....	—	—	77	—	—	—	—	—	1	—	—
Labadie (MO).....	1,331,758	595	—	—	—	—	817	1	—	793	29
Meramec (MO).....	318,465	1,295	11,973	—	—	—	181	3	135	158	10
Mexico (MO).....	—	2,405	—	—	—	—	—	6	—	—	4
Moberly (MO).....	—	2,024	—	—	—	—	—	5	—	—	3
Moreau (MO).....	—	2,566	—	—	—	—	—	6	—	—	4
Osage (MO).....	—	—	—	37,297	—	—	—	—	—	—	—
Portable (MO).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Union Electric Co												
Rush Island (MO).....	710,656	826	—	—	—	—	—	439	2	—	518	4
Sioux (MO).....	517,705	30	—	—	—	3,098	287	*	—	—	448	1
Taum Sauk (MO).....	—	—	—	-18,719	—	—	—	—	—	—	—	—
Venice No. 2 (IL).....	—	2,857	15,746	—	—	—	—	10	297	—	—	38
Viaduct (MO).....	—	—	375	—	—	—	—	—	7	—	—	—
United Gas Imp Co (The)	24,491	828	—	—	—	—	—	18	2	—	47	*
Hunlock Creek (PA).....	24,491	828	—	—	—	—	18	2	—	—	47	*
United Illuminating Co	35,012	289,046	—	—	—	—	—	16	459	—	158	332
Bridgeport Harbor (CT).....	35,012	58,234	—	—	—	—	16	106	—	—	158	13
English (CT).....	—	—	—	—	—	—	—	—	—	—	—	—
New Haven Harbor (CT).....	—	230,812	—	—	—	—	—	353	—	—	—	319
United Power Assn	110,491	182	219	—	—	—	17,033	89	1	3	97	7
Cambridge (MN).....	—	62	—	—	—	—	—	*	—	—	—	2
Elk River (MN).....	—	—	219	—	—	—	17,033	—	3	—	—	1
Maple Lake (MN).....	—	54	—	—	—	—	—	*	—	—	—	2
Rock Lake (MN).....	—	39	—	—	—	—	—	*	—	—	—	2
Stanton (ND).....	110,491	27	—	—	—	—	89	*	—	—	97	1
Utilicorp United Inc	313,031	214	58,698	—	—	—	—	168	1	812	125	52
Green, Ralph (MO).....	—	—	9,758	—	—	—	—	—	—	145	—	—
Greenwood (MO).....	—	—	47,117	—	—	—	—	—	—	635	—	49
Kci (MO).....	—	—	1,823	—	—	—	—	—	—	31	—	—
Nevada (MO).....	—	165	—	—	—	—	—	*	—	—	—	3
Sibley (MO).....	313,031	49	—	—	—	—	168	*	—	—	125	1
UtiliCorp United Inc	21,576	366	127,276	—	—	—	—	13	1	1,532	8	6
Cimarron River (KS).....	—	—	21,808	—	—	—	—	—	—	306	—	—
Clark, W N (CO).....	21,576	—	—	—	—	—	13	—	—	—	8	—
Clifton (KS).....	—	—	11,571	—	—	—	—	—	—	158	—	—
Judson Large (KS).....	—	—	55,082	—	—	—	—	—	—	639	—	2
Mullergren, Arthur (KS).....	—	—	38,815	—	—	—	—	—	—	430	—	1
Pueblo (CO).....	—	186	—	—	—	—	—	*	—	—	—	3
Rocky Ford (CO).....	—	180	—	—	—	—	—	*	—	—	—	1
USBR-Great Plains Region	—	—	—	386,064	—	—	—	—	—	—	—	—
Alcova (WY).....	—	—	—	20,354	—	—	—	—	—	—	—	—
Big Thompson (CO).....	—	—	—	1,825	—	—	—	—	—	—	—	—
Boysen (WY).....	—	—	—	11,404	—	—	—	—	—	—	—	—
Buffalo Bill (WY).....	—	—	—	11,735	—	—	—	—	—	—	—	—
Canyon Ferry (MT).....	—	—	—	40,808	—	—	—	—	—	—	—	—
Estes (CO).....	—	—	—	15,220	—	—	—	—	—	—	—	—
Flatiron (CO).....	—	—	—	26,218	—	—	—	—	—	—	—	—
Fremont Canyon (WY).....	—	—	—	47,488	—	—	—	—	—	—	—	—
Glendo (WY).....	—	—	—	18,298	—	—	—	—	—	—	—	—
Green Mountain (CO).....	—	—	—	8,692	—	—	—	—	—	—	—	—
Guernsey (WY).....	—	—	—	4,471	—	—	—	—	—	—	—	—
Heart Mountain (WY).....	—	—	—	3,779	—	—	—	—	—	—	—	—
Kortes (WY).....	—	—	—	11,658	—	—	—	—	—	—	—	—
Marys Lake (CO).....	—	—	—	5,922	—	—	—	—	—	—	—	—
Mount Elbert (CO).....	—	—	—	-5,117	—	—	—	—	—	—	—	—
Pilot Butte (WY).....	—	—	—	882	—	—	—	—	—	—	—	—
Pole Hill (CO).....	—	—	—	22,180	—	—	—	—	—	—	—	—
Seminole (WY).....	—	—	—	11,609	—	—	—	—	—	—	—	—
Shoshone (WY).....	—	—	—	2,123	—	—	—	—	—	—	—	—
Spirit Mountain (WY).....	—	—	—	3,281	—	—	—	—	—	—	—	—
Yellowtail (MT).....	—	—	—	123,234	—	—	—	—	—	—	—	—
USBR-Lower Colorado	—	—	—	617,457	—	—	—	—	—	—	—	—
Davis (AZ).....	—	—	—	108,495	—	—	—	—	—	—	—	—
Hoover (AZ).....	—	—	—	235,405	—	—	—	—	—	—	—	—
Hoover (NV).....	—	—	—	213,943	—	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	59,614	—	—	—	—	—	—	—	—
USBR-Mid Pacific Region	—	—	—	832,362	—	—	—	—	—	—	—	—
Folsom (CA).....	—	—	—	73,779	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
USBR-Mid Pacific Region											
Judge F Carr (CA).....	—	—	—	96,438	—	—	—	—	—	—	—
Keswick (CA).....	—	—	—	63,096	—	—	—	—	—	—	—
Lewiston (CA).....	—	—	—	223	—	—	—	—	—	—	—
New Melones (CA).....	—	—	—	107,518	—	—	—	—	—	—	—
Nimbus (CA).....	—	—	—	8,362	—	—	—	—	—	—	—
O Neill (CA).....	—	—	—	-2,275	—	—	—	—	—	—	—
Shasta (CA).....	—	—	—	293,529	—	—	—	—	—	—	—
Spring Creek (CA).....	—	—	—	99,199	—	—	—	—	—	—	—
Stampede (CA).....	—	—	—	1,288	—	—	—	—	—	—	—
Trinity (CA).....	—	—	—	91,205	—	—	—	—	—	—	—
USBR-Pacific NW Region											
Anderson Ranch (ID).....	—	—	—	2,204,249	—	—	—	—	—	—	—
Black Canyon (ID).....	—	—	—	19,154	—	—	—	—	—	—	—
Boise River Div (ID).....	—	—	—	5,987	—	—	—	—	—	—	—
Chandler (WA).....	—	—	—	—	—	—	—	—	—	—	—
Grand Coulee (WA).....	—	—	—	1,744	—	—	—	—	—	—	—
Green Springs (OR).....	—	—	—	1,890,542	—	—	—	—	—	—	—
Hungry Horse (MT).....	—	—	—	7,154	—	—	—	—	—	—	—
Minidoka (ID).....	—	—	—	142,392	—	—	—	—	—	—	—
Palisades (ID).....	—	—	—	19,847	—	—	—	—	—	—	—
Roza (WA).....	—	—	—	110,622	—	—	—	—	—	—	—
	—	—	—	6,807	—	—	—	—	—	—	—
USBR-Upper Colorado Region											
Blue Mesa (CO).....	—	—	—	823,063	—	—	—	—	—	—	—
Crystal (CO).....	—	—	—	29,336	—	—	—	—	—	—	—
Deer Creek (UT).....	—	—	—	20,063	—	—	—	—	—	—	—
Elephant Butte (NM).....	—	—	—	3,881	—	—	—	—	—	—	—
Flaming Gorge (UT).....	—	—	—	16,872	—	—	—	—	—	—	—
Fontenelle (WY).....	—	—	—	57,921	—	—	—	—	—	—	—
Glen Canyon (AZ).....	—	—	—	8,483	—	—	—	—	—	—	—
Lower Molina (CO).....	—	—	—	645,568	—	—	—	—	—	—	—
McPhee (CO).....	—	—	—	1,828	—	—	—	—	—	—	—
Morrow Point (CO).....	—	—	—	74	—	—	—	—	—	—	—
Towaoc (CO).....	—	—	—	35,631	—	—	—	—	—	—	—
Upper Molina (CO).....	—	—	—	317	—	—	—	—	—	—	—
	—	—	—	3,089	—	—	—	—	—	—	—
USCE-Fort Worth District											
R D Willis (TX).....	—	—	—	17,548	—	—	—	—	—	—	—
Sam Rayburn (TX).....	—	—	—	4,520	—	—	—	—	—	—	—
Whitney (TX).....	—	—	—	9,886	—	—	—	—	—	—	—
	—	—	—	3,142	—	—	—	—	—	—	—
USCE-Hartwell Power Plant											
Hartwell (GA).....	—	—	—	33,056	—	—	—	—	—	—	—
	—	—	—	33,056	—	—	—	—	—	—	—
USCE-J Strom Thur Pwr Plt											
J Strom Thurmond (SC).....	—	—	—	44,246	—	—	—	—	—	—	—
	—	—	—	44,246	—	—	—	—	—	—	—
USCE-Kansas City Dist											
Harry S Truman (MO).....	—	—	—	18,916	—	—	—	—	—	—	—
Stockton (MO).....	—	—	—	13,538	—	—	—	—	—	—	—
	—	—	—	5,378	—	—	—	—	—	—	—
USCE-Little Rock											
Beaver (AR).....	—	—	—	179,257	—	—	—	—	—	—	—
Bull Shoals (AR).....	—	—	—	7,613	—	—	—	—	—	—	—
Dardanelle (AR).....	—	—	—	68,409	—	—	—	—	—	—	—
Greers Ferry (AR).....	—	—	—	25,395	—	—	—	—	—	—	—
Norfolk (AR).....	—	—	—	8,624	—	—	—	—	—	—	—
Ozark (AR).....	—	—	—	12,436	—	—	—	—	—	—	—
Table Rock (MO).....	—	—	—	17,108	—	—	—	—	—	—	—
	—	—	—	39,672	—	—	—	—	—	—	—
USCE-Missouri River District											
Big Bend (SD).....	—	—	—	932,245	—	—	—	—	—	—	—
Fort Peck (MT).....	—	—	—	85,863	—	—	—	—	—	—	—
Fort Randall (SD).....	—	—	—	110,761	—	—	—	—	—	—	—
Garrison (ND).....	—	—	—	179,112	—	—	—	—	—	—	—
Gavins Point (NE).....	—	—	—	219,270	—	—	—	—	—	—	—
Oahe (SD).....	—	—	—	75,812	—	—	—	—	—	—	—
	—	—	—	261,427	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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-Mobile District	—	—	—	150,133	—	—	—	—	—	—	—
Allatoona (GA).....	—	—	—	8,066	—	—	—	—	—	—	—
Buford (GA).....	—	—	—	14,110	—	—	—	—	—	—	—
Carters (GA).....	—	—	—	32,746	—	—	—	—	—	—	—
J Woodruff (FL).....	—	—	—	17,167	—	—	—	—	—	—	—
Jones Bluff (AL).....	—	—	—	18,174	—	—	—	—	—	—	—
Millers Ferry (AL).....	—	—	—	22,636	—	—	—	—	—	—	—
Walter F George (GA).....	—	—	—	23,292	—	—	—	—	—	—	—
West Point (GA).....	—	—	—	13,942	—	—	—	—	—	—	—
USCE-Nashville	—	—	—	273,021	—	—	—	—	—	—	—
Barkley (KY).....	—	—	—	73,658	—	—	—	—	—	—	—
Center Hill (TN).....	—	—	—	29,082	—	—	—	—	—	—	—
Cheatham (TN).....	—	—	—	19,014	—	—	—	—	—	—	—
Cordell Hull (TN).....	—	—	—	30,563	—	—	—	—	—	—	—
Dale Hollow (TN).....	—	—	—	13,937	—	—	—	—	—	—	—
J Percy Priest (TN).....	—	—	—	-83	—	—	—	—	—	—	—
Laurel (KY).....	—	—	—	3,522	—	—	—	—	—	—	—
Old Hickory (TN).....	—	—	—	39,371	—	—	—	—	—	—	—
Wolf Creek (KY).....	—	—	—	63,957	—	—	—	—	—	—	—
USCE-North Pacific Div.	—	—	—	3,892,596	—	—	—	—	—	—	—
Albeni Falls (ID).....	—	—	—	22,190	—	—	—	—	—	—	—
Big Cliff (OR).....	—	—	—	3,685	—	—	—	—	—	—	—
Bonneville (OR).....	—	—	—	190,207	—	—	—	—	—	—	—
Chief Joseph (WA).....	—	—	—	1,005,252	—	—	—	—	—	—	—
Cougar (OR).....	—	—	—	18,773	—	—	—	—	—	—	—
Detroit (OR).....	—	—	—	17,523	—	—	—	—	—	—	—
Dexter (OR).....	—	—	—	—	—	—	—	—	—	—	—
Dworshak (ID).....	—	—	—	255,096	—	—	—	—	—	—	—
Foster (OR).....	—	—	—	3,100	—	—	—	—	—	—	—
Green Peter (OR).....	—	—	—	9,459	—	—	—	—	—	—	—
Hills Creek (OR).....	—	—	—	6,403	—	—	—	—	—	—	—
Ice Harbor (WA).....	—	—	—	46,388	—	—	—	—	—	—	—
John Day (OR).....	—	—	—	570,195	—	—	—	—	—	—	—
Libby (MT).....	—	—	—	324,685	—	—	—	—	—	—	—
Little Goose (WA).....	—	—	—	168,909	—	—	—	—	—	—	—
Lookout Point (OR).....	—	—	—	27,007	—	—	—	—	—	—	—
Lost Creek (OR).....	—	—	—	34,743	—	—	—	—	—	—	—
Lower Granite (WA).....	—	—	—	177,003	—	—	—	—	—	—	—
Lower Monumental (WA).....	—	—	—	180,106	—	—	—	—	—	—	—
McNary (OR).....	—	—	—	518,021	—	—	—	—	—	—	—
The Dalles (WA).....	—	—	—	313,851	—	—	—	—	—	—	—
USCE-R B Russell	—	—	—	33,309	—	—	—	—	—	—	—
R B Russell (GA).....	—	—	—	33,309	—	—	—	—	—	—	—
USCE-St Louis Dist	—	—	—	25,154	—	—	—	—	—	—	—
Clarence Canyon (MO).....	—	—	—	25,154	—	—	—	—	—	—	—
USCE-Tulsa District	—	—	—	89,091	—	—	—	—	—	—	—
Broken Bow (OK).....	—	—	—	2,899	—	—	—	—	—	—	—
Denison (TX).....	—	—	—	13,918	—	—	—	—	—	—	—
Eufaula (OK).....	—	—	—	7,400	—	—	—	—	—	—	—
Fort Gibson (OK).....	—	—	—	17,660	—	—	—	—	—	—	—
Keystone (OK).....	—	—	—	7,396	—	—	—	—	—	—	—
Robert S Kerr (OK).....	—	—	—	23,617	—	—	—	—	—	—	—
Tenkiller Ferry (OK).....	—	—	—	3,996	—	—	—	—	—	—	—
Webbers Falls (OK).....	—	—	—	12,205	—	—	—	—	—	—	—
USCE-Vickburg District	—	—	—	10,666	—	—	—	—	—	—	—
Blakely Mountain (AR).....	—	—	—	7,956	—	—	—	—	—	—	—
Degray (AR).....	—	—	—	1,606	—	—	—	—	—	—	—
Narrows (AR).....	—	—	—	1,104	—	—	—	—	—	—	—
USCE-Wilmington	—	—	—	15,572	—	—	—	—	—	—	—
John H Kerr (VA).....	—	—	—	13,779	—	—	—	—	—	—	—
Philpott (VA).....	—	—	—	1,793	—	—	—	—	—	—	—
Vero Beach (City of)	—	5,007	21,857	—	—	—	—	11	238	—	47
Municipal Plant (FL).....	—	5,007	21,857	—	—	—	—	11	238	—	47

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
Vineland (City of)	11,250	7,930	—	—	—	—	7	15	—	5	24
Down, Howard (NJ).....	11,250	5,123	—	—	—	—	7	9	—	5	17
West (NJ).....	—	2,807	—	—	—	—	—	6	—	—	6
Virginia (City of)	3,698	—	411	—	—	—	2	—	4	—	—
Virginia (MN).....	3,698	—	411	—	—	—	2	—	4	—	—
Virginia Elec & Power Co	3,232,172	524,639	290,292	-89,883	2,531,460	—	1,276	874	2,947	1,093	1,177
Bath County (VA).....	—	—	—	-112,301	—	—	—	—	—	—	—
Bremo Bluff (VA).....	129,689	312	—	—	—	—	58	1	—	31	3
Chesapeake (VA).....	368,350	3,215	—	—	—	—	142	5	—	143	28
Chesterfield (VA).....	761,512	1,842	204,019	—	—	—	292	3	1,960	82	82
Clover (VA).....	566,600	398	—	—	—	—	215	1	—	215	4
Cushaw (VA).....	—	—	—	508	—	—	—	—	—	—	—
Darbytown (VA).....	—	440	40,450	—	—	—	—	1	493	—	66
Gaston (NC).....	—	—	—	10,220	—	—	—	—	—	—	—
Gravel Neck (VA).....	—	7,656	25,529	—	—	—	—	18	303	—	61
Kitty Hawk (NC).....	—	155	—	—	—	—	—	*	—	—	8
Low Moor (VA).....	—	1,435	—	—	—	—	—	4	—	—	7
Mt Storm (WV).....	1,065,369	1,205	—	—	—	—	424	2	—	550	11
North Anna (VA).....	—	—	—	132	1,324,362	—	—	—	—	—	—
North Branch (WV).....	—	—	—	—	—	—	—	—	—	—	—
Northern Neck (VA).....	—	1,351	—	—	—	—	—	4	—	—	8
Possum Point (VA).....	177,198	172,548	—	—	—	—	78	290	—	33	134
Roanoke Rapids (NC).....	—	—	—	11,558	—	—	—	—	—	—	—
Surry (VA).....	—	—	—	—	1,207,098	—	—	—	—	—	—
Yktn Term A (VA).....	—	—	—	—	—	—	—	—	—	—	557
Yorktown (VA).....	163,454	334,082	20,294	—	—	—	67	545	192	39	150
1st Energy (VA).....	—	—	—	—	—	—	—	—	—	—	59
Vt Yankee Nuclear Pr Corp	—	—	—	—	373,743	—	—	—	—	—	—
Vt. Yankee (VT).....	—	—	—	—	373,743	—	—	—	—	—	—
Wash Pub Pwr Supply System	—	—	—	4,360	401,477	—	—	—	—	—	—
Packwood (WA).....	—	—	—	4,360	401,477	—	—	—	—	—	—
WNP-2 (WA).....	—	—	—	—	401,477	—	—	—	—	—	—
Washington Wtr Pwr Co(The	—	—	47,598	218,833	—	33,119	—	—	563	—	—
Cabinet Gorge (ID).....	—	—	—	73,474	—	—	—	—	—	—	—
Kettle Fls (WA).....	—	—	911	—	—	33,119	—	—	10	—	—
Little Falls (WA).....	—	—	—	5,977	—	—	—	—	—	—	—
Long Lake (WA).....	—	—	—	14,487	—	—	—	—	—	—	—
Meyers Falls (WA).....	—	—	—	622	—	—	—	—	—	—	—
Monroe Street (WA).....	—	—	—	4,080	—	—	—	—	—	—	—
Nine Mile (WA).....	—	—	—	3,803	—	—	—	—	—	—	—
Northeast (WA).....	—	—	1,997	—	—	—	—	—	23	—	—
Noxon Rapids (MT).....	—	—	—	111,358	—	—	—	—	—	—	—
Post Falls (ID).....	—	—	—	1,574	—	—	—	—	—	—	—
Rathdrum (WA).....	—	—	44,690	—	—	—	—	—	530	—	—
Upper Falls (WA).....	—	—	—	3,458	—	—	—	—	—	—	—
Waverly (City of)	—	—	—	209	—	2	—	—	—	—	1
East Hydro (IA).....	—	—	—	209	—	—	—	—	—	—	—
East Plant (IA).....	—	—	—	—	—	—	—	—	—	—	*
North Plant (IA).....	—	—	—	—	—	—	—	—	—	—	1
Skeets 1 (IA).....	—	—	—	—	—	2	—	—	—	—	—
West Penn Power Co	1,182,620	14,004	715	2,582	—	—	465	23	7	559	28
Armstrong (PA).....	202,763	171	—	—	—	—	81	*	—	109	*
Hatfields Ferry (PA).....	829,238	267	—	—	—	—	324	*	—	367	5
Lake Lynn (WV).....	—	—	—	2,582	—	—	—	—	—	—	—
Mitchell (PA).....	150,619	13,566	715	—	—	—	61	23	7	83	22
Springdale (PA).....	—	—	—	—	—	—	—	—	—	—	—
West Texas Utilities Co	389,162	752	405,838	—	—	—	242	2	4,405	365	254
Abilene (TX).....	—	—	3,475	—	—	—	—	—	49	—	—
Fort Phantom (TX).....	—	—	129,283	—	—	—	—	—	1,362	—	103
Ft Stockton (TX).....	—	—	9	—	—	—	—	—	2	—	—
Lake Pauline (TX).....	—	—	15,061	—	—	—	—	—	238	—	18
Oak Creek (TX).....	—	—	39,709	—	—	—	—	—	368	—	26

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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)
West Texas Utilities Co											
Oklahoma (TX)	389,162	730	—	—	—	—	242	1	—	365	5
Paint Creek (TX)	—	—	74,518	—	—	—	—	—	797	—	80
Presidio (TX)	—	—	—	—	—	—	—	—	—	—	1
Rio Pecos (TX)	—	—	63,044	—	—	—	—	—	761	—	1
San Angelo (TX)	—	—	80,739	—	—	—	—	—	828	—	19
Vernon (TX)	—	22	—	—	—	—	—	*	—	—	1
Western Farmers Elec Coop	271,247	95	302,118	—	—	—	162	*	2,942	129	89
Anadarko (OK)	—	—	162,241	—	—	—	—	—	1,479	—	87
Hugo (OK)	271,247	95	—	—	—	—	162	*	—	129	3
Mooreland (OK)	—	—	139,877	—	—	—	—	—	1,464	—	—
Western Mass Elec Co											
Cabot (MA)	—	9,415	27,725	-16,429	—	—	—	19	353	—	59
Cobble Mountain (MA)	—	—	—	16,030	—	—	—	—	—	—	—
Doreen (MA)	—	189	—	1,406	—	—	—	*	—	—	2
Dwight (MA)	—	—	—	148	—	—	—	—	—	—	—
Gardners Falls (MA)	—	—	—	496	—	—	—	—	—	—	—
Indian Orchard (MA)	—	—	—	32	—	—	—	—	—	—	—
Northfield Mountain (MA)	—	—	—	-35,141	—	—	—	—	—	—	—
Putts Bridge (MA)	—	—	—	200	—	—	—	—	—	—	—
Red Bridge (MA)	—	—	—	206	—	—	—	—	—	—	—
Turners Falls (MA)	—	—	—	194	—	—	—	—	—	—	—
West Springfield (MA)	—	9,058	27,725	—	—	—	—	18	353	—	56
Woodland Road (MA)	—	168	—	—	—	—	—	*	—	—	1
Willmar (City of)											
Willmar (MN)	3,274	—	74	—	—	—	4	—	1	2	—
	3,274	—	74	—	—	—	4	—	1	2	—
Winfield (City of)											
Winfield (KS)	—	—	16,834	—	—	—	—	—	219	—	—
Winfield (KS)	—	—	1,765	—	—	—	—	—	34	—	—
Winfield (KS)	—	—	15,069	—	—	—	—	—	185	—	—
Winnetka (Village of)											
Winnetka (IL)	—	119	232	—	—	—	—	*	5	—	2
	—	119	232	—	—	—	—	*	5	—	2
Wisconsin Electric Pwr Co											
Appleton (WI)	1,783,878	5,473	76,838	15,906	733,378	—	993	14	1,034	2,898	77
Big Quinnesec 61 (MI)	—	—	—	994	—	—	—	—	—	—	—
Big Quinnesec 92 (MI)	—	—	—	—	—	—	—	—	—	—	—
Brule (MI)	—	—	—	4,724	—	—	—	—	—	—	—
Chalk Hill (MI)	—	—	—	596	—	—	—	—	—	—	—
Concord (WI)	—	—	—	1,417	—	—	—	—	—	—	—
Germantown (WI)	—	4,407	23,674	—	—	—	—	—	333	—	8
Hemlock Falls (MI)	—	—	—	20	—	—	—	—	—	—	11
Kingsford (MI)	—	—	—	1,334	—	—	—	—	—	—	—
Lower Paint (MI)	—	—	—	52	—	—	—	—	—	—	—
Michigamme Falls (MI)	—	—	—	1,417	—	—	—	—	—	—	—
Oconto Falls (WI)	—	—	—	296	—	—	—	—	—	—	—
Oil Storage (WI)	—	—	—	—	—	—	—	—	—	—	19
Paris (WI)	—	—	41,165	—	—	—	—	—	575	—	15
Peavy Falls (MI)	—	—	—	1,665	—	—	—	—	—	—	—
Pine (WI)	—	—	—	311	—	—	—	—	—	—	—
Pleasant Prairie (WI)	701,947	9	2,876	—	—	—	447	*	30	662	4
Point Beach (WI)	—	327	—	—	733,378	—	—	1	—	—	4
Port Washington (WI)	111,719	269	—	—	—	—	59	1	—	334	4
Presque Isle (MI)	309,620	461	—	—	—	—	170	1	—	1,354	10
South Oak Creek (WI)	544,632	—	8,802	—	—	—	257	—	92	230	3
Sturgeon (MI)	—	—	—	74	—	—	—	—	—	—	—
Twin Falls (MI)	—	—	—	1,604	—	—	—	—	—	—	—
Valley (WI)	115,960	—	321	—	—	—	60	—	4	318	—
Way (MI)	—	—	—	18	—	—	—	—	—	—	—
Weyauwega (WI)	—	—	—	—	—	—	—	—	—	—	—
White Rapids (MI)	—	—	—	1,384	—	—	—	—	—	—	—
Wisconsin Pub Serv Corp	526,375	170	31,749	11,358	366,213	—	337	*	414	175	39
Alexander (WI)	—	—	—	982	—	—	—	—	—	—	—
Caldron Falls (WI)	—	—	—	249	—	—	—	—	—	—	—
Eagle River (WI)	—	92	—	—	—	—	—	*	—	—	*

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, August 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											
Grand Rapids (MI).....	—	—	—	1,555	—	—	—	—	—	—	—
Grandfather Falls (WI).....	—	—	—	4,356	—	—	—	—	—	—	—
Hat Rapids (WI).....	—	—	—	83	—	—	—	—	—	—	—
High Falls (WI).....	—	—	—	444	—	—	—	—	—	—	—
Jersey (WI).....	—	—	—	288	—	—	—	—	—	—	—
Johnson Falls (WI).....	—	—	—	301	—	—	—	—	—	—	—
Kewaunee (WI).....	—	—	—	—	366,213	—	—	—	—	—	—
Merrill (WI).....	—	—	—	487	—	—	—	—	—	—	—
Oneida Casino (WI).....	—	78	—	—	—	—	—	*	—	—	*
Otter Rapids (WI).....	—	—	—	65	—	—	—	—	—	—	—
Peshigo (WI).....	—	—	—	89	—	—	—	—	—	—	—
Potato Rapids (WI).....	—	—	—	142	—	—	—	—	—	—	—
Pulliam (WI).....	217,440	—	3,180	—	—	—	148	—	39	97	*
Sandstone Rapids (WI).....	—	—	—	336	—	—	—	—	—	—	—
Tomahawk (WI).....	—	—	—	657	—	—	—	—	—	—	—
Wausau (WI).....	—	—	—	1,324	—	—	—	—	—	—	—
West Marinette (WI).....	—	—	20,988	—	—	—	—	286	—	—	19
Weston (WI).....	308,935	—	7,581	—	—	—	189	89	79	—	20
Wisconsin Pwr & Lgt Co.....	1,296,345	598	15,773	15,148	—	16,656	796	1	231	1,221	28
Blackhawk (WI).....	—	—	5,150	—	—	—	—	79	—	—	—
Columbia (WI).....	681,834	—	—	—	—	—	430	—	—	739	3
Dewey, Nelson (WI).....	112,878	11	—	—	—	647	61	*	—	193	*
Edgewater (WI).....	434,301	537	—	—	—	12,664	263	1	—	265	1
Janesville (WI).....	—	—	—	—	—	—	—	—	—	—	—
Kilbourn (WI).....	—	—	—	5,656	—	—	—	—	—	—	—
NA 1 (WI).....	—	—	7,720	—	—	—	—	—	111	—	10
Portable (WI).....	—	—	—	—	—	—	—	—	—	—	—
Prairie Du Sac (WI).....	—	—	—	9,447	—	—	—	—	—	—	—
Rock River (WI).....	67,332	50	2,610	—	—	3,345	42	*	36	24	9
Shawano (WI).....	—	—	45	—	—	—	—	—	—	—	—
Sheepskin (WI).....	—	—	293	—	—	—	—	—	5	—	4
Wolf Creek Nuclear Corp.....	—	—	—	—	876,503	—	—	—	—	—	—
Wolf Creek (KS).....	—	—	—	—	876,503	—	—	—	—	—	—
Wolverine Pwr supply Coop.....	-386	492	2,730	449	—	—	—	1	35	77	6
Advance (MI).....	-386	—	—	—	—	—	—	—	—	77	—
Beaver Island (MI).....	—	58	—	—	—	—	—	*	—	—	2
Johnson, George (MI).....	—	5	901	—	—	—	—	*	14	—	1
Kleber (MI).....	—	—	—	325	—	—	—	—	—	—	—
Scottville (MI).....	—	15	—	—	—	—	—	*	—	—	*
Tower (MI).....	—	249	—	—	—	—	—	1	—	—	3
Tower Hydro (MI).....	—	—	—	124	—	—	—	—	—	—	—
Vandyke, Claude (MI).....	—	13	1,829	—	—	—	—	*	21	—	*
Vestaburg (MI).....	—	152	—	—	—	—	—	*	—	—	1
Winder, C A (MI).....	—	—	—	—	—	—	—	—	—	—	—
Wyandotte (City of).....	22,429	—	1,903	—	—	—	13	—	27	21	—
Wyandotte (MI).....	22,429	—	1,903	—	—	—	13	—	27	21	—
Yazoo Pub Serv Comm (City).....	—	—	—	—	—	—	—	—	—	—	—
Yazoo (MS).....	—	—	—	—	—	—	—	—	—	—	—
Yuba County Water Agency.....	—	—	—	233,676	—	—	—	—	—	—	—
Fish Power (CA).....	—	—	—	108	—	—	—	—	—	—	—
New Colgate (CA).....	—	—	—	198,197	—	—	—	—	—	—	—
New Narrows (CA).....	—	—	—	35,371	—	—	—	—	—	—	—

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, August 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	108	131.4	31.94	2.16	1	345.3	18.93	0.20	—	—	—	100	*	—			
Lowman (AL).....	108	131.4	31.94	2.16	1	345.3	18.93	.20	—	—	—	100	*	—			
Alabama Power Co	2,067	168.5	38.13	.86	5	249.5	14.78	—	201	237.3	2.50	99	*	*			
Barry (AL).....	328	195.7	47.93	.66	—	—	—	—	93	241.8	2.66	99	—	1			
Gadsden (AL).....	29	173.5	43.95	1.81	—	—	—	—	14	261.9	2.65	98	—	2			
Gaston (AL).....	425	189.6	47.85	.95	3	247.7	14.63	—	—	—	—	100	*	—			
Gorgas 2 and 3 (AL).....	269	159.5	38.62	1.79	2	251.4	14.94	—	—	—	—	100	*	—			
Greene (AL).....	140	127.2	30.66	2.00	—	—	—	—	*	259.1	2.68	100	—	*			
James Miller (AL).....	876	154.0	30.59	.40	—	—	—	—	94	228.9	2.32	99	—	1			
Alexandria City of	—	—	—	—	—	—	—	—	517	.2	*	—	—	100			
Alexandria-Hunter (LA).....	—	—	—	—	—	—	—	—	517	.2	*	—	—	100			
American Municipal Power	71	83.5	19.55	5.23	—	—	—	—	9	384.5	4.00	99	—	1			
Gorsuch (OH).....	71	83.5	19.55	5.23	—	—	—	—	9	384.5	4.00	99	—	1			
Ames City of	28	146.6	25.84	.19	1	332.5	19.17	.20	—	—	—	99	1	—			
Ames (IA).....	28	146.6	25.84	.19	1	332.5	19.17	.20	—	—	—	99	1	—			
Anchorage City of	—	—	—	—	—	—	—	—	435	205.6	2.06	—	—	100			
George Sullivan (AK).....	—	—	—	—	—	—	—	—	435	205.6	2.06	—	—	100			
Appalachian Power Co	1,069	139.6	34.24	.77	42	302.8	17.70	*	—	—	—	99	1	—			
Amos (WV).....	538	141.7	34.45	.79	40	304.8	17.82	—	—	—	—	98	2	—			
Clinch River (VA).....	160	129.2	32.02	.75	1	300.1	17.52	.20	—	—	—	100	*	—			
Glen Lyn (VA).....	51	137.9	35.29	.89	1	228.4	13.32	—	—	—	—	100	*	—			
Kanawha River (WV).....	96	131.0	32.30	.82	—	—	—	—	—	—	—	100	—	—			
Mountaineer (WV).....	223	146.6	35.94	.66	*	311.4	17.96	.20	—	—	—	100	*	—			
Arizona Electric Pwr Coop Inc	96	111.0	21.93	.46	—	—	—	—	484	198.0	2.00	80	—	20			
Apache (AZ).....	96	111.0	21.93	.46	—	—	—	—	484	198.0	2.00	80	—	20			
Arizona Public Service Co	1,142	121.1	22.51	.64	15	373.2	21.65	.05	2,875	229.4	2.33	88	*	12			
Cholla (AZ).....	409	146.8	29.09	.45	—	—	—	—	1	315.9	3.22	100	—	*			
Four Corners (NM).....	733	105.2	18.85	.74	—	—	—	—	65	296.0	2.99	99	—	1			
Ocotillo (AZ).....	—	—	—	—	—	—	—	—	759	233.0	2.36	—	—	100			
Phoenix (AZ).....	—	—	—	—	15	373.2	21.65	.05	971	232.0	2.35	—	8	92			

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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Petroleum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
Arizona Public Service Co														
Saguaro (AZ).....	—	—	—	—	—	—	—	—	656	230.0	2.35	—	—	100
Yucca (AZ).....	—	—	—	—	—	—	—	—	422	205.0	2.07	—	—	100
Arkansas Power & Light Co.....	1,176	151.3	26.18	0.30	12	365.2	21.58	0.50	4,282	202.0	2.05	82	*	18
Couch (AR).....	—	—	—	—	—	—	—	—	587	193.5	1.98	—	—	100
Independence (AR).....	572	139.4	24.56	.23	12	365.3	21.58	.50	—	—	—	99	1	—
Lake Catherine (AR).....	—	—	—	—	—	—	—	—	2,365	201.9	2.05	—	—	100
Ritchie (AR).....	—	—	—	—	—	—	—	—	1,330	205.8	2.08	—	—	100
Whitebluff (AR).....	604	162.9	27.71	.36	*	352.9	20.98	.50	—	—	—	100	*	—
Associated Electric Coop Inc	794	84.2	14.93	.18	—	—	—	—	—	—	—	100	—	—
Hill (MO).....	355	72.9	12.91	.19	—	—	—	—	—	—	—	100	—	—
Madrid (MO).....	439	93.4	16.57	.18	—	—	—	—	—	—	—	100	—	—
Atlantic City Electric Co	76	188.3	47.98	1.71	1	319.4	18.71	.11	*	260.4	2.72	100	*	*
Deepwater (NJ).....	37	197.1	50.17	.97	—	—	—	—	*	260.4	2.72	100	—	*
England (NJ).....	39	180.1	45.94	2.40	1	319.4	18.71	.11	—	—	—	99	1	—
Austin City of.....	—	—	—	—	—	—	—	—	5,246	225.4	2.32	—	—	100
Decker Creek (TX).....	—	—	—	—	—	—	—	—	3,422	224.3	2.30	—	—	100
Holly (TX).....	—	—	—	—	—	—	—	—	1,823	227.7	2.34	—	—	100
Baltimore Gas & Electric Co	312	140.3	35.93	.91	241	182.2	11.62	.97	1,055	238.9	2.51	75	14	10
Brandon Shores (MD).....	218	140.8	35.61	.69	2	270.2	15.90	.13	—	—	—	100	*	—
Crane (MD).....	55	139.0	37.05	1.75	—	—	—	—	—	—	—	100	—	—
Gould St (MD).....	—	—	—	—	—	—	—	—	332	238.3	2.51	—	—	100
Riverside (MD).....	—	—	—	—	—	—	—	—	246	238.2	2.51	—	—	100
Wagner (MD).....	39	139.2	36.09	.92	239	181.5	11.59	.97	477	239.6	2.52	33	50	17
Basin Electric Power Coop.....	1,446	61.4	9.08	.57	7	394.9	22.87	.34	—	—	—	100	*	—
Antelope Valley (ND).....	499	72.3	9.56	.67	—	—	—	—	—	—	—	100	—	—
Laramie River (WY).....	602	46.4	7.83	.39	7	394.9	22.87	.34	—	—	—	100	*	—
Leland Olds (ND).....	346	78.7	10.55	.74	—	—	—	—	—	—	—	100	—	—
Black Hills Corp	45	47.5	7.67	.56	*	399.0	23.94	.04	—	—	—	100	*	—
Neal Simpson II (WY).....	45	47.5	7.67	.56	*	399.0	23.94	.04	—	—	—	100	*	—
Braintree City of.....	—	—	—	—	—	—	—	—	178	223.3	2.30	—	—	100
Potter Station (MA).....	—	—	—	—	—	—	—	—	178	223.3	2.30	—	—	100
Brazos Electric Power Coop Inc.....	—	—	—	—	—	—	—	—	2,748	207.6	2.08	—	—	100
Miller (TX).....	—	—	—	—	—	—	—	—	2,581	208.0	2.08	—	—	100
North Texas (TX).....	—	—	—	—	—	—	—	—	167	200.9	2.01	—	—	100
Bryan City of.....	—	—	—	—	—	—	—	—	1,104	194.5	2.01	—	—	100
Bryan (TX).....	—	—	—	—	—	—	—	—	472	194.0	2.00	—	—	100
Dansby (TX).....	—	—	—	—	—	—	—	—	632	194.8	2.01	—	—	100
Burbank City of.....	—	—	—	—	—	—	—	—	323	276.3	2.81	—	—	100
Magnolia-Olive (CA).....	—	—	—	—	—	—	—	—	323	276.3	2.81	—	—	100
Burlington City of.....	—	—	—	—	—	—	—	—	8	263.8	2.67	—	—	100
J C McNeil (VT).....	—	—	—	—	—	—	—	—	8	263.8	2.67	—	—	100
Cajun Electric Power Coop Inc.....	701	146.6	25.04	.43	3	263.4	15.49	—	1,190	214.0	2.23	90	*	9
Big Cajun No.1 (LA).....	—	—	—	—	—	—	—	—	1,190	214.0	2.23	—	—	100
Big Cajun No.2 (LA).....	701	146.6	25.04	.43	3	263.4	15.49	—	—	—	—	100	*	—
Cambridge Electric Light Co.....	—	—	—	—	—	—	—	—	97	236.8	2.37	—	—	100
Kendall Square (MA).....	—	—	—	—	—	—	—	—	97	236.8	2.37	—	—	100
Canal Electric Co.....	—	—	—	—	674	174.1	11.04	.84	258	216.9	2.25	—	94	6
Canal (MA).....	—	—	—	—	674	174.1	11.04	.84	258	216.9	2.25	—	94	6

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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Pe- tro- leum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
Cardinal Operating Co	352	147.2	35.74	1.03	—	—	—	—	—	—	—	100	—	—
Cardinal (OH).....	352	147.2	35.74	1.03	—	—	—	—	—	—	—	100	—	—
Carolina Power & Light Co	1,201	151.2	37.48	.89	48	286.6	16.61	0.20	—	—	—	99	1	—
Asheville (NC).....	76	147.8	37.47	1.02	1	293.5	17.01	.20	—	—	—	100	*	—
Cape Fear (NC).....	76	148.3	36.66	.85	14	285.0	16.52	.20	—	—	—	96	4	—
Lee (NC).....	95	158.1	38.93	.94	16	283.6	16.44	.20	—	—	—	96	4	—
Mayo (NC).....	183	146.5	36.09	.68	1	294.3	17.06	.20	—	—	—	100	*	—
Robinson (SC).....	18	139.6	35.58	1.76	*	316.0	18.32	.20	—	—	—	100	*	—
Roxboro (NC).....	591	149.7	36.97	.90	2	296.1	17.16	.20	—	—	—	100	*	—
Sutton (NC).....	125	157.8	39.44	.90	15	288.2	16.70	.20	—	—	—	97	3	—
Weatherspoon (NC).....	36	177.3	44.98	.93	—	—	—	—	—	—	—	100	—	—
Cedar Falls City of	4	139.9	36.35	2.77	—	—	—	—	19	244.3	2.44	83	—	17
Streeter (IA).....	4	139.9	36.35	2.77	—	—	—	—	19	244.3	2.44	83	—	17
Central Electric Pwr Coop-MO	15	126.9	28.03	2.65	—	—	—	—	—	—	—	100	—	—
Chamois (MO).....	15	126.9	28.03	2.65	—	—	—	—	—	—	—	100	—	—
Central Hudson Gas & Elec Corp	113	171.9	44.62	.66	838	169.1	10.72	1.25	1,421	212.4	2.16	30	55	15
Danskammer (NY).....	113	171.9	44.62	.66	—	—	—	—	403	210.1	2.14	88	—	12
Roseton (NY).....	—	—	—	—	838	169.1	10.72	1.25	1,018	213.3	2.17	—	84	16
Central Illinois Light Co	311	140.5	30.31	2.58	2	513.7	30.03	.05	—	—	—	100	*	—
Duck Creek (IL).....	116	168.7	36.09	3.52	1	428.0	25.09	.04	—	—	—	100	*	—
Edwards (IL).....	195	124.0	26.88	2.02	2	548.5	32.02	.05	—	—	—	100	*	—
Central Illinois Pub Serv Co	641	142.0	28.31	.92	56	282.7	17.45	.29	—	—	—	97	3	—
Coffeeen (IL).....	185	178.5	36.77	1.00	1	323.8	18.99	.29	—	—	—	100	*	—
Grand Tower (IL).....	46	102.3	22.53	2.98	—	—	—	—	—	—	—	100	—	—
Hutsonville (IL).....	9	107.2	23.58	2.81	—	—	—	—	—	—	—	100	—	—
Meredosia (IL).....	68	127.7	27.29	1.94	54	281.4	17.40	.29	—	—	—	81	19	—
Newton (IL).....	333	130.6	24.75	.34	1	316.7	18.46	.29	—	—	—	100	*	—
Central Iowa Power Coop	26	114.3	26.14	3.01	—	—	—	—	*	417.6	4.24	100	—	*
Fair Station (IA).....	26	114.3	26.14	3.01	—	—	—	—	*	417.6	4.24	100	—	*
Central Louisiana Elec Co Inc	483	140.0	20.73	.62	—	—	—	—	3,933	213.4	2.24	63	—	37
Coughlin (LA).....	—	—	—	—	—	—	—	—	194	227.7	2.38	—	—	100
Dolet Hills (LA).....	327	137.6	18.67	.74	—	—	—	—	19	270.0	2.78	100	—	*
Rodemacher (LA).....	156	144.0	25.05	.38	—	—	—	—	1,428	218.3	2.28	65	—	35
Teche (LA).....	—	—	—	—	—	—	—	—	2,292	208.8	2.20	—	—	100
Central Maine Power Co	—	—	—	—	473	213.9	13.64	.65	—	—	—	—	—	100
Wyman (ME).....	—	—	—	—	473	213.9	13.64	.65	—	—	—	—	—	100
Central Operating Co	250	129.3	31.83	1.51	1	359.1	20.67	.20	—	—	—	100	*	—
Sporn (WV).....	250	129.3	31.83	1.51	1	359.1	20.67	.20	—	—	—	100	*	—
Central Power & Light Co	239	123.9	24.10	.37	—	—	—	—	15,939	193.3	1.99	22	—	78
Bates (TX).....	—	—	—	—	—	—	—	—	955	193.9	2.03	—	—	100
Coletto Creek (TX).....	239	123.9	24.10	.37	—	—	—	—	—	—	—	100	—	—
Davis (TX).....	—	—	—	—	—	—	—	—	4,237	193.8	1.98	—	—	100
Hill (TX).....	—	—	—	—	—	—	—	—	2,585	194.4	1.99	—	—	100
Joslin (TX).....	—	—	—	—	—	—	—	—	846	194.4	2.00	—	—	100
La Palma (TX).....	—	—	—	—	—	—	—	—	1,374	189.9	1.96	—	—	100
Laredo (TX).....	—	—	—	—	—	—	—	—	1,010	193.5	1.95	—	—	100
Nueces Bay (TX).....	—	—	—	—	—	—	—	—	3,250	192.4	1.98	—	—	100
Victoria (TX).....	—	—	—	—	—	—	—	—	1,683	193.9	2.01	—	—	100
Chugach Electric Assn Inc	—	—	—	—	—	—	—	—	923	162.4	1.62	—	—	100
Beluga (AK).....	—	—	—	—	—	—	—	—	923	162.4	1.62	—	—	100
Cincinnati Gas & Electric Co	1,021	108.0	26.01	2.32	12	382.2	22.03	.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, August 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)						
Cincinnati Gas & Electric Co																	
Beckjord (OH)	253	113.9	27.53	1.28	2	377.1	21.99	0.23	—	—	—	100	*	—	—	—	—
East Bend (KY)	175	102.9	24.89	2.63	1	391.1	22.58	.13	—	—	—	100	*	—	—	—	—
Miami Fort (OH)	246	116.8	27.81	1.20	4	382.5	22.01	.13	—	—	—	100	*	—	—	—	—
Zimmer (OH)	347	100.2	24.21	3.71	6	382.7	22.00	.25	—	—	—	100	*	—	—	—	—
Cleveland Electric Illum Co																	
Ashtabula (OH)	37	106.5	27.42	3.01	*	286.3	16.80	.04	—	—	—	100	*	—	—	—	—
Avon Lake (OH)	82	123.1	30.92	.97	—	—	—	—	—	—	—	100	—	—	—	—	—
Eastlake (OH)	199	154.5	40.36	1.95	*	308.7	17.89	.33	—	—	—	100	*	—	—	—	—
Lake Shore (OH)	29	153.5	40.09	.71	2	328.1	19.02	.33	—	—	—	99	1	—	—	—	—
Coffeyville City of																	
Coffeyville (KS)	—	—	—	—	—	—	—	—	—	—	307	203.0	2.03	—	—	—	100
Colorado Springs City of																	
Birdsall (CO)	—	—	—	—	—	—	—	—	—	—	190	346.9	3.42	95	—	5	—
Drake (CO)	89	156.0	32.17	.33	—	—	—	—	—	20	346.9	3.42	99	—	—	1	—
Nixon (CO)	86	92.4	20.06	.48	—	—	—	—	—	—	—	—	100	—	—	—	—
Columbia City of																	
Columbia (MO)	6	207.0	54.69	1.32	—	—	—	—	—	—	—	—	100	—	—	—	—
Columbus & Southern Ohio El Co																	
Conesville (OH)	371	141.1	33.35	2.89	*	297.5	17.49	.20	—	—	—	100	*	—	—	—	—
Picway (OH)	17	102.5	23.76	3.42	*	306.1	18.00	.20	—	—	—	100	*	—	—	—	—
Commonwealth Edison Co																	
Collins (IL)	—	—	—	—	—	—	—	—	—	—	6,153	189.0	1.93	—	—	100	—
Fisk Storage (IL)	—	—	—	—	—	—	—	—	—	—	124	196.0	2.02	—	—	100	—
Joliet (IL)	364	298.8	52.09	.38	—	—	—	—	—	—	—	—	100	—	—	—	—
Powerton (IL)	46	304.0	53.93	.42	—	—	—	—	—	11	374.2	3.74	99	—	—	1	—
Waukegan (IL)	210	256.2	44.60	.39	—	—	—	—	—	—	—	—	100	—	—	—	—
Will County (IL)	626	256.4	45.36	.30	12	260.4	15.21	.23	—	—	—	—	99	1	—	—	—
Connecticut Light & Power Co																	
Devon (CT)	—	—	—	—	853	200.6	12.82	.61	—	—	2,688	227.8	2.34	—	66	34	—
Middletown (CT)	—	—	—	—	148	192.9	12.42	.94	—	—	717	219.3	2.23	—	57	43	—
Montville (CT)	—	—	—	—	324	206.2	13.03	.45	—	—	1,971	230.9	2.38	—	50	50	—
Norwalk Harbor (CT)	—	—	—	—	146	184.4	12.15	.71	—	—	—	—	—	—	100	—	—
Consolidated Edison Co-NY Inc																	
Arthur Kill (NY)	—	—	—	—	474	205.2	12.84	.29	—	—	15,231	209.3	2.16	—	16	84	—
Astoria (NY)	—	—	—	—	85	191.0	12.10	.28	—	—	3,680	209.3	2.16	—	10	90	—
East River (NY)	—	—	—	—	—	—	—	—	—	—	427	209.4	2.16	—	—	100	—
Ravenswood (NY)	—	—	—	—	—	—	—	—	—	—	6,019	209.4	2.16	—	—	100	—
Storage Facility #3	—	—	—	—	75	191.6	12.04	.26	—	—	—	—	—	—	100	—	—
Storage Facility #7	—	—	—	—	313	212.5	13.24	.30	—	—	—	—	—	—	100	—	—
Waterside (NY)	—	—	—	—	—	—	—	—	—	—	523	209.3	2.16	—	—	100	—
Consumers Power Co																	
Campbell (MI)	391	148.2	33.22	.64	3	275.5	15.97	.50	—	—	—	—	100	*	—	—	—
Cobb (MI)	146	119.0	23.08	.60	*	277.4	16.08	.50	—	—	—	—	100	*	—	—	—
Karn-Weadock (MI)	27	147.2	35.98	.81	118	254.6	16.38	.93	—	588	279.0	2.79	33	38	29	—	—
Weadock (MI)	135	119.5	22.62	.48	6	294.0	17.04	.50	—	—	—	—	99	1	—	—	—
Whiting (MI)	20	152.7	36.86	.82	1	281.3	16.31	.50	—	—	—	—	99	1	—	—	—
Coop Power Assn																	
Coal Creek (ND)	630	79.4	10.05	.67	—	—	—	—	—	—	—	—	—	100	—	—	—
Dairyland Power Coop																	
Alma-Madgett (WI)	174	103.8	18.60	.24	2	317.9	18.69	.50	—	—	—	—	—	100	*	—	—
Genoa No.3 (WI)	84	128.6	28.55	.56	2	308.2	18.12	.50	—	—	—	—	—	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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Petroleum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
Dayton Power & Light Co	897	125.5	29.28	0.81	3	304.0	17.53	0.39	42	461.7	4.71	100	*	*
Hutchings (OH)	45	137.0	34.56	.83	—	—	—	—	42	461.7	4.71	96	—	4
Killen (OH)	198	122.3	28.94	.63	—	—	—	—	—	—	—	100	—	—
Stuart (OH)	654	125.6	29.02	.87	3	304.0	17.53	.39	—	—	—	100	*	—
Delmarva Power & Light Co	242	157.4	40.70	.94	485	208.2	13.26	.92	1,666	270.4	2.65	57	28	15
Edgemoor (DE)	71	159.2	40.00	.73	379	217.3	13.82	.65	547	39.3	.34	38	52	10
Hay Road (DE)	—	—	—	—	—	—	—	—	1,119	364.0	3.79	—	—	100
Indian River (DE)	170	156.7	40.99	1.03	6	282.9	16.46	.21	—	—	—	99	1	—
Vienna (MD)	—	—	—	—	99	169.3	10.90	1.99	—	—	—	—	100	—
Denton City of	—	—	—	—	—	—	—	—	781	278.0	2.92	—	—	100
Spencer (TX)	—	—	—	—	—	—	—	—	781	278.0	2.92	—	—	100
Deseret Generation & Tran Coop	212	190.8	39.21	.45	—	—	—	—	—	—	—	100	—	—
Bonanza (UT)	212	190.8	39.21	.45	—	—	—	—	—	—	—	100	—	—
Detroit City of	—	—	—	—	—	—	—	—	213	316.0	3.30	—	—	100
Mistersky (MI)	—	—	—	—	—	—	—	—	213	316.0	3.30	—	—	100
Detroit Edison Co	1,911	137.6	28.23	.67	109	221.3	13.32	.54	4,142	191.7	1.08	93	2	6
Belle River (MI)	479	154.3	29.08	.35	7	335.8	19.40	.22	—	—	—	100	*	—
Greenwood (MI)	—	—	—	—	91	199.4	12.10	.62	1,601	194.0	1.96	—	25	75
Harbor Beach (MI)	27	151.7	40.51	.76	—	—	—	—	—	—	—	100	—	—
Marysville (MI)	6	149.1	39.41	.72	—	—	—	—	20	310.0	3.09	89	—	11
Monroe (MI)	456	120.8	25.87	.75	4	337.8	19.40	.19	—	—	—	100	*	—
River Rouge (MI)	155	125.5	27.86	.66	1	336.7	19.40	.22	2,496	178.4	.47	84	*	16
St Clair (MI)	601	148.1	29.79	.82	7	335.6	19.40	.15	24	304.0	3.08	99	*	*
Trenton Channel (MI)	187	116.6	24.98	.80	*	335.7	19.40	.29	—	—	—	100	*	—
Dover City of	—	—	—	—	53	236.2	14.81	.93	11	271.8	2.80	—	97	3
Mckee Run (DE)	—	—	—	—	53	236.2	14.81	.93	11	271.8	2.80	—	97	3
Duke Power Co	1,488	140.0	34.98	.87	6	271.6	15.83	.30	—	—	—	100	*	—
Allen (NC)	200	135.4	34.84	.78	2	267.7	15.62	.30	—	—	—	100	*	—
Belews Creek (NC)	497	152.9	37.93	.77	—	—	—	—	—	—	—	100	—	—
Buck (NC)	31	140.9	34.17	1.03	—	—	—	—	—	—	—	100	—	—
Cliffside (NC)	125	133.6	33.75	.94	1	275.8	16.12	.30	—	—	—	100	*	—
Dan River (NC)	23	139.2	35.12	1.09	—	—	—	—	—	—	—	100	—	—
Lee (SC)	29	144.8	36.29	1.08	2	275.0	16.02	.30	—	—	—	98	2	—
Marshall (NC)	480	131.0	32.50	.94	1	268.3	15.61	.30	—	—	—	100	*	—
Riverbend (NC)	103	136.3	33.90	.92	—	—	—	—	—	—	—	100	—	—
Duquesne Light Co	162	159.7	40.26	2.11	4	266.4	15.40	.22	15	363.1	3.78	99	1	*
Cheswick (PA)	82	113.7	29.31	2.25	—	—	—	—	15	363.1	3.78	99	—	1
Elrama (PA)	80	209.2	51.49	1.97	4	266.4	15.40	.22	—	—	—	99	1	—
East Kentucky Power Coop	301	112.4	27.64	.88	1	300.9	17.52	.16	—	—	—	100	*	—
Cooper (KY)	63	111.1	26.84	1.29	*	296.7	17.27	.20	—	—	—	100	*	—
Dale (KY)	43	110.9	27.23	.85	*	305.1	17.76	.12	—	—	—	100	*	—
Spurlock (KY)	195	113.2	27.98	.75	—	—	—	—	—	—	—	100	—	—
El Paso Electric Co	—	—	—	—	—	—	—	—	3,537	195.8	2.00	—	—	100
Newman (TX)	—	—	—	—	—	—	—	—	2,468	197.8	2.02	—	—	100
Rio Grande (NM)	—	—	—	—	—	—	—	—	1,068	191.0	1.95	—	—	100
Electric Energy Inc	393	84.3	14.87	.22	*	437.1	25.15	.22	21	273.9	2.88	100	*	*
Joppa (IL)	393	84.3	14.87	.22	*	437.1	25.15	.22	21	273.9	2.88	100	*	*
Empire District Electric Co	59	107.5	20.19	.66	1	318.7	18.67	.20	76	207.0	2.07	93	*	6
Asbury (MO)	29	99.6	18.25	.50	1	318.7	18.67	.20	—	—	—	99	1	—
Riverton (KS)	30	114.7	22.05	.80	—	—	—	—	76	207.0	2.07	88	—	12
Fayetteville Public Works	—	—	—	—	—	—	—	—	420	243.3	2.55	—	—	100
Butler Warner (NC)	—	—	—	—	—	—	—	—	420	243.3	2.55	—	—	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, August 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)
Florida Power & Light Co	—	—	—	—	5,279	206.5	13.06	1.38	17,520	260.1	2.73	—	64	36
Cape Canaveral (FL).....	—	—	—	—	565	191.1	12.10	1.56	541	265.0	2.79	—	86	14
Cutler (FL).....	—	—	—	—	—	—	—	—	702	265.0	2.79	—	—	100
Fort Myers (FL).....	—	—	—	—	555	184.6	11.76	2.10	—	—	—	—	100	—
Lauderdale (FL).....	—	—	—	—	—	—	—	—	4,061	265.0	2.79	—	—	100
Manatee (FL).....	—	—	—	—	1,294	215.2	13.60	1.00	—	—	—	—	100	—
Martin (FL).....	—	—	—	—	349	213.0	13.42	.79	6,627	265.0	2.79	—	24	76
Port Everglades (FL).....	—	—	—	—	867	221.7	14.03	.89	200	265.0	2.79	—	96	4
Putnam (FL).....	—	—	—	—	—	—	—	—	2,448	265.0	2.79	—	—	100
Riviera (FL).....	—	—	—	—	596	183.7	11.71	2.08	265	265.0	2.79	—	93	7
Sanford (FL).....	—	—	—	—	547	206.7	12.85	2.20	1,193	265.0	2.79	—	73	27
Turkey Point (FL).....	—	—	—	—	505	222.6	14.02	.93	1,482	206.7	2.17	—	67	33
Florida Power Corp	480	174.9	44.06	0.80	1,269	183.7	11.95	1.65	159	255.6	2.62	59	40	1
Anclote (FL).....	—	—	—	—	2	301.5	17.55	.47	—	—	—	—	100	—
Bartow (FL).....	—	—	—	—	226	160.5	10.35	2.30	—	—	—	—	100	—
Crystal River (FL).....	295	175.6	44.47	.87	4	323.1	18.38	.43	—	—	—	100	*	—
IMT Transfer (LA).....	185	173.8	43.42	.69	—	—	—	—	—	—	—	100	—	—
Storage Facility #1.....	—	—	—	—	936	183.5	11.98	1.45	—	—	—	—	100	—
Suwannee (FL).....	—	—	—	—	101	231.6	14.91	2.15	159	255.6	2.62	—	80	20
Fort Pierce City of	—	—	—	—	—	—	—	—	163	195.9	2.06	—	—	100
H D King (FL).....	—	—	—	—	—	—	—	—	163	195.9	2.06	—	—	100
Fremont City of	23	88.5	15.09	.29	—	—	—	—	11	199.0	1.99	97	—	3
Wright (NE).....	23	88.5	15.09	.29	—	—	—	—	11	199.0	1.99	97	—	3
Gainesville City of	53	165.5	43.34	.67	8	318.5	19.37	.59	474	249.3	2.62	72	3	26
Deerhaven (FL).....	53	165.5	43.34	.67	8	318.5	19.37	.59	271	249.6	2.62	81	3	17
Jr Kelly (FL).....	—	—	—	—	—	—	—	—	203	248.8	2.62	—	—	100
Garland City of	—	—	—	—	—	—	—	—	1,867	192.6	1.96	—	—	100
Newman (TX).....	—	—	—	—	—	—	—	—	307	200.0	2.04	—	—	100
Olinger (TX).....	—	—	—	—	—	—	—	—	1,561	191.2	1.95	—	—	100
Georgia Power Co	2,742	154.4	36.29	.82	108	315.0	18.33	.50	1,413	281.5	2.89	97	1	2
Arkwright (GA).....	25	157.3	39.40	1.97	—	—	—	—	230	334.7	3.46	72	—	28
Atkinson-McDonough (GA).....	119	137.4	35.90	.96	—	—	—	—	1,183	271.0	2.78	72	—	28
Bowen (GA).....	653	140.2	34.52	.90	8	301.7	17.55	.50	—	—	—	100	*	—
Hammond (GA).....	101	148.1	37.23	.92	*	295.7	17.20	.50	—	—	—	100	*	—
Harlee Branch (GA).....	256	158.7	39.71	1.28	1	296.9	17.27	.50	—	—	—	100	*	—
Mcmanus (GA).....	—	—	—	—	65	328.0	19.08	.50	—	—	—	—	100	—
Mitchell (GA).....	20	172.2	43.95	1.39	21	289.7	16.85	.50	—	—	—	81	19	—
Scherer (GA).....	1,011	169.8	35.61	.46	1	294.5	17.13	.50	—	—	—	100	*	—
Wansley (GA).....	320	146.3	36.19	1.02	12	301.4	17.53	.50	—	—	—	99	1	—
Yates (GA).....	237	153.9	39.31	1.15	—	—	—	—	—	—	—	100	—	—
Glendale City of	—	—	—	—	—	—	—	—	568	271.0	2.76	—	—	100
Glendale (CA).....	—	—	—	—	—	—	—	—	568	271.0	2.76	—	—	100
Grand Haven City of	13	140.9	37.86	2.24	—	—	—	—	1	445.4	4.45	100	—	*
J B Simms (MI).....	13	140.9	37.86	2.24	—	—	—	—	1	445.4	4.45	100	—	*
Grand Island City of	46	66.5	11.62	.42	—	—	—	—	99	215.5	2.16	89	—	11
Burdick (NE).....	—	—	—	—	—	—	—	—	99	215.5	2.16	—	—	100
Platte (NE).....	46	66.5	11.62	.42	—	—	—	—	—	—	—	100	—	—
Grand River Dam Authority	306	84.9	14.54	.46	—	—	—	—	20	223.2	2.25	100	—	*
GRDA No 1 (OK).....	306	84.9	14.54	.46	—	—	—	—	20	223.2	2.25	100	—	*
Greenville City of	—	—	—	—	—	—	—	—	*	189.7	1.95	—	—	100
Power Lane (TX).....	—	—	—	—	—	—	—	—	*	189.7	1.95	—	—	100
Gulf Power Co	317	145.3	35.32	1.46	16	324.2	18.86	.45	557	205.7	2.18	92	1	7

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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu			
	Receipts (1,000 tons)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Pe- tro- leum	Gas	
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf				
Gulf Power Co															
Crist (FL).....	213	148.5	36.29	0.96	—	—	—	—	557	205.7	2.18	90	—	10	
Scholtz (FL).....	16	165.4	43.20	1.45	*	320.1	18.62	0.45	—	—	—	100	*	—	
Smith (FL).....	88	133.4	31.57	2.66	16	324.2	18.86	.45	—	—	—	96	4	—	
Gulf States Utilities Co	154	147.3	25.56	.40	—	—	—	—	22,501	207.0	2.16	10	—	90	
Lewis Creek (TX).....	—	—	—	—	—	—	—	—	2,847	194.4	2.08	—	—	100	
Nelson (LA).....	154	147.3	25.56	.40	—	—	—	—	3,217	197.6	2.06	44	—	56	
Sabine (TX).....	—	—	—	—	—	—	—	—	9,153	213.0	2.21	—	—	100	
Willow Glen (LA).....	—	—	—	—	—	—	—	—	7,283	208.6	2.17	—	—	100	
Hamilton City of	15	138.3	33.00	.73	—	—	—	—	32	280.6	2.88	92	—	8	
Hamilton (OH).....	15	138.3	33.00	.73	—	—	—	—	32	280.6	2.88	92	—	8	
Hastings City of	30	59.6	10.10	.39	—	—	—	—	—	—	—	100	—	—	
Hastings (NE).....	30	59.6	10.10	.39	—	—	—	—	—	—	—	100	—	—	
Hawaiian Electric Co Inc	—	—	—	—	375	236.4	14.90	.41	—	—	—	—	100	—	
Kahe (HI).....	—	—	—	—	90	235.0	14.75	.37	—	—	—	—	100	—	
Storage Facility # 1.....	—	—	—	—	285	236.9	14.95	.42	—	—	—	—	100	—	
Holland City of	27	175.0	45.47	.88	—	—	—	—	*	233.0	2.38	100	—	*	
James De Young (MI).....	27	175.0	45.47	.88	—	—	—	—	*	233.0	2.38	100	—	*	
Holyoke Water Power Co	48	175.9	45.86	1.05	*	302.0	17.48	.27	—	—	—	100	*	—	
Mount Tom (MA).....	48	175.9	45.86	1.05	*	302.0	17.48	.27	—	—	—	100	*	—	
Hoosier Energy R E C Inc	375	123.5	27.21	2.92	2	303.7	17.60	—	—	—	—	100	*	—	
Frank E Ratts (IN).....	64	131.5	29.37	1.37	—	—	—	—	—	—	—	100	—	—	
Merom (IN).....	311	121.8	26.76	3.24	2	303.7	17.60	—	—	—	—	100	*	—	
Houston Lighting & Power Co	1,973	136.0	20.74	.67	—	—	—	—	33,221	197.2	2.03	47	—	53	
Bertron (TX).....	—	—	—	—	—	—	—	—	1,342	199.5	2.09	—	—	100	
Cedar Bayou (TX).....	—	—	—	—	—	—	—	—	9,625	196.6	2.03	—	—	100	
Deepwater (TX).....	—	—	—	—	—	—	—	—	186	199.6	2.05	—	—	100	
Green Bayou (TX).....	—	—	—	—	—	—	—	—	1,203	199.0	2.05	—	—	100	
Limestone (TX).....	891	79.3	10.19	1.01	—	—	—	—	20	197.4	2.01	100	—	*	
Parish (TX).....	1,082	170.9	29.42	.38	—	—	—	—	4,747	199.7	2.06	79	—	21	
Robinson (TX).....	—	—	—	—	—	—	—	—	9,226	194.9	2.02	—	—	100	
Storage Facility # 2.....	—	—	—	—	—	—	—	—	1,956	199.6	2.00	—	—	100	
Webster (TX).....	—	—	—	—	—	—	—	—	1,641	199.6	2.09	—	—	100	
Wharton (TX).....	—	—	—	—	—	—	—	—	3,276	197.2	2.01	—	—	100	
Illinois Power Co	703	112.9	24.54	2.37	84	333.3	20.89	.81	233	2	213.5	2.20	95	3	1
Baldwin (IL).....	450	105.8	22.69	2.86	1	326.4	19.19	.30	—	—	—	100	*	—	
Havana (IL).....	52	140.4	32.41	.53	84	333.3	20.90	.81	—	—	—	69	31	—	
Hennepin (IL).....	78	113.6	24.14	2.78	—	—	—	—	5	2	1,104.7	11.49	100	—	*
Vermilion (IL).....	50	112.0	23.47	1.58	*	353.3	20.77	.30	—	—	—	100	*	—	
Wood River (IL).....	72	134.3	31.58	.73	—	—	—	—	228	193.7	1.99	88	—	12	
Imperial Irrigation District	—	—	—	—	—	—	—	—	961	291.0	2.94	—	—	100	
El Centro (CA).....	—	—	—	—	—	—	—	—	961	291.0	2.94	—	—	100	
Independence City of	19	109.4	23.47	3.54	—	—	—	—	29	237.1	2.38	94	—	6	
Blue Valley (MO).....	19	109.4	23.47	3.54	—	—	—	—	29	237.1	2.38	94	—	6	
Indiana & Michigan Electric Co	947	109.4	20.57	.36	3	358.5	20.88	—	—	—	—	100	*	—	
Rockport (IN).....	822	107.8	19.40	.29	—	—	—	—	—	—	—	100	—	—	
Tanners Creek (IN).....	125	117.0	28.28	.85	3	358.5	20.88	—	—	—	—	100	*	—	
Indiana-Kentucky Electric Corp	375	118.9	24.09	1.01	*	342.7	19.58	.30	—	—	—	100	*	—	
Clifty Creek (IN).....	375	118.9	24.09	1.01	*	342.7	19.58	.30	—	—	—	100	*	—	
Indianapolis Power & Light Co	723	96.2	21.38	2.40	6	302.0	17.40	.04	—	—	—	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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Pet- ro- leum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
Indianapolis Power & Light Co														
Petersburg (IN)	554	92.3	20.54	2.80	—	—	—	—	—	—	—	100	—	—
Pritchard (IN)	63	105.4	23.25	1.05	6	302.0	17.40	0.04	—	—	—	98	2	—
Stout (IN)	106	111.1	24.67	1.10	—	—	—	—	—	—	—	100	—	—
Interstate Power Co														
Dubuque (IA)	35	107.0	23.55	2.79	—	—	—	—	*	365.6	3.66	100	—	*
Fox Lake (MN)	—	—	—	—	—	—	—	—	282	241.7	2.42	—	—	100
Kapp (IA)	79	125.8	25.51	.45	—	—	—	—	*	346.3	3.46	100	—	*
Lansing (IA)	105	107.3	18.65	.59	1	327.1	19.23	.20	—	—	—	100	*	—
IES Utilities														
Burlington (IA)	68	82.8	14.02	.42	—	—	—	—	243 ¹ 2	266.6	2.67	97	—	3
Ottumwa (IA)	230	97.1	16.23	.34	—	—	—	—	—	—	—	100	—	—
Prairie Creek (IA)	36	85.7	14.50	.31	—	—	—	—	52	285.5	2.85	92	—	8
Sutherland (IA)	59	71.4	11.91	.34	—	—	—	—	54	284.8	2.85	95	—	5
6th St (IA)	11	140.0	26.53	.23	—	—	—	—	136	244.8	2.45	61	—	39
Jacksonville Electric Auth														
Kennedy (FL)	—	—	—	—	50	259.6	16.17	.66	3	249.6	2.65	—	99	1
Northside (FL)	—	—	—	—	440	204.8	13.06	1.40	427	249.6	2.65	—	86	14
Southside (FL)	—	—	—	—	51	221.7	14.30	.91	120	249.6	2.65	—	72	28
St Johns River (FL)	349	156.6	38.39	.98	2	304.0	17.75	.35	—	—	—	100	*	—
Jamestown City of														
Samuel A Carlson (NY)	12	130.5	33.31	2.93	—	—	—	—	—	—	—	100	—	—
Jersey Central Power & Light Co														
Sayreville (NJ)	—	—	—	—	—	—	—	—	158	265.0	2.76	—	—	100
Kansas City City of														
Nearman (KS)	53	77.1	12.84	.36	—	8	319.1	18.50	.50	—	—	100	—	—
Quindaro (KS)	43	126.6	26.22	.44	8	319.1	18.50	.50	38	219.3	2.18	91	5	4
Kansas City Power & Light Co														
Hawthorne (MO)	28	62.8	10.96	.28	—	—	—	—	73	213.9	2.14	99	*	1
Iatan (MO)	163	76.8	13.33	.35	2	303.7	17.60	.20	—	—	—	100	*	—
La Cygne (KS)	405	66.0	11.45	.59	7	317.0	18.44	.15	—	—	—	99	1	—
Montrose (MO)	155	89.0	15.47	.34	—	—	—	—	—	—	—	100	—	—
Kansas Gas & Electric Co														
Evans (KS)	—	—	—	—	—	—	—	—	2,676	201.7	2.08	—	—	100
Gill (KS)	—	—	—	—	—	—	—	—	1,422	201.7	2.09	—	—	100
Kansas Power & Light Co														
Hutchinson (KS)	—	—	—	—	—	—	—	—	791	194.0	1.94	95	—	5
Jeffrey Energy Cnt (KS)	802	109.9	18.38	.42	—	—	—	—	777	193.9	1.94	—	—	100
Lawrence (KS)	7	116.9	25.96	.50	—	—	—	—	14	201.9	2.00	100	—	8
Tecumseh (KS)	30	125.1	27.83	.52	—	—	—	—	—	—	—	100	—	—
Kentucky Power Co														
Big Sandy (KY)	240	107.0	26.15	1.26	—	—	—	—	—	—	—	100	—	—
Kentucky Utilities Co														
Brown (KY)	165	111.6	27.19	1.12	—	396.4	23.31	.40	—	—	—	100	*	—
Ghent (KY)	436	111.5	26.81	1.48	*	396.4	23.31	.40	—	—	—	100	*	—
Green River (KY)	69	104.3	24.28	2.40	—	—	—	—	—	—	—	100	—	—
Tyrone (KY)	15	117.7	30.67	.80	—	—	—	—	—	—	—	100	—	—
Lafayette City of														
Bonin (LA)	—	—	—	—	—	—	—	—	917	196.9	2.14	—	—	100
Lake Worth City of														
Tom G Smith (FL)	—	—	—	—	6	406.3	24.21	.74	232	303.0	3.19	—	13	87

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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Petro- leum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
Lakeland City of	38	177.5	45.92	1.18	26	236.9	14.75	2.25	926	282.0	2.98	46	8	46
Larsen Mem (FL).....	—	—	—	—	14	236.7	14.84	2.26	375	282.0	2.98	—	18	82
Plant 3-Mcintosh (FL).....	38	177.5	45.92	1.18	12	237.1	14.66	2.24	551	282.0	2.98	60	5	35
Lansing City of	112	155.6	33.80	.64	1	341.0	19.33	.30	—	—	—	100	*	—
Eckert (MI).....	91	153.8	32.26	.57	1	341.0	19.33	.30	—	—	—	100	*	—
Erickson (MI).....	20	162.5	40.67	.95	*	341.0	19.33	.30	—	—	—	100	*	—
Long Island Lighting Co	—	—	—	—	286	170.0	10.90	.99	8,438	220.0	2.26	—	17	83
Barrett (NY).....	—	—	—	—	—	—	—	—	1,951	216.1	2.27	—	—	100
Far Rockaway (NY).....	—	—	—	—	—	—	—	—	361	222.0	2.33	—	—	100
Glenwood (NY).....	—	—	—	—	—	—	—	—	1,097	222.0	2.33	—	—	100
Northport (NY).....	—	—	—	—	286	170.0	10.90	.99	4,019	214.3	2.17	—	31	69
Port Jefferson (NY).....	—	—	—	—	—	—	—	—	1,010	247.3	2.51	—	—	100
Los Angeles City of	528	130.7	30.01	.52	—	—	—	—	—	—	—	100	—	—
Intermountain (UT).....	528	130.7	30.01	.52	—	—	—	—	—	—	—	100	—	—
Louisiana Power & Light Co	—	—	—	—	—	—	—	—	15,830	216.8	2.27	—	—	100
Little Gypsy (LA).....	—	—	—	—	—	—	—	—	4,487	219.0	2.31	—	—	100
Nine Mile (LA).....	—	—	—	—	—	—	—	—	8,046	216.3	2.26	—	—	100
Sterlington (LA).....	—	—	—	—	—	—	—	—	1,586	197.3	2.05	—	—	100
Waterford (LA).....	—	—	—	—	—	—	—	—	1,712	231.1	2.41	—	—	100
Louisville Gas & Electric Co	628	99.4	22.75	3.26	7	410.2	24.12	.05	44	237.5	2.43	99	*	*
Cane Run (KY).....	136	99.7	22.55	3.38	*	615.7	36.20	.25	30	237.5	2.43	99	*	1
Mill Creek (KY).....	378	103.2	23.61	3.17	5	395.0	23.23	—	14	237.5	2.43	99	*	*
Trimble County (KY).....	114	86.7	20.15	3.45	1	395.6	23.26	.25	—	—	—	100	*	—
Lower Colorado River Authority	500	95.0	16.29	.35	—	—	—	—	3,319	192.4	1.95	72	—	28
Gideon (TX).....	—	—	—	—	—	—	—	—	2,013	191.2	1.95	—	—	100
S Seymour-Fayette (TX).....	500	95.0	16.29	.35	—	—	—	—	—	—	—	100	—	—
T C Ferguson (TX).....	—	—	—	—	—	—	—	—	1,306	194.2	1.97	—	—	100
Lubbock City of	—	—	—	—	—	—	—	—	620	197.6	2.07	—	—	100
Holly Ave (TX).....	—	—	—	—	—	—	—	—	603	191.3	2.01	—	—	100
Plant 2 (TX).....	—	—	—	—	—	—	—	—	17	430.0	4.32	—	—	100
Madison Gas & Electric Co	21	137.8	29.57	1.51	—	—	—	—	259	219.0	2.21	63	—	37
Blount (WI).....	21	137.8	29.57	1.51	—	—	—	—	259	219.0	2.21	63	—	37
Manitowoc Public Utilities	6	166.6	40.47	.74	—	—	—	—	—	—	—	100	—	—
Manitowoc (WI).....	6	166.6	40.47	.74	—	—	—	—	—	—	—	100	—	—
Massachusetts Mun Wholes El Co	—	—	—	—	—	—	—	—	823	221.0	2.27	—	—	100
Stonybrook (MA).....	—	—	—	—	—	—	—	—	823	221.0	2.27	—	—	100
Medina Electric Coop Inc	—	—	—	—	—	—	—	—	55	258.0	2.95	—	—	100
Pearsall (TX).....	—	—	—	—	—	—	—	—	55	258.0	2.95	—	—	100
Metropolitan Edison Co	130	138.6	36.72	1.37	13	297.2	16.98	.30	—	—	—	98	2	—
Portland (PA).....	81	140.1	37.10	1.39	13	297.5	16.99	.30	—	—	—	97	3	—
Titus (PA).....	49	136.2	36.09	1.33	*	288.8	16.50	.30	—	—	—	100	*	—
Michigan South Central Pwr Agy	14	157.9	37.65	3.08	—	—	—	—	—	—	—	100	—	—
Project I (MI).....	14	157.9	37.65	3.08	—	—	—	—	—	—	—	100	—	—
MidAmerican Energy	1,228	77.7	13.22	.37	7	320.7	18.32	—	34	392.9	3.98	100	*	*
Council Bluffs (IA).....	378	72.5	12.15	.40	7	320.7	18.32	—	4	340.1	3.32	99	1	*
George Neal 1-4 (IA).....	529	71.5	12.39	.37	—	—	—	—	7	500.4	5.08	100	—	*
Louisa (IA).....	277	96.7	16.21	.32	—	—	—	—	4	288.9	2.99	100	—	*
Riverside (IA).....	44	80.0	13.65	.24	—	—	—	—	20	385.2	3.91	97	—	3
Minnesota Power & Light Co	344	113.6	20.42	.52	2	321.6	18.51	.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, August 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)				
Minnesota Power & Light Co																	
Boswell Energy Center (MN).....	311	113.3	20.26	0.53	2	323.4	18.61	0.20	—	—	—	100	*	—			
Laskin Energy Center (MN).....	33	116.5	21.83	.40	*	311.2	17.91	.20	—	—	—	100	*	—			
Minnkota Power Coop Inc	395	58.8	8.01	.84	2	313.4	18.43	.40	—	—	—	100	*	—			
Young (ND).....	395	58.8	8.01	.84	2	313.4	18.43	.40	—	—	—	100	*	—			
Mississippi Power & Light Co	—	—	—	—	846	188.3	12.44	2.14	5,313	200.3	2.08	—	50	50			
Brown (MS).....	—	—	—	—	1	350.6	20.73	.50	1,182	201.3	2.09	—	1	99			
Delta (MS).....	—	—	—	—	—	—	—	—	605	191.6	1.97	—	—	100			
Gerald Andrus (MS).....	—	—	—	—	558	189.0	12.48	2.99	—	—	—	—	100	—			
Wilson (MS).....	—	—	—	—	287	186.3	12.32	.50	3,526	201.4	2.09	—	34	66			
Mississippi Power Co	458	143.7	28.93	.65	1	276.6	15.96	.30	2,273	224.5	2.38	79	*	21			
Daniel (MS).....	289	147.2	27.89	.38	1	276.6	15.96	.30	—	—	—	100	*	—			
Eaton (MS).....	—	—	—	—	—	—	—	—	470	226.1	2.39	—	—	100			
Sweatt (MS).....	—	—	—	—	—	—	—	—	616	211.1	2.19	—	—	100			
Watson (MS).....	169	138.7	30.71	1.10	—	—	—	—	1,187	230.5	2.48	75	—	25			
Monongahela Power Co	1,063	108.5	27.08	2.95	2	334.1	19.78	.30	21	384.7	3.85	100	*	*			
Albright (WV).....	58	106.5	26.88	1.49	*	327.1	19.37	.30	—	—	—	100	*	—			
Ft Martin (WV).....	209	122.1	30.96	1.60	1	331.7	19.64	.30	—	—	—	100	*	—			
Harrison (WV).....	414	113.1	28.20	3.53	*	329.8	19.53	.30	8	789.2	7.89	100	*	*			
Pleasants (WV).....	301	91.3	22.30	3.81	—	—	—	—	11	129.8	1.30	100	—	*			
Rivesville (WV).....	25	120.7	29.60	.94	*	364.0	21.56	.30	—	—	—	100	*	—			
Willow Island (WV).....	56	109.9	29.10	1.46	—	—	—	—	2	80.4	.80	100	—	*			
Montana Power Co	851	59.7	10.18	.74	4	419.8	24.86	—	1 2	2,078.6	22.20	100	*	*			
Colstrip (MT).....	789	61.1	10.44	.78	4	419.8	24.86	—	—	—	—	100	*	—			
Corette (MT).....	62	41.2	6.86	.24	—	—	—	—	1 2	2,078.6	22.20	100	—	*			
Montana-Dakota Utilities Co	211	87.3	12.17	.89	—	—	—	—	8	193.3	2.16	100	—	*			
Coyote (ND).....	151	82.0	11.40	1.02	—	—	—	—	—	—	—	100	—	—			
Heskett (ND).....	35	108.9	15.40	.61	—	—	—	—	*	369.5	3.92	100	—	*			
Lewis and Clark (MT).....	25	88.4	12.21	.45	—	—	—	—	8	190.3	2.13	97	—	3			
Montaup Electric Co	15	179.8	45.36	.72	—	—	—	—	—	—	—	100	—	—			
Somerset (MA).....	15	179.8	45.36	.72	—	—	—	—	—	—	—	100	—	—			
Morgan City City of	—	—	—	—	—	—	—	—	140	206.0	2.17	—	—	100			
Morgan City (LA).....	—	—	—	—	—	—	—	—	140	206.0	2.17	—	—	100			
Muscatine City of	55	83.1	13.99	.90	—	—	—	—	1	286.8	2.93	100	—	*			
Muscatine (IA).....	55	83.1	13.99	.90	—	—	—	—	1	286.8	2.93	100	—	*			
Nebraska Public Power District	536	47.6	8.14	.27	*	334.1	19.38	.20	355	269.7	2.70	96	*	4			
Canaday (NE).....	—	—	—	—	—	—	—	—	337	269.0	2.69	—	—	100			
Gerald Gentleman (NE).....	465	45.7	7.80	.28	*	334.1	19.38	.20	17	269.2	2.69	100	*	*			
Sheldon (NE).....	70	60.2	10.42	.23	—	—	—	—	1	468.4	4.68	100	—	*			
Nevada Power Co	173	133.4	31.12	.47	—	—	—	—	4,072	244.5	2.54	49	—	51			
Clark (NV).....	—	—	—	—	—	—	—	—	3,644	244.0	2.54	—	—	100			
Gardner (NV).....	173	133.4	31.12	.47	—	—	—	—	—	—	—	100	—	—			
Sunrise (NV).....	—	—	—	—	—	—	—	—	428	249.0	2.59	—	—	100			
New England Power Co	323	158.0	39.87	.66	343	203.0	12.95	.91	2,377	324.3	3.34	64	17	19			
Brayton (MA).....	269	159.0	39.89	.64	343	203.0	12.95	.91	127	221.1	2.28	74	24	1			
Manchester St (RI).....	—	—	—	—	—	—	—	—	2,250	330.1	3.40	—	—	100			
Salem Harbor (MA).....	54	153.1	39.74	.76	—	—	—	—	—	—	—	100	—	—			
New Orleans Public Service Inc	—	—	—	—	66	219.2	14.36	1.50	3,619	203.8	2.13	—	10	90			
Michoud (LA).....	—	—	—	—	66	219.2	14.36	1.50	3,619	203.8	2.13	—	10	90			
New York State Elec & Gas Corp	286	135.2	35.20	2.41	3	418.5	24.08	.14	—	—	—	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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Petroleum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
New York State Elec & Gas Corp														
Goudey (NY).....	26	141.3	37.61	2.14	*	389.9	22.43	0.14	—	—	—	100	*	—
Greenidge (NY).....	29	142.6	37.70	1.31	1	368.5	21.20	.14	—	—	—	100	*	—
Hickling (NY).....	22	125.1	27.45	.67	—	—	—	—	—	—	—	100	—	—
Jennison (NY).....	9	158.9	40.75	1.53	—	—	—	—	—	—	—	100	—	—
Kintigh (NY).....	124	132.2	34.97	3.03	3	429.5	24.71	.14	—	—	—	100	*	—
Milliken (NY).....	75	134.9	35.40	2.53	—	—	—	—	—	—	—	100	—	—
Niagara Mohawk Power Corp.....	309	135.9	35.69	1.81	770	229.0	14.49	1.12	1,312	212.2	2.16	57	34	9
Albany (NY).....	—	—	—	—	305	182.5	11.67	1.34	1,037	212.4	2.16	—	65	35
Dunkirk (NY).....	138	128.8	34.04	1.99	1	303.4	16.73	.35	—	—	—	100	*	—
Huntley (NY).....	170	141.7	37.03	1.67	*	302.7	16.77	.31	—	—	—	100	*	—
Oswego (NY).....	—	—	—	—	464	259.8	16.34	.98	275	211.3	2.17	—	91	9
Northern Indiana Pub Serv Co.....														
Bailey (IN).....	122	126.7	27.67	2.65	—	—	—	—	994	250.1	2.57	94	—	6
Michigan City (IN).....	132	146.3	28.51	.57	—	—	—	—	1	341.1	3.51	100	—	*
Mitchell (IN).....	72	160.8	31.30	.50	—	—	—	—	441	224.9	2.31	85	—	15
Rollin Schahfer (IN).....	506	120.9	24.12	1.15	—	—	—	—	511	269.9	2.77	73	—	27
Rollin Schahfer (IN).....	506	120.9	24.12	1.15	—	—	—	—	41	271.7	2.79	100	—	*
Northern States Power Co.....														
Bay Front (WI).....	8	163.0	39.69	1.14	—	—	—	—	258	240.7	2.44	99	—	1
Black Dog (MN).....	48	95.3	17.00	.19	—	—	—	—	90	251.3	2.54	69	—	31
High Bridge (MN).....	104	84.2	15.01	.19	—	—	—	—	106	232.0	2.36	89	—	11
King (MN).....	209	104.2	18.50	.33	—	—	—	—	56	242.0	2.46	97	—	3
Riverside (MN).....	122	83.8	14.96	.19	—	—	—	—	5	220.9	2.25	100	—	*
Sherburne County (MN).....	618	111.9	19.60	.54	—	—	—	—	2	239.0	2.43	100	—	*
—	618	111.9	19.60	.54	—	—	—	—	—	—	—	100	—	—
Ohio Edison Co.....														
Burger (OH).....	52	92.5	23.89	2.96	*	127.8	7.42	.26	*	260.9	2.69	100	*	—
Edgewater (OH).....	—	—	—	—	—	—	—	—	*	260.9	2.69	—	—	100
Niles (OH).....	40	106.2	25.48	3.20	—	—	—	—	—	—	—	100	—	—
Sammis (OH).....	451	114.4	28.25	1.22	1	433.8	25.12	.26	—	—	—	100	*	—
Ohio Power Co.....														
Gavin (OH).....	404	256.5	57.16	3.56	—	—	—	—	—	—	—	100	—	—
Kammer (WV).....	149	86.4	20.96	3.71	*	342.6	20.09	.20	—	—	—	100	*	—
Mitchell (WV).....	227	144.2	35.75	.81	—	—	—	—	—	—	—	100	—	—
Muskingum (OH).....	278	225.3	53.06	2.96	12	306.3	17.87	—	—	—	—	99	1	—
Ohio Valley Electric Corp.....														
Kyger Creek (OH).....	248	117.2	30.85	1.59	1	341.0	19.33	.30	—	—	—	100	*	—
—	248	117.2	30.85	1.59	1	341.0	19.33	.30	—	—	—	100	*	—
Oklahoma Gas & Electric Co.....														
Horseshoe Lake (OK).....	—	—	—	—	—	—	—	—	11,234	190.2	1.97	57	—	43
Muskogee (OK).....	516	83.9	14.28	.28	—	—	—	—	3,206	190.2	1.97	—	—	100
Mustang (OK).....	—	—	—	—	—	—	—	—	603	190.2	1.97	93	—	7
Seminole (OK).....	—	—	—	—	—	—	—	—	1,587	190.2	1.97	—	—	100
Sooner (OK).....	372	78.9	13.68	.36	—	—	—	—	5,838	190.2	1.97	—	—	100
Sooner (OK).....	372	78.9	13.68	.36	—	—	—	—	—	—	—	100	—	—
Omaha Public Power District.....														
Nebraska City (NE).....	166	68.8	11.83	.22	2	300.7	17.37	—	103	222.0	2.16	98	*	2
North Omaha (NE).....	177	71.9	12.13	.31	—	—	—	—	103	222.0	2.16	97	—	3
Orange & Rockland Utils Inc.....														
Bowline (NY).....	68	189.1	48.70	.61	225	205.1	12.86	.33	4,633	226.9	2.37	22	18	60
—	68	189.1	48.70	.61	225	205.1	12.86	.33	3,340	231.7	2.42	—	29	71
Lovett (NY).....	68	189.1	48.70	.61	—	—	—	—	1,293	214.4	2.24	57	—	43
Orlando Utilities Comm.....														
Indian River (FL).....	—	—	—	—	204	210.5	13.57	.91	1,008	237.8	2.50	66	19	15
Stanton Energy (FL).....	183	173.7	44.35	1.04	4	272.9	17.48	1.00	—	—	—	99	1	—
Orrville City of.....														
Orrville (OH).....	18	98.2	22.97	3.77	—	—	—	—	—	—	—	100	—	—
—	18	98.2	22.97	3.77	—	—	—	—	—	—	—	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, August 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	Pet- ro- leum	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			
Otter Tail Power Co.	215	96.8	17.14	0.58	*	314.3	18.48	0.31	—	—	—	100	*	—
Big Stone (SD).....	175	90.4	15.82	.64	—	—	—	—	—	—	—	100	—	—
Hoot Lake (MN).....	40	122.9	22.90	.34	*	314.3	18.48	.31	—	—	—	100	*	—
Owensboro City of	110	95.4	20.59	3.20	1	276.4	16.25	.20	—	—	—	100	*	—
Smith (KY).....	110	95.4	20.59	3.20	1	276.4	16.25	.20	—	—	—	100	*	—
Pacific Gas & Electric Co.	—	—	—	—	—	—	—	—	12,408	244.3	2.51	—	—	100
Contra Costa (CA).....	—	—	—	—	—	—	—	—	2,685	244.3	2.51	—	—	100
Humboldt Bay (CA).....	—	—	—	—	—	—	—	—	353	244.3	2.52	—	—	100
Hunters Point (CA).....	—	—	—	—	—	—	—	—	1,537	244.3	2.47	—	—	100
Pittsburg (CA).....	—	—	—	—	—	—	—	—	6,794	244.3	2.53	—	—	100
Potrero (CA).....	—	—	—	—	—	—	—	—	1,039	244.3	2.47	—	—	100
PacifiCorp	2,738	97.8	18.30	.56	6	402.7	23.68	.30	1,081	² 199.6	2.08	98	*	2
Carbon (UT).....	52	60.6	14.63	.43	—	—	—	—	—	—	—	100	—	—
Centralia (WA).....	662	136.3	22.14	.60	—	—	—	—	—	—	—	100	—	—
Emery-Hunter (UT).....	280	93.8	20.59	.44	5	394.9	23.22	.30	—	—	—	100	*	—
Gadsby (UT).....	—	—	—	—	—	—	—	—	1,081	195.9	2.04	—	—	100
Huntington (UT).....	276	66.2	15.69	.43	—	—	—	—	—	—	—	100	—	—
Jim Bridger (WY).....	681	103.3	19.54	.56	1	441.8	25.98	.30	—	—	—	100	*	—
Johnston (WY).....	340	49.8	7.82	.46	—	—	—	—	—	—	—	100	—	—
Naughton (WY).....	261	122.5	24.73	.84	—	—	—	—	1 2	6,472.1	67.70	100	—	*
Wyodak (WY).....	186	71.9	11.66	.66	—	—	—	—	—	—	—	100	—	—
Painesville City of	9	132.0	32.70	1.97	—	—	—	—	*	491.7	4.92	100	—	*
Painesville (OH).....	9	132.0	32.70	1.97	—	—	—	—	*	491.7	4.92	100	—	*
Pasadena City of	—	—	—	—	—	—	—	—	378	268.9	2.74	—	—	100
Broadway (CA).....	—	—	—	—	—	—	—	—	378	268.9	2.74	—	—	100
Pennsylvania Electric Co	1,422	119.1	28.86	2.06	17	280.2	16.33	.05	—	—	—	100	*	—
Conemaugh (PA).....	383	105.0	26.56	2.37	—	—	—	—	—	—	—	100	—	—
Homer City (PA).....	478	119.1	27.18	2.23	1	285.7	16.66	.05	—	—	—	100	*	—
Keystone (PA).....	346	138.5	34.45	1.70	—	—	—	—	—	—	—	100	—	—
Seward (PA).....	52	110.0	26.54	1.62	1	286.3	16.69	.05	—	—	—	100	*	—
Shawville (PA).....	144	113.9	27.92	1.70	1	294.5	17.17	.05	—	—	—	100	*	—
Warren (PA).....	18	120.5	29.28	1.75	14	277.9	16.20	.05	—	—	—	85	15	—
Pennsylvania Power & Light Co	901	141.3	34.70	1.59	1,586	204.8	12.91	.91	—	—	—	69	31	—
Brunner Island (PA).....	345	149.9	39.19	1.63	15	292.9	17.05	.17	—	—	—	99	1	—
Holtwood (PA).....	25	128.4	20.89	.68	—	—	—	—	—	—	—	100	—	—
Martins Creek (PA).....	52	137.5	36.50	1.87	—	—	—	—	—	—	—	100	—	—
Montour (PA).....	358	139.3	35.31	1.81	13	268.7	15.59	.09	—	—	—	99	1	—
Storage Facility #1.....	—	—	—	—	1,556	203.4	12.84	.92	—	—	—	—	100	—
Sunbury (PA).....	121	119.8	22.15	.88	2	273.8	15.97	.13	—	—	—	99	1	—
Pennsylvania Power Co.	569	158.7	38.45	3.55	*	377.4	21.71	.27	—	—	—	100	*	—
Bruce Mansfield (PA).....	499	165.0	39.93	3.81	—	—	—	—	—	—	—	100	—	—
New Castle (PA).....	70	113.7	27.84	1.67	*	377.4	21.71	.27	—	—	—	100	*	—
Philadelphia Electric Co	138	144.7	38.13	1.59	687	237.0	15.10	.46	48	199.2	2.07	45	54	1
Cromby (PA).....	42	144.1	37.89	1.79	87	251.6	16.05	.65	4	199.2	2.07	66	33	*
Delaware (PA).....	—	—	—	—	65	241.6	15.52	.36	—	—	—	—	100	—
Eddystone (PA).....	96	145.0	38.23	1.50	517	235.5	14.98	.44	44	199.2	2.07	43	56	1
Schuylkill (PA).....	—	—	—	—	18	194.5	12.29	.32	—	—	—	—	100	—
Plains Elec Gen&Trans Coop Inc	76	136.1	25.48	.84	—	—	—	—	8	347.7	2.89	100	—	*
Escalante (NM).....	76	136.1	25.48	.84	—	—	—	—	8	347.7	2.89	100	—	*
Platte River Power Authority	70	59.9	10.63	.23	—	—	—	—	—	—	—	100	—	—
Rawhide (CO).....	70	59.9	10.63	.23	—	—	—	—	—	—	—	100	—	—
Portland General Electric Co.	211	108.2	18.92	.33	—	—	—	—	3,570	154.1	1.56	51	—	49

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, August 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	Pe- tro- leum	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				
Portland General Electric Co																	
Beaver (OR).....	—	—	—	—	—	—	—	—	—	—	2,441	168.8	1.71	—	—	100	
Boardman (OR).....	211	108.2	18.92	0.33	—	—	—	—	—	—	—	—	—	100	—	—	
Coyote Springs (OR).....	—	—	—	—	—	—	—	—	—	—	1,130	122.1	1.23	—	—	100	
Potomac Edison Co	23	133.5	32.80	.90	*	274.8	16.27	0.30	—	—	—	—	—	100	*	—	
Smith (MD).....	23	133.5	32.80	.90	*	274.8	16.27	.30	—	—	—	—	—	100	*	—	
Potomac Electric Power Co	633	149.0	38.94	1.31	577	188.6	11.78	.87	231	227.7	2.37	81	18	1			
Benning (DC).....	—	—	—	—	120	237.7	14.19	.99	—	—	—	—	100	—	—	—	
Chalk (MD).....	140	169.4	44.68	1.44	452	175.8	11.11	.84	231	227.7	2.37	54	42	4			
Dickerson (MD).....	115	129.5	33.99	1.35	1	226.7	13.11	.20	—	—	—	100	*	—	—	—	
Morgantown (MD).....	270	144.1	37.77	1.46	1	232.5	13.49	.30	—	—	—	100	*	—	—	—	
Potomac River (VA).....	108	155.5	39.71	.74	3	256.8	15.01	.20	—	—	—	99	1	—	—	—	
Power Authority of State of NY	—	—	—	—	*	241.6	15.11	.29	2,154	330.8	3.43	—	*	100			
Poletti (NY).....	—	—	—	—	*	241.6	15.11	.29	1,367	239.9	2.52	—	*	100	—	—	
Richard Flynn (NY).....	—	—	—	—	—	—	—	—	787	494.7	5.01	—	—	100	—	—	
Public Service Co of Colorado	874	90.2	17.37	.39	—	—	—	—	399	331.8	3.29	98	—	2			
Araphoe (CO).....	58	82.6	14.25	.30	—	—	—	—	100	297.0	2.96	91	—	9			
Cameo (CO).....	27	98.0	21.17	.56	—	—	—	—	1	164.0	1.63	100	—	*	—	—	
Cherokee (CO).....	190	93.8	20.84	.46	—	—	—	—	24	283.0	2.80	99	—	1			
Comanche (CO).....	265	80.4	13.70	.30	—	—	—	—	9	239.0	2.37	100	—	*	—	—	
Hayden (CO).....	163	96.9	20.19	.41	—	—	—	—	—	—	—	100	—	—	—	—	
Pawnee (CO).....	132	86.4	14.48	.40	—	—	—	—	8	175.0	1.78	100	—	*	—	—	
Valmont (CO).....	39	111.1	25.43	.52	—	—	—	—	2	300.0	2.96	100	—	*	—	—	
Zuni (CO).....	—	—	—	—	—	—	—	—	255	359.0	3.56	—	—	100	—	—	
Public Service Co of NH	171	160.6	41.87	1.23	152	157.4	9.84	1.90	—	—	—	82	18	—			
Merrimack (NH).....	116	166.2	43.92	1.49	*	320.0	18.52	.27	—	—	—	100	*	—	—	—	
Newington Station (NH).....	—	—	—	—	151	157.3	9.83	1.90	—	—	—	—	—	100	—	—	
Schiller (NH).....	55	148.2	37.53	.66	—	—	—	—	—	—	—	100	—	—	—	—	
Public Service Co of NM	659	158.1	28.94	.84	2	382.4	21.84	.30	187	301.5	3.12	98	*	2			
Reeves (NM).....	—	—	—	—	—	—	—	—	187	301.5	3.12	—	—	100	—	—	
San Juan (NM).....	659	158.1	28.94	.84	2	382.4	21.84	.30	—	—	—	100	*	—	—	—	
Public Service Co of Oklahoma	380	110.0	19.23	.20	—	—	—	—	11,265	213.3	2.18	37	—	63			
Comanche (CS) (OK).....	—	—	—	—	—	—	—	—	1,412	210.4	2.16	—	—	100	—	—	
Northeastern (OK).....	380	110.0	19.23	.20	—	—	—	—	2,632	213.6	2.18	71	—	29			
Riverside (OK).....	—	—	—	—	—	—	—	—	4,306	203.1	2.07	—	—	100	—	—	
Southwestern (OK).....	—	—	—	—	—	—	—	—	1,704	228.3	2.34	—	—	100	—	—	
Tulsa (OK).....	—	—	—	—	—	—	—	—	1,211	231.0	2.36	—	—	100	—	—	
Public Service Electric&Gas Co	110	148.4	39.61	.76	44	389.7	23.17	.11	3,228	234.2	2.45	45	4	51			
Bergen (NJ).....	—	—	—	—	—	—	—	—	1,534	234.2	2.46	—	—	100	—	—	
Burlington (NJ).....	—	—	—	—	24	517.4	29.27	.01	414	234.2	2.46	—	24	76			
Hudson (NJ).....	57	145.1	37.14	.83	—	—	—	—	121	234.2	2.45	92	—	8			
Linden (NJ).....	—	—	—	—	20	248.6	15.66	.24	—	—	—	—	100	—	—	—	
Mercer (NJ).....	54	151.7	42.23	.68	—	—	—	—	486	234.2	2.46	75	—	25			
Sewaren (NJ).....	—	—	—	—	—	—	—	—	672	234.2	2.42	—	—	100	—	—	
PSI Energy Inc	1,470	109.8	24.49	1.85	30	316.6	18.22	.30	—	—	—	99	1	—			
Cayuga (IN).....	237	121.3	26.48	1.53	3	340.8	19.61	.30	—	—	—	100	*	—	—	—	
Edwardsport (IN).....	28	88.0	19.74	2.41	—	—	—	—	—	—	—	100	—	—	—	—	
Gallagher (IN).....	122	104.9	27.81	2.07	3	307.8	17.71	.30	—	—	—	99	1	—	—	—	
Gibson Station (IN).....	809	108.9	24.00	1.91	2	280.8	16.16	.30	—	—	—	100	*	—	—	—	
Noblesville (IN).....	21	117.6	26.64	2.93	—	—	—	—	—	—	—	100	—	—	—	—	
Wabash River (IN).....	252	106.6	22.94	1.71	21	318.5	18.33	.30	—	—	—	98	2	—	—	—	
Richmond City of	27	130.8	30.39	2.31	—	—	—	—	—	—	—	100	—	—			
Whitewater (IN).....	27	130.8	30.39	2.31	—	—	—	—	—	—	—	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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Pe- tro- leum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
Rochester City of	25	154.5	34.63	1.14	—	—	—	—	29	239.4	2.44	95	—	5
Silver Lake (MN)	25	154.5	34.63	1.14	—	—	—	—	29	239.4	2.44	95	—	5
Rochester Gas & Electric Corp	74	144.2	38.43	2.19	—	—	—	—	—	—	—	100	—	—
Russell Station 7 (NY)	74	144.2	38.43	2.19	—	—	—	—	—	—	—	100	—	—
Ruston City of	—	—	—	—	—	—	—	—	202	197.8	2.05	—	—	100
Steam Plant (LA)	—	—	—	—	—	—	—	—	202	197.8	2.05	—	—	100
S Mississippi Elec Pwr Assn	92	198.0	48.94	.85	8	276.9	16.46	0.33	1,109	201.8	2.09	66	1	33
Moselle (MS)	—	—	—	—	—	—	—	—	1,109	201.8	2.09	—	—	100
R D Morrow (MS)	92	198.0	48.94	.85	8	276.9	16.46	.33	—	—	—	98	2	—
Sacramento Municipal Utility	—	—	—	—	—	—	—	—	1,806	209.3	2.09	—	—	100
Central Valley (CA)	—	—	—	—	—	—	—	—	378	209.3	2.09	—	—	100
SCA Cogen Proj (CA)	—	—	—	—	—	—	—	—	643	209.3	2.09	—	—	100
SPA Cogen Proj (CA)	—	—	—	—	—	—	—	—	785	209.3	2.09	—	—	100
Salt River Proj Ag I & P Dist	850	119.3	25.76	.53	2	421.3	24.28	.50	2,956	217.7	2.20	86	*	14
Agua Fria (AZ)	—	—	—	—	—	—	—	—	1,654	218.0	2.20	—	—	100
Coronado (AZ)	134	178.0	35.05	.46	2	421.3	24.28	.50	—	—	—	100	*	—
Kyrene (AZ)	—	—	—	—	—	—	—	—	244	225.2	2.29	—	—	100
Navajo (AZ)	715	109.4	24.01	.54	—	—	—	—	—	—	—	100	—	—
Santan (AZ)	—	—	—	—	—	—	—	—	1,058	215.6	2.19	—	—	100
San Antonio City of	650	100.5	17.14	.34	—	—	—	—	7,293	202.6	2.06	60	—	40
Braunig (TX)	—	—	—	—	—	—	—	—	3,052	202.1	2.05	—	—	100
JT Deely/Spruce (TX)	650	100.5	17.14	.34	—	—	—	—	1	202.9	2.07	100	—	*
Leon Creek (TX)	—	—	—	—	—	—	—	—	142	202.9	2.05	—	—	100
Mission Rd (TX)	—	—	—	—	—	—	—	—	95	202.9	2.07	—	—	100
Sommers (TX)	—	—	—	—	—	—	—	—	3,381	202.9	2.07	—	—	100
Tuttle (TX)	—	—	—	—	—	—	—	—	621	202.9	2.06	—	—	100
San Diego Gas & Electric Co	—	—	—	—	—	—	—	—	8,389	270.4	2.72	—	—	100
Encina (CA)	—	—	—	—	—	—	—	—	4,896	269.1	2.72	—	—	100
South Bay (CA)	—	—	—	—	—	—	—	—	3,493	272.3	2.72	—	—	100
San Miguel Electric Coop Inc	222	93.3	9.56	1.76	—	—	—	—	—	—	—	100	—	—
San Miquel (TX)	222	93.3	9.56	1.76	—	—	—	—	—	—	—	100	—	—
Savannah Electric & Power Co	84	138.8	33.50	.79	*	342.5	19.85	.50	918	266.2	2.73	68	*	32
Kraft (GA)	53	138.1	35.42	.71	—	—	—	—	486	271.5	2.78	73	—	27
McIntosh (GA)	31	140.1	30.28	.93	*	342.5	19.85	.50	—	—	—	100	*	—
Riverside (GA)	—	—	—	—	—	—	—	—	432	260.3	2.67	—	—	100
Seminole Electric Coop Inc	349	176.1	42.65	2.82	2	303.3	17.64	.31	—	—	—	100	*	—
Seminole (FL)	349	176.1	42.65	2.82	2	303.3	17.64	.31	—	—	—	100	*	—
Sierra Pacific Power Co	174	136.1	30.99	.30	—	—	—	—	2,882	218.5	2.25	57	—	43
Fort Churchill (NV)	—	—	—	—	—	—	—	—	1,222	218.5	2.26	—	—	100
North Valmy (NV)	174	136.1	30.99	.30	—	—	—	—	—	—	—	100	—	—
Pinon Pine (NV)	—	—	—	—	—	—	—	—	483	218.5	2.25	—	—	100
Tracy (NV)	—	—	—	—	—	—	—	—	1,178	218.5	2.25	—	—	100
Sikeston City of	88	100.3	17.48	.37	—	—	—	—	—	—	—	100	—	—
Sikeston (MO)	88	100.3	17.48	.37	—	—	—	—	—	—	—	100	—	—
South Carolina Electric & Gas Co	514	153.6	38.86	1.26	3	316.7	18.36	.20	79	344.6	3.53	99	*	1
Canadys (SC)	53	154.4	40.08	1.42	—	—	—	—	63	342.2	3.50	96	—	4
Cope (SC)	119	151.5	36.38	1.37	—	—	—	—	—	—	—	100	—	—
Mcmeeekin (SC)	61	151.6	40.13	1.64	—	—	—	—	—	—	—	100	—	—
Urguhart (SC)	64	152.7	39.82	1.30	—	—	—	—	16	352.8	3.61	99	—	1
Waterree (SC)	121	149.5	37.53	1.23	2	325.6	18.87	.20	—	—	—	100	*	—
Williams (SC)	96	162.8	41.50	.80	1	294.0	17.04	.20	*	582.0	5.96	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, August 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	Pe-tro-leum	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
South Carolina Pub Serv Auth.....	543	137.0	35.65	1.27	—	—	—	—	—	—	—	100	—	—
Cross (SC)	257	134.7	34.83	1.08	—	—	—	—	—	—	—	100	—	—
Grainger (SC)	55	151.3	40.39	1.62	—	—	—	—	—	—	—	100	—	—
Jefferies (SC)	51	130.1	34.86	1.68	—	—	—	—	—	—	—	100	—	—
Winyah (SC)	180	137.6	35.61	1.30	—	—	—	—	—	—	—	100	—	—
Southern California Edison Co.....	419	130.8	28.75	.47	—	—	—	—	*	337.9	3.51	100	—	*
Mohave (NV)	419	130.8	28.75	.47	—	—	—	—	*	337.9	3.51	100	—	*
Southern Illinois Power Coop.....	77	79.2	15.82	2.69	1	305.2	17.39	—	—	—	—	100	*	—
Marion (IL)	77	79.2	15.82	2.69	1	305.2	17.39	—	—	—	—	100	*	—
Southern Indiana Gas & Elec Co.....	289	94.3	21.47	3.84	—	—	—	—	24	299.8	3.09	100	—	*
A B Brown (IN)	125	94.7	21.78	3.83	—	—	—	—	20	297.8	3.06	99	—	1
Culley (IN)	121	93.0	21.24	4.35	—	—	—	—	3	302.4	3.11	100	—	*
Warrick (IN)	43	96.6	21.23	2.43	—	—	—	—	*	405.2	4.17	100	—	*
Southwestern Electric Power Co.....	1,165	148.5	23.26	.80	—	—	—	—	6,281	193.2	2.00	74	—	26
Arsenal Hill (LA)	—	—	—	—	—	—	—	—	143	182.3	1.96	—	—	100
Flint Creek (AR)	225	157.9	26.73	.33	—	—	—	—	—	—	—	100	—	—
Knox Lee (TX)	—	—	—	—	—	—	—	—	1,799	190.0	2.01	—	—	100
Lieberman (LA)	—	—	—	—	—	—	—	—	799	186.1	1.90	—	—	100
Lone Star (TX)	—	—	—	—	—	—	—	—	246	201.7	2.06	—	—	100
Pirkey (TX)	384	101.4	13.59	1.59	—	—	—	—	6	176.7	1.86	100	—	*
Welsh Station (TX)	556	170.7	28.52	.44	—	—	—	—	—	—	—	100	—	—
Wilkes (TX)	—	—	—	—	—	—	—	—	3,287	196.6	2.02	—	—	100
Southwestern Public Service Co.....	803	171.6	30.47	.36	—	—	—	—	10,880	201.1	2.05	56	—	44
Cunningham (NM)	—	—	—	—	—	—	—	—	2,699	194.9	1.96	—	—	100
Harrington (TX)	393	128.0	23.39	.35	—	—	—	—	23	247.0	2.47	100	—	*
Jones (TX)	—	—	—	—	—	—	—	—	2,852	203.1	2.17	—	—	100
Maddox (NM)	—	—	—	—	—	—	—	—	933	200.2	2.01	—	—	100
Moore (TX)	—	—	—	—	—	—	—	—	269	206.9	1.95	—	—	100
Nichols (TX)	—	—	—	—	—	—	—	—	2,207	203.8	2.05	—	—	100
Plant X (TX)	—	—	—	—	—	—	—	—	1,886	202.2	2.02	—	—	100
Tolk (TX)	410	215.9	37.26	.36	—	—	—	—	12	247.0	2.49	100	—	*
Springfield City of.....	184	113.2	20.84	.47	—	—	—	—	692	174.2	1.77	83	—	17
James River (MO)	94	122.0	23.49	.52	—	—	—	—	573	171.2	1.74	76	—	24
Southwest (MO)	90	103.2	18.07	.41	—	—	—	—	118	188.8	1.91	93	—	7
Springfield City of.....	108	118.4	24.64	3.16	—	—	—	—	—	—	—	100	—	—
Dallman (IL)	93	118.4	24.64	3.16	—	—	—	—	—	—	—	100	—	—
Lakeside (IL)	14	118.4	24.64	3.16	—	—	—	—	—	—	—	100	—	—
St Joseph Light & Power Co.....	45	101.1	20.08	1.43	—	—	—	—	202	225.7	2.24	82	—	18
Lakeroad (MO)	45	101.1	20.08	1.43	—	—	—	—	202	225.7	2.24	82	—	18
Sunflower Electric Coop Inc.....	142	107.0	18.21	.29	—	—	—	—	6	204.0	1.95	100	—	*
Holcomb (KS)	142	107.0	18.21	.29	—	—	—	—	6	204.0	1.95	100	—	*
Tallahassee City of.....	—	—	—	—	—	—	—	—	2,080	267.0	2.80	—	—	100
Hopkins (FL)	—	—	—	—	—	—	—	—	1,548	267.0	2.80	—	—	100
Purdom (FL)	—	—	—	—	—	—	—	—	531	267.0	2.80	—	—	100
Tampa Electric Co.....	703	169.0	38.41	1.60	108	227.9	14.03	*	—	—	—	96	4	—
Big Bend (FL)	—	—	—	—	6	300.3	17.41	—	—	—	—	—	100	—
Davant Transfer (LA)	574	148.1	32.73	1.67	—	—	—	—	—	—	—	100	—	—
Gannon (FL)	130	248.7	63.56	1.31	7	296.5	17.19	—	—	—	—	99	1	—
Hookers Point (FL)	—	—	—	—	78	198.3	12.49	*	—	—	—	—	100	—
Polk Station (FL)	—	—	—	—	18	318.0	18.43	—	—	—	—	—	100	—
Taunton City of.....	—	—	—	—	14	215.1	13.71	1.00	100	229.0	2.36	—	46	54
Cleary (MA)	—	—	—	—	14	215.1	13.71	1.00	100	229.0	2.36	—	46	54

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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Petroleum	Gas
		(\$ per 10 ⁶ Btu)	(\$ per short ton)			(\$ per 10 ⁶ Btu)	(\$ per bbl)			(\$ per Mcf)	(\$ per Mcf)			
Tennessee Valley Authority	3,892	111.2	25.58	2.08	58	282.6	16.60	0.50	—	—	—	100	*	—
Allen (TN)	—	—	—	—	8	300.6	17.66	.50	—	—	—	—	100	—
Bull Run (TN)	181	111.3	28.62	1.26	8	280.9	16.50	.50	—	—	—	99	1	—
Cahokia (AL)	65	134.2	30.10	.48	—	—	—	—	—	—	—	100	—	—
Colbert (AL)	77	108.7	25.91	2.11	15	268.8	15.79	.50	—	—	—	96	4	—
Cora Transfer (TN)	274	109.8	23.51	.48	—	—	—	—	—	—	—	100	—	—
Cumberland (TN)	690	109.7	26.10	2.93	3	311.0	18.27	.50	—	—	—	100	*	—
Gallatin (TN)	18	123.1	31.07	2.89	8	260.4	15.30	.50	—	—	—	91	9	—
GRT Terminal (TN)	677	100.5	21.08	1.13	—	—	—	—	—	—	—	100	—	—
Johnsonville (TN)	104	103.1	25.59	1.64	10	292.1	17.17	.50	—	—	—	98	2	—
Kingston (TN)	377	121.0	30.29	1.47	1	298.9	17.56	.50	—	—	—	100	*	—
Paradise (KY)	676	98.7	21.18	4.07	1	302.3	17.77	.50	—	—	—	100	*	—
Sevier (TN)	186	130.1	32.85	1.79	*	300.2	17.64	.50	—	—	—	100	*	—
Shawnee (KY)	244	127.8	29.98	.53	3	294.0	17.28	.50	—	—	—	100	*	—
Widows Creek (AL)	323	120.9	28.81	2.36	1	282.0	16.57	.50	—	—	—	100	*	—
Terrabonne Parrish Con.	—	—	—	—	—	—	—	—	243	193.6	2.06	—	—	100
Houma (LA)	—	—	—	—	—	—	—	—	243	193.6	2.06	—	—	100
Texas Municipal Power Agency	260	118.5	20.13	.30	—	—	—	—	19	225.0	2.26	100	—	*
Gibbons Creek (TX)	260	118.5	20.13	.30	—	—	—	—	19	225.0	2.26	100	—	*
Texas Utilities Electric Co	3,265	83.4	11.07	.87	16	471.4	27.32	—	54,009	214.2	2.20	44	*	56
Big Brown (TX)	527	91.7	12.22	.70	—	—	—	—	63	214.2	2.23	99	—	1
Collin (TX)	—	—	—	—	—	—	—	—	681	214.2	2.15	—	—	100
Decordova (TX)	—	—	—	—	—	—	—	—	4,075	214.2	2.19	—	—	100
Eagle Mountain (TX)	—	—	—	—	—	—	—	—	2,079	214.2	2.17	—	—	100
Graham (TX)	—	—	—	—	—	—	—	—	2,937	214.2	2.19	—	—	100
Handley (TX)	—	—	—	—	—	—	—	—	5,338	214.2	2.19	—	—	100
Lake Creek (TX)	—	—	—	—	—	—	—	—	1,506	214.2	2.21	—	—	100
Lake Hubbard (TX)	—	—	—	—	9	529.0	30.66	—	4,187	214.2	2.21	—	1	99
Martin Lake (TX)	1,254	64.5	8.74	1.20	3	459.0	26.60	—	—	—	—	100	*	—
Monticello (TX)	1,149	96.9	12.41	.47	3	292.0	16.92	—	—	—	—	100	*	—
Morgan Creek (TX)	—	—	—	—	—	—	—	—	4,178	214.2	2.19	—	—	100
Mountain Creek (TX)	—	—	—	—	—	—	—	—	4,667	214.2	2.20	—	—	100
North Lake (TX)	—	—	—	—	—	—	—	—	3,237	214.2	2.20	—	—	100
North Main (TX)	—	—	—	—	—	—	—	—	332	214.2	2.18	—	—	100
Parkdale (TX)	—	—	—	—	—	—	—	—	1,567	214.2	2.15	—	—	100
Permian Basin (TX)	—	—	—	—	—	—	—	—	3,379	214.2	2.22	—	—	100
River Crest (TX)	—	—	—	—	—	—	—	—	454	214.2	2.27	—	—	100
Sadow No 4 (TX)	335	96.6	13.42	1.30	—	—	—	—	—	—	—	100	—	—
Stryker (TX)	—	—	—	—	1	529.0	30.66	—	3,346	214.2	2.23	—	*	100
Tradinghouse (TX)	—	—	—	—	—	—	—	—	6,559	214.2	2.21	—	—	100
Trinidad (TX)	—	—	—	—	—	—	—	—	1,014	214.2	2.18	—	—	100
Valley (TX)	—	—	—	—	—	—	—	—	4,406	214.2	2.18	—	—	100
Texas-New Mexico Power Co.	148	143.7	19.66	.90	—	—	—	—	12	225.9	2.31	99	—	1
TNP One (Tx)	148	143.7	19.66	.90	—	—	—	—	12	225.9	2.31	99	—	1
Toledo Edison Co.	129	141.0	32.01	.59	1	298.0	17.28	.39	—	—	—	100	*	—
Bay Shore (OH)	129	141.0	32.01	.59	1	298.0	17.28	.39	—	—	—	100	*	—
Tri State Gen & Trans Assn, Inc	334	108.9	21.91	.47	—	—	—	—	10	194.2	2.07	100	—	*
Craig (CO)	307	109.4	21.91	.43	—	—	—	—	10	194.2	2.07	100	—	*
Nucla (CO)	27	103.3	21.93	.89	—	—	—	—	—	—	—	100	—	—
Tucson Electric Power Co	353	142.6	27.41	.80	—	—	—	—	869	262.0	2.65	89	—	11
Irvington (AZ)	52	165.5	36.84	.49	—	—	—	—	869	262.0	2.65	57	—	43
Springerville (AZ)	302	137.9	25.80	.85	—	—	—	—	—	—	—	100	—	—
Union Electric Co	1,479	92.6	16.64	.47	5	240.4	13.83	.29	421	203.7	2.09	98	*	2
Labadie (MO)	678	90.3	15.84	.27	3	221.4	12.74	.29	—	—	—	100	*	—
Meramec (MO)	135	108.9	22.05	.64	—	—	—	—	131	219.5	2.25	95	—	5
Rush Island (MO)	431	83.6	14.26	.32	2	268.8	15.47	.29	—	—	—	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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Pe- tro- leum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
Union Electric Co														
Sioux (MO).....	235	103.0	20.21	1.24	—	—	—	—	—	—	—	100	—	—
Venice No.2 (IL).....	—	—	—	—	—	—	—	—	289	196.5	2.02	—	—	100
United Illuminating Co	—	—	—	—	313	231.9	14.67	0.99	—	—	—	—	100	—
Bridgeport Harbor (CT).....	—	—	—	—	90	232.8	14.69	.99	—	—	—	—	100	—
New Haven Hbr (CT).....	—	—	—	—	223	231.5	14.67	.99	—	—	—	—	100	—
United Power Assn	79	74.5	10.04	.83	—	—	—	—	—	—	—	100	—	—
Stanton (ND).....	79	74.5	10.04	.83	—	—	—	—	—	—	—	100	—	—
UtiliCorp United Inc	130	86.9	16.28	.38	—	—	—	—	—	—	—	100	—	—
Sibley (MO).....	130	86.9	16.28	.38	—	—	—	—	—	—	—	100	—	—
Vero Beach City of	—	—	—	—	4	323.3	.82	.60	237	213.0	2.24	—	*	100
Vero Beach (FL).....	—	—	—	—	4	323.3	.82	.60	237	213.0	2.24	—	*	100
Vineland City of	6	192.2	49.47	.78	17	219.3	13.46	.60	—	—	—	58	42	—
H M Down (NJ).....	6	192.2	49.47	.78	17	219.3	13.46	.60	—	—	—	58	42	—
Virginia Electric & Power Co	1,189	128.6	31.98	1.27	1,311	202.7	12.79	1.17	2,150	244.9	2.60	74	21	6
Bremo Bluff (VA).....	57	140.8	33.79	1.03	1	356.3	20.95	.20	—	—	—	100	*	—
Chesapeake Energy (VA).....	108	143.4	36.75	.83	—	—	—	—	—	—	—	100	—	—
Chesterfield (VA).....	183	140.0	35.65	1.13	—	—	—	—	1,960	245.8	2.61	69	—	31
Clover (VA).....	262	127.9	32.20	1.16	—	—	—	—	—	—	—	100	—	—
Mount Storm (WV).....	424	112.9	27.62	1.61	3	337.7	19.86	.20	—	—	—	100	*	—
Possum Point (VA).....	83	141.2	34.31	.73	277	215.3	13.74	.70	—	—	—	53	47	—
Storage Facility #1.....	—	—	—	—	1,029	198.6	12.49	1.30	—	—	—	—	100	—
Yorktown (VA).....	72	145.5	36.30	1.53	2	356.2	20.94	.20	190	235.2	2.47	90	1	10
West Penn Power Co	502	135.0	34.56	2.34	1	350.3	20.75	.30	7	399.1	3.99	100	*	*
Armstrong (PA).....	78	109.0	27.43	1.90	*	313.6	18.57	.30	—	—	—	100	*	—
Hatfield (PA).....	352	141.1	36.60	2.18	*	322.4	19.09	.30	—	—	—	100	*	—
Mitchell (PA).....	73	132.1	32.33	3.60	*	408.1	24.17	.30	7	399.1	3.99	100	*	*
West Texas Utilities Co	215	111.1	18.87	.41	—	—	—	—	4,178	200.1	2.04	46	—	54
Fort Phantom (TX).....	—	—	—	—	—	—	—	—	1,409	207.7	2.11	—	—	100
Oak Creek (TX).....	—	—	—	—	—	—	—	—	395	181.2	1.85	—	—	100
Oklahoma (TX).....	215	111.1	18.87	.41	—	—	—	—	—	—	—	100	—	—
Paint Creek (TX).....	—	—	—	—	—	—	—	—	793	213.4	2.29	—	—	100
Rio Pecos (TX).....	—	—	—	—	—	—	—	—	757	182.3	1.82	—	—	100
San Angelo (TX).....	—	—	—	—	—	—	—	—	825	198.7	1.99	—	—	100
Western Farmers Elec Coop Inc	114	101.7	17.74	.36	—	—	—	—	2,943	194.1	1.99	40	—	60
Anadarko (OK).....	—	—	—	—	—	—	—	—	1,479	194.1	1.99	—	—	100
Hugo (OK).....	114	101.7	17.74	.36	—	—	—	—	—	—	—	100	—	—
Mooreland (OK).....	—	—	—	—	—	—	—	—	1,464	194.1	1.99	—	—	100
Western Massachusetts Elec Co	—	—	—	—	21	308.6	19.41	.27	348	262.4	2.69	—	27	73
West Springfield (MA).....	—	—	—	—	21	308.6	19.41	.27	348	262.4	2.69	—	27	73
WestPlains Energy	—	—	—	—	—	—	—	—	1,472	187.8	1.84	—	—	100
Cimarron River (KS).....	—	—	—	—	—	—	—	—	352	204.1	2.01	—	—	100
Large (KS).....	—	—	—	—	—	—	—	—	682	184.2	1.77	—	—	100
Mullergren (KS).....	—	—	—	—	—	—	—	—	438	180.3	1.81	—	—	100
Wisconsin Electric Power Co	962	101.9	19.56	.53	1	362.4	21.19	.25	115	272.2	2.77	99	*	1
Oak Creek (WI).....	193	120.5	25.17	.67	—	—	—	—	86	271.7	2.76	98	—	2
Pleasant Prairie (WI).....	450	72.3	12.20	.34	—	—	—	—	22	269.3	2.74	100	—	*
Port Washington (WI).....	38	139.2	36.72	1.35	—	—	—	—	1	351.2	3.55	100	—	*
Presque Isle (MI).....	214	108.1	20.62	.32	1	362.4	21.19	.25	—	—	—	100	*	—
Valley (WI).....	68	150.8	39.54	1.65	—	—	—	—	5	277.7	2.82	100	—	*
Wisconsin Power & Light Co	681	109.8	19.08	.40	1	334.5	19.67	.20	79	289.9	2.94	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, August 1998 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Petroleum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
Wisconsin Power & Light Co														
Blackhawk (WI)	—	—	—	—	—	—	—	—	79	289.9	2.94	—	—	100
Columbia (WI).....	367	96.6	16.46	0.42	—	—	—	—	—	—	—	100	—	—
Edgewater (WI).....	237	123.3	21.31	.36	1	300.9	17.69	0.20	—	—	—	100	*	—
Nelson Dewey (WI)	46	119.7	22.37	.31	—	—	—	—	—	—	—	100	—	—
Rock River (WI).....	31	139.8	28.07	.53	*	485.7	28.56	.20	—	—	—	100	*	—
Wisconsin Public Service Corp.....	295	100.3	17.83	.22	—	—	—	—	41	249.0	2.52	99	—	1
Pulliam (WI).....	139	94.5	16.92	.19	—	—	—	—	39	249.0	2.52	98	—	2
Weston (WI).....	156	105.6	18.64	.25	—	—	—	—	2	249.0	2.52	100	—	*
Wyandotte Municipal Serv Comm.....	*	126.9	22.47	.32	—	—	—	—	—	—	—	100	—	—
Wyandotte (MI).....	*	126.9	22.47	.32	—	—	—	—	—	—	—	100	—	—
U.S. Total	82,140	125.8	25.72	1.06	20,095	207.2	13.12	1.10	390,241	² 219.3	2.25	76	6	18

¹ The August 1998 petroleum coke receipts were 355,822 short tons and the cost was 61.6 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 $1/2$ (see (Knaub, 5)), although more research (Knaub, 9) could refine this. For the Form EIA-826, $\gamma = 1/2$ 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 kilowatthour of electricity sold is calculated by dividing total annual retail revenue (nominal dollars) by the total annual retail sales of electricity.

Average revenue per kilowatthour 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 kilowatthour 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 kilowatthour 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 kilowatthour 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 watt-hour 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, August 1998

Census Division and State	Coal ¹ (Btu per ton)	Petroleum ¹ (Btu per barrel)	Gas ¹ (Btu per thousand cubic feet)
New England	25,561,838	6,359,599	1,028,555
Connecticut.....	—	6,374,236	1,028,668
Maine.....	—	6,373,995	—
Massachusetts.....	25,336,252	6,352,768	1,026,778
New Hampshire.....	26,070,524	6,249,585	—
Rhode Island.....	—	—	1,030,000
Vermont.....	—	—	1,013,000
Middle Atlantic	24,994,176	6,314,866	1,031,875
New Jersey.....	26,185,474	5,996,857	1,046,047
New York.....	26,126,534	6,322,517	1,030,419
Pennsylvania.....	24,679,153	6,314,793	1,036,644
East North Central	21,147,491	6,136,115	879,439
Illinois.....	19,365,704	6,191,149	1,020,804
Indiana.....	21,129,142	5,760,977	1,028,023
Michigan.....	20,732,446	6,210,990	^a 635,320
Ohio.....	23,998,234	5,796,093	1,024,424
Wisconsin.....	18,462,336	5,880,000	1,012,845
West North Central	16,769,979	5,780,468	1,008,197
Iowa.....	17,313,576	5,728,319	1,001,561
Kansas.....	17,214,052	5,805,183	1,009,393
Minnesota.....	17,820,772	5,770,415	1,007,200
Missouri.....	17,977,433	5,771,890	1,011,095
Nebraska.....	17,091,008	5,777,096	995,455
North Dakota.....	13,231,568	5,880,000	1,061,000
South Dakota.....	17,500,000	—	—
South Atlantic	24,606,977	6,330,081	1,046,371
Delaware.....	25,849,330	6,338,936	981,939
District of Columbia.....	—	5,969,151	—
Florida.....	24,204,396	6,351,424	1,051,398
Georgia.....	23,521,400	5,816,966	1,025,593
Maryland.....	25,980,107	6,350,991	1,050,201
North Carolina.....	24,885,454	5,798,915	1,049,000
South Carolina.....	25,655,340	5,806,185	1,024,000
Virginia.....	25,125,185	6,308,250	1,061,747
West Virginia.....	24,649,757	5,849,960	1,000,000
East South Central	22,976,623	6,544,489	1,042,892
Alabama.....	22,877,610	5,876,549	1,052,861
Kentucky.....	23,203,465	5,868,935	1,025,000
Mississippi.....	20,895,628	6,600,884	1,042,753
Tennessee.....	23,261,048	5,875,800	—
West South Central	15,679,353	6,323,755	1,031,140
Arkansas.....	17,245,774	5,909,150	1,013,819
Louisiana.....	16,293,317	6,520,670	1,046,272
Oklahoma.....	17,243,762	—	1,028,615
Texas.....	15,065,343	5,796,000	1,028,365
Mountain	19,533,388	5,820,052	1,020,760
Arizona.....	20,574,260	5,796,351	1,012,122
Colorado.....	19,609,100	—	991,852
Idaho.....	—	—	—
Montana.....	16,958,780	5,922,000	1,113,279
Nevada.....	22,464,656	—	1,036,068
New Mexico.....	18,129,956	5,712,000	1,010,379
Utah.....	22,571,216	5,880,000	1,042,000
Wyoming.....	17,682,546	5,808,003	1,046,000
Pacific Contiguous	16,544,898	—	1,015,665
California.....	—	—	1,016,159
Oregon.....	17,476,682	—	1,011,000
Washington.....	16,247,910	—	—
Pacific Noncontiguous	—	6,302,873	1,000,000
Alaska.....	—	—	1,000,000
Hawaii.....	—	6,302,873	—
U.S. Average	20,442,543	6,333,341	1,024,848

¹ Data represents weighted values.

^a Consists mostly of blast furnace gas which has a heat content of 76,000 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.

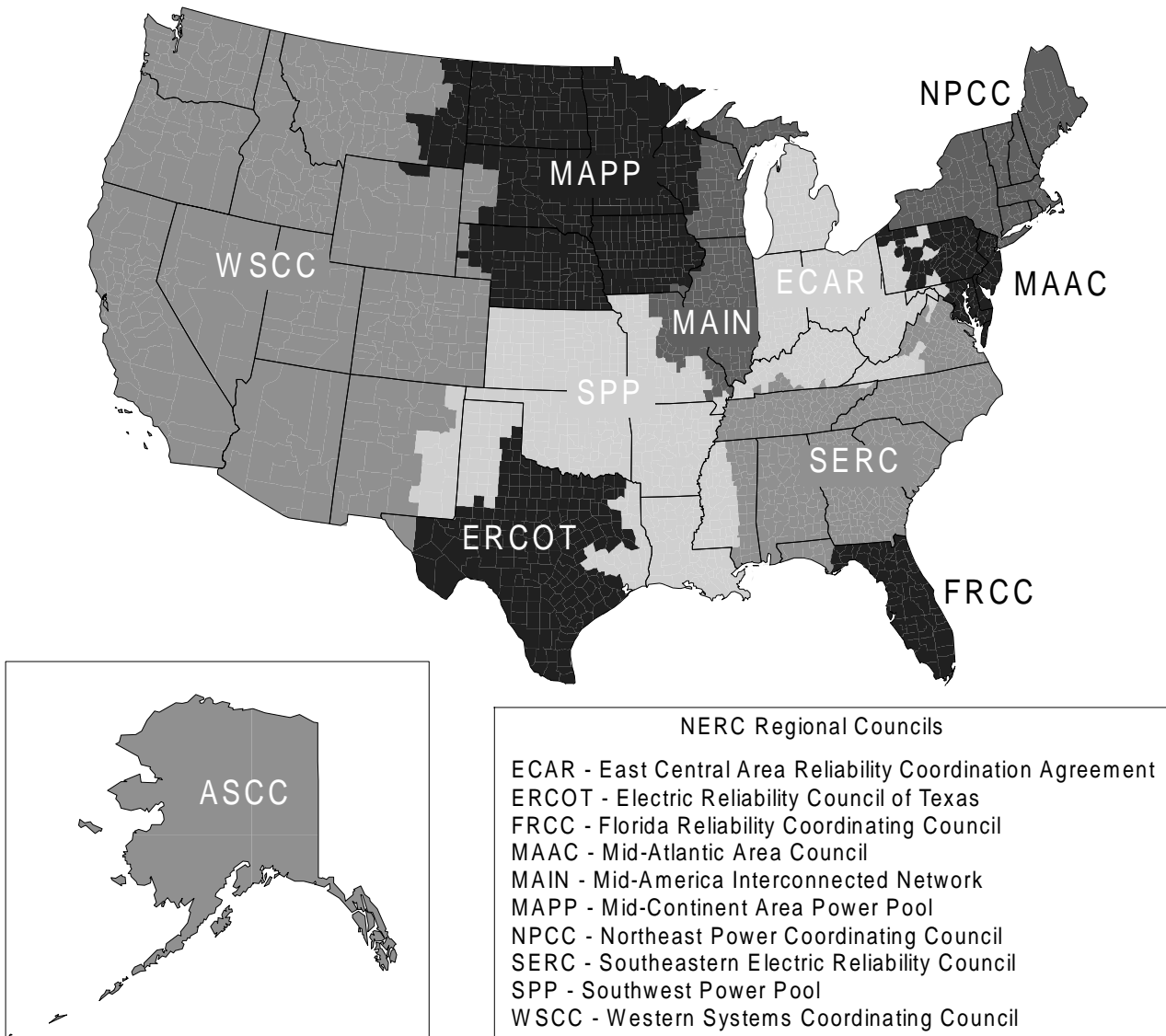
* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

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,
September 1998
(Percent)**

State	Coal	Petroleum	Gas	Hydroelectric	Nuclear	Other ¹
Alabama.....	0.0	0.0	0.0	0.0	0.0	—
Alaska.....	.0	17.7	.1	16.9	—	—
Arizona.....	.0	.0	.0	.0	.0	—
Arkansas.....	.0	.1	.2	.0	.0	—
California.....	—	.0	.0	.1	.0	0.0
Colorado.....	.1	8.7	.4	.1	—	.0
Connecticut.....	.0	.3	.0	3.5	.0	.0
Delaware.....	.0	.1	.0	—	—	—
District of Columbia.....	—	.0	—	—	—	—
Florida.....	.0	.0	.0	.0	.0	—
Georgia.....	.0	.0	.3	.4	.0	—
Hawaii.....	—	.0	—	.0	—	—
Idaho.....	—	.0	—	.6	—	—
Illinois.....	.0	.6	.2	.0	.0	.0
Indiana.....	.1	.1	5.0	.0	—	—
Iowa.....	.0	3.0	1.6	.3	.0	.0
Kansas.....	.0	6.2	1.4	—	.0	—
Kentucky.....	.0	.0	.0	.8	—	—
Louisiana.....	.0	.0	.0	—	.0	—
Maine.....	—	.1	—	.9	.0	.0
Maryland.....	.0	.0	.0	.0	.0	—
Massachusetts.....	.0	.0	.6	.0	.0	—
Michigan.....	.0	.5	.5	6.8	.0	—
Minnesota.....	.0	.3	.9	9.1	.0	.0
Mississippi.....	.0	.0	.0	—	.0	—
Missouri.....	.0	1.2	1.4	.1	.0	.0
Montana.....	.0	.0	.0	.0	—	—
Nebraska.....	.0	3.3	2.2	.0	.0	.0
Nevada.....	.0	.0	.0	.0	—	—
New Hampshire.....	.0	.0	.0	.0	.0	—
New Jersey.....	.0	.0	.0	.0	.0	—
New Mexico.....	.2	.0	.0	.0	—	—
New York.....	.0	.1	.1	.0	.0	.0
North Carolina.....	.0	.0	.0	.1	.0	—
North Dakota.....	.0	.0	.0	.0	—	—
Ohio.....	.0	.1	.1	.0	.0	—
Oklahoma.....	.0	.5	.1	.0	—	—
Oregon.....	.0	.0	.0	.0	—	.0
Pennsylvania.....	.0	.0	.0	6.2	.0	—
Rhode Island.....	.0	.0	.0	—	—	—
South Carolina.....	.0	.0	.0	2.0	.0	—
South Dakota.....	.0	.0	.0	.0	—	—
Tennessee.....	.0	.0	.0	.0	.0	—
Texas.....	.0	.1	.0	1.3	.0	.0
Utah.....	.0	2.3	10.7	2.4	—	.0
Vermont.....	—	8.8	.0	13.6	.0	.0
Virginia.....	.0	.0	.0	.2	.0	.0
Washington.....	.0	.0	.0	.0	.0	.0
West Virginia.....	.0	.0	.0	.0	—	—
Wisconsin.....	.1	.4	.5	3.0	.0	.0
Wyoming.....	.0	.0	.0	.2	—	—

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, September 1998
(Percent)

State	Consumption			Stocks	
	Coal	Petroleum	Gas	Coal	Petroleum
Alabama	0.0	0.0	0.0	0.0	0.0
Alaska .....	.0	10.7	.2	.0	20.1
Arizona .....	.0	.0	.0	.0	.0
Arkansas .....	.0	.0	.6	.0	.0
California	—	.0	.0	—	.0
Colorado .....	.1	.7	.5	.1	.2
Connecticut .....	.0	.3	.0	.0	.2
Delaware .....	.0	.1	.0	.0	.0
District of Columbia	—	.0	—	—	.0
Florida .....	.0	.0	.0	.0	.0
Georgia .....	.0	.0	.3	.0	.0
Hawaii	—	.0	—	—	.0
Idaho	—	.0	—	—	.0
Illinois .....	.0	.7	.2	.0	.2
Indiana .....	.1	.1	5.5	.3	.1
Iowa .....	.0	2.7	1.7	.0	3.0
Kansas .....	.0	3.0	1.4	.0	.5
Kentucky .....	.0	.0	.0	.0	.0
Louisiana .....	.0	.0	.0	.0	.0
Maine	—	.0	—	—	.1
Maryland .....	.0	.0	.0	.0	.0
Massachusetts .....	.0	.0	.6	.0	.2
Michigan .....	.0	.3	.4	.0	.1
Minnesota .....	.0	1.5	1.1	.0	.9
Mississippi .....	.0	.0	.0	.0	.0
Missouri .....	.0	.9	1.2	.0	.3
Montana .....	.0	.0	.0	.0	.0
Nebraska .....	.0	3.6	2.2	.0	4.4
Nevada .....	.0	.0	.0	.0	.0
New Hampshire .....	.0	.0	.0	.0	.0
New Jersey .....	.0	.0	.0	.0	.0
New Mexico .....	.2	.0	.0	.4	.0
New York .....	.0	.1	.1	.0	.1
North Carolina .....	.0	.0	.0	.0	.0
North Dakota .....	.0	.0	.0	.0	.0
Ohio .....	.0	.2	.1	.0	.0
Oklahoma .....	.0	.5	.1	.0	.4
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	4.4	9.6	.0	1.1
Vermont	—	12.8	.0	—	4.8
Virginia .....	.0	.0	.0	.0	.0
Washington .....	.0	.0	.0	.0	.0
West Virginia .....	.0	.0	.0	.0	.0
Wisconsin .....	.0	.4	.5	.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 Kilowatt-hour: The average revenue per kilowatt-hour 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	
	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 watt-hours (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.

Watt-hour (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.