

Electric Power Monthly

March 1998

With Data for December 1997

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

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Contacts

The *Electric Power Monthly* is prepared by the U.S. Department of Energy's Energy Information Administration. Questions and comments concerning the contents of the *Electric Power Monthly* may be directed to:

Ms. Sandra Smith, Project Leader
Energy Information Administration, EI-53.1
U.S. Department of Energy
Washington, DC, 20585

Telephone number: (202)426-1173
Internet E-Mail number: SANDRA.SMITH@EIA.DOE.GOV

or the following subject specialists:

Subject	Contact	Phone Number	Internet E-Mail
Electricity Supply and Demand Forecast	Rebecca McNerney	202-426-1251	REBECCA.MCNERNEY@EIA.DOE.GOV
Industry Developments	Kenneth McClevey	202-426-1144	KENNETH.MCCLEVEY@EIA.DOE.GOV
New Electric Generating Units	Elsie Bess	202-426-1142	ELSIE.BESS@EIA.DOE.GOV
U.S. Electric Utility Net Generation	Melvin E. Johnson	202-426-1172	MELVIN.JOHNSON@EIA.DOE.GOV
U.S. Electric Utility Consumption of Fuels	Melvin E. Johnson	202-426-1172	MELVIN.JOHNSON@EIA.DOE.GOV
U.S. Electric Utility Stocks of Fuels	Melvin E. Johnson	202-426-1172	MELVIN.JOHNSON@EIA.DOE.GOV
U.S. Electric Utility Fossil-Fuel Receipts . .	Kenneth McClevey	202-426-1144	KENNETH.MCCLEVEY@EIA.DOE.GOV
U.S. Electric Utility Fossil-Fuel Costs	Kenneth McClevey	202-426-1144	KENNETH.MCCLEVEY@EIA.DOE.GOV
U.S. Retail Sales of Electricity, Associated Revenue and Average Revenue per Kilowatthour	Deborah Bolden	202-426-1235	DEBORAH.BOLDEN@EIA.DOE.GOV
U.S. Nonutility Sales for Resale	Deborah Bolden	202-426-1235	DEBORAH.BOLDEN@EIA.DOE.GOV
U.S. Nonutility Net Generation	Betty Williams	202-426-1269	BETTY.WILLIAMS@EIA.DOE.GOV
Sampling and Estimation Methodologies	James Knaub, Jr.	202-426-1145	JAMES.KNAUB@EIA.DOE.GOV

Requests for additional information on other energy statistics available from the Energy Information Administration or questions concerning subscriptions and report distribution may be directed to the National Energy Information Center at 202-586-8800 (TTY: for people who are deaf or hard of hearing, 202-586-1181).

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

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Form EIA-412: Annual Report of Public Electric Utilities		X				X
Form EIA-759: Monthly Power Plant Report		X		X		X
Form EIA-767: Steam-Electric Operation and Design Report		X				X
Form EIA-826: Monthly Electric Utility Sales and Revenue Report with State Distributions		X		X		X
Form EIA-860: Annual Electric Generator Report		X		X		X
Form EIA-861: Annual Electric Utility Report		X		X		X
FERC Form 1: Annual Report of Major Electric Utilities, Licensees, and Others		X				X
FERC Form 423: Monthly Report of Cost and Quality of Fuels for Electric Plants		X				X
Publications:						
Electric Power Monthly	X		X	X	X	
Data tables for Form EIA-759, Form EIA-826, Form EIA-860 (new units only), and FERC Form 423	X		X			
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Electric Power Annual Volume II	X		X	X	X	
Inventory of Power Plants in the United States	X			X		
Electric Sales and Revenue	X		X	X	X	
Financial Statistics of Major U.S. Investor Owned Electric Utilities	X			X	X	
Financial Statistics of Major U.S. Publicly Owned Electric Utilities	X			X	X	

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Preface

The Electric Power Monthly (EPM) presents monthly electricity statistics for a wide audience including Congress, Federal and State agencies, the electric utility industry, and the general public. The purpose of this publication is to provide energy decisionmakers with accurate and timely information that may be used in forming various perspectives on electric issues that lie ahead. The EIA collected the information in this report to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93-275) as amended.

Background

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

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

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

Data Sources

The EPM contains information from seven data sources: Form EIA-759, "Monthly Power Plant Report"; Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions"; Form EIA-900, "Monthly Nonutility Sales for Resale Report"; Form EIA-861, "Annual Electric Utility Report"; Form EIA-860, "Annual Electric Generator Report;" and Form EIA-867, "Annual Nonutility Power Producer Report." Copies of these forms and their instructions may be obtained from the National Energy Information Center. A detailed description of these forms is in Appendix B, "Technical Notes."



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Monthly Update

Nonutility Sales for Resale—December 1997

Total estimated sales of electricity for resale by nonutility power producers in the United States were 20 billion kilowatthours for December 1997. This reflected a level of sales for resale that was 4 percent higher than the level in December 1996, and 12 percent higher than the prior month of November 1997.

Utility Generation and Retail Sales—December 1997

Generation. Total U.S. net generation of electricity was 268 billion kilowatthours, 10 billion kilowatthours (4 percent) more than the amount reported in December 1996. The energy source with the largest kilowatthour increase in generation compared with December of last year was coal (higher by 8 billion kilowatthours). Electricity generated from petroleum and gas was also above the amount reported during the same period last year, higher by 25 and 52 percent, respectively.

Sales. Total sales of electricity to ultimate consumers in the United States during December were 262 billion kilowatthours, 4 billion kilowatthours (2 percent) higher than compared with a year ago at this time. Retail sales of electricity in the residential and commercial end-use sectors during the month were higher compared with December 1996. Retail sales of electricity during December 1997 showed the largest kilowatthour increase in the commercial sector, 3 billion kilowatthours (4 percent), followed by the residential sector, which was 2 billion kilowatthours (2 percent) higher, and the industrial sector, which decreased slightly, compared with the same period in 1996.

Utility Fuel Receipts, Costs, and Quality—November 1997

Coal. November 1997 receipts of coal at electric utilities totaled 73 million short tons, up 1 million short tons from November 1996. Problems with the delivery of coal to power plants in the western half of the Nation continued during the month. Several electric utilities that are located in the West North Central,

West South Central, and the Mountain Census divisions and served by the Union Pacific Railroad continue to have problems receiving all of their contracted coal deliveries. This has resulted in a coal supply shortage at some electric plants. The effect of the rail problem is most visible in the unusually large decrease in stocks of coal in the above mentioned Census divisions and shown in Table 24 of this report. End-of-month stocks of bituminous coal (includes subbituminous and bituminous coal) fell to 92 million short tons, the lowest level for the month of November since 1974. While much of the decrease can be attributed to an ongoing effort by electric utilities to reduce coal inventory in order to cut costs, transportation bottlenecks contributed to the low stock levels.

For the first eleven months of 1997, receipts of coal totaled 802 million short tons, up from 790 million short tons received during the same period in 1996. Higher receipts were due to a 3 percent year-to-date increase in coal-fired generation and to lower levels of stocks on-hand at electric utilities at the start of 1997 as compared to 1996. Contributing to an increase in the use of coal was a 7 percent decrease in nuclear-powered generation caused by outages at several nuclear plants; and higher demand for electricity.

Petroleum. Receipts of petroleum totaled 13 million barrels, up 6 million barrels from November 1996. This increase in receipts was due primarily to higher consumption of petroleum in the New England Middle Atlantic, and South Atlantic Census divisions. Year-to-date receipts of petroleum totaled 106 million barrels, up from 98 million barrels in 1996. The average year-to-date cost of petroleum delivered to electric utilities in 1997 was \$2.90 per million Btu, compared with \$3.12 per million Btu in 1996.

Gas. Receipts of gas in November 1997 totaled 169 billion cubic feet (Bcf), up slightly from 162 Bcf reported in November 1996. Receipts of gas were higher in the West South Central Census division as some electric utilities substituted gas-fired generation for coal-fired generation due to low stocks of coal. Year-to-date receipts of gas totaled 2,577 Bcf, as compared with 2,476 Bcf reported in 1996. The year-to-date average cost of gas was \$2.76 per million Btu as compared to \$2.57 per million Btu for 1996.

1997 At a Glance

Generation. During 1997, a record level of net generation was set when 3,126 billion kilowatthours of electricity were produced—an increase of 2 percent from last year. Net generation of electricity from coal was also at record levels when 1,789 billion kilowatthours were produced, an increase of 3 percent from 1996. Generation from petroleum and gas increased 17 and 8 percent, respectively from the levels in 1996. A significant decline in nuclear power generation during 1997 was largely responsible for the increase in fossil-fired generation. Net generation from nuclear-powered plants was 7 percent lower than in 1996. Most of the decline in nuclear-powered generation was attributed to the fact that many units were out of service for a substantial amount of time during the year for scheduled refueling, maintenance, or repair outage.

Renewable energy sources used at utilities for generating electricity are dominated by conventional hydroelectric power. Conventional hydroelectric generation increased to 341 billion kilowatthours, 3 percent above the level reported during 1996. Hydroelectric plants in the Pacific Contiguous Census Division, which provided 56 percent of total U.S. hydroelectric generation during the year, reported 3 percent more production than during 1996. Generation from renewable sources, excluding conventional hydroelectric power, is primarily geothermal and accounted for 0.2 percent of total electric utility generation in 1997.

Sales. During 1997, total U.S. retail sales of electricity reached a level of 3,120 billion kilowatthours. This was an increase of 22 billion kilowatthours (1 percent) from the 1996 level. Retail sales of electricity in 1997 were higher in the commercial and industrial end-use sectors than in 1996, by 3 and 1 percent, respectively. Although retail sales (based on billion kilowatthours sold) were highest in the residential sector at 1,072, this nonetheless represented a 1-percent drop from the 1996 level in the sector.

Average revenue per kilowatthour sold of total U.S. retail sales of electricity was 6.87 cents, which decreased slightly from a year ago. Of the major end-use sectors, the residential sector at 8.46 cents increased slightly. In the major end-use sectors, the largest decrease in average revenue per kilowatthour occurred in the industrial sector at 0.06 cents or 1 percent, compared with 1996. This was followed by a decrease in the commercial sector at 0.03 cents per kilowatthour or less than 1 percent, compared with 1996.

Electricity Supply and Demand Forecast for 1997¹

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

- In 1997 total electricity demand is expected to continue to grow, but at slower rates than the 2.7 percent seen in 1996. This is due partly to the expectation of somewhat slower economic growth, as well as the assumption of normal weather, which means fewer cooling degree days than in 1996.
- Residential demand for electricity in 1997 is projected to increase slightly from 1996. Normal weather this year implies higher demand in the first quarter which will decrease in the summer, as is normal.
- Commercial sector demand is projected to rise by 2.8 percent in 1997 due primarily to expanding employment. Industrial demand is projected to grow by 2.3 percent in 1997 reflecting the continuing growth in industrial output.
- U.S. utilities are expected to generate about 1.4 percent more electricity in 1997. Nonutility generation is expected to increase by 5.1 percent in 1997, as a result of capacity additions.
- Hydropower generation by electric utilities is expected to increase by 3.4 percent in 1997 due to the increased availability of hydroelectric generation resulting from high runoff conditions in the Pacific Northwest, created by above-average rainfall in the latter half of 1996.
- Nuclear power generation is expected to decrease by 6.8 percent from 1996 levels. This can be attributed mainly to the recent shutdown of a substantial quantity of nuclear generating capacity, especially in the New England area.
- Net imports of electricity from Canada are forecast to be 5 percent lower than in 1996, continuing a two-year downward trend which is actually a return to normal from the record high levels in 1994.

¹Energy Information Administration, *Short-Term Energy Outlook: 1st Quarter 1998*, DOE/EIA-0202 (98/1Q) (Washington, DC, January 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)

	1997				
	1st	2nd	3rd	4th	Year
Supply					
Net Utility Generation					
Coal	434.0	414.0	480.5	456.2	1784.8
Petroleum	17.6	15.4	24.6	18.2	75.8
Natural Gas	45.6	69.1	109.6	59.2	263.5
Nuclear	160.0	144.4	171.0	153.4	628.9
Hydroelectric	94.3	96.0	77.7	71.2	339.2
Geothermal and Other ^a	1.6	1.8	2.0	1.8	7.3
Subtotal	753.1	740.8	865.4	760.2	3119.5
Nonutility Generation ^a					
Coal	15.9	15.5	16.3	18.7	66.4
Petroleum	4.5	4.4	4.6	5.3	18.8
Natural Gas	52.3	50.8	53.3	61.2	217.6
Other Gaseous Fuels ^c	3.0	2.9	3.1	3.5	12.5
Hydroelectric	4.0	3.8	4.0	4.6	16.4
Geothermal and Other ^d	19.9	19.4	20.3	23.4	83.0
Subtotal	99.6	96.9	101.6	116.7	414.7
Total Generation	852.7	837.7	967.0	876.9	3534.2
Net Imports	7.5	8.9	11.8	7.8	36.1
Total Supply	860.2	846.5	978.8	884.7	3570.3
Losses and Unaccounted for ^e	57.6	81.0	65.1	69.1	272.9
Demand					
Electric Utility Sales					
Residential	276.8	226.2	317.3	258.4	1078.8
Commercial	214.5	217.6	280.3	224.2	916.7
Industrial	248.0	259.5	269.1	261.1	1037.7
Other	23.4	23.6	26.5	25.3	98.7
Subtotal	762.8	726.9	873.1	768.9	3131.8
Nonutility Gener. for Own Use ^b	39.8	36.7	40.6	46.6	165.6
Total Demand	802.5	765.6	913.7	815.5	3297.4
Memo:					
Nonutility Sales to					
Electric Utilities ^b	59.8	58.2	61.0	70.1	249.1

^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, December 1997

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> *	1997	1996	Normal to 1997	1996 to 1997
New England	1,110	1,059	926	-4.6	14.4
Middle Atlantic	1,012	949	865	-6.2	9.7
East North Central	1,143	1,052	1,076	-8.0	-2.2
West North Central	1,247	1,095	1,290	-12.2	-15.1
South Atlantic	571	583	508	2.1	14.8
East South Central	718	779	622	8.5	25.2
West South Central	523	582	431	11.3	35.0
Mountain	950	979	868	3.1	12.8
Pacific Contiguous	564	548	509	-2.8	7.7
U.S. Average	836	809	756	-3.2	7.0

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

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

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, December 1997

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> [*]	1997	1996	Normal to 1997	1996 to 1997
New England	0	0	0	NM	NM
Middle Atlantic	0	0	0	NM	NM
East North Central	0	0	0	NM	NM
West North Central	0	0	0	NM	NM
South Atlantic	30	23	28	NM	NM
East South Central	3	0	0	NM	NM
West South Central	10	0	4	NM	NM
Mountain	0	0	0	NM	NM
Pacific Contiguous	0	0	0	NM	NM
U.S. Average	7	4	5	NM	NM

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

NM = Not meaningful (normal is less than 100 or ratio is 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, 1997**

Month/ Company	Plant	State	Generating Unit Number	Net Summer Capability ¹ (megawatts)	Energy Source	Unit Type Code
January						
Wilber City of.....	Wilber	NE	6	1.6	Petroleum	IC
Oberlin City of.....	Oberlin	OH	GT4	2.1	Gas	IC
Hamilton City of.....	Hamilton	OH	3,4	1.8	Water	HY
Washington Island El Coop. Inc.	Washington Island	WI	7,8	3.2	Petroleum	IC
Philadelphia Electric Co.	Pennsbury	PA	A,B	60.0	Gas	ST
South Carolina Electric & Gas Co.	USDOE SRS (D-Area)	SC	1	23.0	Coal	ST
February						
Virginia Electric & Power Co.	Bell Meade	VA	1	230.0	Gas	GT
March						
None	—	—	—	—	—	—
April						
Girard City of.....	Girard	KS	7	3.0	Gas	IC
May						
Lincoln Electric System.....	Rokeby	NE	2	72.0	Petroleum	GT
New Ulm Public Utilities Comm.	New Ulm	MN	6	5.5	Gas	ST
Sacramento Municipal Utility District	Proctor and Gamble	CA	CCST	49.9	Gas	CW
Sacramento Municipal Utility District	Proctor and Gamble	CA	CCCT	99.7	Gas	CT
Colorado Springs City of.....	Tesla	CO	1	25.0	Water	HY
June						
Carolina Power & Light Co.	Darlington County	SC	12,13	240.0	Gas	GT
Empire District Electric Co.	Stateline	MO	2	98.0	Gas	GT
Green Mountain Power Corp.....	Searsburg Wind Turbine	VT	1	6.1	Wind	WT
Lubbock City of.....	Plant 2	TX	6A	22.0	Gas	ST
Metropolitan Edison Co.....	Portland	PA	5	134.0	Gas	GT
Springfield City of.....	Interstate	IL	1	118.0	Gas	GT
July						
Bureau of Reclamation	Minidoka	ID	8,9	20.0	Water	HY
Florida Power Corp.....	Tiger Bay Facility	FL	1	206.0	Gas	CS
Kansas City Power & Light Co.	Hawthorn	MO	6	142.0	Gas	GT
Truman Public Utilities Comm.	Truman	MN	6	1.9	Petroleum	IC
August						
Stuart City of.....	Stuart	NE	5	.8	Petroleum	IC
September						
Kenyon Municipal Utilities	Kenyon Municipal	MN	5,6,7	5.5	Petroleum	IC
October						
None	—	—	—	—	—	—
November						
Northern Wasco County P U D	McNary Fish	OR	1	8.9	Water	HY
December						
None	—	—	—	—	—	—
Total Capability of Newly Added						
Units.....	—	—	—	1,579.8	—	—
Total Capability of Retired Units.....	—	—	—	1.7	—	—
U.S. Total Capability	—	—	—	712,032.8	—	—

¹ Net summer capability is estimated.

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: CS=Combined Cycle - Single Shaft, CT=Combined Cycle Combustion Turbine, CW=Combined Cycle Steam Turbine - Waste Heat Boiler only, GT=Combustion (gas) Turbine, HY=Hydraulic Turbine (conventional), IC=Internal Combustion, ST=Steam Turbine-Boiler, and WT=Wind Turbine.

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

Table 2. U.S. Electric Power Summary Statistics

Items	December 1997	November 1997	December 1996	Year to Date		
				1997	1996	Difference (percent)
Nonutility						
Sales for Resale (Million kWh) ¹	20,110	17,969	19,392	222,367	215,737	3.1
Coefficient of Variation (percent).....	1.1	.9	1.0	—	—	—
Electric Utility						
Net Generation (Million kWh)²						
Coal.....	160,965	147,410	152,983	1,788,733	1,737,453	3.0
Petroleum ³	7,424	6,704	5,933	78,950	67,346	17.2
Gas.....	18,858	17,017	12,414	283,603	262,730	7.9
Nuclear Power.....	55,457	51,535	57,159	629,420	674,729	-6.7
Hydroelectric (Pumped Storage) ⁴	-544	-560	-101	-4,050	-3,088	31.2
Renewable						
Hydroelectric (Conventional).....	24,809	22,397	28,899	341,400	331,058	3.1
Geothermal.....	516	475	456	5,469	5,234	4.5
Biomass.....	166	170	174	1,989	1,967	1.1
Wind.....	*	*	*	6	10	-41.0
Photovoltaic.....	*	*	*	3	3	9.8
All Energy Sources.....	267,650	245,148	257,917	3,125,524	3,077,442	1.6
Consumption²						
Coal (1,000 short tons).....	80,579	73,271	77,769	898,460	874,681	2.7
Petroleum (1,000 barrels) ⁵	11,994	10,832	10,073	128,254	113,274	13.2
Gas (1,000 Mcf).....	198,095	179,712	132,372	2,962,375	2,732,107	8.4
Stocks (end-of-month)²						
Coal (1,000 short tons).....	98,261	100,289	^R 114,623	—	—	—
Petroleum (1,000 barrels) ⁶	48,570	47,176	^R 47,690	—	—	—
Retail Sales (Million kWh)⁷						
Residential.....	95,374	79,688	93,729	1,071,667	1,082,491	-1.0
Commercial.....	74,509	71,600	71,746	913,463	887,425	2.9
Industrial.....	83,841	85,488	84,205	1,035,899	1,030,356	.5
Other ⁸	7,991	8,262	8,058	98,650	97,539	1.1
All Sectors.....	261,714	245,038	257,738	3,119,678	3,097,810	.7
Revenue (Million Dollars)⁷						
Residential.....	7,687	6,595	7,491	90,662	90,501	.2
Commercial.....	5,428	5,355	5,231	69,786	67,827	2.9
Industrial.....	3,688	3,815	3,691	47,168	47,385	-5
Other ⁸	537	546	535	6,740	6,741	—
All Sectors.....	17,339	16,311	16,947	214,356	212,455	.9
Average Revenue/kWh (Cents)⁷						
Residential.....	8.06	8.28	7.99	8.46	8.43	.4
Commercial.....	7.28	7.48	7.29	7.64	7.67	-.4
Industrial.....	4.40	4.46	4.38	4.55	4.61	-1.3
Other ⁸	6.72	6.60	6.63	6.83	6.93	-1.4
All Sectors.....	6.63	6.66	6.58	6.87	6.88	-1
	November 1997⁹	October 1997⁹	November 1996⁹	Year to Date		
				1997 ⁹	1996 ⁹	Difference (percent)
Receipts						
Coal (1,000 short tons).....	72,558	75,583	71,375	802,496	790,176	1.6
Petroleum (1,000 barrels) ¹⁰	12,818	10,549	7,159	105,773	97,668	8.3
Gas (1,000 Mcf).....	168,754	219,535	162,258	2,577,333	2,475,792	4.1
Cost (cents/million Btu)¹¹						
Coal.....	126.3	126.3	127.9	127.5	129.0	-1.2
Petroleum ¹²	315.4	309.0	354.4	289.5	312.0	-7.2
Gas ¹³	342.4	324.3	301.9	276.0	257.4	7.2

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 1997 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-759; 1996 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 December 1997 was 2,237 million kilowatthours.
 - 5 The December 1997 petroleum coke consumption was 134,698 short tons.
 - 6 The December 1997 petroleum coke stocks were 469,190 short tons.
 - 7 Values for 1997 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 1996 are final. Values for 1996 in the commercial and industrial sectors for Maryland, 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 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 1997 and final for 1996.
 - 10 The November 1997 petroleum coke receipts were 190,504 short tons.
 - 11 Average cost of fuel delivered to electric generating plants; cost values are weighted values.
 - 12 November 1997 petroleum coke cost was 98.1 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.
 - R Revised data.
- 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

Energy Service Providers Expected To Face Difficult Times In California

According to the *Wall Street Journal* (WSJ), most of the 250 electric service providers (ESP) who have signed up to sell electricity in California's deregulated electricity market will fail due to competition. Based on interviews conducted by the WSJ, the high failure rate will be due to "...complex and still evolving rules governing deregulation [that] make it too expensive and difficult for small players to participate." Also cited are the low baseline rates that will be charged by large California utilities such as Pacific Gas & Electric Company and Southern California Edison Company making it difficult for any of the new, small ESP's to make a profit. *E Source Incorporated*, a research company located in Boulder Colorado, expects that only 20 to 40 of the electricity marketers will survive. According to the WSJ, the difficulty of the marketers is shown in the fact that only 24,000 out of 9.9 million customers who purchase power from the State's three largest electric utilities have asked to switch providers.

Problems have surfaced in the registration of ESP's in California. According to California State Legislature Assembly Bill 1890 (AB1890) passed in September 1996, anyone could become an ESP by filling out an application and paying a \$100 fee. Since then, reports of fraud have hindered the system. This, in part, led to the passage of Senate Bill 477 (SB477) which modified Section 394 of AB1890. According to SB477, registration must be accompanied by detailed information about the description of service to be provided, the types of customers, and the area in which the services are to be provided. It also requires that the California Public Utilities Commission develop uniform standards to determine "financial viability and technical and operational ability standards" for ESP's. As of February 17, 1998, 61 ESP's have been suspended due to failure to comply with the provisions of SB477.¹

South Carolina PSC Advises "Go Slow" Approach to Deregulation

The South Carolina Public Service Commission (PSC) has released its report on deregulation to the South Carolina General Assembly in which it calls for a "deliberate and careful analysis" of the issues involved in deregulating the electric industry in the State. The report does not advise for or against deregulation but rather recommends a "go slow" approach. It does provide an outline for a 5-year transition plan should the General Assembly decide to proceed with deregulation. The PSC does recommend that the General Assembly resolve several issues before making any decision concerning deregulation. Among the issues that concern the PSC are:

- how competition will affect small consumers such as small commercial and rural residential customers
- need for consumer education
- the impact deregulation will have on tax revenue at the municipal, county, and State level
- ensuring reliable, adequate, and affordable electricity reserves
- resolving issues concerning stranded costs, and
- developing the technology and information systems needed for deregulation.

The PSC noted that South Carolina currently has a low-cost, reliable electric industry that is "working well" for customers in the State. It also noted that "important lessons can be learned from other restructuring experiments such that mistakes made by others are not duplicated in South Carolina."²

¹ John Emshwiller and Kathryn Kranhold, "California's Power Deregulation Isn't as Open as It Looks," *The Wall Street Journal*, February 17, 1998. California Public Utilities Commission, Internet, World Wide Web at <http://www.cpuc.ca.gov> (extracted on February 18, 1998).

² Scanna Corporation, Internet, World Wide Web at <http://www.scanna.com> (extracted on February 20, 1998). Carolina Power and Light Company, Internet, World Wide Web at <http://www.cplc.com> (extracted on February 20, 1998).

Connecticut Restructuring Bill Approved at Committee Level, Utilities Disapprove Refinancing Rules

A Connecticut legislative Committee on Energy and Technology has approved Raised Bill Number 5005 (RB5005) that is designed to deregulate the electric industry in the State. A last minute change to the bill included a 6-month delay until January 1, 2000, for the start of customer choice and a 10-percent rate reduction. The bill will allow all customers to choose their energy supplier by July 1, 2000. It also provides for a competitive bidding process in which fossil and hydroelectric plants will be sold. Current owners of the plants will be able to bid for the facilities. Nuclear facilities will not enter the auction process until 2003 in hope that the current owners will be able to enhance their market value. The committee expects to include some additional amendments to the bill before it is passed on for additional committee and legislative approval.

While voicing approval for most of the bill, both Connecticut Light & Power Company (CL&P) and United Illuminating Company (UI) have been outspoken against the refinancing portion of RB5005. According to CL&P, the bill does not make clear the option of securitization of nuclear costs if the plants are sold. It also limits securitization to just enough to provide for a 10-percent rate reduction. CL&P states that by limiting securitization, the committee has limited the amount of rate reduction that customers will receive. According to the company, a three-to-six percent rate reduction can be obtained through securitization alone. However, the reduction is dependant on how much securitization is allowed. CP&L believes that the securitization of each additional \$500 million of stranded costs would produce an additional rate reduction of 1.25 percent and a reduction in the period that customers would pay these costs from 25 years to 12 years. Full securitization, according to CP&L, would save customers more than \$1 billion.³

PacifiCorp Battles Texas Utilities for British Conglomerate

PacifiCorp and Texas Utilities Company (TU) are locked in a battle to acquire Britain's largest electric utility, the Energy Group PLC (TEG), for a price in excess of \$7

billion. (This figure does not include the assumption of \$3.8 billion of TEG debt). As of March 3, 1998, PacifiCorp's latest offer for TEG was 820 pence per share, just under the 840 pence per share offered by TU. However, it is PacifiCorp's contention that it would take months for TU to receive all the regulatory approvals that are necessary for the purchase. PacifiCorp has already obtained these approvals. Each company continues to acquire stock in TEG, with PacifiCorp now owning 8.8 percent of the outstanding TEG stock while TU has acquired 13.9 percent of the company.

PacifiCorp first announced its intention to acquire TEG in June 1997. Two months later, the British government referred the proposed transaction to British antitrust regulators. After months of hearings, PacifiCorp received approval from Britain's Monopolies and Mergers Commission in December 1997. However, changing exchange rates complicated the transaction. The buy out agreement had been approved by both companies' board of directors, the British government, and the Federal Energy Regulatory Commission, which cleared the way for PacifiCorp to begin purchasing TEG stock to solidify its position and remove the possibility of any competing offers. However, in March 1998, TU topped PacifiCorp's bid for TEG.

TEG is Britain's largest regional electric utility with 3.1 million customers. It is also owner of U.S.-based Peabody Coal Company, the world's largest private coal company. Peabody, with an estimated coal reserve of nearly 10 billion tons, currently has nearly 150 coal supply contracts with electric utilities in the United States. Analysts in the electric industry say the coal holdings are important because they will allow PacifiCorp to pursue a "coal-by-wire" strategy in which it will either deliver coal as a fuel for electric generation or purchase electricity, the decision being based on whichever is less expensive. According to *The Wall Street Journal*, the entire deal "...is pegged to a PacifiCorp strategy to link coal, gas, and electricity so the company can swap any of the commodities in one market to meet its needs in another market."

According to TU, the purchase of TEG fits the company's strategy of identifying new business investments that will "...capitalize on its core competencies and are complementary to its existing portfolio of businesses." TU has announced its intention to use proceeds of

³ Northeast Utilities, Internet, World Wide Web at <http://www.nu.com/aboutNU/morris.htm> (extracted on February 20, 1998). Connecticut General Assembly, Internet, World Wide Web at <http://www.cga.state.ct.us> (extracted on February 20, 1998).

the sale of Peabody Coal Company and Citizens Power, both subsidiaries of TEG, to fund the purchase of TEG.⁴

UP/BNSF To Set Up Joint Regional Dispatching Center

In a move aimed at alleviating rail congestion and improving delivery times, the Union Pacific Railroad (UP) and the Burlington Northern and Santa Fe Railway Company (BNSF) have agreed to set up a joint regional dispatching center for both railroads' Gulf Coast train operations. As part of the agreement, the 342-mile Southern Pacific route from Houston to New Orleans will be converted to a jointly-owned route in which each company has a 50-percent interest. Currently, UP operates the western 148 miles of track between Houston and Iowa Junction while BNSF operates the 194-mile eastern portion from Iowa Junction to New Orleans. Both railroads will have access to all customers along the route. The agreement is in response to a Surface Transportation Board mandate that a solution be found to the rail congestion problems that have plagued the UP railroad over the past 6 months. Operational problems have slowed the delivery of coal to electric plants resulting in shortages at some facilities.

In a separate announcement, the Surface Transportation Board has announced a review of competition in the rail industry. The review has been requested by the Senate Commerce Committee and the subcommittee on surface transportation due to concerns about rail congestion problems in the central and western parts of the Nation and plans by CSX Corporation and Norfolk Southern Corporation to jointly acquire Consolidated Rail Corporation (Conrail) in the East.⁵

Deregulation Approved by Virginia House of Delegates

The Virginia House of Delegates voted 82-16 to approve a bill that will deregulate the electric industry in the State. The timetable set by the House Bill 1172 will allow consumers to choose their electric supplier by January 1, 2004. It requires utilities in Virginia to submit a rate plan for the years 1999 thru 2003 to the State Corporation Commission (SCC) by January 1, 1999. The

SCC will then set rates that will remain in place until December 31, 2003. Though the bill sets a schedule and would commit the State by law to deregulation, it leaves nearly all details necessary for deregulation to be worked out by the SCC and the Virginia legislature. The bill must still be passed by the Virginia State Senate and signed by the governor, before it becomes law. Like most southern States, Virginia has moved slowly on electric deregulation due to its comparatively low electric rates.⁶

Mohave Generating Station Facing Uncertain Future

The 1,600-megawatt coal-fired Mohave generating station, located along the Colorado River in Clark County, Nevada, has come under fire from environmentalists who say that the facility detrimentally impacts air quality in the region, especially over the nearby Grand Canyon. Formal notice was given in December that an environmental coalition intends to sue the owners of the plant including the Southern California Edison Company (SCE), Los Angeles Department of Water and Power (LADWP), Nevada Power Company, and the Salt River Project Agricultural Improvement and Power District. According to the *Los Angeles Times*, Mohave is the "...biggest uncontrolled source of sulfur dioxide in the Southwest." Critics also say that the 273-mile coal slurry pipeline that delivers a coal-water mixture from the Black Mesa mine in Arizona to the Mohave plant consumes 1 billion gallons of water per year "...imperiling an aquifer that is one of the arid region's most important water sources."

Environmentalists say that the owners need to install a flue-gas desulfurization system (scrubber) in order to control gas emissions from the plant. At a cost of \$200 million, LADWP officials claim that with \$4 billion of debt on the books, it couldn't afford to retrofit the plant with scrubbers. SCE officials note that they doubt that Mohave would be competitive in the electric markets if it had to install scrubbers.

A concern for both the owners of Mohave and the environmentalists is the fact that the plant is responsible for nearly \$30 million a year in royalties and taxes that

⁴ Kathryn Kranhold, "PacifiCorp Lifts Offer for Britain's Energy Group to \$6.53 Billion," *The Wall Street Journal*, February 3, 1998. Holden, Benjamin A., "PacifiCorp Pursues energy-Swap Plans," *The Wall Street Journal*, June 16, 1997. PacifiCorp, Internet, World Wide Web at <http://www.upl.com> (extracted on February 20, 1998). Texas Utilities Company, World Wide Web at <http://www.tu.com> (extracted on March 3, 1998).

⁵ Union Pacific Corporation, Internet, World Wide Web at <http://www.uprr.com> (extracted on February 24, 1998). Yahoo!, "U.S. Regulator Announces Rail Competition Review", Internet, World Wide Web at <http://biz.yahoo.com/finance> (extracted on February 24, 1998).

⁶ "Virginia House Oks Plum Bill Allowing Choice of Utility", *The Washington Times*, February 19, 1998, (extracted on February 24, 1998). Virginia Power Company, Internet, World Wide Web at <http://www.vapower.com/news> (extracted on February 24, 1998).

are paid to the Hopi and Navaho Nations of Arizona and New Mexico. It represents their largest private source of income, nearly 80 percent of the Hopi annual budget. The predicament lies in the fact that coal for the plant is obtained via a coal-slurry pipeline from the Black Mesa mine which lies within the Hopi and Navaho reservations. According to the mine owner (Peabody Coal Company), the remoteness of the mine makes the

Mohave plant the only market for the coal. Without the royalties that the mine provides, an economic disaster for both tribes could soon follow. However, environmentalists claim that not all tribal members want the mine or the Mohave plant. They claim that a faction of the Hopi tribe believe that if the coal-slurry pipeline dries up the aquifer and its associated springs, the land will become uninhabitable.⁷

⁷ Frank Clifford, "Mohave Power Plant's Future Is a Thorny Dilemma", *Los Angeles Times*, February 19, 1998.

U.S. Electric Utility Net Generation

Table 3. U.S. Electric Power Industry Net Generation, 1990 Through December 1997
(Million Kilowatthours)

Period	Electric Utilities								Nonutility Power Producers	Total Electric Power Industry
	Coal	Petroleum ¹	Gas ²	Nuclear	Hydro-electric	Geothermal	Other ³	Total		
1990.....	1,559,606	117,017	264,089	576,862	279,926	8,581	2,070	2,808,151	212,779	3,020,930
1991.....	1,551,167	111,463	264,172	612,565	275,519	8,087	2,050	2,825,023	243,006	3,068,029
1992.....	1,575,895	88,916	263,872	618,776	239,559	8,104	2,096	2,797,219	286,148	3,083,367
1993.....	1,639,151	99,539	258,915	610,291	265,063	7,571	1,994	2,882,525	314,399	3,196,924
1994.....	1,635,493	91,039	291,115	640,440	243,693	6,941	1,992	2,910,712	343,087	3,253,799
1995										
January.....	142,412	4,159	19,339	63,342	23,291	408	126	253,077	NA	NA
February.....	128,447	7,042	16,422	51,858	23,956	296	106	228,127	NA	NA
March.....	126,970	3,080	23,844	51,880	27,458	326	117	233,675	NA	NA
April.....	118,786	3,315	22,062	49,321	23,464	282	151	217,381	NA	NA
May.....	126,013	4,390	24,662	54,387	26,570	255	104	236,381	NA	NA
June.....	138,089	4,422	28,394	56,381	28,387	281	129	256,083	NA	NA
July.....	158,378	7,252	38,756	62,037	25,942	305	157	292,827	NA	NA
August.....	166,700	8,257	44,402	61,661	22,999	524	165	304,709	NA	NA
September.....	135,241	4,850	30,479	55,690	18,798	367	149	245,574	NA	NA
October.....	131,318	3,500	23,076	54,293	21,440	619	163	234,409	NA	NA
November.....	133,899	3,521	19,261	52,708	24,019	554	155	234,117	NA	NA
December.....	146,662	7,056	16,609	59,844	27,329	528	143	258,170	NA	NA
Total.....	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.....	161,276	8,392	13,927	58,914	31,090	414	162	274,177	NA	NA
February.....	135,218	4,644	13,455	50,658	29,882	310	148	234,315	NA	NA
March.....	137,554	4,525	18,170	50,414	33,313	438	156	244,569	NA	NA
April.....	131,720	4,094	18,783	45,313	30,483	484	170	231,045	NA	NA
May.....	136,185	4,489	22,098	47,032	32,753	471	178	243,206	NA	NA
June.....	146,072	6,789	28,265	52,095	32,801	385	159	266,565	NA	NA
July.....	166,893	9,204	40,143	57,352	30,070	512	169	304,344	NA	NA
August.....	162,363	7,580	37,186	61,084	25,494	505	174	294,386	NA	NA
September.....	151,238	7,865	32,245	52,586	22,121	482	153	266,690	NA	NA
October.....	151,840	7,242	23,454	46,981	23,241	477	194	253,430	NA	NA
November.....	147,410	6,704	17,017	51,535	21,837	475	170	245,148	NA	NA
December.....	160,965	7,424	18,858	55,457	24,264	516	166	267,650	NA	NA
Total.....	1,788,733	78,950	283,603	629,420	337,350	5,469	1,999	3,125,524	NA	NA
Year to Date										
1997.....	1,788,733	78,950	283,603	629,420	337,350	5,469	1,999	3,125,524	NA	NA
1996.....	1,737,453	67,346	262,730	674,729	327,970	5,234	1,980	3,077,442	NA	NA
1995.....	1,652,914	60,844	307,306	673,402	293,653	4,745	1,664	2,994,529	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 = Not available.

Notes: *Values for electric utilities for 1997 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for electric utilities for 1996 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for electric utilities for 1995 and prior years are final. *Values for nonutilities (Form EIA-867) for 1995 and prior years are final, and for 1996 are preliminary. *Totals may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report"; Form EIA-867, "Annual Nonutility Power Producers."

Table 4. U.S. Electric Utility Net Generation by Nonrenewable Energy Source, 1990 Through December 1997
(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						
January.....	228,830	142,412	4,159	19,339	63,342	-421
February.....	203,846	128,447	7,042	16,422	51,858	77
March.....	205,991	126,970	3,080	23,844	51,880	217
April.....	193,518	118,786	3,315	22,062	49,321	33
May.....	209,532	126,013	4,390	24,662	54,387	81
June.....	226,853	138,089	4,422	28,394	56,381	-433
July.....	266,172	158,378	7,252	38,756	62,037	-251
August.....	280,776	166,700	8,257	44,402	61,661	-245
September.....	225,962	135,241	4,850	30,479	55,690	-297
October.....	211,552	131,318	3,500	23,076	54,293	-635
November.....	209,054	133,899	3,521	19,261	52,708	-335
December.....	229,654	146,662	7,056	16,609	59,844	-516
Total.....	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.....	242,003	161,276	8,392	13,927	58,914	-507
February.....	203,643	135,218	4,644	13,455	50,658	-333
March.....	210,446	137,554	4,525	18,170	50,414	-217
April.....	199,635	131,720	4,094	18,783	45,313	-274
May.....	209,784	136,185	4,489	22,098	47,032	-19
June.....	232,993	146,072	6,789	28,265	52,095	-227
July.....	273,318	166,893	9,204	40,143	57,352	-274
August.....	267,914	162,363	7,580	37,186	61,084	-298
September.....	243,563	151,238	7,865	32,245	52,586	-371
October.....	229,092	151,840	7,242	23,454	46,981	-426
November.....	222,106	147,410	6,704	17,017	51,535	-560
December.....	242,159	160,965	7,424	18,858	55,457	-544
Total.....	2,776,656	1,788,733	78,950	283,603	629,420	-4,050
Year to Date						
1997.....	2,776,656	1,788,733	78,950	283,603	629,420	-4,050
1996.....	2,739,170	1,737,453	67,346	262,730	674,729	-3,088
1995.....	2,691,742	1,652,914	60,844	307,306	673,402	-2,725

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 #1 #2 was 2,237 million kilowatthours.

Notes: *Values for 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1995 and prior years are final. *Totals may not equal sum of components because of independent rounding.

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

Table 5. U.S. Electric Utility Net Generation by Renewable Energy Source, 1990 Through December 1997
(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						
January.....	24,246,610	23,712,095	408,244	126,210	20	41
February.....	24,280,485	23,878,479	296,467	105,386	82	71
March.....	27,683,337	27,240,939	325,805	116,438	16	139
April.....	23,863,670	23,431,269	281,802	150,172	24	403
May.....	26,848,211	26,489,575	254,790	101,878	1,433	535
June.....	29,229,644	28,819,636	280,587	127,033	1,748	640
July.....	26,655,041	26,192,961	305,013	154,322	2,174	571
August.....	23,932,804	23,243,629	524,471	162,237	1,914	553
September.....	19,611,834	19,095,775	366,999	146,640	2,009	411
October.....	22,856,677	22,074,849	618,565	162,080	900	283
November.....	25,063,034	24,353,876	554,325	154,196	439	198
December.....	28,515,481	27,844,757	527,736	142,586	338	64
Total.....	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.....	32,174,402	31,597,598	414,430	162,075	219	80
February.....	30,672,048	30,214,441	309,699	147,477	198	233
March.....	34,122,599	33,529,175	437,818	155,030	270	306
April.....	31,410,099	30,756,308	484,260	168,520	589	422
May.....	33,421,556	32,772,888	470,792	176,879	637	360
June.....	33,571,872	33,027,939	384,659	157,802	940	532
July.....	31,025,021	30,344,327	511,676	167,599	926	493
August.....	26,471,454	25,791,844	505,424	172,812	964	410
September.....	23,127,627	22,492,044	482,357	152,523	473	230
October.....	24,338,151	23,667,492	476,849	193,089	499	222
November.....	23,042,227	22,397,270	475,091	169,622	132	112
December.....	25,490,550	24,808,649	516,055	165,635	130	81
Total.....	348,867,606	341,399,975	5,469,110	1,989,063	5,977	3,481
Year to Date						
1997.....	348,867,606	341,399,975	5,469,110	1,989,063	5,977	3,481
1996.....	338,272,325	331,058,049	5,233,927	1,967,057	10,123	3,169
1995.....	302,786,828	296,377,840	4,744,804	1,649,178	11,097	3,909

Notes: *Values for 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1995 and prior years are final. *Totals may not equal sum of components because of independent rounding.

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

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

NERC Region and Hawaii	December 1997	November 1997	December 1996	Year to Date		
				1997	1996	Difference (percent)
ECAR.....	47,518	43,722	45,004	530,109	524,557	1.1
ERCOT.....	17,413	15,586	16,509	224,796	221,846	1.3
MAAC.....	18,229	16,532	18,003	202,876	204,726	-.9
MAIN.....	18,409	16,661	19,849	215,338	232,044	-7.2
MAPP (U.S.).....	14,128	13,440	14,124	159,174	159,873	-.4
NPCC (U.S.).....	16,308	14,909	14,927	187,717	179,417	4.6
SERC.....	53,408	49,931	59,208	604,682	725,407	-16.6
FRCC.....	10,810	9,799	—	140,900	—	NM
SPP.....	23,803	21,511	23,538	294,742	288,630	2.1
WSCC (U.S.).....	46,635	42,078	45,726	552,453	529,540	4.3
Contiguous U.S.....	266,661	244,169	256,887	3,112,784	3,066,040	1.5
ASCC.....	490	483	524	6,527	4,982	31.0
Hawaii.....	499	496	506	6,213	6,420	-3.2
U.S. Total.....	267,650	245,148	257,917	3,125,524	3,077,442	1.6

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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •See Glossary for explanation of acronyms.

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

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

Census Division and State	December 1997	November 1997	December 1996	Year to Date		
				1997	1996	Difference (percent)
New England	6,553	6,088	5,921	73,039	74,485	-1.9
Connecticut.....	1,514	1,024	1,094	13,267	15,774	-15.9
Maine.....	326	341	306	3,237	7,800	-58.5
Massachusetts.....	3,179	2,709	2,422	33,907	27,759	22.2
New Hampshire.....	774	1,340	1,343	14,267	15,419	-7.5
Rhode Island.....	342	325	279	3,566	3,301	8.0
Vermont.....	471	406	525	5,395	5,004	7.8
Middle Atlantic	26,753	24,592	25,604	308,369	299,133	3.1
New Jersey.....	2,360	1,978	1,856	23,714	19,791	19.8
New York.....	9,118	8,367	8,952	107,499	104,359	3.0
Pennsylvania.....	15,275	14,248	14,801	177,175	175,023	1.2
East North Central	46,188	42,244	46,639	519,962	538,927	-3.5
Illinois.....	11,141	10,255	12,418	131,219	144,115	-8.9
Indiana.....	10,128	9,455	9,108	109,876	105,558	4.1
Michigan.....	7,194	6,899	7,884	89,646	95,155	-5.8
Ohio.....	13,413	11,660	12,930	141,076	142,900	-1.3
Wisconsin.....	4,347	4,005	4,335	48,540	51,651	-6.0
West North Central	21,672	19,875	22,189	253,365	250,552	1.1
Iowa.....	2,938	2,618	2,869	34,138	33,387	2.2
Kansas.....	2,944	2,253	3,490	37,771	39,874	-5.3
Minnesota.....	3,679	3,415	4,094	40,297	41,791	-3.6
Missouri.....	5,895	5,522	6,166	71,076	67,827	4.8
Nebraska.....	2,503	2,318	2,170	28,391	27,323	3.9
North Dakota.....	2,785	2,584	2,785	29,719	30,770	-3.4
South Dakota.....	969	1,206	653	12,467	10,066	23.8
South Atlantic	54,741	49,476	49,969	633,389	616,108	2.8
Delaware.....	425	433	547	6,574	8,122	-19.1
District of Columbia.....	-1	3	12	71	110	-35.7
Florida.....	11,236	10,286	10,552	147,512	145,141	1.6
Georgia.....	9,113	7,603	8,155	101,746	98,730	3.1
Maryland.....	3,967	3,641	3,932	44,552	44,381	.4
North Carolina.....	10,106	8,713	9,221	107,354	102,787	4.4
South Carolina.....	6,361	6,535	5,446	78,404	76,326	2.7
Virginia.....	5,334	4,809	4,676	58,894	56,533	4.2
West Virginia.....	8,200	7,451	7,428	88,281	83,979	5.1
East South Central	29,213	28,601	27,239	331,496	321,019	3.3
Alabama.....	9,940	9,734	9,836	113,878	115,093	-1.1
Kentucky.....	8,195	7,810	6,769	92,361	88,440	4.4
Mississippi.....	2,653	2,636	2,396	31,227	28,838	8.3
Tennessee.....	8,425	8,421	8,238	94,030	88,648	6.1
West South Central	34,002	30,242	32,273	429,933	422,149	1.8
Arkansas.....	3,329	2,915	3,706	42,792	43,677	-2.0
Louisiana.....	5,043	4,550	4,465	61,689	58,643	5.2
Oklahoma.....	3,864	3,377	3,817	48,428	47,545	1.9
Texas.....	21,767	19,401	20,284	277,024	272,284	1.7
Mountain	25,125	23,496	24,672	282,053	266,728	5.7
Arizona.....	7,120	6,437	6,413	78,058	70,875	10.1
Colorado.....	3,229	2,999	3,127	34,420	33,971	1.3
Idaho.....	866	800	781	13,497	12,231	10.3
Montana.....	2,426	2,386	2,631	27,805	26,038	6.8
Nevada.....	1,835	1,964	1,905	22,870	21,362	7.1
New Mexico.....	2,807	2,408	2,909	30,601	29,364	4.2
Utah.....	3,257	2,877	3,031	33,983	32,228	5.4
Wyoming.....	3,599	3,639	3,892	40,987	40,851	.3
Pacific Contiguous	21,734	18,911	21,749	273,718	269,725	1.5
California.....	8,375	7,501	8,501	112,267	114,706	-2.1
Oregon.....	4,234	3,621	4,463	49,364	47,883	3.1
Washington.....	9,665	8,290	9,272	117,877	112,606	4.7
Pacific Noncontiguous	987	978	1,030	12,733	11,403	11.7
Alaska.....	489	483	524	6,524	4,983	30.9
Hawaii.....	498	496	506	6,208	6,420	-3.3
U.S. Total	267,650	245,148	257,917	3,125,524	3,077,442	1.6

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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding.

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

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

Census Division and State	December 1997	November 1997	December 1996	Year to Date				
				Coal Generation			Share of Total (percent)	
				1997	1996	Difference (percent)	1997	1996
New England	1,838	1,639	1,444	19,126	17,178	11.3	26.2	23.1
Connecticut.....	248	214	230	2,558	2,368	8.0	19.3	15.0
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	1,208	1,085	978	12,488	11,500	8.6	36.8	41.4
New Hampshire.....	382	340	236	4,080	3,310	23.3	28.6	21.5
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—
Middle Atlantic	11,949	10,988	10,794	133,967	127,129	5.4	43.4	42.5
New Jersey.....	689	615	568	6,774	5,827	16.3	28.6	29.4
New York.....	1,942	1,990	1,737	21,751	20,444	6.4	20.2	19.6
Pennsylvania.....	9,318	8,384	8,489	105,442	100,858	4.5	59.5	57.6
East North Central	37,820	34,425	37,007	415,563	408,295	1.8	79.9	75.8
Illinois.....	6,844	6,386	6,817	76,120	71,514	6.4	58.0	49.6
Indiana.....	9,994	9,321	9,036	108,326	104,414	3.7	98.6	98.9
Michigan.....	5,674	5,391	6,113	65,558	66,097	-8	73.1	69.5
Ohio.....	11,887	10,078	11,333	124,740	128,125	-2.6	88.4	89.7
Wisconsin.....	3,422	3,249	3,707	40,818	38,145	7.0	84.1	73.9
West North Central	16,412	15,473	16,727	189,854	188,132	.9	74.9	75.1
Iowa.....	2,458	2,151	2,398	28,780	28,283	1.8	84.3	84.7
Kansas.....	1,952	2,065	2,537	27,235	29,743	-8.4	72.1	74.6
Minnesota.....	2,549	2,536	2,722	27,082	27,329	-9	67.2	65.4
Missouri.....	5,130	4,883	5,192	59,901	57,176	4.8	84.3	84.3
Nebraska.....	1,433	1,268	1,136	17,208	16,041	7.3	60.6	58.7
North Dakota.....	2,580	2,259	2,593	26,314	27,530	-4.4	88.5	89.5
South Dakota.....	310	312	148	3,333	2,030	64.2	26.7	20.2
South Atlantic	34,540	30,883	30,846	382,149	366,613	4.2	60.3	59.5
Delaware.....	316	296	339	3,926	4,225	-7.1	59.7	52.0
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	5,472	5,121	5,629	66,032	65,783	.4	44.8	45.3
Georgia.....	5,723	4,950	4,750	66,189	63,231	4.7	65.1	64.0
Maryland.....	2,425	2,023	2,272	27,393	27,781	-1.4	61.5	62.6
North Carolina.....	6,849	6,039	5,282	70,179	64,098	9.5	65.4	62.4
South Carolina.....	2,785	2,703	2,607	31,042	30,308	2.4	39.6	39.7
Virginia.....	2,812	2,346	2,608	29,675	27,930	6.2	50.4	49.4
West Virginia.....	8,157	7,406	7,358	87,712	83,258	5.4	99.4	99.1
East South Central	20,671	20,102	18,244	232,252	225,775	2.9	70.1	70.3
Alabama.....	6,277	6,221	6,102	71,853	73,599	-2.4	63.1	63.9
Kentucky.....	7,929	7,543	6,435	88,348	84,661	4.4	95.7	95.7
Mississippi.....	1,080	949	1,091	12,500	12,010	4.1	40.0	41.6
Tennessee.....	5,384	5,390	4,616	59,551	55,505	7.3	63.3	62.6
West South Central	18,128	15,649	18,198	212,293	208,104	2.0	49.4	49.3
Arkansas.....	1,819	1,497	2,047	22,760	24,339	-6.5	53.2	55.7
Louisiana.....	1,947	1,638	1,733	20,952	18,633	12.5	34.0	31.8
Oklahoma.....	2,514	2,471	2,811	33,036	31,877	3.6	68.2	67.0
Texas.....	11,849	10,043	11,608	135,545	133,255	1.7	48.9	48.9
Mountain	18,304	17,209	18,439	194,701	186,228	4.5	69.0	69.8
Arizona.....	3,282	2,847	2,892	34,218	30,779	11.2	43.8	43.4
Colorado.....	3,075	2,857	2,986	32,031	31,952	.2	93.1	94.1
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1,391	1,335	1,516	14,409	12,241	17.7	51.8	47.0
Nevada.....	1,281	1,647	1,596	15,250	14,656	4.1	66.7	68.6
New Mexico.....	2,612	2,190	2,696	27,112	26,356	2.9	88.6	89.8
Utah.....	3,120	2,741	2,925	32,143	30,692	4.7	94.6	95.2
Wyoming.....	3,543	3,591	3,828	39,537	39,551	*	96.5	96.8
Pacific Contiguous	1,282	1,017	1,261	8,592	9,769	-12.1	3.1	3.6
California.....	—	—	—	—	—	—	—	—
Oregon.....	369	289	357	1,626	1,727	-5.9	3.3	3.6
Washington.....	913	728	904	6,966	8,042	-13.4	5.9	7.1
Pacific Noncontiguous	19	24	22	237	229	3.5	1.9	2.0
Alaska.....	19	24	22	237	229	3.5	3.6	4.6
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	160,965	147,410	152,983	1,788,733	1,737,453	3.0	57.2	56.5

* = 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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. *Negative generation denotes that electric power consumed for plant use exceeds gross generation. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. *Coal includes lignite, bituminous coal, subbituminous coal, and anthracite.

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

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

Census Division and State	December 1997	November 1997	December 1996	Year to Date				
				Petroleum Generation			Share of Total (percent)	
				1997	1996	Difference (percent)	1997	1996
New England.....	2,922	1,869	1,618	22,502	13,002	73.1	30.8	17.5
Connecticut.....	1,154	622	724	8,446	5,255	60.7	63.7	33.3
Maine.....	232	210	43	1,439	622	131.4	44.4	8.0
Massachusetts.....	1,344	959	752	11,581	6,221	86.2	34.2	22.4
New Hampshire.....	190	77	99	1,006	838	20.0	7.1	5.4
Rhode Island.....	1	1	1	20	62	-68.0	.6	1.9
Vermont.....	NM	NM	NM	10	3	184.1	.2	.1
Middle Atlantic.....	1,328	1,074	1,187	10,833	13,148	-17.6	3.5	4.4
New Jersey.....	19	4	6	384	611	-37.2	1.6	3.1
New York.....	1,189	927	1,004	8,142	9,324	-12.7	7.6	8.9
Pennsylvania.....	119	143	177	2,308	3,213	-28.2	1.3	1.8
East North Central.....	136	233	222	2,144	2,159	-.7	.4	.4
Illinois.....	19	102	103	497	796	-37.5	.4	.6
Indiana.....	64	63	16	604	321	88.3	.5	.3
Michigan.....	24	40	69	600	652	-8.0	.7	.7
Ohio.....	23	22	23	273	267	2.0	.2	.2
Wisconsin.....	7	6	11	170	124	37.3	.4	.2
West North Central.....	89	102	101	1,214	1,064	14.1	.5	.4
Iowa.....	NM	NM	NM	92	51	79.3	.3	.2
Kansas.....	5	6	23	107	158	-32.5	.3	.4
Minnesota.....	62	67	56	763	640	19.1	1.9	1.5
Missouri.....	10	13	9	128	96	33.3	.2	.1
Nebraska.....	3	3	2	33	20	64.0	.1	.1
North Dakota.....	7	10	9	86	89	-3.7	.3	.3
South Dakota.....	1	*	*	7	9	-27.3	.1	.1
South Atlantic.....	1,804	2,107	1,608	29,473	27,154	8.5	4.7	4.4
Delaware.....	44	69	87	828	1,188	-30.3	12.6	14.6
District of Columbia.....	-1	3	12	71	110	-35.7	100.0	100.0
Florida.....	1,626	1,777	1,292	25,469	22,891	11.3	17.3	15.8
Georgia.....	8	7	14	201	292	-31.3	.2	.3
Maryland.....	79	173	68	1,478	1,401	5.5	3.3	3.2
North Carolina.....	24	24	47	212	259	-18.4	.2	.3
South Carolina.....	7	14	19	188	126	49.6	.2	.2
Virginia.....	7	31	46	857	683	25.4	1.5	1.2
West Virginia.....	10	9	24	171	204	-16.3	.2	.2
East South Central.....	421	573	323	3,059	1,722	77.6	.9	.5
Alabama.....	13	10	12	117	156	-24.9	.1	.1
Kentucky.....	17	13	15	126	135	-7.1	.1	.2
Mississippi.....	382	546	256	2,632	1,173	124.3	8.4	4.1
Tennessee.....	9	4	40	184	257	-28.6	.2	.3
West South Central.....	84	90	95	909	1,055	-13.9	.2	.3
Arkansas.....	4	1	13	67	98	-32.2	.2	.2
Louisiana.....	64	76	22	645	273	136.1	1.0	.5
Oklahoma.....	3	*	*	13	125	-89.9	*	.3
Texas.....	14	13	59	185	559	-66.9	.1	.2
Mountain.....	24	15	22	232	306	-24.1	.1	.1
Arizona.....	5	3	11	61	65	-6.5	.1	.1
Colorado.....	1	NM	NM	15	16	-3.2	*	*
Idaho.....	*	—	*	*	*	NM	*	*
Montana.....	1	2	1	17	18	-5.8	.1	.1
Nevada.....	8	2	1	31	94	-66.8	.1	.4
New Mexico.....	2	2	*	21	22	-6.3	.1	.1
Utah.....	1	3	2	28	31	-9.6	.1	.1
Wyoming.....	5	4	4	59	59	-1.3	.1	.1
Pacific Contiguous.....	38	32	145	168	690	-75.6	.1	.3
California.....	37	30	141	142	675	-79.0	.1	.6
Oregon.....	1	2	2	11	7	59.1	*	*
Washington.....	*	1	2	16	8	98.8	*	*
Pacific Noncontiguous.....	579	609	611	8,416	7,045	19.5	66.1	61.8
Alaska.....	83	NM	NM	2,226	643	246.1	34.1	12.9
Hawaii.....	496	494	505	6,190	6,402	-3.3	99.7	99.7
U.S. Total.....	7,424	6,704	5,933	78,950	67,346	17.2	2.5	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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Includes fuel oil Nos. 2, 4, 5, and 6, crude oil, kerosene, and petroleum coke.

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

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

Census Division and State	December 1997	November 1997	December 1996	Year to Date				
				Gas Generation			Share of Total (percent)	
				1997	1996	Difference (percent)	1997	1996
New England	641	776	461	10,316	8,649	19.3	14.1	11.6
Connecticut.....	52	131	32	1,524	959	59.0	11.5	6.1
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	247	321	152	5,208	4,450	17.0	15.4	16.0
New Hampshire.....	*	*	*	37	*	NM	.3	*
Rhode Island.....	341	324	278	3,547	3,240	9.5	99.4	98.1
Vermont.....	—	—	—	*	*	NM	*	*
Middle Atlantic	1,336	1,335	524	23,490	16,435	42.9	7.6	5.5
New Jersey.....	46	131	29	2,777	2,439	13.9	11.7	12.3
New York.....	1,261	1,185	469	20,101	13,355	50.5	18.7	12.8
Pennsylvania.....	28	19	27	611	641	-4.7	.3	.4
East North Central	535	469	174	6,069	3,723	63.0	1.2	.7
Illinois.....	408	326	43	3,492	1,875	86.2	2.7	1.3
Indiana.....	11	17	21	385	374	2.9	.4	.4
Michigan.....	74	84	46	859	737	16.6	1.0	.8
Ohio.....	7	12	8	225	196	14.8	.2	.1
Wisconsin.....	35	30	57	1,107	540	104.9	2.3	1.0
West North Central	207	268	106	3,695	3,061	20.7	1.5	1.2
Iowa.....	11	17	13	287	189	52.0	.8	.6
Kansas.....	159	199	NM	1,998	1,768	13.0	5.3	4.4
Minnesota.....	NM	9	35	512	468	9.5	1.3	1.1
Missouri.....	22	31	5	573	395	45.1	.8	.6
Nebraska.....	3	7	7	208	192	8.6	.7	.7
North Dakota.....	*	*	*	*	*	NM	*	*
South Dakota.....	5	5	2	117	50	134.6	.9	.5
South Atlantic	2,643	1,828	1,556	37,861	35,914	5.4	6.0	5.8
Delaware.....	65	68	121	1,821	2,708	-32.8	27.7	33.3
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	2,462	1,671	1,366	32,802	30,782	6.6	22.2	21.2
Georgia.....	4	11	3	568	345	64.8	.6	.3
Maryland.....	18	33	18	879	649	35.4	2.0	1.5
North Carolina.....	*	3	2	377	195	93.6	.4	.2
South Carolina.....	2	6	1	181	90	100.4	.2	.1
Virginia.....	91	37	41	1,212	1,124	7.9	2.1	2.0
West Virginia.....	1	*	4	21	20	5.0	*	*
East South Central	310	278	255	6,497	7,186	-9.6	2.0	2.2
Alabama.....	12	20	27	885	549	61.2	.8	.5
Kentucky.....	13	16	7	177	146	21.2	.2	.2
Mississippi.....	285	242	221	5,282	6,430	-17.8	16.9	22.3
Tennessee.....	—	—	—	152	61	150.3	.2	.1
West South Central	9,394	9,114	6,899	143,569	142,272	.9	33.4	33.7
Arkansas.....	22	31	111	2,246	3,086	-27.2	5.2	7.1
Louisiana.....	1,508	1,360	1,199	26,580	23,972	10.9	43.1	40.9
Oklahoma.....	1,062	828	610	12,556	13,465	-6.7	25.9	28.3
Texas.....	6,802	6,896	4,979	102,187	101,749	.4	36.9	37.4
Mountain	647	437	458	11,019	9,713	13.4	3.9	3.6
Arizona.....	60	30	26	2,065	1,712	20.6	2.6	2.4
Colorado.....	37	27	34	426	419	1.7	1.2	1.2
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1	2	6	32	38	-17.2	.1	.1
Nevada.....	362	164	171	5,021	4,468	12.4	22.0	20.9
New Mexico.....	179	205	211	3,210	2,773	15.7	10.5	9.4
Utah.....	NM	NM	NM	254	293	-13.3	.7	.9
Wyoming.....	1	1	1	10	9	16.3	*	*
Pacific Contiguous	2,856	2,265	1,692	38,056	32,934	15.6	13.9	12.2
California.....	2,595	2,090	1,642	36,340	30,768	18.1	32.4	26.8
Oregon.....	245	149	48	1,487	1,637	-9.1	3.0	3.4
Washington.....	16	25	2	229	529	-56.7	.2	.5
Pacific Noncontiguous	288	248	288	3,032	2,844	6.6	23.8	24.9
Alaska.....	288	248	288	3,032	2,844	6.6	46.5	57.1
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	18,858	17,017	12,414	283,603	262,730	7.9	9.1	8.5

* = 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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. *Negative generation denotes that electric power consumed for plant use exceeds gross generation. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding.

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

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

Census Division and State	December 1997	November 1997	December 1996	Year to Date				
				Hydroelectric Generation			Share of Total (percent)	
				1997	1996	Difference (percent)	1997	1996
New England.....	303	345	579	4,663	5,401	-13.7	6.4	7.3
Connecticut.....	30	27	79	413	530	-22.1	3.1	3.4
Maine.....	94	132	172	1,798	2,116	-15.0	55.6	27.1
Massachusetts.....	36	8	53	319	263	21.3	.9	.9
New Hampshire.....	74	89	146	1,165	1,426	-18.3	8.2	9.2
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	70	90	129	968	1,067	-9.3	17.9	21.3
Middle Atlantic.....	2,522	2,437	2,857	28,946	27,495	5.3	9.4	9.2
New Jersey.....	-12	-13	-7	-130	-114	NM	-5	-6
New York.....	2,396	2,311	2,606	27,917	25,970	7.5	26.0	24.9
Pennsylvania.....	138	139	259	1,159	1,639	-29.3	.7	.9
East North Central.....	289	280	323	3,958	4,105	-3.6	.8	.8
Illinois.....	2	2	NM	18	22	-20.7	*	*
Indiana.....	59	54	34	562	448	25.2	.5	.4
Michigan.....	43	12	72	715	840	-14.9	.8	.9
Ohio.....	57	56	24	507	392	29.3	.4	.3
Wisconsin.....	130	155	191	2,156	2,402	-10.2	4.4	4.7
West North Central.....	1,208	1,478	1,184	16,980	15,725	8.0	6.7	6.3
Iowa.....	76	64	82	808	918	-12.0	2.4	2.8
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	44	55	80	692	837	-17.3	1.7	2.0
Missouri.....	104	9	224	1,478	1,239	19.3	2.1	1.8
Nebraska.....	134	145	113	1,672	1,602	4.4	5.9	5.9
North Dakota.....	197	315	182	3,319	3,151	5.3	11.2	10.2
South Dakota.....	653	890	503	9,010	7,978	12.9	72.3	79.2
South Atlantic.....	973	797	1,570	12,857	15,364	-16.3	2.0	2.5
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	15	24	17	241	216	11.9	.2	.1
Georgia.....	406	328	407	4,374	4,936	-11.4	4.3	5.0
Maryland.....	149	165	289	1,588	2,457	-35.4	3.6	5.5
North Carolina.....	211	198	510	4,133	4,517	-8.5	3.9	4.4
South Carolina.....	197	107	212	2,078	2,231	-6.9	2.7	2.9
Virginia.....	-36	-61	93	66	510	-87.1	.1	.9
West Virginia.....	31	36	41	377	497	-24.1	.4	.6
East South Central.....	1,511	1,357	2,713	24,310	24,479	-7	7.3	7.6
Alabama.....	819	666	1,288	11,384	11,082	2.7	10.0	9.6
Kentucky.....	236	238	312	3,711	3,497	6.1	4.0	4.0
Mississippi.....	—	—	—	—	—	—	—	—
Tennessee.....	456	452	1,113	9,215	9,900	-6.9	9.8	11.2
West South Central.....	540	256	1,129	8,085	5,829	38.7	1.9	1.4
Arkansas.....	186	130	627	3,511	2,797	25.5	8.2	6.4
Louisiana.....	—	—	—	—	—	—	—	—
Oklahoma.....	284	77	396	2,824	2,078	35.9	5.8	4.4
Texas.....	70	49	107	1,750	954	83.5	.6	.4
Mountain.....	3,334	3,148	2,941	46,787	41,642	12.4	16.6	15.6
Arizona.....	958	870	671	12,400	9,480	30.8	15.9	13.4
Colorado.....	116	115	104	1,948	1,585	22.9	5.7	4.7
Idaho.....	866	800	781	13,497	12,231	10.4	100.0	100.0
Montana.....	1,033	1,046	1,108	13,347	13,741	-2.9	48.0	52.8
Nevada.....	185	150	138	2,567	2,143	19.8	11.2	10.0
New Mexico.....	14	11	2	259	212	22.3	.8	.7
Utah.....	114	113	77	1,389	1,019	36.3	4.1	3.2
Wyoming.....	48	43	59	1,381	1,232	12.1	3.4	3.0
Pacific Contiguous.....	13,483	11,642	15,393	189,716	186,648	1.6	69.3	69.2
California.....	2,000	1,772	3,863	39,842	44,057	-9.6	35.5	38.4
Oregon.....	3,618	3,181	4,055	46,240	44,513	3.9	93.7	93.0
Washington.....	7,865	6,689	7,475	103,633	98,079	5.7	87.9	87.1
Pacific Noncontiguous.....	101	97	108	1,048	1,284	-18.4	8.2	11.3
Alaska.....	NM	NM	106	1,029	1,266	-18.7	15.8	25.4
Hawaii.....	2	2	2	19	18	5.2	.3	.3
U.S. Total.....	24,264	21,837	28,798	337,350	327,970	2.9	10.8	10.7

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

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

Notes: *Values for 1997 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 1996 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 #1 #2 was 2,237 million kilowatthours. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding.

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

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

Census Division and State	December 1997	November 1997	December 1996	Year to Date				
				Nuclear Generation			Share of Total (percent)	
				1997	1996	Difference (percent)	1997	1996
New England	849	1,458	1,819	16,432	30,255	-45.7	22.5	40.6
Connecticut.....	-11	-10	-11	-125	6,225	NM	-9	39.5
Maine.....	—	—	91	—	5,062	—	—	64.9
Massachusetts.....	343	335	487	4,310	5,324	-19.0	12.7	19.2
New Hampshire.....	128	834	863	7,979	9,845	-18.9	55.9	63.8
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	389	299	389	4,267	3,799	12.3	79.1	75.9
Middle Atlantic	9,618	8,758	10,242	111,132	114,926	-3.3	36.0	38.4
New Jersey.....	1,617	1,241	1,260	13,908	11,028	26.1	58.6	55.7
New York.....	2,329	1,953	3,133	29,570	35,226	-16.1	27.5	33.8
Pennsylvania.....	5,672	5,564	5,849	67,655	68,672	-1.5	38.2	39.2
East North Central	7,406	6,837	8,913	92,229	120,644	-23.6	17.7	22.4
Illinois.....	3,868	3,440	5,435	51,069	69,774	-26.8	38.9	48.4
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	1,379	1,371	1,584	21,914	26,829	-18.3	24.4	28.2
Ohio.....	1,440	1,491	1,543	15,331	13,919	10.1	10.9	9.7
Wisconsin.....	719	535	351	3,916	10,121	-61.3	8.1	19.6
West North Central	3,756	2,554	4,071	41,622	42,571	-2.2	16.4	17.0
Iowa.....	393	382	370	4,149	3,924	5.7	12.2	11.8
Kansas.....	828	-17	886	8,430	8,205	2.7	22.3	20.6
Minnesota.....	979	712	1,169	10,819	12,095	-10.5	26.8	28.9
Missouri.....	625	583	735	8,955	8,890	.7	12.6	13.1
Nebraska.....	931	895	911	9,269	9,457	-2.0	32.6	34.6
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic	14,781	13,860	14,388	171,048	171,064	*	27.0	27.8
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	1,662	1,694	2,248	22,968	25,470	-9.8	15.6	17.5
Georgia.....	2,973	2,308	2,981	30,414	29,925	1.6	29.9	30.3
Maryland.....	1,295	1,247	1,285	13,213	12,093	9.3	29.7	27.2
North Carolina.....	3,022	2,450	3,380	32,453	33,718	-3.8	30.2	32.8
South Carolina.....	3,370	3,706	2,606	44,916	43,571	3.1	57.3	57.1
Virginia.....	2,459	2,456	1,888	27,084	26,286	3.0	46.0	46.5
West Virginia.....	—	—	—	—	—	—	—	—
East South Central	6,300	6,292	5,703	65,379	61,856	5.7	19.7	19.3
Alabama.....	2,819	2,816	2,407	29,639	29,708	-2	26.0	25.8
Kentucky.....	—	—	—	—	—	—	—	—
Mississippi.....	905	900	827	10,813	9,225	17.2	34.6	32.0
Tennessee.....	2,576	2,576	2,469	24,928	22,924	8.7	26.5	25.9
West South Central	5,855	5,133	5,952	65,077	64,888	.3	15.1	15.4
Arkansas.....	1,299	1,257	909	14,208	13,357	6.4	33.2	30.6
Louisiana.....	1,524	1,476	1,511	13,511	15,765	-14.3	21.9	26.9
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	3,032	2,400	3,532	37,358	35,767	4.4	13.5	13.1
Mountain	2,816	2,688	2,813	29,314	28,840	1.6	10.4	10.8
Arizona.....	2,816	2,688	2,813	29,314	28,840	1.6	37.6	40.7
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—
Pacific Contiguous	4,075	3,955	3,258	37,186	39,685	-6.3	13.6	14.7
California.....	3,231	3,137	2,407	30,512	34,097	-10.5	27.2	29.7
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	845	818	851	6,674	5,588	19.4	5.7	5.0
Pacific Noncontiguous	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	55,457	51,535	57,159	629,420	674,729	-6.7	20.1	21.9

* = 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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding.

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

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

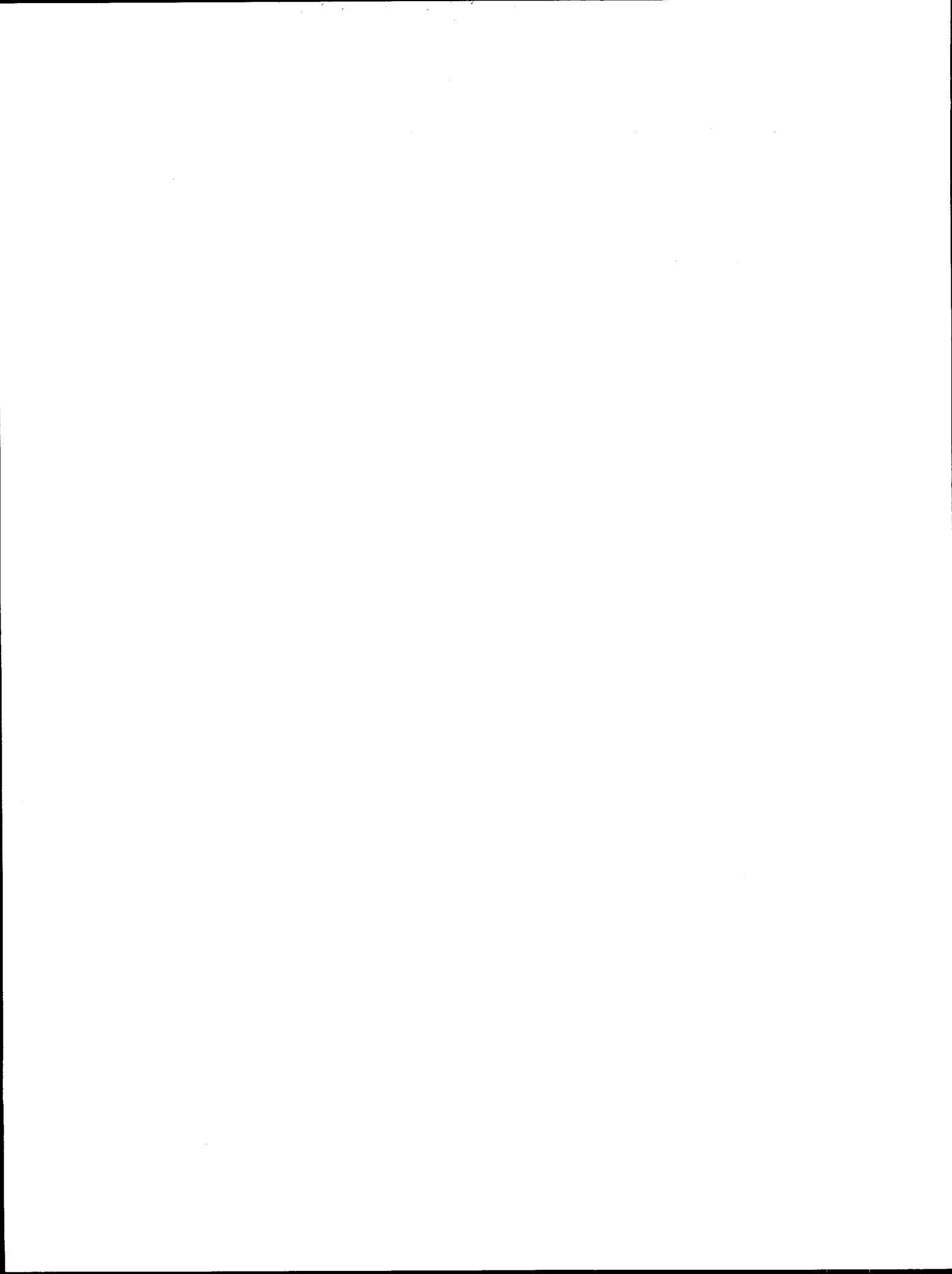
Census Division and State	December 1997	November 1997	December 1996	Year to Date				
				Other Generation			Share of Total (percent)	
				1997	1996	Difference (percent)	1997	1996
New England	—	—	—	—	—	—	—	—
Connecticut.....	41	41	41	451	437	3.3	3.4	2.8
Maine.....	*	*	—	*	1	NM	*	*
Massachusetts.....	—	—	—	—	—	—	—	—
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	10	18	7	150	135	11.2	2.8	2.7
Middle Atlantic	—	—	—	—	—	—	—	—
New Jersey.....	—	—	—	—	—	—	—	—
New York.....	*	1	5	18	40	-55.4	*	*
Pennsylvania.....	—	—	—	—	—	—	—	—
East North Central	—	—	—	—	—	—	—	—
Illinois.....	—	—	18	24	134	-82.3	*	.1
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	—	—	—	—	—
Ohio.....	—	—	—	—	—	—	—	—
Wisconsin.....	35	30	18	372	319	16.7	.8	.6
West North Central	—	—	—	—	—	—	—	—
Iowa.....	1	2	2	22	23	-1.2	.1	.1
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	38	36	32	429	422	1.7	1.1	1.0
Missouri.....	4	3	3	42	31	33.3	.1	*
Nebraska.....	—	—	1	1	12	-94.6	*	*
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	—	—	—	—	—	—	—	—
Arkansas.....	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	*	*	*	*	*	NM	*	*
Mountain	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	14	14	17	169	192	-12.2	.5	.6
Wyoming.....	—	—	—	—	—	—	—	—
Pacific Contiguous	—	—	—	—	—	—	—	—
California.....	512	472	448	5,431	5,110	6.3	4.8	4.5
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	27	28	38	359	360	-.4	.3	.3
Pacific Noncontiguous	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	682	645	630	7,468	7,214	3.5	.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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Other energy sources include geothermal, wood, wind, waste, and solar.

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



U.S. Electric Utility Consumption of Fossil Fuels

Table 14. U.S. Electric Utility Consumption of Fossil Fuels, 1987 Through December 1997

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		
1987.....	972	647,824	69,098	717,894	15,367	184,011	199,378	348	2,844,051
1988.....	1,063	681,048	76,260	758,372	18,769	229,327	248,096	409	2,635,613
1989.....	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.....									
January.....	75	64,253	7,103	71,431	1,057	5,955	7,012	64	198,669
February.....	82	57,970	5,729	63,782	1,316	10,457	11,773	61	168,274
March.....	83	57,795	5,692	63,569	907	4,276	5,183	52	245,111
April.....	77	53,889	5,144	59,110	918	4,673	5,591	36	228,889
May.....	86	57,067	5,502	62,655	1,133	6,121	7,255	59	257,620
June.....	72	62,422	6,849	69,342	1,195	6,262	7,457	68	297,007
July.....	67	72,082	7,539	79,688	1,879	10,507	12,385	57	406,758
August.....	79	76,043	7,599	83,720	2,853	11,446	14,299	80	468,021
September.....	87	61,631	6,906	68,624	903	6,964	7,867	66	316,096
October.....	86	59,747	6,492	66,326	932	4,747	5,680	74	239,680
November.....	93	60,843	6,249	67,185	1,051	4,812	5,863	83	197,926
December.....	93	66,206	7,275	73,574	1,421	10,364	11,785	62	172,457
Total.....	978	749,950	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	73,996	7,083	81,175	2,052	11,935	13,987	56	139,104
February.....	86	61,630	6,204	67,920	1,195	6,283	7,477	55	142,984
March.....	89	63,266	5,726	69,081	1,195	6,065	7,260	35	189,131
April.....	93	60,288	4,811	65,192	1,362	5,120	6,482	103	192,593
May.....	72	62,091	6,129	68,292	1,051	6,123	7,174	135	230,637
June.....	75	66,939	6,852	73,866	1,519	9,706	11,225	144	295,112
July.....	91	77,282	7,122	84,495	2,855	12,500	15,355	144	426,594
August.....	82	75,266	7,146	82,495	1,626	10,806	12,432	160	390,347
September.....	85	69,456	6,537	76,078	1,376	11,002	12,379	161	332,464
October.....	88	69,514	6,415	76,017	1,383	10,275	11,658	140	245,601
November.....	67	66,813	6,392	73,271	1,186	9,646	10,832	135	179,712
December.....	89	73,404	7,086	80,579	1,175	10,819	11,994	132	198,095
Total.....	1,013	819,943	77,504	898,460	17,975	110,279	128,254	1400	2,962,375
Year to Date									
1997.....	1,013	819,943	77,504	898,460	17,975	110,279	128,254	1400	2,962,375
1996.....	1,009	795,252	78,421	874,681	16,892	96,382	113,274	681	2,732,107
1995.....	978	749,950	78,078	829,007	15,565	86,584	102,150	761	3,196,507

¹ Includes anthracite silt stored off-site.

² Includes subbituminous coal.

Notes: •Values for 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final—see Technical Notes for adjustment methodology. Values for 1995 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Mcf=thousand cubic feet.

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

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

NERC Region and Hawaii	December 1997	November 1997	December 1996	Year to Date		
				1997	1996	Difference (percent)
ECAR.....	19,444	17,563	18,087	211,465	207,469	1.9
ERCOT.....	6,435	5,488	6,542	74,827	76,009	-1.6
MAAC.....	3,767	3,212	3,779	41,851	42,789	-2.2
MAIN.....	6,854	6,275	7,091	79,730	75,667	5.4
MAPP (U.S.).....	7,306	6,650	7,269	78,480	79,363	-1.1
NPCC (U.S.).....	1,776	1,599	1,273	18,879	14,955	26.2
SERC.....	13,949	12,781	14,458	157,306	175,077	-10.2
FRCC.....	2,081	1,917	—	24,561	—	NM
SPP.....	8,833	8,351	9,049	105,124	102,218	2.8
WSCC (U.S.).....	10,113	9,413	10,200	106,001	100,906	5.0
Contiguous U.S.	80,558	73,248	77,747	898,226	874,452	2.7
ASCC.....	21	23	22	235	229	2.5
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	80,579	73,271	77,769	898,460	874,681	2.7

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

Notes: *Values for 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. *Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. *See Glossary for explanation of acronyms.

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

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

NERC Region and Hawaii	December 1997	November 1997	December 1996	Year to Date		
				1997	1996	Difference (percent)
ECAR.....	161	225	299	2,807	3,149	-10.9
ERCOT.....	21	23	94	306	953	-67.8
MAAC.....	435	663	638	8,760	11,669	-24.9
MAIN.....	69	209	295	1,385	1,944	-28.7
MAPP (U.S.).....	40	52	53	860	611	40.8
NPCC (U.S.).....	6,626	4,644	4,339	49,770	37,507	32.7
SERC.....	142	234	2,468	3,446	40,438	-91.5
FRCC.....	2,616	2,578	—	39,383	—	NM
SPP.....	749	1,008	539	5,805	3,151	84.3
WSCC (U.S.).....	119	100	286	785	1,701	-53.8
Contiguous U.S.	10,979	9,737	9,011	113,310	101,123	12.1
ASCC.....	155	232	183	4,151	1,171	254.6
Hawaii.....	859	863	879	10,793	10,980	-1.7
U.S. Total.....	11,994	10,832	10,073	128,254	113,274	13.2

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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. *See Glossary for explanation of acronyms.

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

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

NERC Region and Hawaii	December 1997	November 1997	December 1996	Year to Date		
				1997	1996	Difference (percent)
ECAR.....	3,496	3,816	3,373	43,925	41,273	6.4
ERCOT.....	55,868	58,032	40,137	857,245	830,921	3.2
MAAC.....	1,812	2,589	1,924	63,753	64,553	-1.2
MAIN.....	5,518	4,397	1,236	61,617	33,887	81.8
MAPP (U.S.).....	564	639	870	16,046	12,866	24.7
NPCC (U.S.).....	19,899	19,475	8,978	306,593	223,322	37.3
SERC.....	4,171	3,839	16,659	77,039	344,097	-77.6
FRCC.....	21,496	14,157	—	293,374	—	NM
SPP.....	44,955	41,180	32,685	694,262	702,257	-1.1
WSCC (U.S.).....	37,295	28,914	23,493	515,016	447,778	15.0
Contiguous U.S.....	195,074	177,037	129,353	2,928,870	2,700,953	8.4
ASCC.....	3,021	2,676	3,019	33,505	31,154	7.5
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	198,095	179,712	132,372	2,962,375	2,732,107	8.4

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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •See Glossary for explanation of acronyms.

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

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

Census Division and State	December 1997	November 1997	December 1996	Year to Date		
				1997	1996	Difference (percent)
New England	761	626	564	7,576	6,701	13.1
Connecticut.....	97	84	92	1,058	925	14.3
Maine.....	—	—	—	—	—	—
Massachusetts.....	506	412	373	4,866	4,406	10.4
New Hampshire.....	158	130	99	1,652	1,369	20.7
Rhode Island.....	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—
Middle Atlantic	4,915	4,412	4,451	54,158	51,718	4.7
New Jersey.....	289	258	232	2,831	2,387	18.6
New York.....	784	811	703	8,725	8,254	5.7
Pennsylvania.....	3,842	3,344	3,516	42,601	41,076	3.7
East North Central	18,375	16,721	18,061	203,953	198,900	2.5
Illinois.....	3,645	3,413	3,620	41,032	38,090	7.7
Indiana.....	4,961	4,614	4,565	54,686	52,855	3.5
Michigan.....	2,766	2,607	2,948	31,932	32,175	-.8
Ohio.....	5,029	4,238	4,747	52,730	53,543	-1.5
Wisconsin.....	1,973	1,848	2,181	23,573	22,236	6.0
West North Central	10,850	10,151	10,999	123,984	122,419	1.3
Iowa.....	1,588	1,369	1,512	18,194	17,864	1.8
Kansas.....	1,265	1,347	1,649	17,533	18,853	-7.0
Minnesota.....	1,638	1,615	1,748	17,491	17,459	.2
Missouri.....	2,972	2,822	2,959	35,194	33,059	6.5
Nebraska.....	917	795	735	10,796	10,091	7.0
North Dakota.....	2,277	2,012	2,234	22,754	23,640	-3.7
South Dakota.....	192	190	162	2,023	1,453	39.2
South Atlantic	13,821	12,641	12,523	155,499	149,354	4.1
Delaware.....	131	126	151	1,685	1,787	-5.7
District of Columbia.....	—	—	—	—	—	—
Florida.....	2,268	2,123	2,291	27,371	27,172	.7
Georgia.....	2,473	2,398	2,197	30,635	29,171	5.0
Maryland.....	925	780	872	10,416	10,540	-1.2
North Carolina.....	2,629	2,329	2,072	27,205	25,083	8.5
South Carolina.....	1,078	1,054	1,008	12,096	11,833	2.2
Virginia.....	1,086	925	1,044	11,605	10,994	5.6
West Virginia.....	3,233	2,905	2,890	34,486	32,775	5.2
East South Central	8,917	8,107	7,994	99,563	96,809	2.8
Alabama.....	2,694	2,603	2,662	30,840	31,216	-1.2
Kentucky.....	3,426	3,070	2,848	38,226	37,072	3.1
Mississippi.....	545	481	536	6,034	5,558	8.6
Tennessee.....	2,252	1,953	1,948	24,463	22,964	6.5
West South Central	12,329	10,730	12,243	142,610	140,493	1.5
Arkansas.....	1,121	944	1,226	13,771	14,467	-4.8
Louisiana.....	1,272	1,103	1,159	13,807	12,450	10.9
Oklahoma.....	1,607	1,537	1,707	20,101	19,386	3.7
Texas.....	8,329	7,146	8,151	94,931	94,189	.8
Mountain	9,749	9,232	10,078	105,244	101,507	3.7
Arizona.....	1,666	1,448	1,508	17,503	16,117	8.6
Colorado.....	1,643	1,521	1,573	17,131	16,841	1.7
Idaho.....	—	—	—	—	—	—
Montana.....	877	831	1,014	9,286	7,897	17.6
Nevada.....	585	741	807	7,261	7,424	-2.2
New Mexico.....	1,514	1,265	1,546	15,816	15,215	4.0
Utah.....	1,257	1,238	1,306	14,252	13,584	4.9
Wyoming.....	2,208	2,188	2,325	23,996	24,430	-1.8
Pacific Contiguous	841	629	833	5,638	6,551	-13.9
California.....	—	—	—	—	—	—
Oregon.....	230	142	227	868	1,044	-16.9
Washington.....	611	487	606	4,770	5,507	-13.4
Pacific Noncontiguous	21	23	22	235	229	2.5
Alaska.....	21	23	22	235	229	2.5
Hawaii.....	—	—	—	—	—	—
U.S. Total	80,579	73,271	77,769	898,460	874,681	2.7

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

Notes: •Values for 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite.

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

Table 19. Electric Utility Consumption of Petroleum by Census Division and State
(Thousand Barrels)

Census Division and State	December 1997	November 1997	December 1996	Year to Date		
				1997	1996	Difference (percent)
New England	4,820	3,009	2,640	35,958	21,509	67.2
Connecticut.....	1,918	1,038	1,230	14,080	9,029	55.9
Maine.....	388	347	83	2,513	1,154	117.8
Massachusetts.....	2,144	1,476	1,150	17,428	9,727	79.2
New Hampshire.....	366	147	176	1,879	1,508	24.5
Rhode Island.....	2	2	1	28	75	-62.5
Vermont.....	NM	NM	NM	29	16	81.2
Middle Atlantic	2,005	1,840	2,006	18,026	22,581	-20.2
New Jersey.....	53	23	21	704	1,182	-40.5
New York.....	1,812	1,635	1,699	13,839	15,998	-13.5
Pennsylvania.....	141	182	286	3,483	5,401	-35.5
East North Central	182	380	518	3,619	4,354	-16.9
Illinois.....	55	196	280	1,134	1,732	-34.5
Indiana.....	19	20	24	312	353	-11.8
Michigan.....	45	96	157	1,333	1,524	-12.5
Ohio.....	47	60	45	575	584	-1.6
Wisconsin.....	15	8	12	266	161	65.4
West North Central	67	85	124	1,237	1,096	12.8
Iowa.....	4	12	14	250	134	86.9
Kansas.....	13	17	53	252	331	-23.7
Minnesota.....	5	6	8	177	141	25.3
Missouri.....	23	23	25	307	256	20.0
Nebraska.....	7	9	6	74	47	58.3
North Dakota.....	13	18	16	153	155	-1.4
South Dakota.....	2	*	2	23	33	-29.9
South Atlantic	2,973	3,216	2,744	47,096	45,065	4.5
Delaware.....	83	119	149	1,426	1,969	-27.6
District of Columbia.....	2	14	27	196	290	-32.4
Florida.....	2,614	2,579	2,093	39,388	36,872	6.8
Georgia.....	16	15	31	450	640	-29.6
Maryland.....	161	329	169	3,016	2,903	3.9
North Carolina.....	52	55	102	466	569	-18.1
South Carolina.....	14	38	54	456	306	49.0
Virginia.....	13	53	80	1,407	1,163	20.9
West Virginia.....	17	14	40	291	353	-17.4
East South Central	650	936	514	4,952	2,860	73.1
Alabama.....	24	29	22	229	299	-23.5
Kentucky.....	33	28	30	265	308	-14.0
Mississippi.....	578	832	386	4,084	1,792	127.9
Tennessee.....	15	47	76	374	460	-18.7
West South Central	161	168	175	1,610	1,909	-15.7
Arkansas.....	8	2	24	127	179	-28.9
Louisiana.....	116	142	37	1,110	507	119.1
Oklahoma.....	13	*	1	30	217	-86.1
Texas.....	25	25	113	343	1,007	-65.9
Mountain	46	29	44	454	601	-24.4
Arizona.....	8	5	21	110	123	-10.8
Colorado.....	3	1	6	40	51	-21.7
Idaho.....	*	—	*	*	*	NM
Montana.....	3	4	2	39	41	-3.7
Nevada.....	15	4	2	68	177	-61.4
New Mexico.....	5	3	1	42	43	-3.9
Utah.....	2	5	4	51	55	-7.2
Wyoming.....	10	7	7	104	110	-5.5
Pacific Contiguous	76	73	245	377	1,148	-67.2
California.....	74	69	240	317	1,122	-71.8
Oregon.....	1	2	2	22	10	114.1
Washington.....	1	1	4	39	16	135.2
Pacific Noncontiguous	1,013	1,094	1,063	14,925	12,151	22.8
Alaska.....	NM	NM	184	4,142	1,171	253.8
Hawaii.....	858	862	879	10,783	10,980	-1.8
U.S. Total	11,994	10,832	10,073	128,254	113,274	13.2

* = 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 1997 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 1996 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 #1 #2 petroleum coke consumption was #5 short tons.

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

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

Census Division and State	December 1997	November 1997	December 1996	Year to Date		
				1997	1996	Difference (percent)
New England	5,604	7,139	3,865	95,504	80,645	18.4
Connecticut.....	555	1,448	131	16,351	10,454	56.4
Maine.....	—	—	—	—	—	—
Massachusetts.....	2,409	3,175	1,564	51,331	45,091	13.8
New Hampshire.....	34	26	*	624	3	18663.7
Rhode Island.....	2,602	2,488	2,167	27,163	25,072	8.3
Vermont.....	4	2	3	36	24	47.5
Middle Atlantic	15,181	13,859	5,836	247,937	175,735	41.1
New Jersey.....	552	1,340	445	29,539	25,822	14.4
New York.....	14,264	12,308	5,109	211,026	142,674	47.9
Pennsylvania.....	365	212	282	7,371	7,238	1.8
East North Central	8,848	7,964	4,451	102,623	72,482	41.6
Illinois.....	5,070	3,947	547	45,100	25,728	75.3
Indiana.....	137	212	237	4,659	4,355	7.0
Michigan.....	3,051	3,159	2,854	33,559	32,174	4.3
Ohio.....	120	243	108	3,456	2,897	19.3
Wisconsin.....	469	402	705	15,850	7,328	116.3
West North Central	2,733	3,370	1,519	48,003	40,011	20.0
Iowa.....	219	265	228	4,360	3,367	29.5
Kansas.....	1,972	2,455	NM	25,577	23,108	10.7
Minnesota.....	112	139	419	6,118	5,296	15.5
Missouri.....	313	342	69	7,518	5,201	44.5
Nebraska.....	34	78	81	2,697	2,311	16.7
North Dakota.....	—	—	*	1	3	-58.5
South Dakota.....	83	90	35	1,731	725	138.9
South Atlantic	23,375	15,816	14,824	347,112	334,169	3.9
Delaware.....	699	681	1,048	16,095	23,370	-31.1
District of Columbia.....	—	—	—	—	—	—
Florida.....	21,510	14,152	13,125	294,401	283,545	3.8
Georgia.....	49	124	43	7,335	4,733	55.0
Maryland.....	209	364	211	11,009	8,453	30.2
North Carolina.....	3	25	1	4,513	2,381	89.6
South Carolina.....	35	112	20	2,732	1,205	126.6
Virginia.....	857	356	333	10,808	10,276	5.2
West Virginia.....	11	2	43	219	205	6.8
East South Central	4,818	4,545	4,045	86,921	91,797	-5.3
Alabama.....	87	295	291	9,998	6,145	62.7
Kentucky.....	158	190	82	2,194	1,836	19.5
Mississippi.....	4,573	4,060	3,672	73,093	83,245	-12.2
Tennessee.....	—	—	—	1,636	571	186.3
West South Central	98,107	95,622	71,578	1,488,537	1,461,381	1.9
Arkansas.....	NM	NM	1,226	25,122	33,996	-26.1
Louisiana.....	16,782	14,538	12,922	277,222	252,132	10.0
Oklahoma.....	11,453	8,271	6,092	129,442	136,069	-4.9
Texas.....	69,575	72,433	51,338	1,056,751	1,039,184	1.7
Mountain	7,040	5,009	5,698	118,158	106,109	11.4
Arizona.....	752	399	443	23,389	19,245	21.5
Colorado.....	454	388	452	5,583	5,488	1.7
Idaho.....	—	—	—	—	—	—
Montana.....	21	30	72	420	470	-10.7
Nevada.....	3,648	1,803	2,311	51,786	46,764	10.7
New Mexico.....	1,998	2,224	2,244	33,380	29,969	11.4
Utah.....	NM	NM	NM	3,506	4,086	-14.2
Wyoming.....	15	15	6	95	87	8.4
Pacific Contiguous	29,369	23,713	17,538	394,070	338,622	16.4
California.....	27,270	22,422	17,183	379,001	318,021	19.2
Oregon.....	1,912	1,072	334	12,451	14,012	-11.1
Washington.....	187	220	21	2,618	6,588	-60.3
Pacific Noncontiguous	3,020	2,674	3,019	33,510	31,156	7.6
Alaska.....	3,020	2,674	3,019	33,510	31,156	7.6
Hawaii.....	—	—	—	—	—	—
U.S. Total	198,095	179,712	132,372	2,962,375	2,732,107	8.4

* = 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: •Estimates for 1997 are preliminary and for 1996 are final. Data for 1995 and prior year are final. •As of 1996, values are estimates based on a cutoff model sample of electric utilities with at least one generating plant of 25 megawatts or more, all nonhydroelectric plants that use renewable fuel sources, and all nuclear plants. See the Technical Notes for a detailed description of the estimation procedure. •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, 1987 Through December 1997

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)
	Anthracite ¹	Bituminous ²	Lignite	Total	Light	Heavy	Total	
1987	6,940	156,670	7,187	170,797	15,759	55,069	70,827	51
1988	6,561	133,434	6,512	146,507	15,099	54,187	69,285	86
1989	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								
January	4,849	114,978	6,309	126,136	16,298	45,036	61,334	75
February	4,791	118,668	6,286	129,745	16,016	39,922	55,937	95
March	4,748	124,915	6,115	135,778	15,608	41,032	56,641	128
April	4,711	131,439	6,215	142,365	15,447	38,859	54,306	162
May	4,656	136,845	6,369	147,869	15,574	38,280	53,854	173
June	4,634	132,567	6,184	143,385	15,793	39,810	55,603	144
July	4,608	119,991	5,712	130,311	15,589	37,561	53,151	117
August	4,591	111,183	5,412	121,185	15,454	35,135	50,589	98
September	4,551	113,604	5,073	123,227	15,340	37,397	52,737	90
October	4,514	117,156	5,145	126,814	15,569	37,861	53,429	71
November	4,396	120,042	5,238	129,676	15,466	38,916	54,383	42
December	4,325	116,749	5,231	126,304	15,392	35,102	50,495	65
1996 ^R								
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	96,538	4,969	105,116	14,862	29,727	44,590	136
February	3,544	98,810	5,391	107,745	14,876	31,282	46,157	159
March	3,479	103,827	5,599	112,904	14,836	31,462	46,298	177
April	3,417	109,162	5,723	118,302	14,476	32,554	47,030	221
May	3,374	114,519	5,893	123,786	14,612	33,173	47,785	253
June	3,323	112,209	5,757	121,289	14,716	32,148	46,864	229
July	3,275	100,948	5,790	110,013	14,698	31,009	45,707	308
August	3,228	95,402	5,683	104,313	14,726	30,891	45,617	293
September	3,166	93,795	5,547	102,508	14,926	29,082	44,008	308
October	3,118	94,459	6,012	103,589	14,964	30,211	45,175	439
November	3,075	92,120	5,093	100,289	15,112	32,064	47,176	450
December	3,021	90,340	4,900	98,261	15,212	33,358	48,570	469

¹ Anthracite includes anthracite silt stored off-site.

² Bituminous coal includes subbituminous coal.

^R Revised data.

Notes: •Values for 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1995 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Prior to 1993, values represent December end-of-month stocks. For 1993 forward, values represent end-of-month stocks.

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

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

NERC Region and Hawaii	December 1997	November 1997	December ^R 1996	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	26,482	26,882	26,002	-1.5	1.8
ERCOT.....	4,392	4,426	7,331	-.8	-40.1
MAAC.....	7,981	8,391	9,015	-4.9	-11.5
MAIN.....	11,268	10,910	11,298	3.3	-.3
MAPP (U.S.).....	8,996	9,077	11,079	-.9	-18.8
NPCC (U.S.).....	1,847	2,035	2,141	-9.2	-13.8
SERC.....	13,161	13,823	18,480	-4.8	-28.8
FRCC.....	3,226	3,177	—	1.6	NM
SPP.....	10,747	10,712	17,885	.3	-39.9
WSCC (U.S.).....	10,160	10,857	11,391	-6.4	-10.8
Contiguous U.S.....	98,261	100,288	114,623	-2.0	-14.3
ASCC.....	*	1	1	NM	NM
Hawaii.....	—	—	—	—	—
U.S. Total.....	98,261	100,289	114,623	-2.0	-14.3

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

^R Revised data.

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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Stocks are end-of-month stocks at electric utilities. •See Glossary for explanation of acronyms.

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

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

NERC Region and Hawaii	December 1997	November 1997	December ^R 1996	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	1,586	1,559	1,457	1.8	8.9
ERCOT.....	4,338	4,257	4,080	1.9	6.3
MAAC.....	5,743	5,325	5,554	7.8	3.4
MAIN.....	1,298	1,294	1,184	.3	9.7
MAPP (U.S.).....	814	749	609	8.6	33.5
NPCC (U.S.).....	11,734	11,807	11,736	-.6	*
SERC.....	3,243	3,324	10,631	-2.4	-69.5
FRCC.....	7,627	6,919	—	10.2	NM
SPP.....	4,331	3,988	3,626	8.6	19.5
WSCC (U.S.).....	6,639	6,807	7,490	-2.5	-11.4
Contiguous U.S.....	47,354	46,029	46,367	2.9	2.1
ASCC.....	199	200	284	-.6	-30.0
Hawaii.....	1,017	946	1,038	7.5	-2.1
U.S. Total.....	48,570	47,176	47,690	3.0	1.8

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

^R Revised data.

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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •Stocks are end-of-month stocks at electric utilities. •See Glossary for explanation of acronyms.

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

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

Census Division and State	December 1997	November 1997	December R 1996	Monthly Difference (percent)	Yearly Difference (percent)
New England	753	959	1,236	-21.4	-39.0
Connecticut	66	95	173	-30.4	-61.8
Maine	—	—	—	—	—
Massachusetts	389	537	704	-27.6	-44.7
New Hampshire	298	327	359	-8.7	-17.0
Rhode Island	—	—	—	—	—
Vermont	—	—	—	—	—
Middle Atlantic	9,175	9,570	9,606	-4.1	-4.5
New Jersey	566	582	824	-2.8	-31.3
New York	819	761	905	7.6	-9.5
Pennsylvania	7,790	8,227	7,878	-5.3	-1.1
East North Central	27,629	27,304	27,618	1.2	*
Illinois	4,827	4,761	4,578	1.4	5.4
Indiana	5,403	5,449	7,103	-8	-23.9
Michigan	7,222	6,830	6,530	5.7	10.6
Ohio	6,057	6,308	5,229	-4.0	15.8
Wisconsin	4,119	3,956	4,178	4.1	-1.4
West North Central	13,706	13,394	17,107	2.3	-19.9
Iowa	2,447	2,529	4,042	-3.2	-39.5
Kansas	2,282	1,954	2,968	16.8	-23.1
Minnesota	1,737	1,640	1,461	5.9	18.9
Missouri	3,669	3,722	5,159	-1.4	-28.9
Nebraska	1,596	1,512	1,691	5.6	-5.6
North Dakota	1,755	1,838	1,642	-4.5	6.8
South Dakota	220	198	143	11.2	53.6
South Atlantic	16,140	16,856	18,662	-4.2	-13.5
Delaware	319	293	322	8.6	-1.1
District of Columbia	—	—	—	—	—
Florida	3,440	3,354	3,349	2.6	2.7
Georgia	2,278	2,349	3,727	-3.0	-38.9
Maryland	1,188	1,160	1,346	2.4	-11.7
North Carolina	1,911	2,259	2,559	-15.4	-25.3
South Carolina	1,809	1,916	1,979	-5.6	-8.6
Virginia	1,152	1,163	1,010	-9	14.1
West Virginia	4,042	4,362	4,370	-7.3	-7.5
East South Central	9,306	9,575	8,514	-2.8	9.3
Alabama	2,609	2,712	2,526	-3.8	3.3
Kentucky	4,453	4,618	4,119	-3.6	8.1
Mississippi	614	572	602	7.4	1.9
Tennessee	1,630	1,674	1,266	-2.6	28.8
West South Central	10,933	11,305	19,525	-3.3	-44.0
Arkansas	934	968	2,701	-3.5	-65.4
Louisiana	1,248	1,386	2,470	-10.0	-49.5
Oklahoma	2,516	2,464	4,067	2.1	-38.1
Texas	6,235	6,487	10,287	-3.9	-39.4
Mountain	9,666	10,178	11,304	-5.0	-14.5
Arizona	1,386	1,547	1,992	-10.4	-30.4
Colorado	2,457	2,701	3,027	-9.0	-18.8
Idaho	—	—	—	—	—
Montana	410	442	508	-7.3	-19.4
Nevada	812	930	1,239	-12.7	-34.5
New Mexico	795	801	815	-8	-2.6
Utah	2,309	2,274	1,526	1.5	51.3
Wyoming	1,498	1,483	2,197	1.1	-31.8
Pacific Contiguous	951	1,147	1,051	-17.1	-9.5
California	—	—	—	—	—
Oregon	83	128	203	-35.2	-59.0
Washington	868	1,019	848	-14.8	2.3
Pacific Noncontiguous	*	1	1	NM	NM
Alaska	*	1	1	NM	NM
Hawaii	—	—	—	—	—
U.S. Total	98,261	100,289	114,623	-2.0	-14.3

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

R Revised data.

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 1997 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 1996 have been adjusted to reflect the Form EIA-759 census data and are final. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. *Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. *Stocks are end-of-month stocks at electric utilities.

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

Table 25. Electric Utility Stocks of Petroleum by Census Division and State
(Thousand Barrels)

Census Division and State	December 1997	November 1997	December R 1996	Monthly Difference (percent)	Yearly Difference (percent)
New England	4,496	4,743	4,618	-5.2	-2.7
Connecticut.....	1,807	2,285	1,756	-20.9	2.9
Maine.....	265	398	592	-33.4	-55.3
Massachusetts.....	1,995	1,738	1,660	14.8	20.1
New Hampshire.....	375	265	476	41.7	-21.2
Rhode Island.....	16	16	25	*	-34.4
Vermont.....	NM	NM	NM	-9.1	-65.4
Middle Atlantic	10,685	10,403	10,855	2.7	-1.6
New Jersey.....	1,628	1,491	1,780	9.2	-8.5
New York.....	7,239	7,067	7,117	2.4	1.7
Pennsylvania.....	1,818	1,845	1,958	-1.4	-7.1
East North Central	2,552	2,537	2,257	.6	13.1
Illinois.....	1,057	1,057	964	*	9.6
Indiana.....	129	124	111	4.2	16.5
Michigan.....	648	608	642	6.6	1.0
Ohio.....	411	430	326	-4.6	25.8
Wisconsin.....	308	318	214	-3.2	43.8
West North Central	1,591	1,411	1,361	12.8	16.9
Iowa.....	221	165	143	33.8	54.6
Kansas.....	573	492	515	16.4	11.3
Minnesota.....	160	160	129	.1	24.0
Missouri.....	358	322	317	10.9	12.9
Nebraska.....	142	142	135	-3	5.3
North Dakota.....	44	34	34	28.1	29.8
South Dakota.....	94	95	89	-1.1	6.2
South Atlantic	12,827	11,779	11,846	8.9	8.3
Delaware.....	704	516	429	36.4	63.9
District of Columbia.....	117	118	106	-5	10.8
Florida.....	7,636	6,928	7,236	10.2	5.5
Georgia.....	569	573	619	-7	-8.2
Maryland.....	1,527	1,409	1,345	8.4	13.5
North Carolina.....	342	344	369	-5	-7.3
South Carolina.....	447	405	260	10.4	71.8
Virginia.....	1,335	1,340	1,353	-3	-1.3
West Virginia.....	150	148	128	1.6	16.8
East South Central	2,048	1,930	1,925	6.2	6.4
Alabama.....	254	257	225	-1.1	12.9
Kentucky.....	205	205	195	-4	4.8
Mississippi.....	1,344	1,115	995	20.5	35.0
Tennessee.....	246	352	510	-30.2	-51.7
West South Central	6,552	6,460	6,053	1.4	8.2
Arkansas.....	253	257	243	-1.6	4.2
Louisiana.....	1,299	1,286	1,125	1.0	15.5
Oklahoma.....	389	385	368	1.0	5.6
Texas.....	4,611	4,532	4,317	1.8	6.8
Mountain	929	901	934	3.2	-5
Arizona.....	420	412	431	2.0	-2.5
Colorado.....	142	134	127	5.6	12.0
Idaho.....	*	*	*	NM	NM
Montana.....	18	17	14	6.0	30.5
Nevada.....	215	206	239	4.2	-10.1
New Mexico.....	74	82	79	-9.0	-5.7
Utah.....	25	25	22	.6	14.9
Wyoming.....	35	24	23	43.6	51.3
Pacific Contiguous	5,674	5,867	6,518	-3.3	-12.9
California.....	5,413	5,618	6,101	-3.6	-11.3
Oregon.....	199	198	221	.4	-10.1
Washington.....	62	51	196	20.4	-68.5
Pacific Noncontiguous	1,215	1,146	1,322	6.1	-8.1
Alaska.....	NM	NM	NM	-6	-30.0
Hawaii.....	1,016	946	1,038	7.5	-2.1
U.S. Total	48,570	47,176	47,690	3.0	1.8

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

R Revised data.

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 1997 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 1996 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 #1 #2 petroleum coke stocks were #6 short tons. •Stocks are end-of-month stocks at electric utilities.

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

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

November 1997 Receipts and Cost Data

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

Table 26. U.S. Electric Utility Receipts of and Average Cost for Fossil Fuels, 1987 Through November 1997

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)			
1987.....	721,298	150.6	187,300	297.6	194,578	301.1	2,605,191	224.0	170.5
1988.....	727,775	146.6	230,234	240.5	236,924	243.9	2,362,721	226.3	164.3
1989.....	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									
January.....	70,206	133.1	5,565	273.1	6,113	282.7	188,545	209.2	145.4
February.....	65,789	133.5	6,150	256.2	6,535	263.1	163,665	197.1	143.7
March.....	69,059	133.8	5,040	258.9	5,448	267.4	233,533	189.0	144.3
April.....	66,167	133.7	2,849	266.2	3,221	280.3	222,256	194.5	144.1
May.....	68,564	133.7	5,864	279.0	6,213	285.8	245,676	202.1	147.3
June.....	64,543	133.3	8,476	274.3	9,083	282.0	281,987	202.8	150.4
July.....	67,734	130.4	8,367	250.8	8,838	257.2	376,158	186.1	146.1
August.....	73,242	130.9	9,284	237.0	10,029	247.7	424,284	179.4	145.1
September.....	70,938	131.8	9,036	234.7	9,432	241.3	302,928	189.5	145.1
October.....	70,140	129.6	5,553	242.5	6,060	253.8	228,644	204.1	142.6
November.....	70,196	130.2	4,773	250.5	5,414	268.8	189,641	218.9	143.3
December.....	70,281	127.7	7,259	295.8	7,905	305.7	166,010	255.3	146.1
Total.....	826,860	131.8	78,216	258.6	84,292	267.9	3,023,327	198.4	145.3
1996 ⁴									
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	364,542	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.....	71,900	128.0	8,811	305.7	9,652	321.0	133,193	405.8	157.5
February.....	69,089	129.0	8,958	287.5	9,346	295.3	134,946	315.5	150.9
March.....	72,678	129.8	6,796	267.2	7,164	276.3	185,304	237.1	145.4
April.....	69,695	129.8	6,379	254.9	6,730	264.8	184,936	230.2	144.5
May.....	74,909	128.0	6,476	257.1	6,967	270.5	225,899	246.9	146.6
June.....	70,623	128.0	9,253	262.9	10,039	274.4	278,021	254.0	153.2
July.....	74,065	125.8	10,800	269.8	11,670	280.4	373,638	243.9	154.6
August.....	76,342	125.2	10,994	268.2	11,563	275.4	359,977	252.7	154.1
September.....	75,054	126.3	8,820	274.5	9,274	281.2	313,129	290.5	158.3
October.....	75,583	126.3	9,996	301.3	10,549	309.0	219,535	324.3	156.8
November.....	72,558	126.3	12,218	309.3	12,818	315.4	168,754	342.4	156.3
Total.....	802,496	127.5	99,500	280.2	105,773	289.5	2,577,333	276.0	152.7
Year-to-Date									
1997 ⁴	802,496	127.5	99,500	280.2	105,773	289.5	2,577,333	276.0	152.7
1996 ⁴	790,176	129.0	90,828	300.3	97,668	312.0	2,475,792	257.4	151.5
1995.....	756,579	132.2	70,957	254.8	76,387	264.0	2,857,317	195.1	145.2

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 1997 are preliminary. Data for 1996 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 1987-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. *Mcf=thousand cubic feet. *Monetary values are expressed in nominal terms.

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

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

NERC Region and Hawaii	November 1997 ¹	October 1997 ¹	November 1996 ¹	Year to Date		
				1997 ¹	1996 ¹	Difference (percent)
ECAR.....	18,088	18,272	16,523	188,626	183,711	2.7
ERCOT.....	6,201	6,106	6,321	70,735	73,755	-4.1
MAAC.....	3,464	4,066	3,728	40,798	39,955	2.1
MAIN.....	6,127	6,585	6,525	73,236	69,371	5.6
MAPP (U.S.).....	5,706	5,786	5,931	65,184	66,187	-1.5
NPCC (U.S.).....	1,477	1,387	1,220	14,030	13,539	3.6
SERC.....	12,512	13,895	14,245	142,715	160,096	-10.9
FRCC.....	1,988	2,213	—	22,758	—	NM
SPP.....	7,581	7,305	7,242	85,011	89,282	-4.8
WSCC (U.S.).....	9,414	9,967	9,641	99,403	94,280	5.4
Contiguous U.S.	72,558	75,583	71,375	802,496	790,176	1.6
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	72,558	75,583	71,375	802,496	790,176	1.6

¹ Data for 1997 are preliminary. Data for 1996 are final.

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

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

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

Table 28. Average Cost of Coal Delivered to Electric Utilities by NERC Region and Hawaii
(Cents/Million Btu)

NERC Region and Hawaii	November 1997 ¹	October 1997 ¹	November 1996 ¹	Year to Date		
				1997 ¹	1996 ¹	Difference (percent)
ECAR.....	124.4	125.8	125.0	124.5	126.6	-1.6
ERCOT.....	117.2	111.6	121.5	112.8	116.9	-3.5
MAAC.....	138.2	136.6	143.3	139.3	142.1	-2.0
MAIN.....	134.2	126.7	133.9	135.0	137.4	-1.7
MAPP (U.S.).....	86.3	92.4	85.1	89.5	90.0	-.5
NPCC (U.S.).....	156.0	149.1	154.2	155.5	155.4	.1
SERC.....	140.2	139.8	147.3	140.4	146.5	-4.1
FRCC.....	166.0	167.2	—	170.0	—	NM
SPP.....	122.6	122.2	124.6	123.9	123.4	.4
WSCC (U.S.).....	107.7	108.5	109.8	113.4	114.2	-.8
Contiguous U.S.	126.3	126.3	127.9	127.5	129.0	-1.2
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
U.S. Average.....	126.3	126.3	127.9	127.5	129.0	-1.2

¹ Data for 1997 are preliminary. Data for 1996 are final.

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

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

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

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

NERC Region and Hawaii	November 1997 ¹	October 1997 ¹	November 1996 ¹	Year to Date		
				1997 ¹	1996 ¹	Difference (percent)
ECAR.....	314	310	303	2,604	2,548	2.2
ERCOT.....	71	146	98	392	402	-2.6
MAAC.....	851	1,043	931	7,603	11,355	-33.0
MAIN.....	67	20	285	971	1,229	-21.0
MAPP (U.S.).....	20	27	28	262	280	-6.5
NPCC (U.S.).....	6,706	3,296	3,090	43,988	33,835	30.0
SERC.....	436	87	1,952	2,447	37,316	-93.4
FRCC.....	2,768	4,289	—	35,635	—	NM
SPP.....	946	723	53	4,901	1,956	150.6
WSCC (U.S.).....	20	21	16	327	386	-15.3
Contiguous U.S.....	12,199	9,961	6,757	99,131	89,305	11.0
ASCC.....	—	—	—	—	—	—
Hawaii.....	619	589	403	6,642	8,363	-20.6
U.S. Total.....	12,818	10,549	7,159	105,773	97,668	8.3

¹ Data for 1997 are preliminary. Data for 1996 are final.

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

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

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

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

NERC Region and Hawaii	November 1997 ¹	October 1997 ¹	November 1996 ¹	Year to Date		
				1997 ¹	1996 ¹	Difference (percent)
ECAR.....	425.9	406.4	497.5	402.0	414.0	-2.9
ERCOT.....	448.2	451.3	522.4	462.7	469.6	-1.5
MAAC.....	330.1	317.7	364.8	289.4	338.4	-14.5
MAIN.....	390.1	481.0	393.8	383.3	370.9	3.3
MAPP (U.S.).....	447.7	467.9	598.2	464.3	501.8	-7.5
NPCC (U.S.).....	314.0	305.9	334.0	279.2	307.5	-9.2
SERC.....	319.1	456.8	332.8	346.7	289.2	19.9
FRCC.....	305.4	297.7	—	271.1	—	NM
SPP.....	265.7	256.7	354.0	279.7	253.6	10.3
WSCC (U.S.).....	558.7	532.3	602.6	541.9	547.2	-1.0
Contiguous U.S.....	313.8	307.2	351.8	284.6	308.5	-7.7
ASCC.....	—	—	—	—	—	—
Hawaii.....	347.3	339.5	398.9	364.1	350.5	3.9
U.S. Average.....	315.4	309.0	354.4	289.5	312.0	-7.2

¹ Data for 1997 are preliminary. Data for 1996 are final.

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

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

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

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

NERC Region and Hawaii	November 1997 ¹	October 1997 ¹	November 1996 ¹	Year to Date		
				1997 ¹	1996 ¹	Difference (percent)
ECAR.....	2,878	2,933	2,840	29,725	28,125	5.7
ERCOT.....	55,891	72,008	43,945	773,475	770,189	.4
MAAC.....	1,615	1,746	3,646	40,309	54,622	-26.2
MAIN.....	4,273	4,275	1,837	43,695	26,366	65.7
MAPP (U.S.).....	372	668	557	6,677	6,220	7.4
NPCC (U.S.).....	18,488	21,689	17,416	290,870	220,129	32.1
SERC.....	827	1,225	17,828	25,472	283,020	-91.0
FRCC.....	13,268	18,459	—	257,286	—	NM
SPP.....	41,068	49,515	42,891	627,500	668,893	-6.2
WSCC (U.S.).....	28,799	45,731	29,999	469,794	407,125	15.4
Contiguous U.S.....	167,480	218,250	160,960	2,564,803	2,464,688	4.1
ASCC.....	1,275	1,286	1,298	12,530	11,104	12.8
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	168,754	219,535	162,258	2,577,333	2,475,792	4.1

¹ Data for 1997 are preliminary. Data for 1996 are final.

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

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

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

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

NERC Region and Hawaii	November 1997 ¹	October 1997 ¹	November 1996 ¹	Year to Date		
				1997 ¹	1996 ¹	Difference (percent)
ECAR.....	327.5	319.9	309.7	282.4	298.6	-5.4
ERCOT.....	326.3	309.5	277.4	264.5	240.0	10.2
MAAC.....	333.8	427.0	337.7	295.1	290.0	1.8
MAIN.....	329.4	312.3	302.9	256.2	254.7	.6
MAPP (U.S.).....	414.7	352.7	272.7	294.5	257.0	14.6
NPCC (U.S.).....	377.8	344.2	322.4	283.8	272.7	4.1
SERC.....	364.9	369.4	331.2	265.9	300.1	-11.4
FRCC.....	385.0	385.2	—	306.4	—	NM
SPP.....	345.5	322.5	302.1	269.2	261.6	2.9
WSCC (U.S.).....	334.7	314.3	310.5	285.3	244.1	16.9
Contiguous U.S.....	343.7	325.1	303.1	276.5	258.0	7.2
ASCC.....	177.0	176.2	146.3	166.3	113.2	46.9
Hawaii.....	—	—	—	—	—	—
U.S. Average.....	342.4	324.3	301.9	276.0	257.4	7.2

¹ Data for 1997 are preliminary. Data for 1996 are final.

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

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

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

**Table 33. Electric Utility Receipts of Coal by Type, Census Division, and State,
November 1997**

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	—	—	670	17,152	—	—	—	—	670	17,152
Connecticut.....	—	—	41	1,078	—	—	—	—	41	1,078
Maine.....	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	456	11,600	—	—	—	—	456	11,600
New Hampshire.....	—	—	173	4,474	—	—	—	—	173	4,474
Rhode Island.....	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	21	343	4,561	113,589	—	—	—	—	4,582	113,933
New Jersey.....	—	—	183	4,828	—	—	—	—	183	4,828
New York.....	—	—	807	21,151	—	—	—	—	807	21,151
Pennsylvania.....	21	343	3,571	87,610	—	—	—	—	3,592	87,954
East North Central	—	—	10,509	245,472	6,352	112,834	—	—	16,861	358,306
Illinois.....	—	—	1,457	31,820	1,627	28,614	—	—	3,084	60,434
Indiana.....	—	—	3,282	73,426	1,457	25,649	—	—	4,739	99,075
Michigan.....	—	—	1,229	30,875	1,894	34,782	—	—	3,123	65,658
Ohio.....	—	—	4,254	101,971	77	1,343	—	—	4,331	103,315
Wisconsin.....	—	—	288	7,379	1,296	22,445	—	—	1,584	29,825
West North Central	—	—	673	14,983	7,185	124,066	1,939	25,125	9,796	164,175
Iowa.....	—	—	114	2,514	1,306	22,024	—	—	1,420	24,538
Kansas.....	—	—	181	4,012	1,170	19,718	—	—	1,351	23,730
Minnesota.....	—	—	10	237	1,312	23,253	—	—	1,322	23,490
Missouri.....	—	—	357	7,971	2,459	42,942	—	—	2,816	50,913
Nebraska.....	—	—	12	250	745	12,771	—	—	757	13,020
North Dakota.....	—	—	—	—	—	—	1,939	25,125	1,939	25,125
South Dakota.....	—	—	—	—	192	3,358	—	—	192	3,358
South Atlantic	—	—	11,178	279,964	467	8,199	—	—	11,645	288,163
Delaware.....	—	—	143	3,761	—	—	—	—	143	3,761
District of Columbia.....	—	—	—	—	—	—	—	—	—	—
Florida.....	—	—	2,195	53,795	56	975	—	—	2,251	54,770
Georgia.....	—	—	1,639	40,761	411	7,224	—	—	2,050	47,984
Maryland.....	—	—	847	21,866	—	—	—	—	847	21,866
North Carolina.....	—	—	2,012	49,748	—	—	—	—	2,012	49,748
South Carolina.....	—	—	952	24,447	—	—	—	—	952	24,447
Virginia.....	—	—	906	22,735	—	—	—	—	906	22,735
West Virginia.....	—	—	2,484	62,852	—	—	—	—	2,484	62,852
East South Central	—	—	7,750	184,791	1,006	17,679	—	—	8,756	202,470
Alabama.....	—	—	1,936	47,323	583	10,035	—	—	2,519	57,358
Kentucky.....	—	—	3,397	79,030	24	414	—	—	3,421	79,444
Mississippi.....	—	—	190	4,648	218	4,053	—	—	408	8,701
Tennessee.....	—	—	2,226	53,791	182	3,177	—	—	2,408	56,968
West South Central	—	—	141	2,999	6,396	109,870	4,296	55,066	10,833	167,935
Arkansas.....	—	—	—	—	1,019	17,703	—	—	1,019	17,703
Louisiana.....	—	—	—	—	767	13,220	317	4,303	1,084	17,523
Oklahoma.....	—	—	7	184	1,307	22,288	—	—	1,314	22,472
Texas.....	—	—	134	2,816	3,303	56,659	3,979	50,762	7,416	110,236
Mountain	—	—	3,328	73,829	5,525	98,891	4	61	8,858	172,781
Arizona.....	—	—	673	14,688	831	16,016	—	—	1,504	30,704
Colorado.....	—	—	524	11,461	792	14,564	—	—	1,316	26,025
Idaho.....	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	813	13,761	4	61	817	13,821
Nevada.....	—	—	752	17,008	—	—	—	—	752	17,008
New Mexico.....	—	—	—	—	1,251	22,576	—	—	1,251	22,576
Utah.....	—	—	1,219	27,554	—	—	—	—	1,219	27,554
Wyoming.....	—	—	160	3,117	1,838	31,975	—	—	1,998	35,093
Pacific Contiguous	—	—	—	—	556	9,107	—	—	556	9,107
California.....	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	119	2,081	—	—	119	2,081
Washington.....	—	—	—	—	437	7,026	—	—	437	7,026
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—
U.S. Total	21	343	38,810	932,780	27,488	480,646	6,239	80,252	72,558	1,494,021

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 1997 are preliminary.

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

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

Census Division and State	November 1997 Receipts		November 1996 Receipts		Year to Date			
	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) ¹	
					1997	1996	1997	1996
New England.....	670	17,152	559	14,267	167,068	162,287	171.1	169.9
Connecticut.....	41	1,078	68	1,784	23,192	21,485	190.8	191.1
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	456	11,600	353	8,903	105,403	108,959	169.7	168.5
New Hampshire.....	173	4,474	138	3,579	38,473	31,843	163.1	160.5
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—
Middle Atlantic.....	4,582	113,933	4,163	104,027	1,235,310	1,164,737	137.9	141.0
New Jersey.....	183	4,828	285	7,398	49,655	56,701	175.7	175.3
New York.....	807	21,151	662	17,192	196,138	187,259	142.2	142.8
Pennsylvania.....	3,592	87,954	3,216	79,437	989,516	920,777	135.2	138.5
East North Central.....	16,861	358,306	16,558	350,821	3,901,343	3,769,566	131.0	133.3
Illinois.....	3,084	60,434	3,091	60,585	729,915	670,131	156.1	163.7
Indiana.....	4,739	99,075	3,876	80,442	1,017,537	986,843	116.8	119.5
Michigan.....	3,123	65,658	2,945	62,810	612,805	573,680	137.2	139.1
Ohio.....	4,331	103,315	4,578	109,130	1,141,989	1,155,177	132.0	133.6
Wisconsin.....	1,584	29,825	2,068	37,854	399,098	383,735	108.9	105.9
West North Central.....	9,796	164,175	9,684	163,275	1,830,953	1,884,803	92.2	92.5
Iowa.....	1,420	24,538	1,261	21,977	262,539	294,183	95.1	94.8
Kansas.....	1,351	23,730	1,291	23,032	263,785	292,847	103.8	99.3
Minnesota.....	1,322	23,490	1,401	24,848	281,999	273,765	110.8	107.4
Missouri.....	2,816	50,913	2,682	48,893	553,218	557,731	93.3	95.7
Nebraska.....	757	13,020	950	16,322	166,291	162,400	58.4	72.8
North Dakota.....	1,939	25,125	2,037	27,027	273,011	282,895	77.5	73.6
South Dakota.....	192	3,358	63	1,176	30,110	20,983	92.0	93.7
South Atlantic.....	11,645	288,163	12,065	296,934	3,360,850	3,303,292	147.8	149.4
Delaware.....	143	3,761	181	4,696	39,856	40,645	157.5	159.0
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	2,251	54,770	2,216	53,776	612,292	599,889	172.9	174.4
Georgia.....	2,050	47,984	2,098	49,208	610,666	625,035	158.5	157.7
Maryland.....	847	21,866	903	23,180	237,973	258,747	150.4	149.4
North Carolina.....	2,013	49,748	2,134	52,889	593,352	557,860	143.1	148.4
South Carolina.....	952	24,447	1,078	27,574	279,211	254,937	144.7	147.1
Virginia.....	906	22,735	892	22,318	272,390	253,960	139.4	142.0
West Virginia.....	2,484	62,852	2,564	63,291	715,109	712,219	124.0	124.9
East South Central.....	8,756	202,470	7,786	181,683	2,170,258	2,098,186	123.8	125.2
Alabama.....	2,519	57,358	2,573	60,910	624,173	642,049	154.9	154.3
Kentucky.....	3,421	79,444	3,061	70,954	902,579	821,353	104.5	105.9
Mississippi.....	408	8,701	539	11,410	114,820	105,855	155.4	151.7
Tennessee.....	2,408	56,968	1,612	38,409	528,686	528,929	113.0	114.6
West South Central.....	10,833	167,935	10,920	169,845	1,918,810	2,021,580	126.3	128.7
Arkansas.....	1,019	17,703	1,130	19,644	187,676	204,341	165.2	150.0
Louisiana.....	1,084	17,523	964	15,474	195,425	187,722	147.6	151.3
Oklahoma.....	1,314	22,472	1,471	25,181	291,220	306,764	92.1	98.1
Texas.....	7,416	110,236	7,355	109,546	1,244,490	1,286,754	125.1	128.6
Mountain.....	8,858	172,781	9,012	174,778	1,836,125	1,741,896	111.4	112.8
Arizona.....	1,504	30,704	1,212	24,521	310,575	282,274	142.7	143.8
Colorado.....	1,316	26,025	1,513	29,905	302,712	295,232	101.8	103.4
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	817	13,821	956	16,069	140,101	116,647	68.0	70.8
Nevada.....	752	17,008	805	18,096	143,455	145,993	139.0	138.6
New Mexico.....	1,251	22,576	1,454	26,330	258,922	245,263	134.9	144.0
Utah.....	1,219	27,554	1,150	26,299	310,578	286,202	112.9	108.1
Wyoming.....	1,998	35,093	1,921	33,558	369,782	370,285	80.8	82.6
Pacific Contiguous.....	556	9,107	629	10,424	82,095	79,761	158.0	146.0
California.....	—	—	—	—	—	—	—	—
Oregon.....	119	2,081	221	3,858	12,637	12,065	114.5	106.4
Washington.....	437	7,026	408	6,566	69,457	67,696	165.9	153.1
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total.....	72,558	1,494,021	71,375	1,466,054	16,502,812	16,226,108	127.5	129.0

¹ Monetary values are expressed in nominal terms.

Notes: *Data for 1997 are preliminary. Data for 1996 are final. *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Coal includes lignite, bituminous coal, subbituminous coal, and anthracite.

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

Table 35. Receipts and Average Cost of Coal Delivered to Electric Utilities by Type of Purchase, Mining Method, Census Division, and State, November 1997

Census Division and State	Type of Purchase						Type of Mining					
	Contract			Spot			Strip and Auger			Underground		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)
New England.....	555	168.4	43.30	115	179.1	44.97	119	168.5	41.40	551	170.6	44.05
Connecticut.....	41	189.6	49.85	—	—	—	—	—	—	41	189.6	49.85
Maine.....	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	412	167.1	42.55	44	180.0	45.55	78	156.8	38.51	378	170.7	43.73
New Hampshire.....	102	165.0	43.68	71	178.5	44.61	41	190.7	46.92	132	164.5	43.18
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	3,677	142.7	35.55	905	117.7	29.00	1,539	129.6	31.24	3,044	141.7	35.79
New Jersey.....	170	172.0	46.08	13	166.2	34.68	73	178.9	44.03	110	167.4	46.08
New York.....	777	144.4	37.89	30	147.1	37.18	16	138.8	34.91	791	144.6	37.92
Pennsylvania.....	2,731	140.2	34.23	861	116.0	28.63	1,450	127.0	30.56	2,142	139.2	34.47
East North Central.....	11,219	139.4	28.84	5,642	113.4	25.38	12,206	129.2	26.10	4,655	132.7	31.82
Illinois.....	2,566	163.6	32.04	518	103.6	20.33	1,965	164.6	30.09	1,119	137.1	30.04
Indiana.....	2,668	125.9	25.25	2,071	106.1	23.33	4,042	113.3	23.04	698	133.7	32.33
Michigan.....	2,007	142.5	29.43	1,116	131.8	28.59	2,612	138.5	27.90	511	138.6	35.41
Ohio.....	2,628	144.0	34.25	1,703	109.9	26.34	2,238	133.8	31.22	2,092	127.1	31.05
Wisconsin.....	1,350	102.6	18.43	234	136.3	32.48	1,348	99.4	17.46	236	145.5	37.87
West North Central.....	8,594	90.2	14.99	1,202	88.3	15.72	9,436	87.7	14.50	360	133.3	30.29
Iowa.....	1,191	94.7	16.34	229	93.7	16.32	1,361	93.2	15.90	59	118.2	26.38
Kansas.....	1,351	99.6	17.50	—	—	—	1,238	94.8	16.22	113	139.7	31.51
Minnesota.....	1,286	99.6	17.68	36	123.4	22.90	1,312	99.7	17.67	10	159.4	38.58
Missouri.....	2,116	92.9	16.79	700	90.8	16.44	2,650	89.0	15.82	166	134.2	30.81
Nebraska.....	521	51.7	8.91	236	69.4	11.93	745	56.2	9.63	12	109.5	23.63
North Dakota.....	1,937	78.9	10.23	1	54.5	7.66	1,939	78.9	10.22	—	—	—
South Dakota.....	192	89.3	15.62	—	—	—	192	89.3	15.62	—	—	—
South Atlantic.....	8,425	149.1	37.15	3,221	141.8	34.41	5,176	147.1	35.88	6,469	147.0	36.81
Delaware.....	142	154.0	40.54	1	150.7	32.14	25	166.2	41.88	118	151.6	40.16
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	1,537	175.0	42.66	714	155.9	37.79	1,003	163.1	39.19	1,247	173.6	42.67
Georgia.....	1,136	169.9	42.49	915	147.9	31.66	1,261	148.1	33.07	790	179.2	44.99
Maryland.....	610	148.1	38.29	237	150.7	38.83	355	147.8	37.50	491	149.6	39.12
North Carolina.....	1,403	145.8	36.01	609	133.5	33.06	923	142.9	35.38	1,090	141.4	34.90
South Carolina.....	763	143.6	37.11	189	146.8	36.69	234	147.7	37.52	718	143.1	36.87
Virginia.....	631	139.3	34.87	274	136.1	34.40	408	141.3	35.64	498	135.9	33.97
West Virginia.....	2,203	127.2	31.42	281	108.4	32.47	968	136.3	35.52	1,517	116.9	29.00
East South Central.....	6,094	127.3	29.19	2,662	115.4	27.19	4,007	117.8	26.13	4,749	128.2	30.65
Alabama.....	2,136	158.1	35.79	383	129.6	30.46	1,227	133.9	28.10	1,292	169.8	41.52
Kentucky.....	2,030	102.9	23.52	1,391	108.0	25.67	2,018	106.8	24.86	1,403	102.5	23.72
Mississippi.....	337	161.8	34.25	71	151.2	33.33	244	150.7	29.20	164	170.9	41.40
Tennessee.....	1,591	111.3	26.49	817	118.7	27.73	518	113.5	24.99	1,890	113.8	27.44
West South Central.....	10,228	128.8	19.76	606	130.9	23.63	10,833	128.9	19.98	—	—	—
Arkansas.....	972	156.1	27.18	47	135.6	22.62	1,019	155.2	26.97	—	—	—
Louisiana.....	1,084	151.7	24.51	—	—	—	1,084	151.7	24.51	—	—	—
Oklahoma.....	1,300	91.0	15.55	14	110.7	20.10	1,314	91.2	15.60	—	—	—
Texas.....	6,871	128.5	18.76	545	131.0	23.81	7,416	128.7	19.14	—	—	—
Mountain.....	8,293	106.6	20.72	565	102.3	20.88	7,098	104.6	19.55	1,760	112.0	25.49
Arizona.....	1,308	136.0	28.14	196	106.0	19.67	1,504	132.4	27.04	—	—	—
Colorado.....	1,174	93.4	18.43	142	78.4	15.70	1,065	89.1	17.01	251	101.3	22.95
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	817	70.1	11.85	—	—	—	817	70.1	11.85	—	—	—
Nevada.....	608	130.6	29.04	144	119.8	29.01	462	124.1	27.34	290	134.7	31.73
New Mexico.....	1,251	132.1	23.84	—	—	—	1,251	132.1	23.84	—	—	—
Utah.....	1,173	108.1	24.60	46	120.9	22.64	—	—	—	1,219	108.5	24.53
Wyoming.....	1,961	79.6	13.96	37	69.8	13.35	1,998	79.4	13.95	—	—	—
Pacific Contiguous.....	426	141.2	22.61	130	116.6	20.49	556	135.0	22.12	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	119	115.8	20.25	119	115.8	20.25	—	—	—
Washington.....	426	141.2	22.61	11	124.4	23.07	437	140.7	22.62	—	—	—
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—	—
U. S. Total.....	57,510	128.2	25.76	15,048	119.8	26.95	50,970	120.6	22.88	21,588	136.9	33.39

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 1997 are preliminary.

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

Table 36. Receipts and Average Cost of Coal Delivered to Electric Utilities by Sulfur Content, Census Division, and State, November 1997

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	98	192.4	49.15	393	167.3	42.34	45	163.8	42.31
Connecticut.....	41	189.6	49.85	—	—	—	—	—	—
Maine.....	—	—	—	—	—	—	—	—	—
Massachusetts.....	16	204.0	53.05	393	167.3	42.34	15	166.4	43.95
New Hampshire.....	41	190.7	46.92	—	—	—	30	162.5	41.46
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
Middle Atlantic	—	—	—	563	159.8	40.42	258	131.4	33.45
New Jersey.....	—	—	—	127	167.9	45.02	—	—	—
New York.....	—	—	—	184	177.1	46.14	24	146.5	38.07
Pennsylvania.....	—	—	—	252	141.5	33.92	234	129.8	32.97
East North Central	6,345	134.2	24.01	3,509	138.8	32.99	1,580	130.8	29.70
Illinois.....	1,797	174.6	31.53	290	143.1	33.54	206	155.1	31.27
Indiana.....	1,507	118.7	20.86	266	158.4	38.68	932	125.2	27.73
Michigan.....	1,817	130.2	23.93	946	153.2	37.18	129	135.9	35.50
Ohio.....	96	114.5	20.33	1,779	129.8	31.22	230	126.3	30.59
Wisconsin.....	1,128	96.6	16.69	228	114.7	22.05	82	141.4	36.46
West North Central	6,143	88.8	15.42	3,004	85.9	12.81	384	107.7	19.20
Iowa.....	1,213	92.7	15.62	46	117.5	26.31	125	93.9	17.12
Kansas.....	1,316	99.3	17.32	—	—	—	—	—	—
Minnesota.....	733	99.3	17.72	579	100.3	17.61	10	159.4	38.58
Missouri.....	2,341	85.9	15.01	187	98.4	18.56	92	139.1	32.63
Nebraska.....	539	52.0	8.95	217	70.3	12.09	—	—	—
North Dakota.....	—	—	—	1,782	78.3	10.09	157	85.4	11.77
South Dakota.....	—	—	—	192	89.3	15.62	—	—	—
South Atlantic	578	153.3	27.94	5,299	152.9	38.44	3,544	148.4	37.44
Delaware.....	—	—	—	82	162.8	42.50	61	142.2	37.69
District of Columbia.....	—	—	—	—	—	—	—	—	—
Florida.....	152	155.8	30.05	591	176.3	44.14	711	175.6	43.95
Georgia.....	411	151.6	26.63	964	172.9	42.76	574	147.5	37.11
Maryland.....	—	—	—	384	139.3	35.53	269	164.8	42.77
North Carolina.....	15	165.1	42.75	1,532	143.9	35.52	466	135.2	33.57
South Carolina.....	—	—	—	182	158.9	40.80	705	140.3	36.00
Virginia.....	—	—	—	566	137.0	34.17	340	140.5	35.64
West Virginia.....	—	—	—	998	146.1	38.15	419	128.0	31.58
East South Central	891	122.0	21.66	2,262	154.0	37.13	1,446	119.5	29.13
Alabama.....	583	116.7	20.08	1,106	183.3	45.14	107	137.7	33.08
Kentucky.....	34	119.0	26.30	859	120.7	29.38	602	109.0	26.15
Mississippi.....	187	151.6	28.52	94	193.1	43.28	127	146.6	35.50
Tennessee.....	87	89.8	15.76	202	110.6	23.35	610	121.0	30.06
West South Central	7,412	141.1	23.48	461	131.9	17.68	1,908	98.6	13.09
Arkansas.....	1,019	155.2	26.97	—	—	—	—	—	—
Louisiana.....	767	157.5	27.14	85	126.1	17.25	232	136.7	18.50
Oklahoma.....	1,309	91.1	15.56	—	—	—	—	—	—
Texas.....	4,316	150.4	24.41	376	133.3	17.78	1,676	93.2	12.34
Mountain	4,132	101.4	19.93	4,726	110.7	21.43	—	—	—
Arizona.....	512	174.8	34.61	992	111.6	23.14	—	—	—
Colorado.....	1,263	91.6	18.05	54	94.0	20.25	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—
Montana.....	79	57.1	9.43	738	71.4	12.10	—	—	—
Nevada.....	159	147.3	34.20	593	123.1	27.64	—	—	—
New Mexico.....	—	—	—	1,251	132.1	23.84	—	—	—
Utah.....	1,020	108.8	24.32	199	106.9	25.60	—	—	—
Wyoming.....	1,099	58.8	9.88	899	102.3	18.93	—	—	—
Pacific Contiguous	130	116.6	20.49	426	141.2	22.61	—	—	—
California.....	—	—	—	—	—	—	—	—	—
Oregon.....	119	115.8	20.25	—	—	—	—	—	—
Washington.....	11	124.4	23.07	426	141.2	22.61	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—
U. S. Total	25,729	119.8	21.24	20,643	135.0	29.09	9,165	132.0	28.87

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 1997 are preliminary.

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

Table 36. Receipts and Average Cost of Coal Delivered to Electric Utilities by Sulfur Content, Census Division, and State, November 1997 (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		(Cents/ 10 ⁶ Btu)	(\$/ short ton)
	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)		
New England.....	134	164.9	43.60	—	—	—	—	—	—	170.2	43.58
Connecticut.....	—	—	—	—	—	—	—	—	—	189.6	49.85
Maine.....	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	31	164.5	43.35	—	—	—	—	—	—	168.4	42.84
New Hampshire.....	102	165.0	43.68	—	—	—	—	—	—	170.4	44.06
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	1,443	136.0	33.99	1,478	125.3	31.54	840	150.8	35.64	137.8	34.26
New Jersey.....	—	—	—	56	180.8	45.83	—	—	—	171.7	45.27
New York.....	276	138.1	36.17	322	131.3	34.57	—	—	—	144.5	37.86
Pennsylvania.....	1,166	135.5	33.47	1,100	120.5	29.92	840	150.8	35.64	134.3	32.89
East North Central.....	775	123.9	30.26	2,407	112.8	25.76	2,244	128.4	29.51	130.3	27.68
Illinois.....	21	107.8	22.57	511	110.5	23.89	259	130.6	27.92	153.5	30.07
Indiana.....	314	107.8	24.38	1,089	104.0	23.27	630	108.2	23.93	116.8	24.41
Michigan.....	172	129.2	33.82	37	137.9	32.74	21	125.0	32.12	138.6	29.13
Ohio.....	122	127.0	31.71	769	124.5	30.19	1,334	137.0	32.41	130.5	31.14
Wisconsin.....	146	146.4	38.55	—	—	—	—	—	—	108.9	20.50
West North Central.....	—	—	—	51	122.2	26.75	215	121.8	26.90	90.0	15.08
Iowa.....	—	—	—	24	116.8	25.18	11	114.4	24.95	94.6	16.34
Kansas.....	—	—	—	1	102.9	22.56	34	108.7	24.07	99.6	17.50
Minnesota.....	—	—	—	—	—	—	—	—	—	100.3	17.83
Missouri.....	—	—	—	26	128.0	28.41	170	124.9	27.60	92.4	16.70
Nebraska.....	—	—	—	—	—	—	—	—	—	57.2	9.85
North Dakota.....	—	—	—	—	—	—	—	—	—	78.9	10.22
South Dakota.....	—	—	—	—	—	—	—	—	—	89.3	15.62
South Atlantic.....	779	129.6	32.48	616	154.3	37.37	828	111.9	27.72	147.1	36.40
Delaware.....	—	—	—	—	—	—	—	—	—	154.0	40.46
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—
Florida.....	59	163.0	40.14	533	160.2	38.49	204	155.7	37.92	169.0	41.12
Georgia.....	101	150.9	37.11	—	—	—	—	—	—	160.9	37.66
Maryland.....	181	146.6	38.49	13	129.2	33.85	—	—	—	148.9	38.44
North Carolina.....	—	—	—	—	—	—	—	—	—	142.1	35.12
South Carolina.....	57	145.1	37.54	9	148.3	38.68	—	—	—	144.2	37.03
Virginia.....	—	—	—	—	—	—	—	—	—	138.3	34.72
West Virginia.....	382	107.8	26.46	61	111.4	28.15	625	97.9	24.39	124.7	31.54
East South Central.....	858	129.1	31.59	1,701	107.9	25.21	1,598	96.6	21.84	123.6	28.58
Alabama.....	233	154.3	37.74	333	121.2	29.45	158	116.9	27.72	153.6	34.98
Kentucky.....	66	114.3	27.45	484	99.4	22.36	1,375	93.8	21.03	105.0	24.39
Mississippi.....	—	—	—	—	—	—	—	—	—	159.9	34.09
Tennessee.....	559	120.4	29.51	885	107.2	25.17	65	103.9	24.63	113.8	26.91
West South Central.....	1,047	70.9	8.75	—	—	—	5	104.5	26.88	128.9	19.98
Arkansas.....	—	—	—	—	—	—	—	—	—	155.2	26.97
Louisiana.....	—	—	—	—	—	—	—	—	—	151.7	24.51
Oklahoma.....	—	—	—	—	—	—	5	104.5	26.88	91.2	15.60
Texas.....	1,047	70.9	8.75	—	—	—	—	—	—	128.7	19.14
Mountain.....	—	—	—	—	—	—	—	—	—	106.3	20.73
Arizona.....	—	—	—	—	—	—	—	—	—	132.4	27.04
Colorado.....	—	—	—	—	—	—	—	—	—	91.8	18.14
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	70.1	11.85
Nevada.....	—	—	—	—	—	—	—	—	—	128.4	29.03
New Mexico.....	—	—	—	—	—	—	—	—	—	132.1	23.84
Utah.....	—	—	—	—	—	—	—	—	—	108.5	24.53
Wyoming.....	—	—	—	—	—	—	—	—	—	79.4	13.95
Pacific Contiguous.....	—	—	—	—	—	—	—	—	—	135.0	22.12
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	115.8	20.25
Washington.....	—	—	—	—	—	—	—	—	—	140.7	22.62
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—
U. S. Total.....	5,037	124.9	27.78	6,254	118.9	28.13	5,730	120.3	27.91	126.3	26.01

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 1997 are preliminary.

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

**Table 37. Electric Utility Receipts of Petroleum by Type, Census Division, and State,
November 1997**

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	12	71	—	—	—	—	4,512	28,657	4,525	28,731
Connecticut	3	16	—	—	—	—	1,354	8,623	1,356	8,639
Maine	—	—	—	—	—	—	464	2,907	464	2,907
Massachusetts	5	29	—	—	—	—	2,583	16,437	2,589	16,469
New Hampshire	3	15	—	—	—	—	110	689	113	705
Rhode Island	—	—	—	—	—	—	—	—	—	—
Vermont	2	11	—	—	—	—	—	—	2	11
Middle Atlantic	60	350	10	61	—	—	2,318	14,623	2,388	15,034
New Jersey	1	5	10	61	—	—	—	—	11	66
New York	5	27	—	—	—	—	2,176	13,715	2,181	13,742
Pennsylvania	54	318	—	—	—	—	142	908	196	1,226
East North Central	178	1,032	—	—	—	—	129	826	307	1,857
Illinois	13	77	—	—	—	—	41	262	54	339
Indiana	34	196	—	—	—	—	—	—	34	196
Michigan	81	473	—	—	—	—	88	564	169	1,036
Ohio	45	262	—	—	—	—	—	—	45	262
Wisconsin	4	24	—	—	—	—	—	—	4	24
West North Central	44	254	—	—	—	—	37	244	81	498
Iowa	4	21	—	—	—	—	—	—	4	21
Kansas	15	88	—	—	—	—	22	146	37	234
Minnesota	2	9	—	—	—	—	—	—	2	9
Missouri	10	58	—	—	—	—	15	98	25	156
Nebraska	5	29	—	—	—	—	—	—	5	29
North Dakota	8	49	—	—	—	—	—	—	8	49
South Dakota	—	—	—	—	—	—	—	—	—	—
South Atlantic	166	968	4	24	—	—	3,707	23,614	3,878	24,606
Delaware	4	25	—	—	—	—	191	1,222	195	1,247
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida	46	269	4	24	—	—	2,718	17,352	2,769	17,645
Georgia	22	129	—	—	—	—	—	—	22	129
Maryland	44	257	—	—	—	—	430	2,743	474	3,001
North Carolina	23	134	—	—	—	—	—	—	23	134
South Carolina	1	5	—	—	—	—	—	—	1	5
Virginia	4	24	—	—	—	—	368	2,297	372	2,321
West Virginia	21	125	—	—	—	—	—	—	21	125
East South Central	37	216	—	—	—	—	827	5,473	864	5,689
Alabama	11	66	—	—	—	—	—	—	11	66
Kentucky	20	114	—	—	—	—	—	—	20	114
Mississippi	4	21	—	—	—	—	827	5,473	831	5,494
Tennessee	2	15	—	—	—	—	—	—	2	15
West South Central	82	478	—	—	—	—	54	356	137	834
Arkansas	1	7	—	—	—	—	—	—	1	7
Louisiana	7	41	—	—	—	—	54	356	61	397
Oklahoma	—	—	—	—	—	—	—	—	—	—
Texas	74	430	—	—	—	—	—	—	74	430
Mountain	19	111	—	—	—	—	—	—	19	111
Arizona	3	15	—	—	—	—	—	—	3	15
Colorado	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—
Montana	*	1	—	—	—	—	—	—	*	1
Nevada	1	7	—	—	—	—	—	—	1	7
New Mexico	9	51	—	—	—	—	—	—	9	51
Utah	1	6	—	—	—	—	—	—	1	6
Wyoming	5	31	—	—	—	—	—	—	5	31
Pacific Contiguous	1	6	—	—	—	—	—	—	1	6
California	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	—
Washington	1	6	—	—	—	—	—	—	1	6
Pacific Noncontiguous	—	—	—	—	—	—	619	3,888	619	3,888
Alaska	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	619	3,888	619	3,888
U.S. Total	599	3,487	14	85	—	—	12,204	77,680	12,818	81,254

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

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

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

•Data are for electric generating plants with total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1997 are preliminary.

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

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

Census Division and State	November 1997 Receipts		November 1996 Receipts		Year to Date			
	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) ¹	
					1997	1996	1997	1996
New England	4,525	28,731	1,904	12,243	203,711	119,315	276.9	301.1
Connecticut	1,356	8,639	950	6,137	79,843	52,628	295.3	316.6
Maine	465	2,907	1	8	13,219	6,457	278.3	282.4
Massachusetts	2,589	16,469	944	6,040	103,282	53,303	263.5	293.6
New Hampshire	113	705	—	—	7,356	6,425	263.2	242.0
Rhode Island	—	—	9	59	—	479	—	478.7
Vermont	2	11	—	—	11	23	453.5	472.2
Middle Atlantic	2,388	15,034	1,874	11,307	104,154	140,430	285.7	325.8
New Jersey	11	66	247	1,551	8,820	16,102	296.0	357.7
New York	2,181	13,742	1,187	7,022	76,282	95,536	285.2	315.5
Pennsylvania	196	1,226	440	2,733	19,052	28,792	282.9	342.2
East North Central	307	1,857	511	3,158	18,084	19,652	384.0	382.5
Illinois	54	339	265	1,684	5,405	7,178	375.7	364.7
Indiana	34	196	43	248	2,141	2,274	455.5	482.1
Michigan	169	1,036	147	903	7,646	7,741	347.5	337.2
Ohio	45	262	46	266	2,525	2,168	440.1	486.7
Wisconsin	4	24	10	57	367	291	464.3	476.1
West North Central	81	498	44	259	5,391	3,223	346.9	426.0
Iowa	4	21	7	42	498	260	445.7	501.3
Kansas	37	234	—	—	2,822	640	276.4	383.1
Minnesota	2	9	1	3	211	348	484.1	480.4
Missouri	25	156	19	116	1,097	1,059	370.6	344.1
Nebraska	5	29	*	1	95	70	464.2	502.9
North Dakota	8	49	10	61	666	810	472.0	505.2
South Dakota	—	—	6	36	—	36	—	597.9
South Atlantic	3,878	24,606	2,097	13,286	263,338	262,759	277.2	292.3
Delaware	195	1,247	230	1,472	9,156	11,429	282.0	317.7
District of Columbia	—	—	4	24	822	1,529	356.3	369.1
Florida	2,769	17,645	1,760	11,188	228,485	223,090	271.2	284.5
Georgia	22	129	13	78	1,596	2,772	421.0	426.9
Maryland	474	3,001	10	61	10,722	13,966	302.2	326.0
North Carolina	23	134	19	108	1,776	949	430.4	445.6
South Carolina	1	5	9	54	718	360	459.0	486.8
Virginia	372	2,321	7	42	8,234	6,958	279.6	277.2
West Virginia	21	125	45	260	1,830	1,704	463.1	520.6
East South Central	864	5,689	192	1,146	26,380	12,327	290.7	290.5
Alabama	11	66	8	49	1,198	988	408.0	439.9
Kentucky	20	114	23	138	1,204	1,045	485.9	510.6
Mississippi	831	5,494	26	168	23,092	8,662	268.6	211.6
Tennessee	3	15	135	791	887	1,632	443.0	478.1
West South Central	137	834	118	685	7,683	4,960	363.7	415.0
Arkansas	1	7	11	64	390	442	472.2	450.3
Louisiana	61	397	4	26	4,718	1,541	303.5	321.5
Oklahoma	—	—	—	—	98	427	442.1	406.7
Texas	74	430	103	595	2,477	2,551	458.0	466.7
Mountain	19	111	15	90	1,725	2,179	546.8	548.8
Arizona	3	15	3	17	500	892	565.4	536.0
Colorado	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Montana	*	1	3	18	90	118	529.3	560.3
Nevada	1	7	3	16	217	166	512.2	552.1
New Mexico	9	51	—	—	234	263	581.5	584.0
Utah	1	6	—	—	124	153	585.2	569.0
Wyoming	5	31	7	39	561	587	523.4	544.2
Pacific Contiguous	1	6	1	6	181	91	495.7	508.4
California	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	102	—	490.2	—
Washington	1	6	1	6	79	91	502.9	508.4
Pacific Noncontiguous	619	3,888	403	2,539	41,678	52,282	364.1	350.5
Alaska	—	—	—	—	—	—	—	—
Hawaii	619	3,888	403	2,539	41,678	52,282	364.1	350.5
U.S. Total	12,818	81,254	7,159	44,719	672,325	617,218	289.5	312.0

¹ Monetary values are expressed in nominal terms.

* Less than 0.5.

Notes: •Data for 1997 are preliminary. Data for 1996 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 November 1997 petroleum coke receipts were 190,504 short tons and the cost was 98.1 cents per million Btu.

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

Table 39. Receipts and Average Cost of Petroleum Delivered to Electric Utilities by Type of Purchase, Census Division, and State, November 1997

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)						
New England	2,274	313.5	19.97	2,238	307.8	19.49	464.8	26.62	—	—	310.7	19.73
Connecticut.....	1,070	324.3	20.68	283	298.2	18.92	458.1	26.61	—	—	318.8	20.31
Maine.....	—	—	—	464	320.1	20.03	—	—	—	—	320.1	20.03
Massachusetts.....	1,203	303.8	19.34	1,380	306.1	19.47	486.3	27.47	—	—	305.0	19.41
New Hampshire.....	—	—	—	110	303.2	18.95	440.0	25.46	—	—	303.2	18.95
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	453.5	26.04	—	—	—	—
Middle Atlantic	1,258	321.8	20.19	1,061	318.4	20.20	439.1	25.73	403.7	24.84	320.2	20.20
New Jersey.....	—	—	—	—	—	—	456.7	26.97	403.7	24.84	—	—
New York.....	1,258	321.8	20.19	919	317.0	20.09	470.0	27.27	—	—	319.8	20.15
Pennsylvania.....	—	—	—	142	327.0	20.90	436.2	25.58	—	—	327.0	20.90
East North Central	44	379.0	24.54	85	331.4	21.03	460.4	26.74	—	—	347.8	22.23
Illinois.....	—	—	—	41	340.7	21.77	500.5	29.14	—	—	340.7	21.77
Indiana.....	—	—	—	—	—	—	466.0	26.86	—	—	—	—
Michigan.....	44	379.0	24.54	44	322.7	20.35	466.7	27.16	—	—	351.1	22.44
Ohio.....	—	—	—	—	—	—	432.8	25.16	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	460.6	27.08	—	—	—	—
West North Central	—	—	—	37	311.7	20.49	453.0	26.28	—	—	311.7	20.49
Iowa.....	—	—	—	—	—	—	467.2	27.42	—	—	—	—
Kansas.....	—	—	—	22	336.1	22.24	463.3	26.85	—	—	336.1	22.24
Minnesota.....	—	—	—	—	—	—	500.4	28.94	—	—	—	—
Missouri.....	—	—	—	15	275.5	17.94	454.3	26.14	—	—	275.5	17.94
Nebraska.....	—	—	—	—	—	—	445.2	25.71	—	—	—	—
North Dakota.....	—	—	—	—	—	—	422.3	24.75	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	1,737	305.7	19.54	1,970	304.9	19.36	446.9	26.01	427.6	25.81	305.3	19.44
Delaware.....	191	305.5	19.56	—	—	—	440.6	25.63	—	—	305.5	19.56
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	1,136	299.0	19.12	1,582	305.7	19.49	458.4	26.64	427.6	25.81	302.9	19.34
Georgia.....	—	—	—	—	—	—	458.4	26.66	—	—	—	—
Maryland.....	410	324.3	20.69	20	312.5	19.86	422.2	24.60	—	—	323.7	20.65
North Carolina.....	—	—	—	—	—	—	433.5	25.17	—	—	—	—
South Carolina.....	—	—	—	—	—	—	465.6	26.98	—	—	—	—
Virginia.....	—	—	—	368	300.8	18.77	454.8	26.60	—	—	300.8	18.77
West Virginia.....	—	—	—	—	—	—	474.6	27.71	—	—	—	—
East South Central	—	—	—	827	258.1	17.08	426.3	24.98	—	—	258.1	17.08
Alabama.....	—	—	—	—	—	—	331.6	19.49	—	—	—	—
Kentucky.....	—	—	—	—	—	—	479.1	28.02	—	—	—	—
Mississippi.....	—	—	—	827	258.1	17.08	429.4	25.10	—	—	258.1	17.08
Tennessee.....	—	—	—	—	—	—	436.4	25.64	—	—	—	—
West South Central	—	—	—	54	272.5	17.82	441.5	25.69	—	—	272.5	17.82
Arkansas.....	—	—	—	—	—	—	460.5	27.15	—	—	—	—
Louisiana.....	—	—	—	54	272.5	17.82	423.4	24.90	—	—	272.5	17.82
Oklahoma.....	—	—	—	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	442.9	25.74	—	—	—	—
Mountain	—	—	—	—	—	—	559.3	32.28	—	—	—	—
Arizona.....	—	—	—	—	—	—	529.9	30.87	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	550.3	32.59	—	—	—	—
Nevada.....	—	—	—	—	—	—	659.2	38.26	—	—	—	—
New Mexico.....	—	—	—	—	—	—	556.8	31.80	—	—	—	—
Utah.....	—	—	—	—	—	—	602.9	35.45	—	—	—	—
Wyoming.....	—	—	—	—	—	—	547.0	31.81	—	—	—	—
Pacific Contiguous	—	—	—	—	—	—	548.6	32.25	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	548.6	32.25	—	—	—	—
Pacific Noncontiguous	619	347.3	21.80	—	—	—	—	—	—	—	347.3	21.80
Alaska.....	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	619	347.3	21.80	—	—	—	—	—	—	—	347.3	21.80
U. S. Total	5,931	316.9	20.12	6,273	301.9	19.27	452.7	26.34	410.5	25.12	309.2	19.68

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 1997 are preliminary.

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

Table 40. Receipts and Average Cost of Heavy Oil Delivered to Electric Utilities by Sulfur Content, Census Division, and State, November 1997

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.....	93	358.0	22.27	398	347.3	21.88	3,348	307.7	19.62
Connecticut.....	39	326.7	20.03	175	350.0	22.17	1,140	313.8	20.04
Maine.....	46	373.5	23.50	176	339.1	21.31	—	—	—
Massachusetts.....	8	417.3	26.06	47	367.8	22.93	2,209	304.5	19.41
New Hampshire.....	—	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	897	336.2	20.90	76	312.2	19.93	968	310.8	19.84
New Jersey.....	10	403.7	24.84	—	—	—	—	—	—
New York.....	888	335.4	20.85	—	—	—	902	308.3	19.68
Pennsylvania.....	—	—	—	76	312.2	19.93	66	344.0	22.03
East North Central.....	—	—	—	7	210.0	12.49	122	354.8	22.76
Illinois.....	—	—	—	—	—	—	41	340.7	21.77
Indiana.....	—	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	7	210.0	12.49	81	361.9	23.26
Ohio.....	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—
West North Central.....	—	—	—	—	—	—	10	393.0	25.91
Iowa.....	—	—	—	—	—	—	—	—	—
Kansas.....	—	—	—	—	—	—	10	393.0	25.91
Minnesota.....	—	—	—	—	—	—	—	—	—
Missouri.....	—	—	—	—	—	—	—	—	—
Nebraska.....	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—
South Atlantic.....	—	—	—	8	268.7	16.09	1,202	318.9	20.29
Delaware.....	—	—	—	—	—	—	191	305.5	19.56
District of Columbia.....	—	—	—	—	—	—	—	—	—
Florida.....	—	—	—	8	268.7	16.09	524	320.5	20.33
Georgia.....	—	—	—	—	—	—	—	—	—
Maryland.....	—	—	—	—	—	—	410	324.3	20.69
North Carolina.....	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—
Virginia.....	—	—	—	—	—	—	78	312.6	19.78
West Virginia.....	—	—	—	—	—	—	—	—	—
East South Central.....	—	—	—	—	—	—	—	—	—
Alabama.....	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	—	—	—	—	—	—
Tennessee.....	—	—	—	—	—	—	—	—	—
West South Central.....	—	—	—	—	—	—	3	274.3	17.80
Arkansas.....	—	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	3	274.3	17.80
Oklahoma.....	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	—	—	—
Mountain.....	—	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—	—
Pacific Contiguous.....	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous.....	61	347.5	21.91	558	347.3	21.79	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	61	347.5	21.91	558	347.3	21.79	—	—	—
U. S. Total.....	1,052	338.8	21.08	1,047	343.3	21.59	5,654	311.7	19.88

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 1997 are preliminary.

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

Table 40. Receipts and Average Cost of Heavy Oil Delivered to Electric Utilities by Sulfur Content, Census Division, and State, November 1997 (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	296	302.8	18.99	376	293.6	18.42	—	—	—	310.7	19.73
Connecticut.....	—	—	—	—	—	—	—	—	—	318.8	20.31
Maine.....	101	309.8	19.27	142	286.3	17.87	—	—	—	320.1	20.03
Massachusetts.....	85	294.2	18.72	234	298.0	18.75	—	—	—	305.0	19.41
New Hampshire.....	110	303.2	18.95	—	—	—	—	—	—	303.2	18.95
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	387	311.3	19.64	—	—	—	—	—	—	320.6	20.22
New Jersey.....	—	—	—	—	—	—	—	—	—	403.7	24.84
New York.....	387	311.3	19.64	—	—	—	—	—	—	319.8	20.15
Pennsylvania.....	—	—	—	—	—	—	—	—	—	327.0	20.90
East North Central	—	—	—	—	—	—	—	—	—	347.8	22.23
Illinois.....	—	—	—	—	—	—	—	—	—	340.7	21.77
Indiana.....	—	—	—	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	—	—	—	—	—	—	351.1	22.44
Ohio.....	—	—	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—	—	—
West North Central	27	281.6	18.49	—	—	—	—	—	—	311.7	20.49
Iowa.....	—	—	—	—	—	—	—	—	—	—	—
Kansas.....	12	289.0	19.18	—	—	—	—	—	—	336.1	22.24
Minnesota.....	—	—	—	—	—	—	—	—	—	—	—
Missouri.....	15	275.5	17.94	—	—	—	—	—	—	275.5	17.94
Nebraska.....	—	—	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	1,795	301.7	19.28	706	292.2	18.49	—	—	—	305.4	19.45
Delaware.....	—	—	—	—	—	—	—	—	—	305.5	19.56
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—
Florida.....	1,485	302.3	19.43	706	292.2	18.49	—	—	—	303.1	19.35
Georgia.....	—	—	—	—	—	—	—	—	—	—	—
Maryland.....	20	312.5	19.86	—	—	—	—	—	—	323.7	20.65
North Carolina.....	—	—	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—	—	—
Virginia.....	290	297.6	18.50	—	—	—	—	—	—	300.8	18.77
West Virginia.....	—	—	—	—	—	—	—	—	—	—	—
East South Central	—	—	—	827	258.1	17.08	—	—	—	258.1	17.08
Alabama.....	—	—	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	827	258.1	17.08	—	—	—	258.1	17.08
Tennessee.....	—	—	—	—	—	—	—	—	—	—	—
West South Central	51	272.4	17.82	—	—	—	—	—	—	272.5	17.82
Arkansas.....	—	—	—	—	—	—	—	—	—	—	—
Louisiana.....	51	272.4	17.82	—	—	—	—	—	—	272.5	17.82
Oklahoma.....	—	—	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	—	—	—	—	—
Mountain	—	—	—	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—	—	—	—
Pacific Contiguous	—	—	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	347.3	21.80
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	347.3	21.80
U. S. Total	2,557	302.4	19.26	1,909	277.3	17.87	—	—	—	309.3	19.69

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 1997 are preliminary.

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

**Table 41. Electric Utility Receipts of Gas by Type, Census Division, and State,
November 1997**

Census Division and State	Natural		Blast-Furnance ¹		Refinery		Total	
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)
New England.....	6,253	6,468	—	—	—	—	6,253	6,468
Connecticut.....	622	643	—	—	—	—	622	643
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	3,140	3,257	—	—	—	—	3,140	3,257
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	2,488	2,566	—	—	—	—	2,488	2,566
Vermont.....	2	2	—	—	—	—	2	2
Middle Atlantic.....	13,052	13,398	—	—	—	—	13,052	13,398
New Jersey.....	695	721	—	—	—	—	695	721
New York.....	12,235	12,550	—	—	—	—	12,235	12,550
Pennsylvania.....	122	127	—	—	—	—	122	127
East North Central.....	5,096	5,179	1,927	181	—	—	7,023	5,359
Illinois.....	4,033	4,100	—	—	—	—	4,033	4,100
Indiana.....	83	85	—	—	—	—	83	85
Michigan.....	726	736	1,927	181	—	—	2,653	916
Ohio.....	59	60	—	—	—	—	59	60
Wisconsin.....	197	199	—	—	—	—	197	199
West North Central.....	2,743	2,797	—	—	—	—	2,743	2,797
Iowa.....	238	239	—	—	—	—	238	239
Kansas.....	2,159	2,210	—	—	—	—	2,159	2,210
Minnesota.....	26	27	—	—	—	—	26	27
Missouri.....	254	255	—	—	—	—	254	255
Nebraska.....	66	66	—	—	—	—	66	66
North Dakota.....	*	*	—	—	—	—	*	*
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic.....	14,560	15,341	—	—	4	6	14,564	15,347
Delaware.....	681	707	—	—	—	—	681	707
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	13,270	14,005	—	—	—	—	13,270	14,005
Georgia.....	75	77	—	—	—	—	75	77
Maryland.....	127	133	—	—	—	—	127	133
North Carolina.....	22	23	—	—	—	—	22	23
South Carolina.....	1	1	—	—	—	—	1	1
Virginia.....	337	349	—	—	4	6	342	355
West Virginia.....	46	46	—	—	—	—	46	46
East South Central.....	1,739	1,782	—	—	—	—	1,739	1,782
Alabama.....	60	62	—	—	—	—	60	62
Kentucky.....	44	45	—	—	—	—	44	45
Mississippi.....	1,635	1,676	—	—	—	—	1,635	1,676
Tennessee.....	—	—	—	—	—	—	—	—
West South Central.....	93,444	95,886	—	—	—	—	93,444	95,886
Arkansas.....	346	357	—	—	—	—	346	357
Louisiana.....	12,199	12,696	—	—	—	—	12,199	12,696
Oklahoma.....	9,774	10,106	—	—	—	—	9,774	10,106
Texas.....	71,125	72,727	—	—	—	—	71,125	72,727
Mountain.....	4,858	4,941	—	—	—	—	4,858	4,941
Arizona.....	382	388	—	—	—	—	382	388
Colorado.....	109	109	—	—	—	—	109	109
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	4	5	—	—	—	—	4	5
Nevada.....	2,224	2,285	—	—	—	—	2,224	2,285
New Mexico.....	2,123	2,138	—	—	—	—	2,123	2,138
Utah.....	—	—	—	—	—	—	—	—
Wyoming.....	15	16	—	—	—	—	15	16
Pacific Contiguous.....	23,358	23,892	—	—	—	—	23,358	23,892
California.....	22,190	22,712	—	—	—	—	22,190	22,712
Oregon.....	1,167	1,180	—	—	—	—	1,167	1,180
Washington.....	*	*	—	—	—	—	*	*
Pacific Noncontiguous.....	1,721	1,721	—	—	—	—	1,721	1,721
Alaska.....	1,721	1,721	—	—	—	—	1,721	1,721
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total.....	166,823	171,405	1,927	181	4	6	168,754	171,591

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 1997 are preliminary. *Mcf=thousand cubic feet.

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

Table 42. Receipts and Average Cost of Gas Delivered to Electric Utilities by Census Division and State

Census Division and State	November 1997 Receipts		November 1996 Receipts		Year to Date			
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) ¹	
					1997	1996	1997	1996
New England	6,253	6,468	6,746	6,943	92,418	90,718	297.8	260.7
Connecticut	622	643	1,013	1,027	13,406	10,432	241.0	268.8
Maine	—	—	—	—	—	—	—	—
Massachusetts	3,140	3,257	3,174	3,288	49,997	48,001	299.0	289.8
New Hampshire	—	—	—	—	307	—	266.6	—
Rhode Island	2,488	2,566	2,556	2,625	28,683	32,264	322.6	214.7
Vermont	2	2	3	3	25	21	308.5	300.5
Middle Atlantic	13,052	13,398	12,112	12,428	227,598	164,254	279.2	281.3
New Jersey	695	721	803	829	18,417	21,761	295.0	287.4
New York	12,235	12,550	10,671	10,941	206,373	136,041	277.5	280.8
Pennsylvania	122	127	638	658	2,809	6,452	296.4	270.2
East North Central	7,023	5,359	4,436	2,700	55,180	36,301	260.6	266.2
Illinois	4,033	4,100	1,522	1,551	40,534	24,023	251.9	253.2
Indiana	83	85	164	167	2,637	3,062	315.5	331.9
Michigan	2,653	916	2,429	655	8,262	6,620	257.6	269.6
Ohio	59	60	168	172	642	845	353.9	332.4
Wisconsin	197	199	153	154	3,104	1,751	316.4	284.6
West North Central	2,743	2,797	1,233	1,241	26,855	25,678	263.5	235.3
Iowa	238	239	188	188	2,541	2,536	343.3	317.7
Kansas	2,159	2,210	455	459	17,799	16,582	251.7	225.6
Minnesota	26	27	299	300	2,752	2,380	243.2	214.8
Missouri	254	255	231	235	2,741	3,091	279.6	249.9
Nebraska	66	66	59	59	1,021	1,085	281.3	194.6
North Dakota	*	*	*	*	1	2	322.0	277.6
South Dakota	—	—	—	—	—	2	—	233.0
South Atlantic	14,564	15,347	19,468	19,696	303,403	304,403	304.4	300.6
Delaware	681	707	2,134	2,206	15,824	22,876	299.8	298.2
District of Columbia	—	—	—	—	—	—	—	—
Florida	13,270	14,005	16,872	16,986	269,441	262,349	306.2	301.9
Georgia	75	77	50	51	3,131	2,667	264.3	279.4
Maryland	127	133	72	75	4,920	5,381	283.5	293.9
North Carolina	22	23	1	1	1,264	828	310.6	300.5
South Carolina	1	1	3	3	192	187	395.8	442.3
Virginia	342	355	283	320	8,323	9,748	277.5	279.9
West Virginia	46	46	53	53	309	368	335.9	299.7
East South Central	1,739	1,782	5,010	5,199	48,728	64,175	263.0	264.4
Alabama	60	62	100	103	1,143	1,349	277.1	275.1
Kentucky	44	45	59	61	535	576	337.1	330.9
Mississippi	1,635	1,676	4,850	5,035	47,050	62,250	261.8	263.6
Tennessee	—	—	—	—	—	—	—	—
West South Central	93,444	95,886	82,185	83,988	1,381,482	1,407,717	266.7	249.5
Arkansas	346	357	250	277	17,729	31,912	262.6	241.6
Louisiana	12,199	12,696	14,358	14,790	258,206	240,863	268.7	274.2
Oklahoma	9,774	10,106	7,915	8,147	127,586	131,397	290.1	283.6
Texas	71,125	72,727	59,663	60,775	977,960	1,003,546	263.2	239.3
Mountain	4,858	4,941	5,202	5,293	106,894	88,449	246.4	225.3
Arizona	382	388	296	299	21,594	17,616	294.9	289.5
Colorado	109	109	149	149	2,140	2,133	319.7	189.4
Idaho	—	—	—	—	—	—	—	—
Montana	4	5	33	35	100	135	1,443.0	292.4
Nevada	2,224	2,285	2,487	2,551	49,561	40,065	212.0	205.6
New Mexico	2,123	2,138	2,230	2,251	31,133	26,387	259.6	215.7
Utah	—	—	—	—	2,277	2,027	203.0	179.0
Wyoming	15	16	7	7	87	85	1,002.0	1,114.2
Pacific Contiguous	23,358	23,892	23,979	24,567	364,229	319,789	299.0	252.0
California	22,190	22,712	22,675	23,248	355,053	305,188	302.7	257.7
Oregon	1,167	1,180	1,272	1,286	9,162	14,563	147.8	130.3
Washington	*	*	32	34	15	38	4,743.0	474.8
Pacific Noncontiguous	1,721	1,721	1,887	1,888	19,085	16,477	172.9	142.2
Alaska	1,721	1,721	1,887	1,888	19,085	16,477	172.9	142.2
Hawaii	—	—	—	—	—	—	—	—
U.S. Total	168,754	171,591	162,258	163,942	2,625,871	2,517,961	276.0	257.4

¹ Monetary values are expressed in nominal terms.

* Less than 0.5.

Notes: •Data for 1997 are preliminary. Data for 1996 are final. •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Includes small quantities of coke-oven, refinery, and blast-furnace gas. •Mcf=thousand cubic feet.

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

Table 43. Receipts and Average Cost of Gas Delivered to Electric Utilities by Type of Purchase, Census Division, and State, November 1997

Census Division and State	Firm Gas			Interruptible Gas			Spot Gas			Total Gas		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)
New England.....	4,234	396.2	4.09	1,983	366.5	3.80	37	382.4	3.94	6,253	386.7	4.00
Connecticut.....	—	—	—	622	327.3	3.38	—	—	—	622	327.3	3.38
Maine.....	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	1,750	401.1	4.16	1,361	384.4	3.99	30	386.1	3.98	3,140	393.7	4.08
New Hampshire.....	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island.....	2,484	392.8	4.05	—	—	—	5	343.6	3.54	2,488	392.7	4.05
Vermont.....	—	—	—	—	—	—	2	416.8	4.21	2	416.8	4.21
Middle Atlantic.....	986	470.9	4.77	8,766	369.6	3.81	3,300	359.7	3.66	13,052	374.7	3.85
New Jersey.....	—	—	—	695	403.9	4.19	*	1,093.2	11.40	695	403.9	4.19
New York.....	878	486.3	4.91	8,062	366.5	3.78	3,295	359.7	3.66	12,235	373.2	3.83
Pennsylvania.....	108	349.6	3.62	9	433.3	4.48	5	357.7	3.70	122	356.2	3.69
East North Central.....	47	393.7	4.00	3,002	326.4	1.38	3,975	328.6	3.34	7,023	328.6	2.51
Illinois.....	40	399.1	4.05	150	298.8	3.06	3,843	326.3	3.32	4,033	325.9	3.31
Indiana.....	—	—	—	83	394.4	4.03	—	—	—	83	394.4	4.03
Michigan.....	2	485.4	4.85	2,551	303.6	.97	99	385.0	3.85	2,653	312.9	1.08
Ohio.....	4	292.1	3.02	21	373.1	3.87	34	430.7	4.41	59	399.9	4.12
Wisconsin.....	—	—	—	197	407.0	4.11	—	—	—	197	407.0	4.11
West North Central.....	45	423.1	4.22	2,642	311.7	3.18	56	326.0	3.19	2,743	313.7	3.20
Iowa.....	20	487.5	4.94	218	408.2	4.09	—	—	—	238	414.9	4.17
Kansas.....	20	375.0	3.67	2,118	293.4	3.01	21	334.9	3.35	2,159	294.5	3.02
Minnesota.....	*	534.5	5.43	26	363.7	3.70	—	—	—	26	366.3	3.72
Missouri.....	—	—	—	218	354.5	3.59	36	320.6	3.10	254	350.0	3.52
Nebraska.....	4	329.0	3.29	62	436.2	4.36	—	—	—	66	429.0	4.29
North Dakota.....	—	—	—	*	472.2	5.07	—	—	—	*	472.2	5.07
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic.....	13,565	377.9	3.98	563	399.1	4.17	436	374.3	3.90	14,564	378.6	3.99
Delaware.....	681	248.9	2.58	—	—	—	—	—	—	681	248.9	2.58
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	12,884	384.6	4.06	357	423.2	4.46	29	113.0	1.19	13,270	385.0	4.06
Georgia.....	—	—	—	75	324.5	3.33	—	—	—	75	324.5	3.33
Maryland.....	—	—	—	62	392.6	4.10	65	390.6	4.09	127	391.6	4.10
North Carolina.....	—	—	—	22	474.6	4.95	—	—	—	22	474.6	4.95
South Carolina.....	—	—	—	1	390.4	4.00	—	—	—	1	390.4	4.00
Virginia.....	—	—	—	—	—	—	342	394.1	4.09	342	394.1	4.09
West Virginia.....	—	—	—	46	299.7	3.00	—	—	—	46	299.7	3.00
East South Central.....	—	—	—	404	342.7	3.53	1,334	345.4	3.53	1,739	344.8	3.53
Alabama.....	—	—	—	60	360.8	3.70	—	—	—	60	360.8	3.70
Kentucky.....	—	—	—	3	503.1	5.03	41	408.9	4.19	44	414.8	4.24
Mississippi.....	—	—	—	341	338.2	3.49	1,294	343.4	3.51	1,635	342.3	3.51
Tennessee.....	—	—	—	—	—	—	—	—	—	—	—	—
West South Central.....	51,914	346.7	3.55	4,869	305.7	3.15	36,661	323.1	3.33	93,444	335.3	3.44
Arkansas.....	186	260.8	2.67	—	—	—	161	350.8	3.65	346	302.8	3.12
Louisiana.....	6,085	365.0	3.78	1,183	311.5	3.26	4,931	333.4	3.48	12,199	346.9	3.61
Oklahoma.....	5,670	448.1	4.64	1,178	313.3	3.29	2,925	314.7	3.23	9,774	392.0	4.05
Texas.....	39,973	329.7	3.36	2,508	299.1	3.03	28,644	322.0	3.31	71,125	325.5	3.33
Mountain.....	965	357.3	3.60	3,680	275.1	2.80	212	407.7	4.16	4,858	297.1	3.02
Arizona.....	270	375.7	3.82	23	794.6	8.09	89	344.5	3.50	382	394.3	4.00
Colorado.....	109	391.1	3.90	—	—	—	—	—	—	109	391.1	3.90
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	2	992.7	10.30	2	292.4	3.47	—	—	—	4	613.9	6.84
Nevada.....	—	—	—	2,100	262.2	2.69	124	452.3	4.64	2,224	272.8	2.80
New Mexico.....	569	340.4	3.41	1,554	284.9	2.87	—	—	—	2,123	299.7	3.02
Utah.....	—	—	—	—	—	—	—	—	—	—	—	—
Wyoming.....	15	328.5	3.43	—	—	—	—	—	—	15	328.5	3.43
Pacific Contiguous.....	1,656	186.4	1.87	3,304	337.8	3.42	18,398	360.1	3.70	23,358	344.9	3.53
California.....	780	236.7	2.37	3,304	337.7	3.42	18,106	363.6	3.73	22,190	355.4	3.64
Oregon.....	875	142.0	1.44	—	—	—	292	142.0	1.44	1,167	142.0	1.44
Washington.....	—	—	—	*	489.0	5.16	—	—	—	*	489.0	5.16
Pacific Noncontiguous.....	1,721	183.9	1.84	—	—	—	—	—	—	1,721	183.9	1.84
Alaska.....	1,721	183.9	1.84	—	—	—	—	—	—	1,721	183.9	1.84
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—	—
U. S. Total.....	75,131	350.0	3.60	29,213	334.4	3.22	64,410	337.0	3.46	168,754	342.4	3.48

¹ Monetary values are expressed in nominal terms.

* = Less than 0.05.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1997 are preliminary. •Mcf=thousand cubic feet.

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

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

Table 44. U.S. Electric Utility Retail Sales of Electricity by Sector, 1987 Through December 1997
(Million Kilowatthours)

Period	Residential	Commercial	Industrial	Other ¹	All Sectors
1987.....	850,410	660,433	858,233	88,196	2,457,272
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					
January.....	96,573	68,986	81,785	7,936	255,281
February.....	86,711	65,468	79,305	7,655	239,139
March.....	79,475	66,368	82,942	7,680	236,465
April.....	68,574	64,069	81,866	7,350	221,859
May.....	70,082	66,973	85,087	7,447	229,589
June.....	84,218	75,189	87,603	8,000	255,010
July.....	104,021	82,537	86,676	8,312	281,546
August.....	114,903	85,203	90,320	8,574	299,000
September.....	93,900	77,380	86,026	8,680	265,986
October.....	74,704	72,376	85,901	8,071	241,053
November.....	76,927	68,025	82,701	7,826	235,479
December.....	92,414	70,110	82,482	7,876	252,882
Total.....	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.....	105,774	75,282	83,643	8,106	272,805
February.....	89,970	69,439	81,339	7,803	248,552
March.....	81,030	69,823	83,029	7,523	241,405
April.....	72,451	68,635	84,115	7,511	232,711
May.....	70,492	70,258	86,298	7,781	234,828
June.....	83,291	78,745	89,102	8,260	259,398
July.....	108,916	87,645	88,487	8,877	293,925
August.....	106,476	85,349	91,283	8,792	291,900
September.....	94,413	82,988	89,996	8,996	276,393
October.....	83,792	79,190	89,278	8,749	261,009
November.....	79,688	71,600	85,488	8,262	245,038
December.....	95,374	74,509	83,841	7,991	261,714
Year to Date					
1997.....	1,071,667	913,463	1,035,899	98,650	3,119,678
1996.....	1,082,491	887,425	1,030,356	97,539	3,097,810
1995.....	1,042,501	862,685	1,012,693	95,407	3,013,287

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

Notes: •Values for 1997 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 1996 and 1995 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for the adjustment methodology) and are final. Values for 1994 and prior years are final. •Values for 1996 in the commercial and industrial sectors for Maryland, the South Atlantic Census Division, and the U.S. Total reflect an electric utility's reclassification for this information by Standard Industrial Classification Code (SIC). •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

Table 45. Estimated U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, December 1997 and 1996
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1997	1996	1997	1996	1997	1996	1997	1996	1997	1996
New England	3,873	3,680	3,760	3,541	2,165	2,082	138	134	9,935	9,437
Connecticut.....	1,137	1,077	919	892	462	444	36	35	2,553	2,448
Maine.....	345	335	292	277	416	406	5	5	1,058	1,023
Massachusetts.....	1,617	1,558	1,862	1,758	838	818	64	63	4,381	4,197
New Hampshire.....	335	289	308	249	185	158	12	9	840	705
Rhode Island.....	241	232	234	225	120	116	17	17	613	590
Vermont.....	197	190	146	139	144	141	3	4	490	474
Middle Atlantic	9,636	9,461	10,086	9,927	7,137	7,172	1,282	1,252	28,140	27,812
New Jersey.....	1,916	1,889	2,428	2,430	1,065	1,085	51	50	5,460	5,454
New York.....	3,546	3,475	4,609	4,509	2,089	2,134	1,115	1,116	11,359	11,234
Pennsylvania.....	4,173	4,097	3,049	2,986	3,982	3,955	116	86	11,320	11,123
East North Central	14,546	14,926	11,634	11,502	17,728	17,814	1,260	1,354	45,168	45,596
Illinois.....	3,268	3,601	3,113	3,208	3,385	3,430	673	769	10,439	11,008
Indiana.....	2,389	2,640	1,477	1,520	3,686	3,589	51	50	7,602	7,799
Michigan.....	2,718	2,724	2,678	2,645	2,882	2,829	88	90	8,366	8,288
Ohio.....	4,433	4,164	3,033	2,887	5,724	6,014	374	372	13,564	13,438
Wisconsin.....	1,739	1,797	1,332	1,243	2,052	1,952	75	71	5,197	5,064
West North Central	7,319	7,547	5,175	5,224	6,546	6,281	464	471	19,504	19,522
Iowa.....	1,024	1,089	650	666	1,265	1,227	114	118	3,052	3,100
Kansas.....	951	895	889	899	789	716	34	34	2,662	2,544
Minnesota.....	1,549	1,651	842	854	2,299	2,311	68	63	4,757	4,880
Missouri.....	2,437	2,403	1,909	1,850	1,262	1,181	83	85	5,691	5,519
Nebraska.....	715	742	536	542	579	524	100	96	1,930	1,904
North Dakota.....	342	416	173	227	197	173	39	46	751	862
South Dakota.....	302	350	177	189	155	147	27	30	661	716
South Atlantic	22,540	21,757	16,676	15,912	12,493	12,430	1,624	1,638	53,333	51,737
Delaware.....	288	285	246	236	290	276	4	5	829	802
District of Columbia.....	137	147	624	603	20	25	31	30	812	806
Florida.....	6,358	6,060	5,093	4,894	1,307	1,370	440	421	13,198	12,745
Georgia.....	3,093	2,964	2,397	2,288	2,482	2,506	103	102	8,075	7,860
Maryland.....	2,096	2,158	1,982	1,885	877	845	71	77	5,027	4,965
North Carolina.....	4,096	3,916	2,565	2,444	2,786	2,642	160	136	9,607	9,137
South Carolina.....	1,996	1,932	1,204	1,099	2,454	2,337	66	65	5,720	5,432
Virginia.....	3,490	3,326	2,058	1,964	1,300	1,528	739	794	7,588	7,611
West Virginia.....	986	948	506	500	975	898	9	9	2,477	2,355
East South Central	8,356	8,186	3,514	2,825	10,874	11,446	426	433	23,170	22,890
Alabama.....	2,109	2,062	1,123	968	2,770	2,844	35	48	6,037	5,922
Kentucky.....	1,978	1,985	905	837	3,369	3,687	255	255	6,508	6,765
Mississippi.....	1,089	1,022	617	582	1,381	1,353	51	53	3,138	3,010
Tennessee.....	3,180	3,118	868	429	3,354	3,529	85	77	7,488	7,152
West South Central	11,389	10,745	8,337	7,995	12,944	12,711	1,419	1,337	34,089	32,788
Arkansas.....	1,051	1,014	566	549	1,254	1,198	44	45	2,914	2,806
Louisiana.....	1,650	1,524	1,201	1,156	2,529	2,761	191	191	5,571	5,633
Oklahoma.....	1,472	1,453	930	883	1,104	1,057	207	147	3,713	3,540
Texas.....	7,217	6,754	5,641	5,407	8,057	7,692	977	953	21,891	20,806
Mountain	5,774	5,429	4,969	4,729	5,591	5,505	591	531	16,925	16,194
Arizona.....	1,511	1,426	1,333	1,298	1,049	976	179	162	4,071	3,862
Colorado.....	1,190	1,139	1,266	1,179	821	850	77	76	3,355	3,244
Idaho.....	766	704	403	375	692	682	25	25	1,886	1,786
Montana.....	406	433	302	316	438	520	19	24	1,165	1,293
Nevada.....	638	580	450	391	849	772	66	53	2,004	1,797
New Mexico.....	418	374	433	408	506	484	122	111	1,479	1,377
Utah.....	614	553	550	547	657	679	64	74	1,885	1,853
Wyoming.....	231	219	232	212	580	542	38	7	1,080	981
Pacific Contiguous	11,528	11,574	9,927	9,700	7,981	8,406	768	880	30,204	30,560
California.....	6,285	6,049	6,802	6,499	4,672	4,803	388	477	18,147	17,829
Oregon.....	1,940	1,987	1,190	1,201	1,202	1,238	58	61	4,391	4,486
Washington.....	3,302	3,548	1,935	2,000	2,107	2,365	322	348	7,666	8,261
Pacific Noncontiguous	413	419	432	429	381	371	19	21	1,245	1,240
Alaska.....	186	190	213	213	75	65	14	16	488	484
Hawaii.....	227	228	219	216	307	305	5	5	758	755
U.S. Total	95,374	93,729	74,509	71,746	83,841	84,205	7,991	8,058	261,714	257,738

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

Notes: •Values for 1997 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 1996 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for adjustment methodology) and 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.

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

Table 46. Estimated Coefficients of Variation for U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division and State, December 1997
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.6	0.6	1.2	0.9	0.6
Connecticut.....	.0	.1	1.5	.7	.1
Maine.....	.1	3.3	1.1	14.4	.4
Massachusetts.....	1.4	1.1	2.6	1.4	1.3
New Hampshire.....	.5	.4	6.2	2.4	.5
Rhode Island.....	.1	.2	.1	.6	.2
Vermont.....	2.3	.3	2.2	2.8	.9
Middle Atlantic	1.4	.4	.8	.9	.6
New Jersey.....	.3	.2	1.1	.5	.4
New York.....	1.3	.5	.8	1.0	.6
Pennsylvania.....	3.1	1.0	1.4	1.9	1.4
East North Central	.9	.8	2.7	1.0	1.1
Illinois.....	1.5	.2	.6	.4	.6
Indiana.....	4.8	2.8	3.1	3.0	1.6
Michigan.....	.4	3.1	11.0	1.7	1.1
Ohio.....	1.1	.4	6.0	2.7	3.3
Wisconsin.....	.7	.4	.8	8.9	.3
West North Central	.8	.7	.5	3.7	.3
Iowa.....	.1	2.2	.7	1.5	.4
Kansas.....	2.0	1.2	.7	5.3	.3
Minnesota.....	2.4	2.7	.9	3.6	.8
Missouri.....	1.4	.6	.6	2.8	.6
Nebraska.....	3.0	1.3	2.4	16.6	1.8
North Dakota.....	2.0	6.4	7.8	3.7	1.7
South Dakota.....	1.6	2.3	2.3	6.9	.7
South Atlantic	.8	.4	.8	.8	.4
Delaware.....	.1	.2	.4	2.4	.2
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	.9	1.1	1.8	1.4	.5
Georgia.....	1.3	.5	.4	1.4	.5
Maryland.....	1.1	.5	.6	1.4	.5
North Carolina.....	3.3	.5	.6	4.7	1.0
South Carolina.....	2.5	.7	1.9	.9	1.0
Virginia.....	2.2	.5	6.2	.9	2.0
West Virginia.....	1.3	.6	.3	4.6	.8
East South Central	2.2	1.9	1.3	3.7	1.2
Alabama.....	4.0	3.9	1.2	10.5	1.5
Kentucky.....	5.8	2.0	3.3	.8	2.8
Mississippi.....	2.4	1.4	2.1	3.7	2.1
Tennessee.....	3.7	5.3	2.3	17.9	2.5
West South Central	2.9	.8	.7	1.0	.9
Arkansas.....	3.8	2.2	1.1	4.2	2.3
Louisiana.....	3.2	2.0	3.1	2.0	3.1
Oklahoma.....	1.7	1.3	.3	6.3	.4
Texas.....	4.5	1.0	.6	.6	1.2
Mountain	.6	.5	.5	2.7	.5
Arizona.....	.7	.5	1.5	1.8	.4
Colorado.....	1.8	.5	.5	3.3	1.6
Idaho.....	1.0	3.2	2.1	12.8	.6
Montana.....	1.9	.7	1.9	2.5	3.7
Nevada.....	2.4	1.7	1.8	2.0	1.5
New Mexico.....	.8	1.4	.3	1.4	.4
Utah.....	3.0	3.0	.6	3.7	1.9
Wyoming.....	3.3	2.0	.9	39.5	1.0
Pacific Contiguous	1.0	1.5	4.1	4.1	2.1
California.....	1.3	2.1	.3	8.0	.5
Oregon.....	3.1	.9	5.7	8.8	2.2
Washington.....	1.8	1.3	15.2	1.4	7.9
Pacific Noncontiguous	.5	1.6	3.3	7.1	1.8
Alaska.....	1.1	3.1	16.6	9.6	4.4
Hawaii.....	.5	.4	.3	.7	.4
U.S. Average	.5	.3	.7	.6	.4

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

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

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

Table 47. Estimated U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1997 and 1996
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1997	1996	1997	1996	1997	1996	1997	1996	1997	1996
New England	38,545	38,792	43,056	42,224	25,846	26,007	1,390	1,385	108,838	108,408
Connecticut.....	10,856	10,943	11,248	11,172	5,901	5,928	377	374	28,381	28,417
Maine.....	3,658	3,679	3,272	3,212	4,920	4,772	61	64	11,911	11,726
Massachusetts.....	16,207	16,256	20,976	20,346	9,790	10,085	598	607	47,572	47,294
New Hampshire.....	3,363	3,427	3,232	3,239	2,322	2,334	141	127	9,058	9,127
Rhode Island.....	2,481	2,481	2,649	2,607	1,336	1,351	174	165	6,641	6,604
Vermont.....	1,980	2,006	1,679	1,649	1,578	1,537	39	48	5,275	5,239
Middle Atlantic	104,710	106,561	119,670	118,464	86,148	86,758	14,055	14,257	324,583	326,040
New Jersey.....	22,433	22,632	29,776	30,152	13,780	13,603	507	502	66,495	66,889
New York.....	39,904	40,285	54,334	52,915	25,087	25,947	12,249	12,380	131,575	131,527
Pennsylvania.....	42,373	43,645	35,559	35,396	47,281	47,208	1,299	1,375	126,512	127,623
East North Central	153,590	156,555	140,854	139,229	221,669	217,018	15,371	15,321	531,483	528,123
Illinois.....	36,966	37,535	38,143	37,432	42,139	42,050	8,635	8,572	125,882	125,589
Indiana.....	26,294	26,860	18,148	18,292	43,403	43,203	554	546	88,400	88,901
Michigan.....	28,676	28,901	32,538	32,038	35,296	34,499	846	863	97,355	96,302
Ohio.....	43,280	44,573	36,276	36,034	75,756	73,394	4,592	4,585	159,903	158,587
Wisconsin.....	18,375	18,685	15,749	15,433	25,074	23,871	744	755	59,943	58,744
West North Central	80,788	80,583	61,586	61,809	78,687	75,682	5,733	5,548	226,794	223,623
Iowa.....	11,582	11,537	7,440	7,338	15,361	14,789	1,311	1,335	35,694	34,999
Kansas.....	11,131	10,672	11,132	11,005	9,587	9,231	388	383	32,238	31,291
Minnesota.....	16,899	17,157	9,636	10,115	27,751	26,934	716	735	55,002	54,942
Missouri.....	26,319	26,448	22,803	22,522	15,078	14,915	976	958	65,176	64,843
Nebraska.....	8,005	7,741	6,489	6,272	6,696	6,193	1,562	1,291	22,752	21,497
North Dakota.....	3,503	3,602	1,964	2,378	2,302	1,835	466	500	8,236	8,314
South Dakota.....	3,350	3,426	2,122	2,179	1,910	1,785	314	346	7,696	7,736
South Atlantic	255,441	261,981	205,129	199,778	160,918	157,304	20,283	19,956	641,771	639,019
Delaware.....	3,230	3,271	3,006	2,911	3,734	3,399	55	59	10,025	9,641
District of Columbia.....	1,554	1,614	7,925	7,905	262	252	366	366	10,107	10,137
Florida.....	87,969	88,315	64,254	60,988	17,230	17,212	5,605	5,317	175,059	171,832
Georgia.....	36,160	37,763	29,723	29,140	33,255	33,175	1,258	1,229	100,395	101,307
Maryland.....	22,090	22,986	23,481	23,126	10,168	10,098	741	787	56,481	56,998
North Carolina.....	40,281	41,592	31,083	30,662	35,097	34,142	1,978	1,901	108,439	108,296
South Carolina.....	21,275	22,514	14,962	14,545	30,712	29,185	850	843	67,798	67,086
Virginia.....	33,866	34,651	24,765	24,565	19,274	19,021	9,337	9,359	87,242	87,596
West Virginia.....	9,016	9,277	5,930	5,936	11,185	10,820	93	94	26,224	26,127
East South Central	93,180	97,285	44,942	37,447	131,217	137,276	5,297	5,396	274,637	277,405
Alabama.....	24,586	25,634	14,127	13,328	34,155	33,523	542	620	73,410	73,104
Kentucky.....	20,689	21,353	10,780	10,659	41,132	41,930	3,059	3,077	75,659	77,019
Mississippi.....	14,517	14,965	8,400	7,913	15,923	16,043	662	702	39,501	39,622
Tennessee.....	33,388	35,333	11,636	5,548	40,008	45,781	1,035	996	86,067	87,659
West South Central	156,152	154,204	109,124	105,780	157,255	155,152	18,382	18,010	440,912	433,147
Arkansas.....	12,898	12,934	7,536	7,442	15,267	15,139	633	621	36,335	36,137
Louisiana.....	24,302	24,311	16,231	15,920	32,442	32,544	2,531	2,494	75,506	75,269
Oklahoma.....	17,308	17,303	11,758	11,553	12,601	12,160	2,480	2,276	44,148	43,291
Texas.....	101,644	99,656	73,598	70,866	96,944	95,308	12,737	12,619	284,923	278,450
Mountain	63,343	61,394	61,957	59,456	66,111	66,962	8,891	7,366	200,302	195,177
Arizona.....	20,717	19,746	17,865	17,252	12,885	12,783	2,567	2,303	54,034	52,085
Colorado.....	12,225	11,871	14,852	14,239	9,594	9,947	996	1,016	37,667	37,073
Idaho.....	6,635	6,508	5,970	5,883	8,356	8,380	326	348	21,288	21,119
Montana.....	3,777	3,911	3,331	3,299	5,146	6,306	236	305	12,490	13,820
Nevada.....	7,769	7,526	5,425	5,150	9,789	9,075	1,921	823	24,903	22,574
New Mexico.....	4,467	4,328	5,472	5,296	5,855	5,921	1,513	1,628	17,307	17,173
Utah.....	5,690	5,481	6,501	5,911	7,393	7,660	865	806	20,449	19,858
Wyoming.....	2,063	2,022	2,540	2,425	7,093	6,891	468	138	12,164	11,475
Pacific Contiguous	121,498	120,693	122,072	118,226	103,376	103,728	9,043	10,063	355,991	352,711
California.....	72,762	71,396	86,875	83,392	59,685	57,683	4,535	5,642	223,857	218,112
Oregon.....	17,128	17,285	13,567	13,388	15,650	15,804	714	708	47,059	47,185
Washington.....	31,608	32,012	21,631	21,446	28,041	30,241	3,795	3,713	85,075	87,413
Pacific Noncontiguous	4,419	4,442	5,073	5,011	4,671	4,468	205	237	14,367	14,159
Alaska.....	1,749	1,766	2,298	2,250	820	584	148	179	5,016	4,780
Hawaii.....	2,669	2,676	2,775	2,761	3,850	3,884	57	58	9,351	9,379
U.S. Total	1,071,667	1,082,491	913,463	887,425	1,035,899	1,030,356	98,650	97,539	3,119,678	3,097,810

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

Notes: •Values for 1997 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 1996 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for adjustment methodology) and 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.

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

Table 48. Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, 1987 Through December 1997
(Million Dollars)

Period	Residential	Commercial	Industrial	Other ¹	All Sectors
1987	63,318	46,787	40,949	5,479	156,532
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					
January	7,583	5,059	3,667	528	16,837
February	6,945	4,906	3,612	517	15,980
March	6,469	4,999	3,755	521	15,745
April	5,769	4,804	3,693	489	14,755
May	5,979	5,119	3,861	518	15,477
June	7,346	5,976	4,219	572	18,112
July	9,155	6,655	4,290	593	20,693
August	10,088	6,773	4,493	601	21,955
September	8,048	6,067	4,118	597	18,831
October	6,463	5,681	4,044	568	16,755
November	6,356	5,167	3,731	535	15,789
December	7,407	5,160	3,693	527	16,787
Total	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	5,505	3,712	552	18,115
February	7,202	5,156	3,613	524	16,496
March	6,706	5,231	3,681	526	16,143
April	6,089	5,109	3,659	517	15,374
May	6,120	5,357	3,812	535	15,825
June	7,449	6,247	4,131	578	18,405
July	9,554	6,936	4,288	594	21,371
August	9,402	6,797	4,371	611	21,182
September	8,289	6,561	4,275	623	19,747
October	7,221	6,104	4,125	598	18,048
November	6,595	5,355	3,815	546	16,311
December	7,687	5,428	3,688	537	17,339
Year to Date					
1997	90,662	69,786	47,168	6,740	214,356
1996	90,501	67,827	47,385	6,741	212,455
1995	87,610	66,365	47,175	6,567	207,717

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

Notes: *Values for 1997 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 1996 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for adjustment methodology) and are final. Values for 1995 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for the adjustment methodology) and are final. Values for 1994 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, December 1997 and 1996
(Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1997	1996	1997	1996	1997	1996	1997	1996	1997	1996
New England	475	453	392	348	189	167	19	17	1,075	984
Connecticut.....	133	125	93	87	36	35	5	4	266	251
Maine.....	45	42	34	33	32	31	1	1	112	107
Massachusetts.....	197	189	191	161	83	66	8	8	480	424
New Hampshire.....	46	42	33	28	17	14	2	1	98	86
Rhode Island.....	29	30	23	20	9	9	2	2	63	61
Vermont.....	26	25	18	18	12	12	1	1	56	55
Middle Atlantic	1,108	1,070	1,011	989	417	432	117	112	2,652	2,603
New Jersey.....	221	219	243	245	84	88	8	8	557	559
New York.....	493	478	524	505	103	118	96	95	1,216	1,195
Pennsylvania.....	393	374	245	239	230	227	13	10	880	849
East North Central	1,173	1,193	814	814	764	763	80	87	2,831	2,857
Illinois.....	307	336	220	237	154	161	41	48	721	781
Indiana.....	161	175	89	91	146	143	4	4	399	413
Michigan.....	233	232	209	205	142	144	8	8	592	589
Ohio.....	352	326	220	212	245	246	22	22	839	806
Wisconsin.....	120	123	75	69	78	70	5	5	278	266
West North Central	478	485	291	294	259	246	27	28	1,055	1,053
Iowa.....	81	82	41	41	46	45	7	7	175	174
Kansas.....	66	65	54	58	35	33	3	3	158	158
Minnesota.....	107	112	49	50	95	93	4	4	255	259
Missouri.....	144	138	98	94	48	44	5	5	295	282
Nebraska.....	40	40	27	27	20	18	5	6	92	91
North Dakota.....	20	24	10	13	9	7	2	2	40	46
South Dakota.....	21	23	12	12	7	6	1	1	41	43
South Atlantic	1,676	1,609	1,040	993	513	510	103	102	3,331	3,214
Delaware.....	25	24	17	16	14	12	1	1	56	53
District of Columbia.....	10	10	39	36	1	1	2	2	52	48
Florida.....	508	498	327	332	66	72	30	29	931	931
Georgia.....	212	190	166	155	96	98	9	9	483	451
Maryland.....	154	156	114	92	33	29	6	6	306	282
North Carolina.....	314	304	157	149	123	121	11	10	605	584
South Carolina.....	148	143	75	69	86	85	4	4	314	301
Virginia.....	246	230	118	117	59	58	40	42	463	447
West Virginia.....	59	56	27	27	35	33	1	1	121	117
East South Central	507	486	213	176	404	424	25	25	1,149	1,111
Alabama.....	135	131	70	65	103	103	3	4	312	302
Kentucky.....	102	102	44	41	95	98	11	11	252	252
Mississippi.....	74	71	41	42	56	59	4	5	176	177
Tennessee.....	196	182	58	28	150	164	6	6	410	380
West South Central	802	754	555	531	533	505	88	85	1,978	1,875
Arkansas.....	77	74	36	36	54	51	3	3	170	163
Louisiana.....	124	106	89	80	119	106	14	15	346	307
Oklahoma.....	86	83	46	42	38	35	9	5	179	165
Texas.....	515	490	383	374	323	314	62	62	1,283	1,240
Mountain	410	390	308	299	214	213	31	31	963	934
Arizona.....	121	115	94	94	48	45	9	8	271	263
Colorado.....	87	83	72	68	35	36	6	6	201	193
Idaho.....	37	37	17	16	17	17	1	1	72	71
Montana.....	27	28	19	21	16	19	2	2	64	70
Nevada.....	44	41	28	26	34	33	2	2	109	103
New Mexico.....	38	34	36	33	24	22	7	7	104	96
Utah.....	42	38	30	30	21	24	3	3	96	95
Wyoming.....	14	13	12	10	20	19	1	1	47	43
Pacific Contiguous	1,004	994	754	737	357	393	45	44	2,160	2,168
California.....	729	697	596	571	248	278	30	27	1,602	1,573
Oregon.....	106	111	59	60	41	43	3	3	210	218
Washington.....	169	186	99	105	68	72	12	14	347	377
Pacific Noncontiguous	55	55	49	50	38	38	3	3	145	146
Alaska.....	21	21	21	20	6	5	2	3	50	48
Hawaii.....	34	34	28	30	32	33	1	1	96	98
U.S. Total	7,687	7,491	5,428	5,231	3,688	3,691	537	535	17,339	16,947

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

Notes: *Values for 1997 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 1996 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for adjustment methodology) and 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.

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, December 1997
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	1.7	3.8	4.5	3.0	3.0
Connecticut.....	.3	.6	.3	.3	.4
Maine.....	.2	2.4	2.5	6.9	.0
Massachusetts.....	4.0	7.8	10.2	5.4	6.6
New Hampshire.....	1.5	.8	5.3	14.6	1.8
Rhode Island.....	.1	.0	.1	.9	.1
Vermont.....	1.0	.4	5.7	7.3	1.4
Middle Atlantic	1.4	.4	.6	1.0	.7
New Jersey.....	.2	.4	1.3	.1	.4
New York.....	1.1	.5	.6	1.2	.6
Pennsylvania.....	3.6	1.5	1.0	.2	2.0
East North Central	1.1	.9	2.1	.6	.7
Illinois.....	1.0	.9	1.4	.4	1.0
Indiana.....	6.1	2.9	2.9	2.9	2.5
Michigan.....	1.0	3.2	9.4	1.3	1.6
Ohio.....	2.1	.6	3.2	.9	1.2
Wisconsin.....	1.6	1.3	2.1	6.5	1.5
West North Central	1.1	.9	.8	4.1	.7
Iowa.....	2.0	1.3	2.0	.5	.8
Kansas.....	1.6	2.0	1.5	2.7	.8
Minnesota.....	2.8	2.3	1.0	2.1	1.2
Missouri.....	2.4	1.8	2.4	8.6	2.0
Nebraska.....	3.0	.4	1.4	19.6	.6
North Dakota.....	1.5	6.2	8.0	2.4	1.5
South Dakota.....	2.0	2.8	2.3	3.9	1.1
South Atlantic	.7	.6	.7	.7	.4
Delaware.....	.5	1.1	1.0	.7	.7
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	.6	1.5	1.6	.8	.4
Georgia.....	1.3	.9	1.3	1.7	1.4
Maryland.....	2.2	2.0	.9	1.3	1.7
North Carolina.....	1.8	.5	1.2	5.3	.3
South Carolina.....	1.2	1.7	3.3	1.9	2.3
Virginia.....	3.3	.8	1.6	.5	1.9
West Virginia.....	.9	.5	.4	2.3	.6
East South Central	2.8	2.3	1.0	2.3	1.7
Alabama.....	6.5	5.3	1.3	2.6	3.9
Kentucky.....	7.1	2.5	2.5	1.4	3.0
Mississippi.....	3.3	1.5	2.4	3.4	2.0
Tennessee.....	4.1	5.1	2.0	8.6	3.0
West South Central	2.8	1.1	1.9	1.3	1.0
Arkansas.....	2.4	.3	2.2	3.0	1.7
Louisiana.....	5.4	4.3	4.6	2.2	5.1
Oklahoma.....	2.3	3.0	3.1	3.1	.6
Texas.....	4.2	1.2	2.5	1.6	.8
Mountain	.9	.8	1.1	2.9	.9
Arizona.....	1.6	1.8	2.3	6.8	1.8
Colorado.....	2.6	2.1	1.5	7.5	2.6
Idaho.....	.6	4.0	3.2	8.3	.5
Montana.....	2.6	2.5	3.4	6.5	5.2
Nevada.....	2.6	.5	5.0	5.3	2.8
New Mexico.....	1.6	2.1	1.8	5.7	2.0
Utah.....	2.6	2.5	.0	3.1	1.7
Wyoming.....	3.5	2.3	1.0	17.7	.8
Pacific Contiguous	.7	2.8	3.3	4.1	1.4
California.....	.3	3.5	2.8	5.7	1.5
Oregon.....	5.3	2.5	5.0	3.7	2.7
Washington.....	2.0	1.3	13.6	6.1	5.0
Pacific Noncontiguous	.7	1.9	3.0	6.7	1.6
Alaska.....	1.3	4.2	20.1	8.7	4.5
Hawaii.....	.8	.9	.4	.5	.6
U.S. Average	.5	.5	.7	.6	.4

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

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

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

Table 51. Estimated Revenue from U.S. Electric Utility Retail Sales to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1997 and 1996
(Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1997	1996	1997	1996	1997	1996	1997	1996	1997	1996
New England	4,645	4,584	4,470	4,302	2,079	2,060	205	199	11,399	11,146
Connecticut.....	1,317	1,319	1,157	1,149	458	466	54	54	2,986	2,987
Maine.....	466	463	340	333	315	299	15	15	1,136	1,109
Massachusetts.....	1,873	1,829	2,157	2,022	863	850	89	88	4,981	4,789
New Hampshire.....	457	461	365	367	208	214	21	17	1,051	1,058
Rhode Island.....	301	293	275	265	118	115	22	20	716	692
Vermont.....	231	221	175	167	117	117	6	6	529	511
Middle Atlantic	12,547	12,616	12,665	12,454	5,194	5,368	1,387	1,377	31,792	31,815
New Jersey.....	2,716	2,714	3,095	3,111	1,122	1,109	93	92	7,026	7,026
New York.....	5,662	5,654	6,607	6,390	1,325	1,459	1,143	1,130	14,736	14,633
Pennsylvania.....	4,169	4,248	2,963	2,952	2,746	2,800	151	155	10,030	10,155
East North Central	13,243	13,265	10,367	10,266	9,753	9,610	1,071	1,069	34,434	34,210
Illinois.....	3,876	3,882	3,038	2,984	2,247	2,204	593	586	9,754	9,655
Indiana.....	1,878	1,819	1,113	1,086	1,740	1,696	53	50	4,784	4,651
Michigan.....	2,500	2,448	2,573	2,543	1,776	1,751	96	94	6,944	6,836
Ohio.....	3,725	3,831	2,768	2,778	3,065	3,086	279	288	9,836	9,983
Wisconsin.....	1,264	1,285	875	876	925	873	51	51	3,115	3,084
West North Central	5,889	5,826	3,808	3,825	3,364	3,211	356	356	13,418	13,218
Iowa.....	959	942	495	479	610	578	83	80	2,147	2,078
Kansas.....	851	839	715	733	438	434	37	35	2,041	2,041
Minnesota.....	1,242	1,223	609	621	1,204	1,148	54	53	3,108	3,046
Missouri.....	1,864	1,873	1,369	1,360	676	662	67	67	3,976	3,962
Nebraska.....	511	487	352	345	246	228	81	84	1,190	1,143
North Dakota.....	222	223	125	144	105	81	21	21	473	469
South Dakota.....	240	240	143	143	86	79	15	16	483	478
South Atlantic	20,322	20,530	13,574	13,177	6,889	6,841	1,279	1,255	42,063	41,804
Delaware.....	300	293	218	204	182	159	7	7	706	664
District of Columbia.....	122	125	589	585	12	11	24	23	747	745
Florida.....	7,165	7,060	4,279	4,043	897	879	390	362	12,731	12,343
Georgia.....	2,815	2,892	2,106	2,089	1,386	1,423	108	110	6,415	6,514
Maryland.....	1,840	1,898	1,614	1,580	430	419	67	68	3,951	3,966
North Carolina.....	3,263	3,348	2,001	1,959	1,665	1,634	140	133	7,069	7,075
South Carolina.....	1,611	1,688	953	928	1,128	1,135	51	51	3,744	3,802
Virginia.....	2,641	2,633	1,487	1,451	775	759	483	492	5,386	5,334
West Virginia.....	565	592	326	339	414	423	8	9	1,314	1,362
East South Central	5,848	6,018	2,752	2,347	4,896	5,303	319	326	13,816	13,993
Alabama.....	1,654	1,700	912	865	1,287	1,306	41	42	3,894	3,913
Kentucky.....	1,167	1,185	559	553	1,198	1,222	143	143	3,065	3,104
Mississippi.....	1,024	1,054	565	561	674	707	54	61	2,318	2,383
Tennessee.....	2,003	2,078	717	369	1,737	2,067	81	79	4,538	4,594
West South Central	11,932	11,741	7,269	7,062	6,567	6,382	1,153	1,163	26,921	26,348
Arkansas.....	1,013	1,005	513	502	676	676	45	41	2,248	2,224
Louisiana.....	1,846	1,836	1,147	1,134	1,439	1,405	170	194	4,602	4,569
Oklahoma.....	1,147	1,160	676	670	461	459	118	116	2,403	2,405
Texas.....	7,925	7,740	4,933	4,756	3,991	3,842	820	813	17,669	17,151
Mountain	4,776	4,654	3,989	3,884	2,679	2,751	422	418	11,866	11,708
Arizona.....	1,824	1,767	1,399	1,375	662	664	124	124	4,010	3,930
Colorado.....	913	889	860	844	417	432	81	78	2,270	2,244
Idaho.....	341	344	249	251	216	224	15	17	822	835
Montana.....	247	243	197	182	174	208	18	20	636	653
Nevada.....	526	519	342	340	441	445	42	37	1,350	1,342
New Mexico.....	405	386	438	420	269	258	89	97	1,201	1,161
Utah.....	392	381	371	349	257	283	36	36	1,056	1,049
Wyoming.....	128	124	134	123	244	237	16	10	523	495
Pacific Contiguous	10,868	10,684	10,306	9,935	5,287	5,420	516	547	26,977	26,586
California.....	8,331	8,088	8,580	8,199	4,034	4,018	345	364	21,290	20,668
Oregon.....	966	984	687	689	505	539	35	41	2,193	2,253
Washington.....	1,572	1,612	1,038	1,047	749	863	135	142	3,494	3,665
Pacific Noncontiguous	593	582	587	574	459	439	32	31	1,671	1,627
Alaska.....	201	201	220	215	63	49	25	24	509	489
Hawaii.....	393	382	366	359	396	390	7	7	1,162	1,137
U.S. Total	90,662	90,501	69,786	67,827	47,168	47,385	6,740	6,741	214,356	212,455

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

Notes: •Values for 1997 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 1996 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for adjustment methodology) and 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.

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,
1987 Through December 1997**
(Cents)

Period	Residential	Commercial	Industrial	Other ¹	All Sectors
1987.....	7.45	7.08	4.77	6.21	6.37
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					
January.....	7.85	7.33	4.48	6.65	6.60
February.....	8.01	7.49	4.55	6.76	6.68
March.....	8.14	7.53	4.53	6.79	6.66
April.....	8.41	7.50	4.51	6.65	6.65
May.....	8.53	7.64	4.54	6.96	6.74
June.....	8.72	7.95	4.82	7.15	7.10
July.....	8.80	8.06	4.95	7.14	7.35
August.....	8.78	7.95	4.97	7.01	7.34
September.....	8.57	7.84	4.79	6.88	7.08
October.....	8.65	7.85	4.71	7.03	6.95
November.....	8.26	7.60	4.51	6.83	6.71
December.....	8.02	7.36	4.48	6.69	6.64
Average.....	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.....	7.89	7.31	4.44	6.80	6.64
February.....	8.01	7.43	4.44	6.72	6.64
March.....	8.28	7.49	4.43	6.99	6.69
April.....	8.40	7.44	4.35	6.89	6.61
May.....	8.68	7.63	4.42	6.88	6.74
June.....	8.94	7.93	4.64	7.00	7.10
July.....	8.77	7.91	4.85	6.69	7.27
August.....	8.83	7.96	4.79	6.95	7.26
September.....	8.78	7.91	4.75	6.93	7.14
October.....	8.62	7.71	4.62	6.83	6.91
November.....	8.28	7.48	4.46	6.60	6.66
December.....	8.06	7.28	4.40	6.72	6.63
Year-to-Date Average					
1997 Average.....	8.46	7.64	4.55	6.83	6.87
1996 Average.....	8.43	7.67	4.61	6.93	6.88

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

Notes: •Values for 1997 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 1996 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for adjustment methodology) and are final. Values for 1995 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for the adjustment methodology) and are final. Values for 1994 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, December 1997 and 1996
(Cents)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1997	1996	1997	1996	1997	1996	1997	1996	1997	1996
New England	12.3	12.3	10.4	9.8	8.7	8.0	13.8	12.6	10.8	10.4
Connecticut.....	11.7	11.6	10.1	9.8	7.7	7.8	12.6	12.8	10.4	10.3
Maine.....	12.9	12.7	11.7	11.8	7.6	7.6	23.9	22.7	10.6	10.5
Massachusetts.....	12.2	12.1	10.3	9.2	9.9	8.0	13.3	12.6	10.9	10.1
New Hampshire.....	13.6	14.5	10.6	11.4	9.3	9.1	18.3	9.6	11.6	12.1
Rhode Island.....	12.2	12.7	9.7	9.0	7.6	7.6	11.7	12.0	10.3	10.3
Vermont.....	13.1	13.1	12.1	12.8	8.5	8.5	16.9	13.3	11.5	11.6
Middle Atlantic	11.5	11.3	10.0	10.0	5.8	6.0	9.1	8.9	9.4	9.4
New Jersey.....	11.6	11.6	10.0	10.1	7.9	8.1	15.2	15.3	10.2	10.2
New York.....	13.9	13.7	11.4	11.2	4.9	5.5	8.6	8.5	10.7	10.6
Pennsylvania.....	9.4	9.1	8.0	8.0	5.8	5.7	10.9	11.2	7.8	7.6
East North Central	8.1	8.0	7.0	7.1	4.3	4.3	6.3	6.4	6.3	6.3
Illinois.....	9.4	9.3	7.1	7.4	4.5	4.7	6.0	6.2	6.9	7.1
Indiana.....	6.7	6.6	6.0	6.0	4.0	4.0	8.3	8.2	5.3	5.3
Michigan.....	8.6	8.5	7.8	7.8	4.9	5.1	9.2	9.1	7.1	7.1
Ohio.....	7.9	7.8	7.3	7.3	4.3	4.1	5.8	6.0	6.2	6.0
Wisconsin.....	6.9	6.8	5.7	5.5	3.8	3.6	6.8	6.4	5.4	5.3
West North Central	6.5	6.4	5.6	5.6	4.0	3.9	5.7	5.9	5.4	5.4
Iowa.....	7.9	7.5	6.3	6.1	3.7	3.7	5.8	5.6	5.7	5.6
Kansas.....	7.0	7.3	6.1	6.4	4.4	4.5	8.5	8.7	5.9	6.2
Minnesota.....	6.9	6.8	5.8	5.9	4.1	4.0	6.6	6.3	5.4	5.3
Missouri.....	5.9	5.8	5.1	5.1	3.8	3.7	5.7	6.3	5.2	5.1
Nebraska.....	5.6	5.4	5.1	4.9	3.4	3.4	5.0	6.0	4.8	4.8
North Dakota.....	5.7	5.8	6.0	5.7	4.4	4.2	4.2	3.7	5.4	5.3
South Dakota.....	6.9	6.6	6.6	6.4	4.4	4.4	4.3	4.2	6.1	6.0
South Atlantic	7.4	7.4	6.2	6.2	4.1	4.1	6.3	6.2	6.3	6.2
Delaware.....	8.7	8.4	6.8	6.7	4.8	4.5	13.1	11.5	6.8	6.6
District of Columbia.....	7.2	6.8	6.3	5.9	3.7	3.4	6.1	6.0	6.4	6.0
Florida.....	8.0	8.2	6.4	6.8	5.0	5.2	6.9	6.9	7.1	7.3
Georgia.....	6.9	6.4	6.9	6.8	3.9	3.9	8.8	8.4	6.0	5.7
Maryland.....	7.3	7.2	5.7	4.9	3.8	3.4	7.8	7.2	6.1	5.7
North Carolina.....	7.7	7.8	6.1	6.1	4.4	4.6	6.9	7.2	6.3	6.4
South Carolina.....	7.4	7.4	6.3	6.3	3.5	3.6	6.3	6.3	5.5	5.5
Virginia.....	7.0	6.9	5.7	5.9	4.5	3.8	5.3	5.3	6.1	5.9
West Virginia.....	6.0	5.9	5.4	5.4	3.5	3.7	7.9	8.1	4.9	5.0
East South Central	6.1	5.9	6.1	6.2	3.7	3.7	5.8	5.9	5.0	4.9
Alabama.....	6.4	6.4	6.2	6.7	3.7	3.6	9.5	7.4	5.2	5.1
Kentucky.....	5.1	5.1	4.9	4.9	2.8	2.7	4.3	4.3	3.9	3.7
Mississippi.....	6.8	6.9	6.7	7.2	4.1	4.4	8.6	9.0	5.6	5.9
Tennessee.....	6.2	5.8	6.7	6.6	4.5	4.6	7.1	8.1	5.5	5.3
West South Central	7.0	7.0	6.6	6.6	4.1	4.0	6.2	6.4	5.8	5.7
Arkansas.....	7.3	7.3	6.5	6.5	4.3	4.2	7.0	6.4	5.8	5.8
Louisiana.....	7.5	7.0	7.4	6.9	4.7	3.8	7.5	7.9	6.2	5.5
Oklahoma.....	5.9	5.7	4.9	4.7	3.4	3.3	4.2	3.6	4.8	4.7
Texas.....	7.1	7.3	6.8	6.9	4.0	4.1	6.4	6.5	5.9	6.0
Mountain	7.1	7.2	6.2	6.3	3.8	3.9	5.2	5.8	5.7	5.8
Arizona.....	8.0	8.1	7.1	7.3	4.5	4.6	4.8	5.2	6.7	6.8
Colorado.....	7.3	7.3	5.7	5.7	4.3	4.2	8.4	8.0	6.0	5.9
Idaho.....	4.9	5.2	4.2	4.3	2.4	2.5	5.1	4.8	3.8	4.0
Montana.....	6.7	6.5	6.3	6.7	3.6	3.7	7.8	7.2	5.5	5.4
Nevada.....	6.9	7.1	6.3	6.7	4.0	4.3	3.3	4.2	5.4	5.7
New Mexico.....	9.0	9.1	8.2	8.1	4.7	4.5	5.5	6.7	7.0	7.0
Utah.....	6.8	6.9	5.5	5.5	3.2	3.5	4.3	3.4	5.1	5.1
Wyoming.....	5.9	6.0	5.2	4.8	3.5	3.5	3.1	13.2	4.3	4.4
Pacific Contiguous	8.7	8.6	7.6	7.6	4.5	4.7	5.9	5.0	7.1	7.1
California.....	11.6	11.5	8.8	8.8	5.3	5.8	7.6	5.7	8.8	8.8
Oregon.....	5.5	5.6	5.0	5.0	3.4	3.5	5.6	5.5	4.8	4.9
Washington.....	5.1	5.3	5.1	5.2	3.2	3.0	3.9	3.9	4.5	4.6
Pacific Noncontiguous	13.4	13.0	11.4	11.6	9.9	10.4	14.6	15.3	11.7	11.8
Alaska.....	11.3	10.9	9.8	9.4	7.5	8.0	15.2	16.1	10.2	10.0
Hawaii.....	15.2	14.9	13.0	13.8	10.5	10.9	12.8	13.1	12.7	12.9
U.S. Average	8.06	7.99	7.28	7.3	4.40	4.4	6.72	6.63	6.63	6.58

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

Notes: •Values for 1997 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 1996 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for adjustment methodology) and 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.

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, December 1997
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	1.1	3.3	3.5	2.4	2.4
Connecticut.....	.3	.5	1.3	.5	.5
Maine.....	.1	1.0	1.4	7.4	.4
Massachusetts.....	2.6	6.7	7.7	4.2	5.3
New Hampshire.....	2.0	1.0	1.0	12.3	1.4
Rhode Island.....	.1	.2	.0	.4	.0
Vermont.....	1.8	.7	3.6	5.5	1.0
Middle Atlantic	.3	.4	.6	.3	.3
New Jersey.....	.1	.2	.2	.6	.1
New York.....	.8	.8	.8	.2	.5
Pennsylvania.....	.5	.8	.9	2.1	.8
East North Central	.7	.4	1.1	.9	1.0
Illinois.....	2.1	.9	2.0	.1	1.5
Indiana.....	1.3	.7	.8	2.1	1.4
Michigan.....	1.3	.3	2.2	2.8	2.5
Ohio.....	1.0	.6	3.0	2.7	2.3
Wisconsin.....	1.8	1.7	2.4	4.7	1.9
West North Central	.8	.5	.6	2.4	.6
Iowa.....	1.9	1.0	1.3	1.1	.3
Kansas.....	.5	1.0	1.2	2.5	.7
Minnesota.....	.6	1.0	.3	1.8	.7
Missouri.....	2.3	1.4	2.3	9.1	1.9
Nebraska.....	.8	1.2	2.6	9.0	1.6
North Dakota.....	1.1	1.6	1.5	2.8	.9
South Dakota.....	.8	1.7	1.1	5.1	1.2
South Atlantic	.5	.3	.6	.4	.3
Delaware.....	.5	.9	1.4	1.7	.8
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	.4	.4	1.3	.8	.4
Georgia.....	2.0	.4	.8	2.1	1.0
Maryland.....	1.5	1.6	.8	.4	1.4
North Carolina.....	1.7	1.0	.6	1.3	.8
South Carolina.....	1.6	1.8	1.5	1.3	1.6
Virginia.....	1.1	.3	4.6	.4	.1
West Virginia.....	.4	.3	.2	2.4	.2
East South Central	.9	.6	.9	2.7	.9
Alabama.....	2.5	1.5	2.0	8.4	2.4
Kentucky.....	2.3	1.2	1.1	.7	1.7
Mississippi.....	1.3	.4	1.4	2.5	.8
Tennessee.....	.6	.3	1.7	13.3	.7
West South Central	.7	1.0	1.6	1.3	.7
Arkansas.....	1.4	1.9	1.3	1.8	.7
Louisiana.....	3.5	2.6	1.6	3.4	2.0
Oklahoma.....	1.2	1.7	2.8	3.2	.6
Texas.....	.6	1.2	2.5	1.4	.9
Mountain	.5	.8	1.0	3.4	.6
Arizona.....	1.0	1.7	3.4	5.8	1.7
Colorado.....	.8	1.6	1.0	9.4	1.0
Idaho.....	.4	.8	1.3	5.3	.5
Montana.....	3.8	3.0	1.7	5.0	2.3
Nevada.....	.3	1.2	3.4	7.1	1.4
New Mexico.....	.9	3.5	2.1	6.4	2.3
Utah.....	.4	.6	.6	.9	.3
Wyoming.....	.5	.6	.3	22.5	.5
Pacific Contiguous	1.0	1.8	2.3	4.7	1.6
California.....	1.5	2.1	2.5	8.1	1.2
Oregon.....	2.2	2.0	1.4	5.7	2.6
Washington.....	1.6	1.4	2.1	5.0	3.0
Pacific Noncontiguous	.5	1.0	.9	5.4	.7
Alaska.....	1.1	2.4	5.9	7.2	1.7
Hawaii.....	.3	.5	.5	.2	.2
U.S. Average	.3	.4	.5	.6	.3

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

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

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

Table 55. Estimated U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector Census Division, and State, Year-to-Date 1997 and 1996 (Cents)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1997	1996	1997	1996	1997	1996	1997	1996	1997	1996
New England	12.1	11.8	10.4	10.2	8.0	7.9	14.8	14.4	10.5	10.3
Connecticut.....	12.1	12.1	10.3	10.3	7.8	7.9	14.2	14.3	10.5	10.5
Maine.....	12.8	12.6	10.4	10.4	6.4	6.3	23.8	23.0	9.5	9.5
Massachusetts.....	11.6	11.2	10.3	9.9	8.8	8.4	14.8	14.5	10.5	10.1
New Hampshire.....	13.6	13.4	11.3	11.3	9.0	9.2	14.8	13.3	11.6	11.6
Rhode Island.....	12.1	11.8	10.4	10.1	8.8	8.5	12.4	11.8	10.8	10.5
Vermont.....	11.7	11.0	10.4	10.1	7.4	7.6	15.3	13.0	10.0	9.7
Middle Atlantic	12.0	11.8	10.6	10.5	6.0	6.2	9.9	9.7	9.8	9.8
New Jersey.....	12.1	12.0	10.4	10.3	8.1	8.2	18.3	18.3	10.6	10.5
New York.....	14.2	14.0	12.2	12.1	5.3	5.6	9.3	9.1	11.2	11.1
Pennsylvania.....	9.8	9.7	8.3	8.3	5.8	5.9	11.6	11.3	7.9	8.0
East North Central	8.6	8.5	7.4	7.4	4.4	4.4	7.0	7.0	6.5	6.5
Illinois.....	10.5	10.3	8.0	8.0	5.3	5.2	6.9	6.8	7.7	7.7
Indiana.....	7.1	6.8	6.1	5.9	4.0	3.9	9.5	9.2	5.4	5.2
Michigan.....	8.7	8.5	7.9	7.9	5.0	5.1	11.3	10.8	7.1	7.1
Ohio.....	8.6	8.6	7.6	7.7	4.0	4.2	6.1	6.3	6.2	6.3
Wisconsin.....	6.9	6.9	5.6	5.7	3.7	3.7	6.8	6.8	5.2	5.3
West North Central	7.3	7.2	6.2	6.2	4.3	4.2	6.2	6.4	5.9	5.9
Iowa.....	8.3	8.2	6.7	6.5	4.0	3.9	6.3	6.0	6.0	5.9
Kansas.....	7.6	7.9	6.4	6.7	4.6	4.7	9.5	9.1	6.3	6.5
Minnesota.....	7.3	7.1	6.3	6.1	4.3	4.3	7.5	7.3	5.7	5.5
Missouri.....	7.1	7.1	6.0	6.0	4.5	4.4	6.8	7.0	6.1	6.1
Nebraska.....	6.4	6.3	5.4	5.5	3.7	3.7	5.2	6.5	5.2	5.3
North Dakota.....	6.3	6.2	6.3	6.1	4.6	4.4	4.4	4.1	5.7	5.6
South Dakota.....	7.2	7.0	6.7	6.6	4.5	4.5	4.7	4.6	6.3	6.2
South Atlantic	8.0	7.8	6.6	6.6	4.3	4.3	6.3	6.3	6.6	6.5
Delaware.....	9.3	9.0	7.3	7.0	4.9	4.7	12.5	12.0	7.0	6.9
District of Columbia.....	7.9	7.8	7.4	7.4	4.4	4.4	6.5	6.4	7.4	7.3
Florida.....	8.1	8.0	6.7	6.6	5.2	5.1	7.0	6.8	7.3	7.2
Georgia.....	7.8	7.7	7.1	7.2	4.2	4.3	8.6	9.0	6.4	6.4
Maryland.....	8.3	8.3	6.9	6.8	4.2	4.2	9.1	8.6	7.0	7.0
North Carolina.....	8.1	8.1	6.4	6.4	4.7	4.8	7.1	7.0	6.5	6.5
South Carolina.....	7.6	7.5	6.4	6.4	3.7	3.9	6.0	6.0	5.5	5.7
Virginia.....	7.8	7.6	6.0	5.9	4.0	4.0	5.2	5.3	6.2	6.1
West Virginia.....	6.3	6.4	5.5	5.7	3.7	3.9	8.9	9.3	5.0	5.2
East South Central	6.3	6.2	6.1	6.3	3.7	3.9	6.0	6.0	5.0	5.0
Alabama.....	6.7	6.6	6.5	6.5	3.8	3.9	7.6	6.8	5.3	5.4
Kentucky.....	5.6	5.5	5.2	5.2	2.9	2.9	4.7	4.7	4.1	4.0
Mississippi.....	7.1	7.0	6.7	7.1	4.2	4.4	8.2	8.7	5.9	6.0
Tennessee.....	6.0	5.9	6.2	6.6	4.3	4.5	7.9	8.0	5.3	5.2
West South Central	7.6	7.6	6.7	6.7	4.2	4.1	6.3	6.5	6.1	6.1
Arkansas.....	7.9	7.8	6.8	6.7	4.4	4.5	7.2	6.6	6.2	6.2
Louisiana.....	7.6	7.6	7.1	7.1	4.4	4.3	6.7	7.8	6.1	6.1
Oklahoma.....	6.6	6.7	5.7	5.8	3.7	3.8	4.8	5.1	5.4	5.6
Texas.....	7.8	7.8	6.7	6.7	4.1	4.0	6.4	6.4	6.2	6.2
Mountain	7.5	7.6	6.4	6.5	4.1	4.1	4.7	5.7	5.9	6.0
Arizona.....	8.8	8.9	7.8	8.0	5.1	5.2	4.8	5.4	7.4	7.5
Colorado.....	7.5	7.5	5.8	5.9	4.3	4.3	8.1	7.7	6.0	6.1
Idaho.....	5.1	5.3	4.2	4.3	2.6	2.7	4.7	4.8	3.9	4.0
Montana.....	6.5	6.2	5.9	5.5	3.4	3.3	7.6	6.4	5.1	4.7
Nevada.....	6.8	6.9	6.3	6.6	4.5	4.9	2.2	4.6	5.4	5.9
New Mexico.....	9.1	8.9	8.0	7.9	4.6	4.4	5.9	5.9	6.9	6.8
Utah.....	6.9	7.0	5.7	5.9	3.5	3.7	4.2	4.5	5.2	5.3
Wyoming.....	6.2	6.1	5.3	5.1	3.4	3.4	3.4	7.2	4.3	4.3
Pacific Contiguous	8.9	8.9	8.4	8.4	5.1	5.2	5.7	5.4	7.6	7.5
California.....	11.4	11.3	9.9	9.8	6.8	7.0	7.6	6.4	9.5	9.5
Oregon.....	5.6	5.7	5.1	5.1	3.2	3.4	5.0	5.7	4.7	4.8
Washington.....	5.0	5.0	4.8	4.9	2.7	2.9	3.6	3.8	4.1	4.2
Pacific Noncontiguous	13.4	13.1	11.6	11.5	9.8	9.8	15.8	13.2	11.6	11.5
Alaska.....	11.5	11.4	9.6	9.6	7.7	8.5	16.8	13.3	10.1	10.2
Hawaii.....	14.7	14.3	13.2	13.0	10.3	10.0	13.1	12.9	12.4	12.1
U.S. Average	8.46	8.36	7.64	7.6	4.55	4.6	6.83	6.91	6.87	6.86

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

Notes: •Values for 1997 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 1996 have been adjusted to reflect the Form EIA-861 annual total (see Technical Notes for adjustment methodology) and 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.

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, November 1997

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Alabama Elec Coop Inc.....	298,193	-8	2,924	2,096	—	—	132	—	33	247	1
Gantt (AL).....	—	—	—	931	—	—	—	—	—	—	—
Lowman (AL).....	298,193	—	—	—	—	—	132	—	—	247	—
McIntosh-CAES (AL).....	—	—	-196	—	—	—	—	—	—	—	*
McWilliams (AL).....	—	—	3,120	—	—	—	—	—	33	—	—
Point A (AL).....	—	—	—	1,165	—	—	—	—	—	—	—
Portland (FL).....	—	-8	—	—	—	—	—	—	—	—	1
Alabama Power Co.....	4,751,555	7,393	16,904	358,677	1,206,075	—	2,069	17	263	1,796	103
Bankhead Dam (AL).....	—	—	—	-61	—	—	—	—	—	—	—
Barry (AL).....	965,808	—	635	—	—	—	393	—	49	254	5
Chickasaw (AL).....	—	—	-58	—	—	—	—	—	—	—	*
Farley (AL).....	—	—	—	—	1,206,075	—	—	—	—	—	—
Gadsden New (AL).....	28,656	9	311	—	—	—	18	*	5	15	1
Gaston, E C (AL).....	939,591	781	—	—	—	—	373	1	—	405	13
Gorgas (AL).....	734,818	1,014	—	—	—	—	296	2	—	504	6
Greene County (AL).....	334,459	256	—	—	—	—	134	*	—	132	1
Greene County (AL).....	—	5,333	10,769	—	—	—	—	14	158	—	60
H Neely Henry Dam (AL).....	—	—	—	21,316	—	—	—	—	—	—	—
Harris (AL).....	—	—	—	12,425	—	—	—	—	—	—	—
Holt Dam (AL).....	—	—	—	9,469	—	—	—	—	—	—	—
Jordan (AL).....	—	—	—	14,951	—	—	—	—	—	—	—
Lay Dam (AL).....	—	—	—	56,317	—	—	—	—	—	—	—
Lewis Smith Dam (AL).....	—	—	—	7,451	—	—	—	—	—	—	—
Logan Martin Dam (AL).....	—	—	—	38,917	—	—	—	—	—	—	—
Martin Dam (AL).....	—	—	—	28,583	—	—	—	—	—	—	—
Miller (AL).....	1,748,223	—	5,247	—	—	—	856	—	51	486	16
Mitchell Dam (AL).....	—	—	—	44,477	—	—	—	—	—	—	—
Thurlow Dam (AL).....	—	—	—	17,601	—	—	—	—	—	—	—
Walter Bouldin Dam (AL).....	—	—	—	74,059	—	—	—	—	—	—	—
Weiss Dam (AL).....	—	—	—	23,053	—	—	—	—	—	—	—
Yates Dam (AL).....	—	—	—	10,119	—	—	—	—	—	—	—
Alaska Elec Lgt & Pwr Co.....	—	165	—	4,453	—	—	—	*	—	—	7
Annex Creek (AK).....	—	—	—	2,340	—	—	—	—	—	—	—
Auke Bay (AK).....	—	123	—	—	—	—	—	*	—	—	2
Gold Creek (AK).....	—	6	—	503	—	—	—	*	—	—	*
Lemon Creek (AK).....	—	36	—	—	—	—	—	*	—	—	4
Salmon Creek (AK).....	—	—	—	—	—	—	—	—	—	—	—
Salmon Creek 2 (AK).....	—	—	—	1,610	—	—	—	—	—	—	—
Alaska Power Admn.....	—	—	—	22,873	—	—	—	—	—	—	—
Eklutna (AK).....	—	—	—	—	—	—	—	—	—	—	—
Snettisham (AK).....	—	—	—	22,873	—	—	—	—	—	—	—
Alexandria (City of).....	—	—	—	—	—	—	—	—	—	—	10
Hunter, D G (LA).....	—	—	—	—	—	—	—	—	—	—	10
Amer Mun Power-Ohio Inc.....	81,484	—	542	—	—	—	54	—	8	88	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Amer Mun Power-Ohio Inc											
Richard Gorsuch (OH).....	81,484	—	542	—	—	—	54	—	8	88	—
Ames (City of).....	19,543	85	—	—	—	—	13	*	—	18	5
Ames (IA).....	19,543	85	—	—	—	—	13	*	—	18	2
Ames Gt (IA).....	—	—	—	—	—	—	—	—	—	—	3
Anchorage (City of).....	—	21	59,096	—	—	—	—	*	705	—	38
Anchorage (AK).....	—	21	1,309	—	—	—	—	*	25	—	3
GMS 2 (AK).....	—	—	57,787	—	—	—	—	—	680	—	34
Appalachian Power Co.....	3,146,141	4,264	—	16,664	—	—	1,207	8	—	1,560	82
Amos, John E (WV).....	1,682,398	1,333	—	—	—	—	648	2	—	826	39
Buck (VA).....	—	—	—	—	—	—	—	—	—	—	—
Byllesby 2 (VA).....	—	—	—	1,888	—	—	—	—	—	—	—
Claytor (VA).....	—	—	—	9,366	—	—	—	—	—	—	—
Clinch River (VA).....	420,210	285	—	—	—	—	156	*	—	225	1
Glen Lyn (VA).....	40,411	1,651	—	—	—	—	23	4	—	111	2
Kanawha River (WV).....	239,544	80	—	—	—	—	93	*	—	68	1
Leesville (VA).....	—	—	—	2,453	—	—	—	—	—	—	—
London (WV).....	—	—	—	4,400	—	—	—	—	—	—	—
Marmet (WV).....	—	—	—	4,612	—	—	—	—	—	—	—
Mountaineer (WV).....	763,578	915	—	—	—	—	287	1	—	329	38
Niagara (VA).....	—	—	—	—	—	—	—	—	—	—	—
Reusens (VA).....	—	—	—	1,616	—	—	—	—	—	—	—
Smith Mountain (VA).....	—	—	—	-14,899	—	—	—	—	—	—	—
Winfield (WV).....	—	—	—	7,228	—	—	—	—	—	—	—
Arizona Elec Pwr Coop Inc.....	222,484	—	621	—	—	—	124	—	6	166	—
Apache Station (AZ).....	222,484	—	621	—	—	—	124	—	6	166	—
Arizona Public Service Co.....	1,683,117	473	27,923	2,747	2,687,886	—	943	1	324	304	128
Childs (AZ).....	—	—	—	1,689	—	—	—	—	—	—	—
Cholla (AZ).....	458,265	473	213	—	—	—	259	1	3	226	4
Fairview (AZ).....	—	—	—	—	—	—	—	—	—	—	6
Four Corners (NM).....	1,224,852	—	4,923	—	—	—	684	—	49	78	—
Irving (AZ).....	—	—	—	1,058	—	—	—	—	—	—	—
Ocotillo (AZ).....	—	—	—	—	—	—	—	—	—	—	36
Palo Verde (AZ).....	—	—	—	—	2,687,886	—	—	—	—	—	—
Phoenix (AZ).....	—	—	6,084	—	—	—	—	—	79	—	22
Saguaro (AZ).....	—	—	—	—	—	—	—	—	—	—	34
Yucca (AZ).....	—	—	16,703	—	—	—	—	—	193	—	27
Arkansas Elec Coop Corp.....	—	—	3,195	20,532	—	—	—	—	37	—	83
Bailey (AR).....	—	—	1,426	—	—	—	—	—	17	—	28
Clyde Ellis (AR).....	—	—	—	9,821	—	—	—	—	—	—	—
Dam 9 (AR).....	—	—	—	10,711	—	—	—	—	—	—	15
Fitzhugh (AR).....	—	—	—	—	—	—	—	—	—	—	40
Mc Clellan (AR).....	—	—	1,769	—	—	—	—	—	20	—	—
Arkansas Power & Light Co.....	1,154,934	889	29,170	15,802	1,256,640	—	718	2	327	708	166
Arkansas Nuclear One(AR).....	—	—	—	—	1,256,640	—	—	—	—	—	31
Blytheville (AR).....	—	244	—	—	—	—	—	1	—	—	—
Carpenter (AR).....	—	—	—	9,884	—	—	—	—	—	—	—
Couch, Harvey (AR).....	—	—	22,176	—	—	—	—	—	247	—	—
Independence (AR).....	680,171	645	—	—	—	—	432	1	—	344	10
L Catherine (AR).....	—	—	6,994	—	—	—	—	—	80	—	—
Lynch, Cecil (AR).....	—	—	—	—	—	—	—	—	—	—	4
Mablevale (AR).....	—	—	—	—	—	—	—	—	—	—	—
Moses, Ham (AR).....	—	—	—	—	—	—	—	—	—	—	—
Rommel (AR).....	—	—	—	5,918	—	—	—	—	—	—	95
Ritchie, R E (AR).....	—	—	—	—	—	—	—	—	—	—	26
White Bluff (AR).....	474,763	—	—	—	—	—	286	—	—	364	—
Associated Elec Coop.....	1,409,057	307	—	—	—	—	821	1	—	769	6
New Madrid (MO).....	753,933	196	—	—	—	—	443	*	—	357	1
Thomas Hill (MO).....	655,124	108	—	—	—	—	379	*	—	413	*
Unionville (MO).....	—	3	—	—	—	—	—	*	—	—	5
Atlantic City Elec Co.....	126,567	3,194	494	—	—	—	55	9	22	235	362

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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											
Carlis Corner (NJ)	—	—	-820	—	—	—	—	—	4	—	14
Cedar (NJ)	—	-709	—	—	—	—	—	*	—	—	14
Cumberland St (NJ)	—	-84	—	—	—	—	—	—	—	—	26
Deepwater (NJ)	32,621	—	998	—	—	—	13	—	11	101	45
England, B L (NJ)	93,946	4,802	—	—	—	—	42	8	—	134	115
Mantu Depot (NJ)	—	—	—	—	—	—	—	—	—	—	51
Mantu Depot (NJ)	—	—	—	—	—	—	—	—	—	—	47
Mickleton Street (NJ)	—	—	-86	—	—	—	—	—	*	—	—
Middle (NJ)	—	-814	—	—	—	—	—	*	—	—	16
Missouri Avenue (NJ)	—	-1	—	—	—	—	—	*	—	—	10
Sherman Avenue (NJ)	—	—	402	—	—	—	—	—	7	—	24
Austin (City of)	5,521	—	265	—	—	—	3	—	3	33	—
Northeast Station (MN)	5,521	—	265	—	—	—	3	—	3	33	—
Austin (City of)	—	—	286,408	—	—	12	—	—	2,934	—	190
Decker Creek (TX)	—	—	248,646	—	—	12	—	—	2,518	—	125
Holly Street (TX)	—	—	37,762	—	—	—	—	—	416	—	65
Baltimore Gas & Elec Co	880,548	77,756	17,661	—	1,246,996	—	350	125	188	835	399
Brandon (MD)	438,263	4,300	—	—	—	—	182	8	—	592	2
Calvert Cliffs (MD)	—	—	—	—	1,246,996	—	—	—	—	—	—
Crane, C P (MD)	207,446	960	—	—	—	—	77	2	—	107	4
Gould Street (MD)	—	11,177	864	—	—	—	—	21	10	—	18
Notch Cliff (MD)	—	—	—	—	—	—	—	—	*	—	—
Perryman (MD)	—	80	11,753	—	—	—	—	*	128	—	106
Philadelphia Road (MD)	—	—	—	—	—	—	—	*	—	—	11
Riverside (MD)	—	—	—	—	—	—	—	—	*	—	26
Wagner, H A (MD)	234,839	61,239	5,036	—	—	—	91	95	48	136	231
Westport (MD)	—	—	8	—	—	—	—	—	2	—	—
Basin Elec Power Coop	1,842,951	2,986	—	—	—	—	1,410	6	—	1,120	39
Antelope Valley (ND)	576,409	362	—	—	—	—	547	1	—	91	1
Laramie River (WY)	950,339	1,767	—	—	—	—	597	3	—	594	6
Leland Olds (ND)	316,203	828	—	—	—	—	266	2	—	435	5
Sprit Mound (SD)	—	29	—	—	—	—	—	*	—	—	27
Big Rivers Electric Corp	934,588	1,363	250	—	—	—	437	3	3	672	18
Coleman (KY)	234,410	250	—	—	—	—	108	—	3	145	1
Green (KY)	221,697	1,043	—	—	—	—	111	2	—	248	1
Henderson II (KY)	149,872	26	—	—	—	—	69	*	—	111	1
Reid, Robert (KY)	34,207	36	—	—	—	—	17	*	—	24	9
Wilson (KY)	294,402	258	—	—	—	—	132	*	—	144	7
Black Hills Pwr and Lt Co	108,952	23	569	—	—	—	90	*	8	3	14
French, Ben (SD)	13,287	-82	569	—	—	—	12	*	8	2	14
Neil Simpson 2 (WY)	60,088	55	—	—	—	—	44	*	—	—	*
Osage (WY)	22,088	—	—	—	—	—	23	—	—	1	—
Simpson, Neil (WY)	13,489	50	—	—	—	—	11	*	—	—	*
Boston Edison Co	—	418,144	288,757	—	335,314	—	—	621	2,856	—	565
Edgar (MA)	—	30	—	—	—	—	—	*	—	—	1
Framingham (MA)	—	25	—	—	—	—	—	*	—	—	2
L Street (MA)	—	22	—	—	—	—	—	*	—	—	1
Mystic (MA)	—	418,000	9,628	—	—	—	—	621	82	—	474
New Boston (MA)	—	—	278,886	—	—	—	—	—	2,770	—	82
Pilgrim (MA)	—	—	—	—	335,314	—	—	—	—	—	—
West Medway (MA)	—	67	243	—	—	—	—	*	3	—	7
Braintree (City of)	—	—	4,244	—	—	—	—	—	45	—	—
Potter Station (MA)	—	—	4,244	—	—	—	—	—	45	—	—
Brazos Elec Pwr Coop Inc	—	—	82,743	—	—	—	—	—	841	—	130
Miller, R W (TX)	—	—	82,090	—	—	—	—	—	830	—	122
North Texas (TX)	—	—	653	—	—	—	—	—	11	—	8
Brazos River Authority	—	—	—	298	—	—	—	—	—	—	—
M Sheppard (TX)	—	—	—	298	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Brownsville (City of).....	—	—	8,018	—	—	—	—	—	136	—	15
Brownsville (TX).....	—	—	8,018	—	—	—	—	—	136	—	15
Bryan (City of).....	—	—	—	—	—	—	—	—	—	—	4
Bryan (OH).....	—	—	—	—	—	—	—	—	—	—	4
Bryan (City of).....	—	—	30,298	—	—	—	—	—	359	—	56
Bryan (TX).....	—	—	13,591	—	—	—	—	—	170	—	32
Dansby (TX).....	—	—	16,707	—	—	—	—	—	189	—	24
Burbank (City of).....	—	—	779	—	—	—	—	—	21	—	23
Magnolia (CA).....	—	—	-26	—	—	—	—	—	4	—	21
Olive (CA).....	—	—	805	—	—	—	—	—	16	—	2
Burlington (City of).....	—	83	—	—	—	17,806	—	*	2	—	6
Burlington (VT).....	—	83	—	—	—	—	—	*	—	—	2
J C McNeil (VT).....	—	—	—	—	—	17,806	—	*	2	—	5
Cajun Elec Power Coop Inc.....	761,007	3,519	9,863	—	—	—	482	6	105	925	23
Big Cajun 1 (LA).....	—	—	9,863	—	—	—	—	—	105	—	12
Big Cajun 2 (LA).....	761,007	3,519	—	—	—	—	482	6	—	925	11
California (State of).....	—	—	—	52,580	—	-14	—	—	—	—	—
Alamo (CA).....	—	—	—	2,549	—	—	—	—	—	—	—
Bottle Rock (CA).....	—	—	—	—	—	-14	—	—	—	—	—
Devil Canyon (CA).....	—	—	—	19,879	—	—	—	—	—	—	—
Edw Hyatt (CA).....	—	—	—	90,066	—	—	—	—	—	—	—
Mojave Siphon (CA).....	—	—	—	1,249	—	—	—	—	—	—	—
Thermal Div (CA).....	—	—	—	1,885	—	—	—	—	—	—	—
Thermalito (CA).....	—	—	—	9,917	—	—	—	—	—	—	—
W E Warne (CA).....	—	—	—	26,868	—	—	—	—	—	—	—
William R Gianelli (CA).....	—	—	—	-99,833	—	—	—	—	—	—	—
Cardinal Operating Co.....	981,987	847	—	—	—	—	384	1	—	364	24
Cardinal (OH).....	981,987	847	—	—	—	—	384	1	—	364	24
Carolina Power & Light Co.....	2,295,922	14,244	4,639	41,463	2,061,500	—	918	36	93	1,014	242
Asheville (NC).....	173,710	816	—	—	—	—	71	1	—	171	1
Blewett (NC).....	—	221	—	10,442	—	—	—	1	—	—	6
Brunswick (NC).....	—	—	—	—	990,207	—	—	—	—	—	—
Cape Fear (NC).....	161,512	187	—	—	—	—	65	1	—	45	5
Darlington County (SC).....	—	5,446	4,229	—	—	—	—	19	85	—	188
Harris (NC).....	—	—	—	—	631,818	—	—	—	—	—	—
Lee (NC).....	119,842	2,013	—	—	—	—	50	4	—	53	10
Marshall (NC).....	—	—	—	1,749	—	—	—	—	—	—	—
Mayo (NC).....	386,774	1,564	—	—	—	—	154	3	—	152	7
Morehead (NC).....	—	-12	—	—	—	—	—	—	—	—	1
Robinson, H B (SC).....	76,176	119	178	—	439,475	—	32	*	5	28	3
Roxboro (NC).....	1,245,487	3,279	—	—	—	—	485	5	—	509	7
Sutton (NC).....	76,647	450	—	—	—	—	35	1	—	27	8
Tillery (NC).....	—	—	—	11,279	—	—	—	—	—	—	—
Walters (NC).....	—	—	—	17,993	—	—	—	—	—	—	—
Weatherspoon (NC).....	55,774	161	232	—	—	—	27	1	4	29	7
Carthage (City of).....	—	-11	-101	—	—	—	—	*	—	—	2
Carthage (MO).....	—	-11	-101	—	—	—	—	*	—	—	2
Cedar Falls (City of).....	11,998	—	-13	—	—	—	7	—	*	16	2
Cedar Falls Gt (IA).....	11,998	—	21	—	—	—	7	—	*	16	—
Streeter (IA).....	—	—	-34	—	—	—	—	—	—	—	2
Cent NE Pub Pwr & Ir Dist.....	—	—	—	44,184	—	—	—	—	—	—	—
Jeffrey Canyon (NE).....	—	—	—	11,077	—	—	—	—	—	—	—
Johnson No 1 (NE).....	—	—	—	9,913	—	—	—	—	—	—	—
Johnson No 2 (NE).....	—	—	—	12,299	—	—	—	—	—	—	—
Kingsley (NE).....	—	—	—	10,895	—	—	—	—	—	—	—
Central Elec Pwr Coop.....	15,431	60	—	—	—	—	8	*	—	30	*
Chamois (MO).....	15,431	60	—	—	—	—	8	*	—	30	*

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Central Hudson Gas & Elec	194,771	227,074	14,490	9,416	—	—	75	384	158	119	417
Coxsackie (NY).....	—	—	99	—	—	—	—	—	1	—	2
Danskammer (NY).....	194,771	—	3,607	—	—	—	75	—	42	119	32
Dashville (NY).....	—	—	—	1,532	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	811	—	—	—	—	—	—	—
Neversink (NY).....	—	—	—	1,695	—	—	—	—	—	—	—
Roseton (NY).....	—	227,014	10,784	—	—	—	—	383	115	—	381
South Cairo (NY).....	—	60	—	—	—	—	—	*	—	—	2
Sturgeon Pool (NY).....	—	—	—	5,378	—	—	—	—	—	—	—
Central Ill Public Ser Co	954,962	11,317	—	—	—	—	451	18	—	659	38
Coffeen (IL).....	364,057	483	—	—	—	—	181	1	—	255	4
Grand Tower (IL).....	63,595	85	—	—	—	—	30	*	—	68	1
Hutsonville (IL).....	47,314	45	—	—	—	—	22	*	—	36	2
Meredosia (IL).....	54,248	9,883	—	—	—	—	28	15	—	86	25
Newton (IL).....	425,748	821	—	—	—	—	189	1	—	213	6
Central Iowa Power Coop	17,379	—	—	—	—	—	11	*	—	87	7
Fair Station (IA).....	17,379	—	—	—	—	—	11	—	—	87	—
Summit Lake (IA).....	—	—	—	—	—	—	—	*	—	—	7
Central Illinois Light Co	463,861	882	4,196	—	—	—	218	2	22	203	1
Duck Creek (IL).....	190,835	244	—	—	—	—	89	*	—	74	1
E D Edwards (IL).....	273,026	638	—	—	—	—	129	1	—	129	1
Midwest Grain (IL).....	—	—	4,138	—	—	—	—	—	21	—	—
Sterling Avenue (IL).....	—	—	58	—	—	—	—	—	1	—	—
Central Louisiana Elec Co	684,665	—	148,679	—	—	—	497	—	1,479	232	148
Coughlin (LA).....	—	—	15,568	—	—	—	—	—	144	—	37
Dolet Hills (LA).....	428,231	—	121	—	—	—	338	—	1	228	—
Franklin (LA).....	—	—	—	—	—	—	—	—	*	—	—
Rodernacher (LA).....	256,434	—	125,054	—	—	—	159	—	1,300	4	76
Teche (LA).....	—	—	7,936	—	—	—	—	—	34	—	35
Central Maine Power Co	—	210,334	—	115,055	—	—	—	347	—	—	395
Andro Lower (ME).....	—	—	—	5	—	—	—	—	—	—	—
Androscoggin 3 (ME).....	—	—	—	2,499	—	—	—	—	—	—	—
Bar Mills (ME).....	—	—	—	2,535	—	—	—	—	—	—	—
Bates Lower (ME).....	—	—	—	—	—	—	—	—	—	—	—
Bates Upper (ME).....	—	—	—	228	—	—	—	—	—	—	—
Bonny Eagle (ME).....	—	—	—	6,119	—	—	—	—	—	—	—
Brunswick (ME).....	—	—	—	8,412	—	—	—	—	—	—	—
C. E. Monty (ME).....	—	—	—	12,362	—	—	—	—	—	—	—
Cape (ME).....	—	-54	—	—	—	—	—	—	—	—	9
Cataract (ME).....	—	—	—	3,947	—	—	—	—	—	—	—
Continental Mills (ME).....	—	—	—	135	—	—	—	—	—	—	—
Deer Rips (ME).....	—	—	—	1,918	—	—	—	—	—	—	—
Fort Halifax (ME).....	—	—	—	287	—	—	—	—	—	—	—
Gulf Island (ME).....	—	—	—	12,545	—	—	—	—	—	—	—
Harris (ME).....	—	—	—	5,862	—	—	—	—	—	—	—
Hill Mill (ME).....	—	—	—	112	—	—	—	—	—	—	—
Hiram (ME).....	—	—	—	6,423	—	—	—	—	—	—	—
Islesboro (ME).....	—	—	—	—	—	—	—	—	—	—	—
North Gorham (ME).....	—	—	—	1,177	—	—	—	—	—	—	—
Oakland (ME).....	—	—	—	511	—	—	—	—	—	—	—
Peaks Island (ME).....	—	—	—	—	—	—	—	—	—	—	—
Rice Rips (ME).....	—	—	—	510	—	—	—	—	—	—	—
Shawmut (ME).....	—	—	—	3,983	—	—	—	—	—	—	—
Skelton (ME).....	—	—	—	12,321	—	—	—	—	—	—	—
Smelt Hill (AK).....	—	—	—	—	—	—	—	—	—	—	—
Union Gas (ME).....	—	—	—	440	—	—	—	—	—	—	—
West Buxton (ME).....	—	—	—	4,402	—	—	—	—	—	—	—
West Channel (MA).....	—	—	—	—	—	—	—	—	—	—	—
Weston (ME).....	—	—	—	6,454	—	—	—	—	—	—	—
Williams (ME).....	—	—	—	3,144	—	—	—	—	—	—	—
Wyman Hydro (ME).....	—	—	—	18,724	—	—	—	—	—	—	—
Wyman, W F (ME).....	—	210,388	—	—	—	—	—	347	—	—	387
Central Operating Co	434,498	2,838	—	—	—	—	168	5	—	260	10
Sporn, Phil (WV).....	434,498	2,838	—	—	—	—	168	5	—	260	10

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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	245,771	—	768,777	—	—	—	120	—	7,780	127	454
Bates, J L (TX)	—	—	55,403	—	—	—	—	—	632	—	39
Coletto Creek (TX)	245,771	—	—	—	—	—	120	—	—	127	4
Davis, Barney M (TX)	—	—	176,140	—	—	—	—	—	1,724	—	129
Eagle Pass (TX)	—	—	—	—	—	—	—	—	—	—	—
Hill, Lon C (TX)	—	—	86,416	—	—	—	—	—	902	—	60
Joslin, E S (TX)	—	—	18,059	—	—	—	—	—	174	—	50
La Palma (TX)	—	—	67,443	—	—	—	—	—	706	—	49
Laredo (TX)	—	—	50,266	—	—	—	—	—	563	—	16
Nueces Bay (TX)	—	—	259,981	—	—	—	—	—	2,519	—	59
Victoria (TX)	—	—	55,069	—	—	—	—	—	560	—	49
Chanute (City of)	—	-128	—	—	—	—	—	*	*	—	1
Chanute (KS)	—	-38	—	—	—	—	—	—	—	—	*
Chanute 2 (KS)	—	-28	—	—	—	—	—	—	—	—	*
Chanute 3 (KS)	—	-62	—	—	—	—	—	*	*	—	1
Chelan Pub Util Dist #1	—	—	—	745,711	—	—	—	—	—	—	—
Chelan (WA)	—	—	—	36,966	—	—	—	—	—	—	—
Rock Island (WA)	—	—	—	227,719	—	—	—	—	—	—	—
Rocky Reach (WA)	—	—	—	481,026	—	—	—	—	—	—	—
Chillicothe (City of)	—	—	—	—	—	—	—	—	—	*	7
Beardmore (MO)	—	—	—	—	—	—	—	—	—	*	7
Chugach Elec Assn Inc	—	—	185,134	40,565	—	—	—	—	1,910	—	10
Beluga (AK)	—	—	167,453	—	—	—	—	—	1,676	—	—
Bernice Lake (AK)	—	—	—	—	—	—	—	—	—	—	3
Bradley Lake (AK)	—	—	—	38,357	—	—	—	—	—	—	—
Cooper Lake (AK)	—	—	—	2,208	—	—	—	—	—	—	—
International (AK)	—	—	—	—	—	—	—	—	—	—	7
Soldotna (AK)	—	—	17,681	—	—	—	—	—	234	—	—
Cincinnati Gas Elec Co	2,073,074	6,305	5,033	—	—	—	864	31	152	724	183
Beckjord, Walter C (OH)	576,691	1,488	—	—	—	—	245	3	—	141	35
Dicks Creek (OH)	—	—	-95	—	—	—	—	—	*	—	3
East Bend (KY)	360,613	250	—	—	—	—	154	*	—	120	8
Miami Fort (OH)	706,907	2,623	—	—	—	—	295	5	—	163	33
W. H. Zimmer ()	428,863	4	—	—	—	—	169	13	—	300	36
Woodsdale (OH)	—	1,940	5,128	—	—	—	—	10	152	—	67
Citizens Utilities Co	—	—	—	—	—	—	—	—	—	—	1
Valencia (AZ)	—	—	—	—	—	—	—	—	—	—	1
Clarksdale (City of)	—	—	1,290	—	—	—	—	—	18	—	13
South (MS)	—	—	1,239	—	—	—	—	—	16	—	11
Third St (MS)	—	—	51	—	—	—	—	—	1	—	1
Cleveland (City of)	—	1	520	—	—	—	—	*	11	—	2
Collinwood (OH)	—	1	401	—	—	—	—	*	8	—	1
Lake Road (OH)	—	—	—	—	—	—	—	—	—	—	—
West 41st Street (OH)	—	—	119	—	—	—	—	*	3	—	1
Cleveland Elec Illum Co	705,388	1,894	—	—	854,021	—	292	7	—	285	35
Ashtabula (OH)	98,770	503	—	—	—	—	43	1	—	12	*
Avon Lake (OH)	59,504	558	—	—	—	—	33	1	—	143	12
Eastlake (OH)	547,728	1,708	—	—	—	—	216	4	—	105	15
Lake Shore (OH)	-614	-875	—	—	—	—	—	—	—	26	7
Perry (OH)	—	—	—	—	854,021	—	—	—	—	—	—
Coffeyville (City of)	—	—	1,320	—	—	—	—	—	17	—	—
Coffeyville (KS)	—	—	1,320	—	—	—	—	—	17	—	—
Colorado Springs (City of)	260,023	343	2,113	3,314	—	—	131	1	25	350	12
Drake, Martin (CO)	125,361	—	1,240	—	—	—	67	—	14	134	—
George Birdsal (CO)	—	—	873	—	—	—	—	—	11	—	9
Manitou (CO)	—	—	—	588	—	—	—	—	—	—	—
Ray D. Nixon (CO)	134,662	343	—	—	—	—	64	1	—	216	3
Ruxton (CO)	—	—	—	—	—	—	—	—	—	—	—
Tesla (CO)	—	—	—	2,726	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Columbia (City of).....	-356	—	—	—	—	—	—	—	—	19	2
Columbia (MO).....	-356	—	—	—	—	—	—	—	—	19	2
Columbus Southern Pwr Co.....	979,513	825	—	—	—	—	423	1	—	389	13
Conesville (OH).....	938,983	825	—	—	—	—	402	1	—	366	12
Picway (OH).....	40,530	—	—	—	—	—	21	—	—	23	*
Commonwealth Ed Co Ind.....	197,465	—	1,463	—	—	—	107	—	15	194	—
State Line (IN).....	197,465	—	1,463	—	—	—	107	—	15	194	—
Commonwealth Edison Co.....	2,582,710	85,019	317,966	—	3,449,710	—	1,523	167	3,851	2,559	949
Bloom (IL).....	—	31	—	—	—	—	—	*	—	—	14
Braidwood (IL).....	—	—	—	—	1,064,407	—	—	—	—	—	—
Byron (IL).....	—	—	—	—	950,343	—	—	—	—	—	—
Calumet (IL).....	—	—	—	—	—	—	—	—	—	—	14
Collins (IL).....	—	80,353	299,590	—	—	—	—	159	3,640	—	802
Crawford (IL).....	74,147	11	2,471	—	—	—	45	*	33	195	16
Dixon (IL).....	—	—	—	—	—	—	—	—	—	—	—
Dresden (IL).....	—	—	—	—	962,256	—	—	—	—	—	—
Electric Junction (IL).....	—	—	483	—	—	—	—	—	8	—	19
Fisk Street (IL).....	121,207	218	3,225	—	—	—	69	1	31	—	16
Joliet (IL).....	190,847	8	746	—	—	—	107	*	20	19	11
Joliet 7 & 8 (IL).....	263,665	—	5,753	—	—	—	158	—	58	610	—
Kincaid (IL).....	176,052	—	208	—	—	—	90	—	2	421	—
Lasalle (IL).....	—	—	—	—	-7,635	—	—	—	—	—	—
Lombard (IL).....	—	—	75	—	—	—	—	—	1	—	15
Powerton (IL).....	899,878	—	1,919	—	—	—	562	—	21	613	—
Quad-cities (IL).....	—	—	—	—	488,464	—	—	—	—	—	—
Sabrooke (IL).....	—	282	—	—	—	—	—	1	—	—	11
Waukegan (IL).....	398,982	764	3,496	—	—	—	235	1	35	235	27
Will County (IL).....	457,932	3,352	—	—	—	—	258	6	—	467	4
Zion (IL).....	—	—	—	—	-8,125	—	—	—	—	—	—
Commonwealth Energy Sys.....	—	353,952	—	—	—	—	—	546	—	—	114
Blackstone Street (MA).....	—	188	—	—	—	—	—	*	—	—	3
Canal (MA).....	—	345,535	—	—	—	—	—	532	—	—	68
Kendall Square (MA).....	—	8,219	—	—	—	—	—	14	—	—	41
Oak Bluffs (MA).....	—	6	—	—	—	—	—	*	—	—	1
West Tisbury (MA).....	—	4	—	—	—	—	—	*	—	—	2
Conn Yankee Atomic Pwr Co.....	—	—	—	—	-1,428	—	—	—	—	—	—
Haddam Neck (CT).....	—	—	—	—	-1,428	—	—	—	—	—	—
Connecticut Lgt & Pwr Co.....	—	380,181	130,998	24,245	—	41,095	—	661	1,449	—	1,686
Bantam (CT).....	—	—	—	-5	—	—	—	—	—	—	—
Branford (CT).....	—	4	—	—	—	—	—	*	—	—	1
Bulls Bridge (CT).....	—	—	—	3,523	—	—	—	—	—	—	—
Cos Cob (CT).....	—	-18	—	—	—	—	—	—	—	—	6
Devon (CT).....	—	79,727	65,499	—	—	—	—	138	724	—	276
Falls Village (CT).....	—	—	—	3,088	—	—	—	—	—	—	—
Franklin (CT).....	—	-11	—	—	—	—	—	—	—	—	1
Middletown (CT).....	—	79,811	65,499	—	—	—	—	146	724	—	789
Montville (CT).....	—	84,867	—	—	—	—	—	156	—	—	251
Norwalk Harbor (CT).....	—	135,740	—	—	—	—	—	221	—	—	310
Robertsville (CT).....	—	—	—	—	—	—	—	—	—	—	—
Rocky River (CT).....	—	—	—	2,375	—	—	—	—	—	—	—
Scotland (CT).....	—	—	—	347	—	—	—	—	—	—	—
Shepaug (CT).....	—	—	—	7,617	—	—	—	—	—	—	—
South Meadow (CT).....	—	59	—	—	—	41,095	—	1	—	—	50
Stevenson (CT).....	—	—	—	6,504	—	—	—	—	—	—	—
Taftville (CT).....	—	—	—	361	—	—	—	—	—	—	—
Torrington (CT).....	—	-5	—	—	—	—	—	—	—	—	1
Tunnel (CT).....	—	7	—	435	—	—	—	*	—	—	1
Consol Edison Co N Y Inc.....	—	93,573	445,955	—	-4,440	—	—	171	4,799	—	3,318
Arthur Kill (NY).....	—	—	-1,908	—	—	—	—	—	4	—	18
Astoria (NY).....	—	42,739	190,300	—	—	—	—	67	1,895	—	206
Buchanan (NY).....	—	13	—	—	—	—	—	*	—	—	4
East River (NY).....	—	11,143	4,762	—	—	—	—	28	75	—	182
Gowanus (NY).....	—	1,915	—	—	—	—	—	6	—	—	42

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Consolidated Edison Co NY Inc											
Hudson Avenue (NY).....	—	81	—	—	—	—	—	*	—	—	79
Indian Point (NY).....	—	20	—	—	-4,440	—	—	*	—	—	22
Narrows (NY).....	—	258	81	—	—	—	—	1	2	—	56
Oil Storage (NY).....	—	—	—	—	—	—	—	—	—	—	2,287
Oil Storage (NY).....	—	—	—	—	—	—	—	—	—	—	253
Ravenswood (NY).....	—	38,881	206,756	—	—	—	—	68	2,293	—	165
Waterside (NY).....	—	4	45,964	—	—	—	—	*	531	—	—
59Th Street (NY).....	—	—	—	—	—	—	—	—	—	—	—
74Th Street (NY).....	—	-1,481	—	—	—	—	—	*	—	—	3
Consumers Power Co	1,421,283	12,884	3,847	-64,611	566,128	—	619	35	62	935	147
Alcona (MI).....	—	—	—	2,155	—	—	—	—	—	—	—
Allegan Dam (MI).....	—	—	—	888	—	—	—	—	—	—	—
Big Rock Point (MI).....	—	—	—	—	—	—	—	—	—	—	—
Campbell, J H (MI).....	680,572	953	—	—	—	—	286	2	—	216	6
Cobb, B C (MI).....	137,188	167	585	—	—	—	72	*	6	443	—
Cooke (MI).....	—	—	—	2,057	—	—	—	—	—	—	—
Croton (MI).....	—	—	—	2,516	—	—	—	—	—	—	—
Five Channels (MI).....	—	—	—	1,936	—	—	—	—	—	—	—
Foote (MI).....	—	—	—	2,392	—	—	—	—	—	—	—
Gaylord (MI).....	—	—	6	—	—	—	—	—	*	—	—
Hardy (MI).....	—	—	—	7,005	—	—	—	—	—	—	—
Hodanpyl (MI).....	—	—	—	3,134	—	—	—	—	—	—	—
Karn, D E (MI).....	271,443	11,211	2,163	—	—	—	116	32	40	126	138
Loud (MI).....	—	—	—	1,507	—	—	—	—	—	—	—
Ludington (MI).....	—	—	—	-97,199	—	—	—	—	—	—	—
Mio (MI).....	—	—	—	1,198	—	—	—	—	—	—	—
Morrow, B E (MI).....	—	—	144	—	—	—	—	—	2	—	—
Palisades (MI).....	—	—	—	—	566,128	—	—	—	—	—	—
Rogers (MI).....	—	—	—	2,287	—	—	—	—	—	—	—
Straits (MI).....	—	—	—	—	—	—	—	—	*	—	—
Thetford (MI).....	—	—	893	—	—	—	—	—	13	—	—
Tippy, C W (MI).....	—	—	—	4,693	—	—	—	—	—	—	—
Weadock, J C (MI).....	186,059	2	56	—	—	—	83	*	1	31	—
Webber (MI).....	—	—	—	820	—	—	—	—	—	—	—
Whiting, J R (MI).....	146,021	551	—	—	—	—	62	1	—	119	3
Cooperative Power Asso	698,774	233	—	—	—	—	626	1	—	550	9
Bonifacius (MN).....	—	194	—	—	—	—	—	*	—	—	2
Coal Creek (ND).....	698,774	39	—	—	—	—	626	*	—	550	7
Corn belt Power Coop	7,528	—	18	—	—	—	4	—	*	19	—
Humboldt (IA).....	-49	—	—	—	—	—	—	—	—	—	—
Wisdom, Earl F (IA).....	7,577	—	18	—	—	—	4	—	*	19	—
Crawfordsville (City of)	1,062	—	29	—	—	—	1	*	*	2	*
Crawfordsville (IN).....	1,062	—	29	—	—	—	1	*	*	2	*
Dairyland Power Coop	398,491	783	—	5,410	—	—	225	2	—	874	5
Alma (WI).....	55,954	103	—	—	—	—	31	*	—	184	*
Flambeau (WI).....	—	—	—	5,410	—	—	—	—	—	—	—
Genoa (WI).....	188,927	13	—	—	—	—	94	*	—	513	3
J P Madgett (WI).....	153,610	667	—	—	—	—	100	2	—	176	1
Dayton Pwr & Lgt Co (The)	1,282,324	6,225	3,466	—	—	—	543	11	42	1,123	84
Frank M Tait (OH).....	—	18	676	—	—	—	—	*	9	—	26
Hutchings (OH).....	62,865	52	2,348	—	—	—	28	*	26	124	1
Killen Station (OH).....	366,908	1,513	—	—	—	—	153	3	—	207	47
Monument (OH).....	—	27	—	—	—	—	—	*	—	—	1
Sidney (OH).....	—	22	—	—	—	—	—	*	—	—	1
Stuart, J M (OH).....	852,551	4,523	—	—	—	—	362	8	—	792	2
Yankee Street (OH).....	—	70	442	—	—	—	—	*	7	—	7
Delmarva Power & Light Co	296,210	68,334	67,248	—	—	—	126	120	671	293	562
Bayview (VA).....	—	154	—	—	—	—	—	*	—	—	2
Christiana (DE).....	—	85	—	—	—	—	—	*	—	—	8
Crisfield (MD).....	—	148	—	—	—	—	—	*	—	—	2
Delaware City (DE).....	—	-6	—	—	—	—	—	—	—	—	3
Edge Moor (DE).....	107,714	56,585	31,098	—	—	—	42	95	369	57	374

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Delmarva Power & Light Co											
Hay Road (DE).....	—	—	36,150	—	—	—	—	—	302	—	69
Indian River (DE).....	188,496	1,510	—	—	—	—	84	3	—	236	10
Madison Street (DE).....	—	-11	—	—	—	—	—	—	—	—	1
Tasley (VA).....	—	14	—	—	—	—	—	*	—	—	10
Vienna (MD).....	—	9,851	—	—	—	—	—	21	—	—	81
West Substation (DE).....	—	4	—	—	—	—	—	*	—	—	3
Denton (City of).....											
Lewisdale (TX).....	—	—	4,120	389	—	—	—	—	57	—	25
Roberts (TX).....	—	—	—	389	—	—	—	—	—	—	—
Spencer (TX).....	—	—	4,120	—	—	—	—	—	57	—	25
Deseret Gen & Trans Coop.....											
Bonanza (UT).....	299,700	66	—	—	—	—	160	*	—	358	5
	299,700	66	—	—	—	—	160	*	—	358	5
Detroit (City of).....											
Mistersky (MI).....	—	10,759	15,902	—	—	—	—	27	189	—	176
		10,759	15,902	—	—	—	—	27	189	—	176
Detroit Edison Co (The).....											
Beacon Heating (MI).....	3,495,650	15,524	59,275	—	804,616	—	1,744	31	2,864	4,359	236
Belle River (MI).....			8,339	—	—	—	—	—	520	—	8
Central Storage (MI).....	807,623	930	—	—	—	—	444	2	—	—	8
Colfax (MI).....	—	-22	—	—	—	—	—	*	—	811	—
Connors Creek (MI).....	—	-8	—	—	—	—	—	*	—	—	1
Dayton (MI).....	—	-11	—	—	—	—	—	*	—	—	*
Enrico Fermi (MI).....	—	498	—	—	804,616	—	—	2	—	—	10
Greenwood (MI).....	—	3,530	27,054	—	—	—	—	8	347	—	84
Hancock (MI).....	—	—	370	—	—	—	—	—	7	—	—
Harbor Beach (MI).....	8,762	239	—	—	—	—	5	1	—	35	1
Marysville (MI).....	11,771	—	1,038	—	—	—	8	—	17	13	—
Monroe (MI).....	1,508,992	3,670	—	—	—	—	681	6	—	973	7
Northeast (MI).....	—	-19	-85	—	—	—	—	*	—	—	2
Oliver (MI).....	—	-6	—	—	—	—	—	*	—	—	1
Placid (MI).....	—	-14	—	—	—	—	—	*	—	—	*
Putnam (MI).....	—	-20	—	—	—	—	—	*	—	—	1
River Rouge (MI).....	266,431	-19	20,820	—	—	—	126	*	1,953	16	1
Slocum (MI).....	—	-38	—	—	—	—	—	*	—	—	1
St. Clair (MI).....	621,811	6,075	1,739	—	—	—	339	11	19	2,428	97
Superior (MI).....	—	-33	—	—	—	—	—	*	—	—	2
Trenton Channel (MI).....	270,260	799	—	—	—	—	141	1	—	83	13
Wilmott (MI).....	—	-27	—	—	—	—	—	*	—	—	1
Douglas Pub Util Dist #1.....											
Wells (WA).....	—	—	—	355,588	—	—	—	—	—	—	—
	—	—	—	355,588	—	—	—	—	—	—	—
Dover (City of).....											
McKee Run (DE).....	—	11,244	532	—	—	—	—	20	11	—	48
Van Sant (DE).....	—	11,244	532	—	—	—	—	20	11	—	46
	—	—	—	—	—	—	—	—	—	—	2
Dover (City of).....											
Dover (OH).....	4,612	—	286	—	—	—	3	—	4	*	*
	4,612	—	286	—	—	—	3	—	4	*	*
Duke Power Co.....											
Allen (NC).....	3,912,693	9,893	78	27,158	3,644,482	—	1,483	25	3	1,371	268
Bad Creek (SC).....	583,620	1,754	—	—	—	—	236	3	—	162	1
Belews Creek (NC).....	—	—	—	-50,058	—	—	—	—	—	—	—
Bridgewater (NC).....	1,540,075	197	—	—	—	—	548	*	—	360	5
Buck (NC).....	—	—	—	2,428	—	—	—	—	—	—	—
Buzzard Roost (SC).....	175,815	351	—	—	—	—	76	1	—	63	22
Catawba (NC).....	—	75	78	4,002	—	—	—	1	3	—	30
Cedar Creek (SC).....	—	—	—	—	1,586,672	—	—	—	—	—	—
Cliffside (NC).....	—	—	—	9,144	—	—	—	—	—	—	—
Cowans Ford (NC).....	349,333	644	—	—	—	—	135	1	—	98	2
Dan River (NC).....	—	—	—	9,797	—	—	—	—	—	—	—
Dearborn (SC).....	51,252	-45	—	—	—	—	24	1	—	71	2
Fishing Creek (SC).....	—	—	—	11,822	—	—	—	—	—	—	—
Gaston Shoals (SC).....	—	—	—	10,234	—	—	—	—	—	—	—
Great Falls (SC).....	—	—	—	1,229	—	—	—	—	—	—	—
Jocassee (SC).....	—	—	—	1,103	—	—	—	—	—	—	—
	—	—	—	-25,647	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Duke Power Co											
Keowee (SC).....	—	—	—	1,894	—	—	—	—	—	—	—
Lee (SC).....	94,147	-15	—	—	—	—	40	1	—	98	11
Lincoln (NC).....	—	4,893	—	—	—	—	—	12	—	—	183
Lookout Shoals (NC).....	—	—	—	4,267	—	—	—	—	—	—	—
Marshall (NC).....	935,922	2,081	—	—	—	—	351	3	—	430	8
Mc Guire (NC).....	—	—	—	—	827,774	—	—	—	—	—	—
Mountain Island (NC).....	—	—	—	6,725	—	—	—	—	—	—	—
Oconee (SC).....	—	—	—	—	1,230,036	—	—	—	—	—	—
Oxford (NC).....	—	—	—	4,325	—	—	—	—	—	—	—
Rhodhiss (NC).....	—	—	—	2,704	—	—	—	—	—	—	—
Riverbend (NC).....	182,529	-42	—	—	—	—	75	2	—	89	4
Rocky Creek (SC).....	—	—	—	1,281	—	—	—	—	—	—	—
Tuxedo (NC).....	—	—	—	848	—	—	—	—	—	—	—
Wateree (SC).....	—	—	—	18,068	—	—	—	—	—	—	—
Wylie (SC).....	—	—	—	9,077	—	—	—	—	—	—	—
99 Islands (SC).....	—	—	—	3,915	—	—	—	—	—	—	—
Duquesne Lgt Co	513,854	355	770	—	600,766	—	220	3	8	362	26
Beaver Valley (PA).....	—	—	—	—	600,766	—	—	—	—	—	—
Brunot Island (PA).....	—	-668	—	—	—	—	—	1	—	—	24
Cheswick (PA).....	319,813	—	770	—	—	—	128	—	8	205	—
Elrama (PA).....	194,041	1,023	—	—	—	—	92	2	—	158	2
Phillips, F (PA).....	—	—	—	—	—	—	—	—	—	—	—
East Kentucky Power Coop	596,852	6,067	9,695	—	—	—	249	12	116	532	69
Cooper (KY).....	188,568	186	—	—	—	—	76	*	—	114	1
Dale (KY).....	97,981	110	—	—	—	—	46	*	—	46	*
Smith (KY).....	—	3,854	9,695	—	—	—	—	8	116	—	64
Spurlock, H L (KY).....	310,303	1,917	—	—	—	—	126	3	—	373	3
Easton (City of)	—	1,254	33	—	—	—	—	2	*	—	14
Easton (MD).....	—	531	—	—	—	—	—	1	—	—	7
Easton No. 2 (MD).....	—	723	33	—	—	—	—	1	*	—	7
Edison Sault Electric Co	—	-3	—	16,730	—	—	—	*	—	—	*
Edison Sault (MI).....	—	—	—	16,730	—	—	—	—	—	—	—
Manistique (MI).....	—	-3	—	—	—	—	—	*	—	—	*
El Paso Electric Co	—	—	200,100	—	—	—	—	—	2,201	—	70
Copper (TX).....	—	—	—	—	—	—	—	—	—	—	6
Newman (TX).....	—	—	141,805	—	—	—	—	—	1,544	—	33
Rio Grande (NM).....	—	—	58,295	—	—	—	—	—	657	—	31
Electric Energy Inc	688,434	120	2	—	—	—	420	*	*	347	*
Joppa Steam (IL).....	688,434	120	2	—	—	—	420	*	*	347	*
Empire District Elec Co	166,161	101	2,356	3,406	—	—	106	*	39	86	67
Asbury (MO).....	127,460	101	—	—	—	—	80	*	—	61	*
Energy Center (MO).....	—	—	709	—	—	—	—	—	15	—	35
Ozark Beach (MO).....	—	—	—	3,406	—	—	—	—	—	—	—
Riverton (KS).....	38,701	—	1,688	—	—	—	26	—	20	25	8
State Line (MO).....	—	—	-41	—	—	—	—	—	4	—	23
Eugene (City of)	—	—	—	36,492	—	—	—	—	—	—	—
Carmen (OR).....	—	—	—	23,553	—	—	—	—	—	—	—
Leaburg (OR).....	—	—	—	8,656	—	—	—	—	—	—	—
Walterville (OR).....	—	—	—	4,283	—	—	—	—	—	—	—
Willamette (OR).....	—	—	—	—	—	—	—	—	—	—	—
Fairbanks (City of)	10,559	—	—	—	—	—	11	—	—	1	—
Chena (AK).....	10,559	—	—	—	—	—	11	—	—	1	—
Fairmont (City of)	—	-24	69	—	—	—	—	*	2	—	1
Fairmont (MN).....	—	-24	69	—	—	—	—	*	2	—	1
Farmington (City of)	—	—	14,589	11,331	—	—	—	—	130	—	—
Animas (NM).....	—	—	14,589	—	—	—	—	—	130	—	—
Navajo (NM).....	—	—	—	11,331	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Fayetteville (City of).....	—	5,422	2,650	—	—	—	—	14	22	—	56
Pod #2 (NC).....	—	5,422	2,650	—	—	—	—	14	22	—	56
Fitchburg Gas & Elec Lgt.....	—	—	—	—	—	—	—	—	—	—	2
Fitchburg (MA).....	—	—	—	—	—	—	—	—	—	—	2
Florida Power & Light Co.....	—	1,160,497	1,416,865	—	1,693,999	—	—	1,890	11,343	—	3,782
Cape Canaveral (FL).....	—	36,936	46,389	—	—	—	—	59	476	—	533
Cutler (FL).....	—	—	—	—	—	—	—	—	*	—	—
Fort Meyers (FL).....	—	204,465	—	—	—	—	—	309	—	—	290
Lauderdale (FL).....	—	—	457,144	—	—	—	—	—	3,415	—	69
Manatee (FL).....	—	272,890	—	—	—	—	—	465	—	—	710
Martin (FL).....	—	124,077	656,672	—	—	—	—	199	4,575	—	841
Port Everglades (FL).....	—	130,970	56,158	—	—	—	—	220	733	—	629
Putnam (FL).....	—	—	92,363	—	—	—	—	—	949	—	39
Riviera (FL).....	—	60,403	16,700	—	—	—	—	98	218	—	85
Sanford (FL).....	—	217,502	49,925	—	—	—	—	356	564	—	394
St. Lucie (FL).....	—	—	—	—	634,521	—	—	—	—	—	—
Turkey Point (FL).....	—	113,254	41,514	—	1,059,478	—	—	185	413	—	191
Florida Power Corporation.....	1,283,251	293,519	55,901	—	—	—	488	459	666	471	1,427
Anclote (FL).....	—	149,469	—	—	—	—	—	230	—	—	239
Avon Park (FL).....	—	1	218	—	—	—	—	*	4	—	5
Bartow Nth (FL).....	—	—	—	—	—	—	—	—	—	—	21
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—	286
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—	*
Bartow, P L (FL).....	—	137,600	1,954	—	—	—	—	216	29	—	248
Bayboro (FL).....	—	345	—	—	—	—	—	1	—	—	31
Crystal River (FL).....	1,283,251	3,671	—	—	—	—	488	7	—	471	14
Debarry (FL).....	—	255	—	—	—	—	—	1	—	—	237
Higgins (FL).....	—	—	534	—	—	—	—	—	9	—	10
Intercession City (FL).....	—	472	11,072	—	—	—	—	1	170	—	158
Port St. Joe (FL).....	—	—	—	—	—	—	—	—	—	—	2
Rio Pinar (FL).....	—	—	—	—	—	—	—	—	—	—	2
Suwannee River (FL).....	—	1,475	1,809	—	—	—	—	3	26	—	131
Tiger Bay (FL).....	—	—	29,461	—	—	—	—	—	289	—	—
Turner, G E (FL).....	—	230	—	—	—	—	—	1	—	—	41
Univ Proj (FL).....	—	1	10,853	—	—	—	—	*	141	—	1
Fort Pierce (City of).....	—	3	11,160	—	—	—	—	*	150	—	23
King (FL).....	—	3	11,160	—	—	—	—	*	150	—	23
Freeport (Village of).....	—	-205	—	—	—	—	—	1	—	—	5
Plant No 1 (NY).....	—	-67	—	—	—	—	—	*	—	—	1
Plant No 2 (NY).....	—	-138	—	—	—	—	—	1	—	—	4
Fremont (City of).....	30,054	123	491	—	—	—	21	*	4	5	1
Lon Wright (NE).....	30,054	123	491	—	—	—	21	*	4	5	1
Fulton (City of).....	—	1	8	—	—	—	—	*	*	—	1
Fulton (MO).....	—	1	8	—	—	—	—	*	*	—	1
Gainesville (City of).....	129,074	310	6,651	—	—	—	53	1	78	30	58
Deerhaven (FL).....	129,074	310	6,818	—	—	—	53	1	78	30	30
Kelly, J R (FL).....	—	—	-167	—	—	—	—	—	*	—	28
Gardner (City of).....	—	—	—	—	—	—	—	—	—	—	—
Gardner (KS).....	—	—	—	—	—	—	—	—	—	—	—
Garland Mun Utils (City).....	—	—	42,986	—	—	—	—	—	424	—	108
Newman, C E (TX).....	—	—	—	—	—	—	—	—	—	—	18
Olinger, Ray (TX).....	—	—	42,986	—	—	—	—	—	424	—	89
Georgia Power Co.....	4,820,517	5,384	2,295	178,279	2,307,973	—	2,334	11	19	2,228	409
Arkwright (GA).....	13,770	-29	153	—	—	—	8	—	1	21	6
Atkinson (GA).....	—	—	—	—	—	—	—	—	—	—	57
Barnett Shoals (GA).....	—	—	—	604	—	—	—	—	—	—	—
Bartlett Ferry (GA).....	—	—	—	32,892	—	—	—	—	—	—	—
Bowen (GA).....	1,445,075	654	—	—	—	—	561	1	—	724	12
Burton (GA).....	—	—	—	2,508	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Georgia Power Co											
Estatoah (GA).....	—	—	—	—	—	—	—	—	—	—	—
Flint River (GA).....	—	—	—	3,843	—	—	—	—	—	—	—
Goat Rock (GA).....	—	—	—	15,249	—	—	—	—	—	—	—
Hammond (GA).....	356,004	408	—	—	—	—	141	1	—	106	2
Harlee Branch (GA).....	598,819	542	—	—	—	—	244	1	—	231	1
Hatch, Edwin I. (GA).....	—	—	—	—	602,469	—	—	—	—	—	—
Langdale (GA).....	—	—	—	178	—	—	—	—	—	—	—
Lloyd Shoals (GA).....	—	—	—	4,833	—	—	—	—	—	—	—
McDonough, J. (GA).....	173,792	674	2,142	—	—	—	69	1	18	62	55
Mcmanus (GA).....	—	77	—	—	—	—	—	*	—	—	88
Mitchell, W. (GA).....	18,727	278	—	—	—	—	9	1	—	26	23
Morgan Falls (GA).....	—	—	—	3,016	—	—	—	—	—	—	—
Nacoochee (GA).....	—	—	—	1,537	—	—	—	—	—	—	—
North Highlands (GA).....	—	—	—	11,178	—	—	—	—	—	—	—
Oliver Dam (GA).....	—	—	—	19,538	—	—	—	—	—	—	—
Riverview (GA).....	—	—	—	129	—	—	—	—	—	—	—
Robins (GA).....	—	13	—	—	—	—	—	*	—	—	26
Scherer (GA).....	1,362,910	881	—	—	—	—	949	2	—	497	15
Sinclair Dam (GA).....	—	—	—	15,738	—	—	—	—	—	—	—
Tallulah Falls (GA).....	—	—	—	14,516	—	—	—	—	—	—	—
Terrora (GA).....	—	—	—	4,994	—	—	—	—	—	—	—
Tugalo (GA).....	—	—	—	7,830	—	—	—	—	—	—	—
Vogtle (GA).....	—	—	—	—	1,705,504	—	—	—	—	—	—
Wallace Dam (GA).....	—	—	—	36,386	—	—	—	—	—	—	—
Wansley (GA).....	500,728	1,303	—	—	—	—	205	2	—	239	29
Wilson (GA).....	—	148	—	—	—	—	—	*	—	—	91
Yates (GA).....	350,692	885	—	—	—	—	148	2	—	322	3
Yonah (GA).....	—	—	—	3,310	—	—	—	—	—	—	—
Glencoe (City of)											
Glencoe (MN).....	—	412	151	—	—	—	—	1	1	—	1
Glendale (City of)											
Grayson (CA).....	—	—	5,727	—	—	—	—	—	88	—	50
Golden Valley Elec Assn											
Fairbanks (AK).....	12,965	41,159	—	—	—	—	12	70	—	—	5
Healy (AK).....	—	236	—	—	—	—	—	1	—	—	2
North Pole (AK).....	12,965	515	—	—	—	—	12	2	—	—	1
Grand Haven (City of)											
Harbor Avenue (MI).....	28,560	—	—	—	—	—	13	—	—	99	10
J B Simms (MI).....	—	—	—	—	—	—	—	—	—	—	10
Grand Island (City of)											
Burdick, C W (NE).....	30,266	—	3,038	—	—	—	20	—	38	41	56
Platte (NE).....	—	—	3,038	—	—	—	—	—	38	—	56
Grand River Dam Authority											
GRDA No 1 (OK).....	618,289	—	1,543	3,835	—	—	403	*	17	510	1
Markham (OK).....	618,289	—	1,543	—	—	—	403	*	17	510	1
Pensacola (OK).....	—	—	—	3,850	—	—	—	—	—	—	—
Salina (OK).....	—	—	—	7,823	—	—	—	—	—	—	—
Grant Pub Util Dist #2											
Pec Hdws (WA).....	—	—	—	813,909	—	—	—	—	—	—	—
Priest Rapids (WA).....	—	—	—	—	—	—	—	—	—	—	—
Quincy Chut (WA).....	—	—	—	407,826	—	—	—	—	—	—	—
Wanapum (WA).....	—	—	—	—	—	—	—	—	—	—	—
Green Mountain Power Corp											
Berlin (VT).....	—	148	—	15,939	—	—	—	*	—	—	16
Bolton Falls (VT).....	—	68	—	—	—	—	—	*	—	—	14
Carthusians (VT).....	—	—	—	3,683	—	—	—	—	—	—	—
Colchester (VT).....	—	—	—	—	—	—	—	—	—	—	—
Essex Junction 19 (VT).....	—	78	—	—	—	—	—	*	—	—	1
Gorge 18 (VT).....	—	—	—	4,815	—	—	—	—	—	—	—
Marshfield 6 (VT).....	—	—	—	1,737	—	—	—	—	—	—	—
Middlesex 2 (VT).....	—	—	—	620	—	—	—	—	—	—	—
	—	—	—	1,500	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Green Mountain Power Corp											
Vergennes 9 (VT).....	—	2	—	1,194	—	—	—	*	—	—	*
Waterbury 22 (VT).....	—	—	—	2,008	—	—	—	—	—	—	—
West Danville 15 (VT).....	—	—	—	382	—	—	—	—	—	—	—
Greenville (City of)	—	—	—	—	—	—	—	—	—	—	—
Steam (TX).....	—	—	—	—	—	—	—	—	—	—	—
Steam (TX).....	—	—	—	—	—	—	—	—	—	—	—
Greenwood Utils (City of)	—	—	314	—	—	—	—	—	7	9	6
Henderson (MS).....	—	—	314	—	—	—	—	—	7	9	4
Wright (MS).....	—	—	—	—	—	—	—	—	—	*	2
Gulf Power Company	468,019	670	205	—	—	—	206	1	2	177	4
Crist (FL).....	266,121	317	205	—	—	—	117	1	2	117	1
Scholz (FL).....	6,551	6	—	—	—	—	3	*	—	11	*
Smith (FL).....	195,347	347	—	—	—	—	85	1	—	48	3
Gulf States Utilities Co	192,382	41,886	1,030,783	10,989	680,957	—	124	81	13,033	229	371
Lewis Creek (TX).....	—	—	170,766	—	—	—	—	—	1,819	—	34
Louisiana 1 (LA).....	—	—	129,759	—	—	—	—	—	1,135	—	—
Louisiana 2 (LA).....	—	—	—	—	—	—	—	—	—	—	—
Neches (TX).....	—	—	—	—	—	—	—	—	—	—	—
Nelson, R S (LA).....	192,382	1,938	141,290	—	—	—	124	4	1,542	229	106
River Bend (LA).....	—	—	—	—	680,957	—	—	—	—	—	—
Sabine (TX).....	—	9	379,316	—	—	—	—	*	6,051	—	41
Toledo Bend (TX).....	—	—	—	10,989	—	—	—	—	—	—	—
Willow Glen (LA).....	—	39,939	209,652	—	—	—	—	77	2,486	—	190
GPU Nuclear Corp	—	—	—	—	901,553	—	—	—	—	—	—
Oyster Creek (NJ).....	—	—	—	—	460,628	—	—	—	—	—	—
Three Mile Island (PA).....	—	—	—	—	440,925	—	—	—	—	—	—
Hamilton (City of)	25,287	3	377	32,668	—	—	13	*	5	5	3
Hamilton (OH).....	25,287	3	377	—	—	—	13	*	5	5	3
Hamilton Hydro (OH).....	—	—	—	147	—	—	—	—	—	—	—
Vanceburg Hydro (KY).....	—	—	—	32,521	—	—	—	—	—	—	—
Hastings (City of)	34,928	—	2	—	—	—	23	—	*	24	9
Don Henry (NE).....	—	—	2	—	—	—	—	—	*	—	1
Hastings (NE).....	34,928	—	—	—	—	—	23	—	—	24	3
North Denver (NE).....	—	—	—	—	—	—	—	—	—	—	4
Hawaii Electric Light Co	—	46,406	—	1,799	—	—	—	104	—	—	51
Kanoelehua (HI).....	—	1,381	—	—	—	—	—	3	—	—	4
Keahole (HI).....	—	4,712	—	—	—	—	—	11	—	—	7
Puna (HI).....	—	17,404	—	—	—	—	—	40	—	—	14
Puueo (HI).....	—	—	—	1,196	—	—	—	—	—	—	—
Shipman (HI).....	—	3,154	—	—	—	—	—	9	—	—	6
W. H. Hill (HI).....	—	19,652	—	—	—	—	—	42	—	—	19
Waiau (HI).....	—	—	—	603	—	—	—	—	—	—	—
Waimea (HI).....	—	103	—	—	—	—	—	*	—	—	2
Hawaiian Elec Co Inc	—	335,893	—	—	—	—	—	564	—	—	761
Honolulu (HI).....	—	612	—	—	—	—	—	3	—	—	20
Kahe (HI).....	—	255,522	—	—	—	—	—	417	—	—	282
Oil Storage (CA).....	—	—	—	—	—	—	—	—	—	—	253
Waiau (HI).....	—	79,759	—	—	—	—	—	144	—	—	207
Henderson (City of)	21	—	—	—	—	—	*	*	—	2	*
Henderson (KY).....	21	—	—	—	—	—	*	*	—	2	*
Hetch Hetchy Water & Pwr	—	—	—	53,338	—	—	—	—	—	—	—
Holm, Dion R (CA).....	—	—	—	837	—	—	—	—	—	—	—
Kirkwood, Robert C (CA).....	—	—	—	27,385	—	—	—	—	—	—	—
Moccasin (CA).....	—	—	—	25,114	—	—	—	—	—	—	—
Moccasin Low (CA).....	—	—	—	2	—	—	—	—	—	—	—
Hibbing (City of)	2,583	—	—	—	—	—	4	—	—	1	—
Hibbing (MN).....	2,583	—	—	—	—	—	4	—	—	1	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Holland (City of).....	23,225	17	80	—	—	—	12	*	2	80	7
James De Young (MI).....	23,225	17	80	—	—	—	12	*	1	80	*
48 Street (MI).....	—	—	—	—	—	—	—	—	1	—	6
6Th Street (MI).....	—	—	—	—	—	—	—	—	—	—	1
Holyoke (City of).....	—	-181	-157	501	—	—	—	*	*	—	17
Cabot-Holyoke (MA).....	—	-181	-157	501	—	—	—	*	*	—	17
Holyoke Wtr Pwr Co.....	99,591	120	—	1,546	—	—	40	*	—	80	*
Boatlock (MA).....	—	—	—	79	—	—	—	—	—	—	—
Chemical (MA).....	—	—	—	1,152	—	—	—	—	—	—	—
Hadley Falls (MA).....	—	—	—	295	—	—	—	—	—	—	—
Holbrook, Beebe (MA).....	—	—	—	1	—	—	—	—	—	—	—
Mt Tom (MA).....	99,591	120	—	—	—	—	40	*	—	80	*
Riverside (MA).....	—	—	—	—	—	—	—	—	—	—	—
Skinner (MA).....	—	—	—	19	—	—	—	—	—	—	—
Homestead (City of).....	—	192	1,729	—	—	—	—	1	20	—	6
G W Ivey (FL).....	—	192	1,729	—	—	—	—	1	20	—	6
Hoosier Energy Rural.....	732,339	943	—	—	—	—	344	2	—	563	8
Merom (IN).....	588,491	878	—	—	—	—	278	2	—	533	7
Ratts (IN).....	143,848	65	—	—	—	—	67	*	—	29	*
Houston Lighting & Pwr Co.....	2,184,150	647	1,231,758	—	1,607,211	—	1,523	1	12,250	802	188
Bertron, Sam (TX).....	—	—	18,022	—	—	—	—	—	244	—	—
Cedar Bayou (TX).....	—	647	448,212	—	—	—	—	1	4,146	—	110
Clarke, Hiram (TX).....	—	—	-48	—	—	—	—	—	—	—	—
Deepwater (TX).....	—	—	1,252	—	—	—	—	—	25	—	—
Greens Bayou (TX).....	—	—	433	—	—	—	—	—	17	—	78
Limestone (TX).....	926,161	—	10,069	—	—	—	751	—	104	452	—
Oil Storage (TX).....	—	—	—	—	—	—	—	—	—	—	—
Parish, W A (TX).....	1,257,989	—	36,283	—	—	—	772	—	431	350	—
Robinson, P H (TX).....	—	—	474,356	—	—	—	—	—	4,835	—	—
San Jacinto (TX).....	—	—	118,600	—	—	—	—	—	1,362	—	—
South Texas (TX).....	—	—	—	—	1,607,211	—	—	—	—	—	—
Webster (TX).....	—	—	-392	—	—	—	—	—	*	—	—
Wharton, T H (TX).....	—	—	124,971	—	—	—	—	—	1,086	—	—
Hutchinson (City of).....	—	6	1,405	—	—	—	—	*	15	—	4
Plant No. 1 (MN).....	—	4	17	—	—	—	—	*	*	—	*
Plant No. 2 (MN).....	—	2	1,388	—	—	—	—	*	15	—	4
Idaho Power Co.....	—	—	—	642,053	—	—	—	—	—	—	*
American Falls (ID).....	—	—	—	30,520	—	—	—	—	—	—	—
Bliss (ID).....	—	—	—	45,640	—	—	—	—	—	—	—
Brownlee (ID).....	—	—	—	133,386	—	—	—	—	—	—	—
Cascade (ID).....	—	—	—	568	—	—	—	—	—	—	—
Clear Lake (ID).....	—	—	—	1,299	—	—	—	—	—	—	—
Hells Canyon (OR).....	—	—	—	124,858	—	—	—	—	—	—	—
Lower Malad (ID).....	—	—	—	10,146	—	—	—	—	—	—	—
Lower Salmon (ID).....	—	—	—	35,796	—	—	—	—	—	—	—
Milner (ID).....	—	—	—	37,511	—	—	—	—	—	—	—
Oxbow (OR).....	—	—	—	66,551	—	—	—	—	—	—	—
Salmon (ID).....	—	—	—	—	—	—	—	—	—	—	*
Shoshone Falls (ID).....	—	—	—	9,642	—	—	—	—	—	—	—
Strike, C J (ID).....	—	—	—	60,201	—	—	—	—	—	—	—
Swan Falls (ID).....	—	—	—	16,163	—	—	—	—	—	—	—
Thousand Springs (ID).....	—	—	—	5,276	—	—	—	—	—	—	—
Twin Falls (ID).....	—	—	—	34,511	—	—	—	—	—	—	—
Upper Malad (ID).....	—	—	—	5,559	—	—	—	—	—	—	—
Upper Salmon (ID).....	—	—	—	12,209	—	—	—	—	—	—	—
Upper Salmon (ID).....	—	—	—	12,217	—	—	—	—	—	—	—
Illinois Power Co.....	1,360,922	3,179	1,947	—	-9,989	—	616	5	21	465	12
Baldwin (IL).....	822,723	976	—	—	—	—	378	2	—	226	1
Clinton (IL).....	—	—	—	—	-9,989	—	—	—	—	—	—
Havana (IL).....	158,024	260	343	—	—	—	76	1	4	113	1
Hennepin (IL).....	155,313	1,943	654	—	—	—	69	3	6	27	—
Oglesby (IL).....	—	—	14	—	—	—	—	—	1	—	9

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Illinois Power Co											
Stallings (IL).....	—	—	—	—	—	—	—	—	—	—	—
Vermilion (IL).....	32,834	—	936	—	—	—	18	—	10	11	*
Wood River (IL).....	192,028	—	—	—	—	—	75	—	—	88	—
Imperial Irrigation Dist.	—	—	8,363	17,892	—	—	—	—	101	—	135
Brawley (CA).....	—	—	—	—	—	—	—	—	—	—	1
Coachella (CA).....	—	—	—	—	—	—	—	—	—	—	12
Double Weir (CA).....	—	—	—	—	—	—	—	—	—	—	—
Drop No 1 (CA).....	—	—	—	1,772	—	—	—	—	—	—	—
Drop No. 5 (CA).....	—	—	—	1,074	—	—	—	—	—	—	—
Drop 2 (CA).....	—	—	—	3,957	—	—	—	—	—	—	—
Drop 3 (CA).....	—	—	—	3,318	—	—	—	—	—	—	—
Drop 4 (CA).....	—	—	—	6,802	—	—	—	—	—	—	—
E Highline (CA).....	—	—	—	—	—	—	—	—	—	—	—
El Centro (CA).....	—	—	8,363	—	—	—	—	—	101	—	105
Pilot Knob (CA).....	—	—	—	969	—	—	—	—	—	—	—
Rockwood (CA).....	—	—	—	—	—	—	—	—	—	—	18
Turnip (CA).....	—	—	—	—	—	—	—	—	—	—	—
Independence (City of)	13,516	-226	34	—	—	—	9	*	1	72	18
Blue Valley (MO).....	13,516	—	34	—	—	—	9	—	1	46	14
Jackson Square (MO).....	—	—	—	—	—	—	—	—	—	—	1
Missouri City (MO).....	—	-226	—	—	—	—	—	*	—	26	1
Station H (MO).....	—	—	—	—	—	—	—	—	—	—	1
Station I (MO).....	—	—	—	—	—	—	—	—	—	—	1
Indiana Michigan Power Co.	1,972,948	3,719	—	10,123	—	—	1,046	6	—	1,030	30
Berrien Springs (MI).....	—	—	—	3,100	—	—	—	—	—	—	—
Buchanan (MI).....	—	—	—	1,587	—	—	—	—	—	—	—
Constantine (MI).....	—	—	—	457	—	—	—	—	—	—	—
Cook, Donald C. (MI).....	—	—	—	—	—	—	—	—	—	—	—
Elkhart (IN).....	—	—	—	1,634	—	—	—	—	—	—	—
Fourth Street (IN).....	—	—	—	—	—	—	—	—	—	—	*
Mottville (MI).....	—	—	—	661	—	—	—	—	—	—	—
Rockport (IN).....	1,457,673	2,467	—	—	—	—	849	4	—	820	25
Tanners Creek (IN).....	515,275	1,252	—	—	—	—	197	2	—	210	5
Twin Branch (IN).....	—	—	—	2,684	—	—	—	—	—	—	—
Indiana Mun Power Agency	—	—	—	—	—	—	—	—	—	—	4
Anderson (IN).....	—	—	—	—	—	—	—	—	—	—	4
Indiana-Kentucky El Corp	735,620	230	—	—	—	—	355	*	—	240	4
Clifty Creek (IN).....	735,620	230	—	—	—	—	355	*	—	240	4
Indianapolis Pwr & Lgt Co.	1,153,130	2,018	3,721	—	—	—	550	4	62	1,523	30
Perry K (IN).....	—	—	-782	—	—	—	—	—	—	62	4
Perry W (IN).....	—	-30	—	—	—	—	—	—	—	—	1
Petersburg (IN).....	743,238	1,315	—	—	—	—	353	2	—	1,047	6
Pritchard, H T (IN).....	104,142	177	—	—	—	—	54	*	—	192	4
Stout, Elmer W (IN).....	305,750	556	4,503	—	—	—	143	1	62	222	15
Indianola (City of)	—	-59	-5	—	—	—	—	—	—	—	8
Indianola (IA).....	—	-59	-5	—	—	—	—	—	—	—	8
International Bound & Water											
Comm.....	—	—	—	5,256	—	—	—	—	—	—	—
Amistad (TX).....	—	—	—	5,110	—	—	—	—	—	—	—
Falcon (TX).....	—	—	—	146	—	—	—	—	—	—	—
Interstate Power Co.	162,991	1,032	31	—	—	—	93	5	3	377	23
Dubuque (IA).....	8,969	-8	17	—	—	—	5	*	*	47	*
Fox Lake (MN).....	—	19	-175	—	—	—	—	*	1	—	13
Hills (MN).....	—	-19	—	—	—	—	—	—	—	—	—
Kapp, M L (IA).....	95,272	—	189	—	—	—	44	—	2	96	—
Lansing (IA).....	58,750	381	—	—	—	—	44	1	—	234	2
Lime Creek (IA).....	—	676	—	—	—	—	—	4	—	—	5
Montgomery (MN).....	—	-12	—	—	—	—	—	*	—	—	3
New Albin (IA).....	—	-5	—	—	—	—	—	*	—	—	*
Rushford (MN).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Iola (City of)	—	—	—	—	—	—	—	—	—	—	2
Iola (KS)	—	—	—	—	—	—	—	—	—	—	2
IES Utilities Co.	429,493	1,444	10,203	447	381,623	1,542	284	4	179	565	40
Ames (IA)	—	—	—	—	—	—	—	—	—	—	1
Anamosa (IA)	—	—	—	125	—	—	—	—	—	—	—
Arnold, Duane (IA)	—	—	—	—	381,623	—	—	—	—	—	—
Burlington (IA)	74,976	11	7	—	—	—	48	*	*	47	1
Centerville (IA)	—	-90	—	—	—	—	—	—	—	—	6
Grinnell (IA)	—	—	-40	—	—	—	—	—	—	—	1
Iowa Falls (IA)	—	—	—	-2	—	—	—	—	—	—	—
Maquoketa (IA)	—	—	—	324	—	—	—	—	—	—	—
Marshalltown (IA)	—	759	—	—	—	—	—	2	—	—	25
Ottumwa (IA)	204,635	718	—	—	—	—	139	2	—	340	5
Prairie Creek (IA)	67,716	46	1,474	—	—	—	43	*	16	88	1
Sutherland (IA)	77,252	—	3,966	—	—	—	49	—	46	87	—
6Th Street (IA)	4,914	—	4,796	—	—	1,542	6	—	117	3	1
Jacksonville (City of)	660,056	268,687	15,996	—	—	—	264	182	179	335	762
Kennedy, J D (FL)	—	-362	—	—	—	—	—	*	1	—	145
Northside (FL)	—	92,496	14,074	—	—	—	—	168	154	—	479
Southside (FL)	—	3,693	1,922	—	—	—	—	8	24	—	132
St. Johns River	660,056	172,860	—	—	—	—	264	7	—	335	7
Jamestown (City of)	18,217	67	—	—	—	—	11	*	—	4	*
Carlson, S A (NY)	18,217	67	—	—	—	—	11	*	—	4	*
Jersey Central Power&Light Co.	—	2,520	28,401	-12,957	—	—	—	6	335	—	386
Forked River (NJ)	—	1	465	—	—	—	—	*	7	—	11
Gardner, Glen (NJ)	—	—	-99	—	—	—	—	—	*	—	15
Gilbert (NJ)	—	2,849	27,710	—	—	—	—	5	308	—	243
Sayreville (NJ)	—	—	325	—	—	—	—	*	19	—	84
Werner (NJ)	—	-330	—	—	—	—	—	*	—	—	34
Yards Creek (NJ)	—	—	—	-12,957	—	—	—	—	—	—	—
Kansas City (City of)	175,724	1,627	7,217	—	—	—	117	4	138	289	13
Kaw (KS)	13,634	6	120	—	—	—	10	*	2	4	*
Nearman Creek (KS)	131,012	262	—	—	—	—	93	1	—	177	5
Quindaro (KS)	31,078	1,359	7,097	—	—	—	15	4	136	108	8
Kansas City Pwr & Lgt Co.	1,575,586	9,361	14,349	—	—	—	1,003	15	124	1,005	75
Grand Ave (MO)	—	—	—	—	—	—	—	—	—	—	—
Hawthorn (MO)	264,092	5,663	14,349	—	—	—	161	7	124	135	7
Iatan (MO)	378,927	252	—	—	—	—	232	*	—	243	9
La Cygne (KS)	734,614	2,443	—	—	—	—	479	5	—	526	9
Montrose (MO)	197,953	715	—	—	—	—	131	1	—	101	5
Northeast (MO)	—	288	—	—	—	—	—	2	—	—	46
Kauai Electric Company	—	29,462	—	—	—	—	—	52	—	—	—
Port Allen (HI)	—	29,462	—	—	—	—	—	52	—	—	—
Kennett (City of)	—	10	43	—	—	—	—	*	*	—	3
Kennett (MO)	—	10	43	—	—	—	—	*	*	—	3
Kentucky Power Co.	691,127	501	—	—	—	—	257	1	—	306	8
Big Sandy (KY)	691,127	501	—	—	—	—	257	1	—	306	8
Kentucky Utilities Co.	1,313,811	604	1,900	88	—	—	554	4	30	1,084	81
Brown, E W (KY)	350,570	109	1,948	—	—	—	148	*	30	172	55
Dix Dam (KY)	—	—	—	-9	—	—	—	—	—	—	—
Ghent (KY)	883,492	572	—	—	—	—	367	3	—	827	12
Green River (KY)	57,369	110	—	—	—	—	29	*	—	66	1
Haefling (KY)	—	—	-48	—	—	—	—	—	*	—	4
Lock 7 (KY)	—	—	—	97	—	—	—	—	—	—	—
Pineville (KY)	3,683	1	—	—	—	—	2	*	—	6	*
Tyrone (KY)	18,697	-188	—	—	—	—	9	*	—	13	8
Key West (City of)	—	782	—	—	—	—	—	2	—	—	14
Big Pine (FL)	—	223	—	—	—	—	—	1	—	—	1

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Key West (City of)											
Cudjoe (FL).....	—	208	—	—	—	—	—	*	—	—	2
Key West (FL).....	—	95	—	—	—	—	—	*	—	—	—
Stock Island (FL).....	—	312	—	—	—	—	—	*	—	—	12
Stock Island D 1 (FL).....	—	-56	—	—	—	—	—	*	—	—	—
Kings River Conserv Dist											
Pine Flat (CA).....	—	—	—	—	—	—	—	—	—	—	—
Kissimmee (City of)											
Cane Island (FL).....	—	-2	24,858	—	—	—	—	*	200	—	26
Kissimmee (FL).....	—	—	24,776	—	—	—	—	—	197	—	15
Kissimmee (FL).....	—	-2	82	—	—	—	—	*	3	—	11
Kodiak Electric Assn Inc											
Kodiak A (AK).....	—	1,041	—	8,038	—	—	—	2	—	—	1
Port Lions (AK).....	—	1,048	—	—	—	—	—	2	—	—	1
Terror Lake (AK).....	—	-7	—	—	—	—	—	—	—	—	*
Terror Lake (AK).....	—	—	—	8,038	—	—	—	—	—	—	—
KG&E - Western Resources											
Evans, Gordon (KS).....	—	72	109,117	—	—	—	—	*	1,177	—	224
Gill, Murray (KS).....	—	72	70,913	—	—	—	—	*	708	—	119
Neosho (KS).....	—	—	38,204	—	—	—	—	—	469	—	105
KPL - Western Resources											
Abilene (KS).....	1,114,253	956	4,546	—	—	—	722	2	69	973	191
Hutchinson (KS).....	—	—	-52	—	—	—	—	—	—	—	15
Jeffrey (KS).....	983,683	956	1,861	—	—	—	654	2	32	732	136
Lawrence (KS).....	97,678	—	866	—	—	—	50	—	8	174	2
Tecumseh (KS).....	32,892	—	1,871	—	—	—	19	—	29	66	*
Lafayette Util Sys (City)											
Doc Bonin (LA).....	—	—	24,921	—	—	—	—	—	257	—	121
Rodemacher (LA).....	—	—	24,925	—	—	—	—	—	257	—	121
Rodemacher (LA).....	—	—	-4	—	—	—	—	—	—	—	—
Lake Worth (City of)											
Smith, Tom G (FL).....	—	47	5,440	—	—	—	—	*	76	—	8
Smith, Tom G (FL).....	—	47	5,440	—	—	—	—	*	76	—	8
Lakeland (City of)											
Larsen Memorial (FL).....	161,399	34,903	24,710	—	—	—	65	8	240	177	103
Mcintosh, C D (FL).....	—	34	23,725	—	—	—	—	*	228	—	25
Mcintosh, C D (FL).....	161,399	34,869	985	—	—	—	65	7	12	177	78
Lamar (City of)											
Lamar (CO).....	—	—	4,831	—	—	—	—	—	68	—	6
Lamar (CO).....	—	—	4,831	—	—	—	—	—	68	—	6
Lansing (City of)											
Eckert Station (MI).....	125,337	274	—	103	—	—	58	1	—	107	1
Erickson (MI).....	64,200	191	—	—	—	—	33	1	—	14	1
Moore Park (MI).....	61,137	83	—	—	—	—	24	*	—	92	*
Moore Park (MI).....	—	—	—	103	—	—	—	—	—	—	—
Lea County Elec Coop											
North Lovington (NM).....	—	—	—	—	—	—	—	—	—	—	—
Lebanon (City of)											
Lebanon (OH).....	—	—	—	—	—	—	—	*	—	—	*
Lebanon (OH).....	—	—	—	—	—	—	—	*	—	—	*
Lincoln (City of)											
Lincoln J Street (NE).....	—	—	—	—	—	—	—	—	—	—	24
Rokeby (NE).....	—	—	—	—	—	—	—	—	—	—	4
Rokeby (NE).....	—	—	—	—	—	—	—	—	—	—	20
Logansport (City of)											
Logansport (IN).....	17,388	—	4	—	—	—	11	—	*	8	2
Logansport (IN).....	17,388	—	4	—	—	—	11	—	*	8	2
Long Island Lighting Co											
Barrett, E F (NY).....	—	334,665	313,770	—	—	—	—	573	3,344	—	1,856
Brookhaven (NY).....	—	—	90,337	—	—	—	—	—	939	—	328
East Hampton (NY).....	—	1,931	—	—	—	—	—	4	—	—	35
Far Rockway (NY).....	—	1	—	—	—	—	—	*	—	—	3
Glenwood (NY).....	—	—	3,383	—	—	—	—	—	31	—	1
Holbrook (NY).....	—	122	17,213	—	—	—	—	*	210	—	23
Holbrook (NY).....	—	2,492	—	—	—	—	—	6	—	—	102
Montauk (NY).....	—	-1	—	—	—	—	—	*	—	—	1

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Long Island Lighting Co											
Northport (NY)	—	273,388	182,535	—	—	—	—	462	1,941	—	898
Port Jefferson (NY)	—	56,753	20,302	—	—	—	—	99	223	—	438
Shoreham (NY)	—	-9	—	—	—	—	—	—	—	—	11
Southampton (NY)	—	-12	—	—	—	—	—	—	—	—	2
Southold (NY)	—	-9	—	—	—	—	—	*	—	—	2
West Babylon (NY)	—	9	—	—	—	—	—	*	—	—	11
Los Angeles (City of)											
Big Pine Creek (CA)	1,160,582	481	42,266	26,859	—	10,281	459	1	518	738	478
Castaic (CA)	—	—	—	527	—	—	—	—	—	—	—
Control Gorge (CA)	—	—	—	-2,935	—	—	—	—	—	—	—
Cottonwood (CA)	—	—	—	2,902	—	—	—	—	—	—	—
Division Creek (CA)	—	—	—	507	—	—	—	—	—	—	—
Foothill (CA)	—	—	—	450	—	—	—	—	—	—	—
Franklin Canyon (CA)	—	—	—	838	—	—	—	—	—	—	—
Haiwee (CA)	—	—	—	1,065	—	—	—	—	—	—	—
Harbor (CA)	—	—	—	1,760	—	—	—	—	—	—	—
Haynes (CA)	—	—	3,642	—	—	—	—	—	44	—	12
Intermountain (UT)	1,160,582	481	15,375	—	—	—	459	1	201	738	368
Middle Gorge (CA)	—	—	—	-10	—	—	—	—	—	—	9
Pleasant Valley (CA)	—	—	—	305	—	—	—	—	—	—	—
San Fernando (CA)	—	—	—	385	—	—	—	—	—	—	—
San Francisquito 1 (CA)	—	—	—	12,481	—	—	—	—	—	—	—
San Francisquito 2 (CA)	—	—	—	5,821	—	—	—	—	—	—	—
Sawtelle (CA)	—	—	—	—	—	—	—	—	—	—	—
Scattergood (CA)	—	—	23,636	—	—	10,281	—	—	273	—	78
Upper Gorge (CA)	—	—	—	2,763	—	—	—	—	—	—	—
Valley (CA)	—	—	-387	—	—	—	—	—	—	—	12
Louisiana Pwr & Light Co											
Buras (LA)	—	1,941	550,319	—	795,011	—	—	3	5,872	—	419
Litle Gypsy (LA)	—	—	52,039	—	—	—	—	—	662	—	2
Monroe (LA)	—	—	—	—	—	—	—	—	—	—	76
Nine Mile Point (LA)	—	—	428,181	—	—	—	—	—	4,370	—	235
Sterlington (LA)	—	—	17,012	—	—	—	—	—	163	—	21
Thibodaux (LA)	—	—	—	—	—	—	—	—	—	—	—
Waterford (LA)	—	—	—	—	795,011	—	—	—	—	—	—
Waterford (LA)	—	1,941	53,087	—	—	—	—	3	677	—	84
Louisville Gas & Elec Co											
Cane Run (KY)	1,327,286	2,644	4,008	40,102	—	—	600	5	41	824	17
Mill Creek (KY)	295,161	—	2,489	—	—	—	133	—	25	94	1
Ohio Falls (KY)	820,958	1,854	1,519	—	—	—	376	3	16	401	11
Paddys Run (KY)	—	—	—	40,102	—	—	—	—	—	—	—
Trimble County (KY)	211,167	790	—	—	—	—	92	1	—	329	4
Waterside (KY)	—	—	—	—	—	—	—	—	—	—	—
Zorn (KY)	—	—	—	—	—	—	—	—	—	—	—
Lower Colorado River Auth											
Austin (TX)	308,366	1,617	301,574	9,188	—	—	200	3	2,972	556	199
Buchanan (TX)	—	—	—	376	—	—	—	—	—	—	—
Granite Shoals (TX)	—	—	—	3,551	—	—	—	—	—	—	—
Inks (TX)	—	—	—	1,084	—	—	—	—	—	—	—
Mansfield (TX)	—	—	—	1,876	—	—	—	—	—	—	—
Marble Falls (TX)	—	—	—	1,598	—	—	—	—	—	—	—
Sam K Seymour, Jr (TX)	—	—	—	703	—	—	—	—	—	—	—
Sim Gideon (TX)	308,366	1,617	—	—	—	—	200	3	—	556	12
T. C. Ferguson (TX)	—	—	296,588	—	—	—	—	—	2,895	—	108
—	—	—	4,986	—	—	—	—	—	77	—	79
Lubbock (City of)											
Holly Ave (TX)	—	—	35,145	—	—	—	—	—	537	—	—
LP&L Co GEN	—	—	22,690	—	—	—	—	—	269	—	—
Plant 2 (TX)	—	—	12,695	—	—	—	—	—	268	—	—
—	—	—	-240	—	—	—	—	—	*	—	—
Madison Gas & Elec Co											
Blount Street (WI)	8,388	12	5,832	—	—	721	6	*	99	25	6
Fitchburg (WI)	8,388	—	4,096	—	—	721	6	—	69	25	2
Nine Springs (WI)	—	—	1,019	—	—	—	—	—	17	—	2
Sycamore (WI)	—	—	-3	—	—	—	—	—	*	—	*
—	—	12	720	—	—	—	—	*	13	—	2

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Maine Public Service Co.....	—	-111	—	525	—	—	—	*	—	—	1
Caribou (ME).....	—	-80	—	525	—	—	—	*	—	—	1
Flos Inn (ME).....	—	-31	—	—	—	—	—	*	—	—	*
Squa Pan (ME).....	—	—	—	—	—	—	—	—	—	—	—
Maine Yankee Atomic Pwr C.....	—	—	—	—	—	—	—	—	—	—	—
Maine Yankee (ME).....	—	—	—	—	—	—	—	—	—	—	—
Manitowoc (City of).....	15,723	3,497	134	—	—	—	9	*	2	42	1
Manitowoc (WI).....	15,723	3,497	134	—	—	—	9	*	2	42	1
Marquette (City of).....	19,189	65	—	841	—	—	10	*	—	65	3
Plant Four (MI).....	—	—	—	—	—	—	—	—	—	—	1
Plant Two (MI).....	—	—	—	653	—	—	—	—	—	—	—
Russell, Frank J (MI).....	—	—	—	188	—	—	—	—	—	—	—
Shiras (MI).....	19,189	65	—	—	—	—	10	*	—	65	1
Marshall (City of).....	-86	1	-154	—	—	—	—	*	*	*	1
Marshall (MO).....	-86	1	-154	—	—	—	—	*	*	*	1
Mass Mun Wholesale Elec.....	—	21,030	25,081	—	—	—	—	32	231	—	216
Stonybrook (MA).....	—	21,030	25,081	—	—	—	—	32	231	—	216
Maui Electric Co Ltd.....	—	82,386	—	—	—	—	—	142	—	—	133
Cook (HI).....	—	3,222	—	—	—	—	—	5	—	—	10
Kahului (HI).....	—	18,785	—	—	—	—	—	42	—	—	49
Lanai City (HI).....	—	—	—	—	—	—	—	—	—	—	—
Maalaea (HI).....	—	58,130	—	—	—	—	—	91	—	—	71
Miki Basin (HI).....	—	2,249	—	—	—	—	—	4	—	—	2
Mcperson (City of).....	—	463	230	—	—	—	—	3	10	—	13
Plant No. 2 (KS).....	—	463	230	—	—	—	—	3	10	—	13
Medina Electric Coop Inc.....	—	—	248	—	—	—	—	—	5	—	18
Pearsall (TX).....	—	—	248	—	—	—	—	—	5	—	18
Merced Irrigation Dist.....	—	—	—	1,008	—	—	—	—	—	—	—
Canal Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Exchequer (CA).....	—	—	—	1,021	—	—	—	—	—	—	—
Fairfield (CA).....	—	—	—	—	—	—	—	—	—	—	—
Mcswain (CA).....	—	—	—	-13	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	—	—	—	—	—	—	—	—
Metropolitan Edison Co.....	269,627	1,035	765	11,320	—	—	107	2	13	138	82
Hamilton (PA).....	—	119	—	—	—	—	—	*	—	—	4
Hunterstown (PA).....	—	1	749	—	—	—	—	*	12	—	8
Mountain (PA).....	—	99	12	—	—	—	—	*	2	—	6
Orrtanna (PA).....	—	250	—	—	—	—	—	1	—	—	4
Portland (PA).....	155,399	368	—	—	—	—	60	1	—	70	43
Shawnee (PA).....	—	34	—	—	—	—	—	*	—	—	4
Titus (PA).....	114,228	121	4	—	—	—	47	*	*	68	5
Tolna (PA).....	—	43	—	—	—	—	—	*	—	—	6
Yorkhaven (PA).....	—	—	—	11,320	—	—	—	—	—	—	—
Michigan So Cent Pwr Agen.....	224	104	—	—	—	—	*	*	—	21	4
Project I (MI).....	224	104	—	—	—	—	*	*	—	21	4
MidAmerican Energy.....	1,357,967	815	5,340	1,149	—	—	867	2	71	1,189	58
Coralville (IA).....	—	-41	-41	—	—	—	—	—	—	—	—
Council Bluffs (IA).....	202,209	748	381	—	—	—	139	1	4	376	11
Electrifarm (IA).....	—	-6	-42	—	—	—	—	*	2	—	10
Louisa (IA).....	386,592	2	926	—	—	—	247	*	9	227	2
Moline (IL).....	—	—	-78	1,149	—	—	—	—	*	—	2
Neal, George (IA).....	713,482	200	2,129	—	—	—	443	*	22	495	5
Parr (IA).....	—	1	160	—	—	—	—	*	3	—	2
Pleasant Hill (IA).....	—	-28	—	—	—	—	—	*	—	—	13
River Hills (IA).....	—	-61	-60	—	—	—	—	—	—	—	4
Riverside (IA).....	55,684	—	1,358	—	—	—	38	—	16	90	—
Sycamore (IA).....	—	—	607	—	—	—	—	—	14	—	8

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Minden (City of).....	—	—	—	—	—	—	—	—	*	—	*
Minden (LA)	—	—	—	—	—	—	—	—	*	—	*
Minnesota Power & Lgt Co.....	594,111	991	—	45,569	—	—	362	2	—	476	5
Blanchard (MN)	—	—	—	7,723	—	—	—	—	—	—	—
Boswell (MN)	537,206	942	—	—	—	—	325	2	—	351	5
Fond Du Lac (MN)	—	—	—	3,412	—	—	—	—	—	—	—
Hibbard, M L (MN)	—	—	—	—	—	—	—	—	—	—	—
Knife Falls (MN)	—	—	—	1,061	—	—	—	—	—	—	—
Laskin (MN)	56,905	49	—	—	—	—	37	*	—	125	*
Little Falls (MN)	—	—	—	1,568	—	—	—	—	—	—	—
Pillager (MN)	—	—	—	975	—	—	—	—	—	—	—
Prairie River (MN)	—	—	—	493	—	—	—	—	—	—	—
Scanlon (MN)	—	—	—	821	—	—	—	—	—	—	—
Sylvan (MN)	—	—	—	1,065	—	—	—	—	—	—	—
Thompson (MN)	—	—	—	27,005	—	—	—	—	—	—	—
Winton (MN)	—	—	—	1,446	—	—	—	—	—	—	—
Minnkota Power Coop Inc.....	292,749	8,146	—	—	—	—	255	14	—	484	9
Grand Forks (ND)	—	—	—	—	—	—	—	—	—	—	—
Harwood (ND)	—	—	—	—	—	—	—	—	—	—	—
Young, Milton R (ND)	292,749	8,146	—	—	—	—	255	14	—	484	9
Minnkota Power Coop Inc.....	—	—	—	—	—	—	—	—	—	—	—
Hawley (MN)	—	—	—	—	—	—	—	—	—	—	—
Mississippi Power Co.....	828,076	520	104,366	—	—	—	430	1	2,621	265	42
Daniel, Victor J Jr. (MS)	541,550	520	—	—	—	—	303	1	—	168	5
Eaton (MS)	—	—	-92	—	—	—	—	—	—	—	1
Standard Oil (MS)	—	—	104,029	—	—	—	—	—	2,601	—	—
Sweatt (MS)	—	—	170	—	—	—	—	—	4	—	7
Watson (MS)	286,526	—	259	—	—	—	126	—	16	97	29
Mississippi Pwr & Lgt Co.....	—	545,051	110,063	—	—	—	—	831	1,113	—	1,049
Andrus (MS)	—	249,680	—	—	—	—	—	372	—	—	596
Brown, Rex (MS)	—	—	3,219	—	—	—	—	—	51	—	1
Delta (MS)	—	—	1,030	—	—	—	—	—	20	—	28
Natchez (MS)	—	—	—	—	—	—	—	—	—	—	—
Wilson, B (MS)	—	295,371	105,814	—	—	—	—	460	1,042	—	424
Missouri Basin Mun Pwr											
Agency	—	—	—	—	—	—	—	—	—	—	4
Watertown (SD)	—	—	—	—	—	—	—	—	—	—	4
Modesto Irrigation Dist.....	—	—	419	324	—	—	—	—	6	—	11
McClure (CA)	—	—	131	—	—	—	—	—	2	—	9
New Hogan (CA)	—	—	—	326	—	—	—	—	—	—	—
Stone Drop (CA)	—	—	—	-2	—	—	—	—	—	—	—
Woodland (CA)	—	—	288	—	—	—	—	—	4	—	2
Monongahela Power Co.....	2,511,759	1,898	156	—	—	—	1,015	3	2	1,759	15
Albright (WV)	137,685	217	—	—	—	—	63	*	—	34	1
Fort Martin (WV)	596,823	1,194	—	—	—	—	230	2	—	338	5
Harrison (WV)	885,330	126	—	—	—	—	350	*	—	794	*
Pleasants (WV)	719,189	208	—	—	—	—	298	*	—	576	8
Rivesville (WV)	44,720	143	—	—	—	—	22	*	—	5	1
Willow Island (WV)	128,012	10	156	—	—	—	52	*	2	12	*
Montana Dakota Utils Co.....	281,240	437	1,884	—	—	—	241	1	28	194	4
Coyote (ND)	236,366	437	—	—	—	—	197	1	—	146	2
Glendive (MT)	—	—	653	—	—	—	—	—	9	—	1
Heskett (ND)	40,412	—	—	—	—	—	40	—	—	37	—
Lewis & Clark (MT)	4,462	—	125	—	—	—	4	—	3	11	—
Miles City (MT)	—	—	1,114	—	—	—	—	—	16	—	1
Williston (ND)	—	—	-8	—	—	—	—	—	—	—	—
Montana Power Co (The)	1,330,981	2,028	211	363,244	—	—	827	4	2	431	15
Black Eagle (MT)	—	—	—	13,559	—	—	—	—	—	—	—
Cochrane (MT)	—	—	—	28,839	—	—	—	—	—	—	—
Colstrip (MT)	1,223,778	2,028	—	—	—	—	755	4	—	393	14

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Montana Power Co (The)											
Corette, J E (MT)	107,203	—	211	—	—	—	72	—	2	38	—
Frank Bird (MT)	—	—	—	—	—	—	—	—	—	—	—
Hauser Lake (MT)	—	—	—	11,954	—	—	—	—	—	—	—
Holter (MT)	—	—	—	29,664	—	—	—	—	—	—	—
Kerr (MT)	—	—	—	121,483	—	—	—	—	—	—	—
Lake Diesel (MT)	—	—	—	—	—	—	—	—	—	—	—
Madison (MT)	—	—	—	4,955	—	—	—	—	—	—	—
Milltown (MT)	—	—	—	1,830	—	—	—	—	—	—	—
Morony (MT)	—	—	—	31,168	—	—	—	—	—	—	—
Mystic Lake (MT)	—	—	—	5,728	—	—	—	—	—	—	—
Rainbow (MT)	—	—	—	19,988	—	—	—	—	—	—	—
Ryan (MT)	—	—	—	42,171	—	—	—	—	—	—	—
Thompson Falls (MT)	—	—	—	51,905	—	—	—	—	—	—	—
Yellowstone (MT)	—	—	—	—	—	—	—	—	—	—	1
Montaup Electric Company	74,564	1,270	—	—	—	—	27	2	—	61	43
Somerset (MA)	74,564	1,270	—	—	—	—	27	2	—	61	43
Moorhead (City of)	—	—	—	—	—	—	—	—	—	2	*
Moorhead (MN)	—	—	—	—	—	—	—	—	—	2	*
Morgan (City of)	—	—	6,476	—	—	—	—	—	96	—	—
Morgan City (LA)	—	—	6,476	—	—	—	—	—	96	—	—
Muscatine (City of)	139,817	102	81	—	—	—	85	*	1	257	3
Muscatine (IA)	139,817	102	81	—	—	—	85	*	1	257	3
N Y State Elec & Gas Corp	814,636	909	—	28,971	—	641	339	2	—	234	6
Cadyville (NY)	—	—	—	2,304	—	—	—	—	—	—	—
Goudey (NY)	69,436	99	—	—	—	—	28	*	—	36	1
Greenidge (NY)	58,199	175	—	—	—	—	22	*	—	48	*
Harris Lake (NY)	—	3	—	—	—	—	—	*	—	—	*
Hickling (NY)	25,001	—	—	—	—	—	19	—	—	12	—
High Falls (NY)	—	—	—	9,704	—	—	—	—	—	—	—
Jennison (NY)	30,049	—	—	—	—	641	19	—	—	2	—
Kents Falls (NY)	—	—	—	6,131	—	—	—	—	—	—	—
Keuka (NY)	—	—	—	—	—	—	—	—	—	—	—
Mechanicville (NY)	—	—	—	6,111	—	—	—	—	—	—	—
Mill C (NY)	—	—	—	2,729	—	—	—	—	—	—	—
Milliken (NY)	180,014	433	—	—	—	—	72	1	—	76	2
Rainbow Falls (NY)	—	—	—	1,556	—	—	—	—	—	—	—
Seneca Falls (NY)	—	—	—	359	—	—	—	—	—	—	—
Somerset (NY)	451,937	199	—	—	—	—	179	*	—	61	3
Waterloo (NY)	—	—	—	77	—	—	—	—	—	—	—
Nantahala Pwr & Lgt Co	—	—	—	13,634	—	—	—	—	—	—	—
Bear Creek (NC)	—	—	—	1,199	—	—	—	—	—	—	—
Bryson (NC)	—	—	—	89	—	—	—	—	—	—	—
Cedar Cliff (NC)	—	—	—	1,024	—	—	—	—	—	—	—
Dillsboro (NC)	—	—	—	27	—	—	—	—	—	—	—
Franklin (NC)	—	—	—	207	—	—	—	—	—	—	—
Mission (NC)	—	—	—	—	—	—	—	—	—	—	—
Nantahala (NC)	—	—	—	2,632	—	—	—	—	—	—	—
Queens Creek (NC)	—	—	—	227	—	—	—	—	—	—	—
Tennessee Creek (NC)	—	—	—	1,746	—	—	—	—	—	—	—
Thorpe (NC)	—	—	—	5,982	—	—	—	—	—	—	—
Tuckasegee (NC)	—	—	—	501	—	—	—	—	—	—	—
Nantucket Elec Co	—	165	—	—	—	—	—	*	—	—	2
Nantucket (MA)	—	165	—	—	—	—	—	*	—	—	2
Natchitoches (City of)	—	—	—	—	—	—	—	—	—	—	—
Natchitoches (LA)	—	—	—	—	—	—	—	—	—	—	—
Nebraska City (City of)	—	14	219	—	—	—	—	*	3	—	—
Nebraska City (NE)	—	16	247	—	—	—	—	*	3	—	—
Syracuse No 2 (NE)	—	-2	-28	—	—	—	—	*	—	—	—
Nebraska Pub Power Dist	895,796	81	1,547	30,528	546,961	—	549	*	16	771	19

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Nebraska Pub Power Dist											
Canaday (NE).....	—	—	—	—	—	—	—	—	—	—	—
Columbus (NE).....	—	—	—	12,121	—	—	—	—	—	—	—
Cooper (NE).....	—	—	—	—	546,961	—	—	—	—	—	—
David City (NE).....	—	11	—	—	—	—	—	*	—	—	*
Gentleman (NE).....	772,368	—	1,455	—	—	—	470	—	15	670	6
Hallam (NE).....	—	—	72	—	—	—	—	—	1	—	3
Hebron (NE).....	—	45	—	—	—	—	—	*	—	—	4
Kearney (NE).....	—	—	—	—	—	—	—	—	—	—	—
Lodgepole (NE).....	—	1	—	—	—	—	—	*	—	—	*
Lyons (NE).....	—	3	—	—	—	—	—	*	—	—	*
Madison (NE).....	—	—	—	—	—	—	—	—	—	—	—
Mc Cook (NE).....	—	—	—	—	—	—	—	*	—	—	5
Minnechadua (NE).....	—	—	—	—	—	—	—	—	—	—	—
Mobile (NE).....	—	—	—	—	—	—	—	—	—	—	—
Monroe (NE).....	—	—	—	1,963	—	—	—	—	—	—	—
North Platte (NE).....	—	—	—	15,813	—	—	—	—	—	—	—
Ord (NE).....	—	14	13	—	—	—	—	*	*	—	*
Schuyler (NE).....	—	—	—	—	—	—	—	—	—	—	—
Sheldon (NE).....	123,428	—	—	—	—	—	79	—	—	101	—
Spencer (NE).....	—	—	—	631	—	—	—	—	—	—	—
Sutherland (NE).....	—	5	—	—	—	—	—	*	—	—	*
Wakefield (NE).....	—	2	7	—	—	—	—	*	*	—	*
Nevada Irrigation Dist											
Bowman (CA).....	—	—	—	13,936	—	—	—	—	—	—	—
Chicago Park (CA).....	—	—	—	35	—	—	—	—	—	—	—
Combie No (CA).....	—	—	—	5,445	—	—	—	—	—	—	—
Combie So (CA).....	—	—	—	35	—	—	—	—	—	—	—
Dutch Flat No.2 (CA).....	—	—	—	9	—	—	—	—	—	—	—
Rollins (CA).....	—	—	—	5,754	—	—	—	—	—	—	—
Scott Flat (CA).....	—	—	—	1,377	—	—	—	—	—	—	—
Scott Flat (CA).....	—	—	—	1,281	—	—	—	—	—	—	—
Nevada Power Co											
Clark (NV).....	332,521	1,005	16,145	—	—	—	154	2	140	315	46
Gardner, Reid (NV).....	—	—	14,475	—	—	—	—	—	120	—	8
Sun Peak (NV).....	332,521	1,005	—	—	—	—	154	2	—	315	10
Sunrise (NV).....	—	—	1,670	—	—	—	—	—	20	—	—
Sunrise (NV).....	—	—	—	—	—	—	—	—	—	—	28
New England Power Co											
Bear Swamp (MA).....	911,056	159,093	326,326	105,079	—	—	345	261	2,516	397	702
Bellows Falls (VT).....	—	—	—	-10,293	—	—	—	—	—	—	—
Brayton Point (MA).....	—	—	—	21,850	—	—	—	—	—	—	—
Comerford (NH).....	760,429	137	1,811	—	—	—	280	*	26	285	334
Deerfield No. 2 (MA).....	—	—	—	18,848	—	—	—	—	—	—	—
Deerfield No. 3 (MA).....	—	—	—	3,067	—	—	—	—	—	—	—
Deerfield No. 4 (MA).....	—	—	—	3,194	—	—	—	—	—	—	—
Deerfield No. 5 (MA).....	—	—	—	2,593	—	—	—	—	—	—	—
Fife Brook (MA).....	—	—	—	5,025	—	—	—	—	—	—	—
Gloucester (MA).....	—	—	—	3,192	—	—	—	—	—	—	—
Harriman (VT).....	—	77	—	—	—	—	—	*	—	—	2
Manchester Street (RI).....	—	—	—	7,995	—	—	—	—	—	—	—
McIndoes (NH).....	—	—	324,515	—	—	—	—	—	2,490	—	13
Moore (NH).....	—	—	—	3,959	—	—	—	—	—	—	—
Newburyport (MA).....	—	—	—	16,420	—	—	—	—	—	—	—
Salem Harbor (MA).....	—	16	—	—	—	—	—	*	—	—	1
Searsburg (VT).....	150,627	158,863	—	—	—	—	65	261	—	112	353
Sherman (MA).....	—	—	—	1,592	—	—	—	—	—	—	—
Vernon (NH).....	—	—	—	2,499	—	—	—	—	—	—	—
Vernon (VT).....	—	—	—	7,434	—	—	—	—	—	—	—
Wilder (NH).....	—	—	—	5,544	—	—	—	—	—	—	—
Wilder (VT).....	—	—	—	10,161	—	—	—	—	—	—	—
Wilder (VT).....	—	—	—	1,999	—	—	—	—	—	—	—
New Orleans Pub Serv Inc											
Michoud (LA).....	—	28,713	117,929	—	—	—	—	51	1,316	—	248
Paterson, A B (LA).....	—	28,704	117,929	—	—	—	—	51	1,316	—	247
Paterson, A B (LA).....	—	9	—	—	—	—	—	*	—	—	1
New Ulm (City of)											
New Ulm (MN).....	—	—	1,523	—	—	—	—	—	51	3	3
New Ulm (MN).....	—	—	1,523	—	—	—	—	—	51	3	3

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Niagara Mohawk Power Corp	603,221	43,223	78,467	222,196	569,453	—	240	126	851	235	539
Albany (NY).....	—	25,307	9,586	—	—	—	—	43	129	—	99
Allens Falls (NY).....	—	—	—	2,726	—	—	—	—	—	—	—
Baldwinsville (NY).....	—	—	—	224	—	—	—	—	—	—	—
Beardslee (NY).....	—	—	—	4,136	—	—	—	—	—	—	—
Beebee Island (NY).....	—	—	—	4,428	—	—	—	—	—	—	—
Belfort (NY).....	—	—	—	850	—	—	—	—	—	—	—
Bennetts Bridge (NY).....	—	—	—	5,884	—	—	—	—	—	—	—
Black River (NY).....	—	—	—	2,544	—	—	—	—	—	—	—
Blake (NY).....	—	—	—	3,504	—	—	—	—	—	—	—
Browns Falls (NY).....	—	—	—	5,648	—	—	—	—	—	—	—
Chasm (NY).....	—	—	—	1,000	—	—	—	—	—	—	—
Colton (NY).....	—	—	—	15,690	—	—	—	—	—	—	—
Deferiet (NY).....	—	—	—	5,340	—	—	—	—	—	—	—
Dunkirk (NY).....	274,345	762	—	—	—	—	103	1	—	90	2
Eagle (NY).....	—	—	—	2,134	—	—	—	—	—	—	—
East Norfolk (NY).....	—	—	—	1,987	—	—	—	—	—	—	—
Eel Weir (NY).....	—	—	—	838	—	—	—	—	—	—	—
Effley (NY).....	—	—	—	1,049	—	—	—	—	—	—	—
Elmer (NY).....	—	—	—	685	—	—	—	—	—	—	—
Ephratah (NY).....	—	—	—	2,325	—	—	—	—	—	—	—
Feeder Dam (NY).....	—	—	—	2,200	—	—	—	—	—	—	—
Five Falls (NY).....	—	—	—	5,855	—	—	—	—	—	—	—
Flat Rock (NY).....	—	—	—	1,556	—	—	—	—	—	—	—
Franklin (NY).....	—	—	—	—	—	—	—	—	—	—	—
Fulton (NY).....	—	—	—	630	—	—	—	—	—	—	—
Glenwood (NY).....	—	—	—	393	—	—	—	—	—	—	—
Granby (NY).....	—	—	—	4,006	—	—	—	—	—	—	—
Green Island (NY).....	—	—	—	3,369	—	—	—	—	—	—	—
Hannawa (NY).....	—	—	—	4,206	—	—	—	—	—	—	—
Herrings (NY).....	—	—	—	2,357	—	—	—	—	—	—	—
Heuvelton (NY).....	—	—	—	496	—	—	—	—	—	—	—
High Dam (NY).....	—	—	—	4,597	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	2,186	—	—	—	—	—	—	—
Higley (NY).....	—	—	—	2,591	—	—	—	—	—	—	—
Hogansburg (NY).....	—	—	—	146	—	—	—	—	—	—	—
Huntley, C R (NY).....	328,876	817	—	—	—	—	136	2	—	145	2
Hydraulic Race (NY).....	—	—	—	—	—	—	—	—	—	—	—
Inghams (NY).....	—	—	—	2,771	—	—	—	—	—	—	—
Johnsonville (NY).....	—	—	—	453	—	—	—	—	—	—	—
Kamargo (NY).....	—	—	—	3,272	—	—	—	—	—	—	—
Lighthouse Hill (NY).....	—	—	—	1,607	—	—	—	—	—	—	—
Macomb (NY).....	—	—	—	636	—	—	—	—	—	—	—
Mechanicville (NY).....	—	—	—	-25	—	—	—	—	—	—	—
Minetto (NY).....	—	—	—	3,594	—	—	—	—	—	—	—
Moshier (NY).....	—	—	—	2,524	—	—	—	—	—	—	—
Nine Mile Point (NY).....	—	3	—	—	569,453	—	—	*	—	—	1
Norfolk (NY).....	—	—	—	2,413	—	—	—	—	—	—	—
Norwood (NY).....	—	—	—	1,200	—	—	—	—	—	—	—
Oak Orchard (NY).....	—	—	—	—	—	—	—	—	—	—	—
Oswegatchie (NY).....	—	—	—	—	—	—	—	—	—	—	—
Oswego (NY).....	—	16,334	68,881	—	—	—	—	80	722	—	436
Oswego Falls Es (NY).....	—	—	—	2,962	—	—	—	—	—	—	—
Oswego Falls Ws (NY).....	—	—	—	845	—	—	—	—	—	—	—
Parishville (NY).....	—	—	—	1,668	—	—	—	—	—	—	—
Piercefield (NY).....	—	—	—	525	—	—	—	—	—	—	—
Prospect (NY).....	—	—	—	4,198	—	—	—	—	—	—	—
Rainbow (NY).....	—	—	—	5,892	—	—	—	—	—	—	—
Raymondville (NY).....	—	—	—	908	—	—	—	—	—	—	—
Schaghticoke (NY).....	—	—	—	4,036	—	—	—	—	—	—	—
School Street (NY).....	—	—	—	16,666	—	—	—	—	—	—	—
Schuylerville (NY).....	—	—	—	856	—	—	—	—	—	—	—
Sewalls (NY).....	—	—	—	1,508	—	—	—	—	—	—	—
Sherman Island (NY).....	—	—	—	12,309	—	—	—	—	—	—	—
So Glens Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Soft Maple (NY).....	—	—	—	1,409	—	—	—	—	—	—	—
South Colton (NY).....	—	—	—	4,930	—	—	—	—	—	—	—
South Edwards (NY).....	—	—	—	2,112	—	—	—	—	—	—	—
Spier Falls (NY).....	—	—	—	17,511	—	—	—	—	—	—	—
Stark (NY).....	—	—	—	5,124	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Niagara Mohawk Power Corp											
Stewarts Bridge (NY).....	—	—	—	4,129	—	—	—	—	—	—	—
Stuyvesant Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Sugar Island (NY).....	—	—	—	2,525	—	—	—	—	—	—	—
Talcville (NY).....	—	—	—	238	—	—	—	—	—	—	—
Taylorville (NY).....	—	—	—	1,510	—	—	—	—	—	—	—
Trenton (NY).....	—	—	—	9,074	—	—	—	—	—	—	—
Varick (NY).....	—	—	—	3,552	—	—	—	—	—	—	—
Waterport (NY).....	—	—	—	728	—	—	—	—	—	—	—
West, E J (NY).....	—	—	—	2,596	—	—	—	—	—	—	—
Yaleville (NY).....	—	—	—	360	—	—	—	—	—	—	—
North Atlantic Energy Corp.....	—	—	—	—	834,454	—	—	—	—	—	—
Seabrook (NH).....	—	—	—	—	834,454	—	—	—	—	—	—
North Little Rk (City of).....	—	—	—	10,182	—	—	—	—	—	—	—
Murray (AR).....	—	—	—	10,182	—	—	—	—	—	—	—
Northeast Nucl Energy Co.....	—	—	—	—	-8,690	—	—	—	—	—	—
Millstone (CT).....	—	—	—	—	-8,690	—	—	—	—	—	—
Northern Ind Pub Serv Co.....	1,213,226	51,673	6,259	4,036	—	—	681	—	75	353	—
Bailey (IN).....	242,346	—	366	—	—	—	119	—	4	26	—
Michigan City (IN).....	123,694	—	1,784	—	—	—	75	—	21	66	—
Mitchell, Dean H (IN).....	140,328	—	2,081	—	—	—	88	—	23	32	—
Norway (IN).....	—	—	—	1,530	—	—	—	—	—	—	—
Oakdale (IN).....	—	—	—	2,506	—	—	—	—	—	—	—
Schahfer, R. M. (IN).....	706,858	51,673	2,028	—	—	—	400	—	27	229	—
Northern States Power Co.....	1,866,212	64,819	10,214	72,211	711,968	38,911	1,208	4	139	1,087	279
Angus Anson (SD).....	—	—	4,618	—	—	—	—	—	81	—	30
Apple River (WI).....	—	—	—	1,396	—	—	—	—	—	—	—
Bay Front (WI).....	11,889	—	2,655	—	—	13,562	8	—	11	21	—
Big Falls (WI).....	—	—	—	3,690	—	—	—	—	—	—	—
Black Dog (MN).....	136,911	—	260	—	—	—	87	—	3	47	*
Blue Lake (MN).....	—	-127	—	—	—	—	—	*	—	—	59
Cedar Falls (WI).....	—	—	—	2,717	—	—	—	—	—	—	—
Chippewa Falls (WI).....	—	—	—	5,588	—	—	—	—	—	—	—
Cornell (WI).....	—	—	—	6,448	—	—	—	—	—	—	—
Dells (WI).....	—	—	—	3,986	—	—	—	—	—	—	—
Flambeau (WI).....	—	—	844	—	—	—	—	—	16	—	7
French Island (WI).....	—	-16	14	—	—	5,301	—	*	*	—	33
Granite City (MN).....	—	—	-26	—	—	—	—	—	*	—	1
Hayward (WI).....	—	—	—	139	—	—	—	—	—	—	—
Hennepin Island (MN).....	—	—	—	5,924	—	—	—	—	—	—	—
High Bridge (MN).....	71,946	—	1,174	—	—	—	44	—	12	68	3
Holcombe (WI).....	—	—	—	7,270	—	—	—	—	—	—	—
Inver Hills (MN).....	—	-53	—	—	—	—	—	*	—	—	40
Jim Falls (WI).....	—	—	—	9,888	—	—	—	—	—	—	—
Key City (MN).....	—	—	-61	—	—	—	—	—	—	—	3
King (MN).....	285,329	47,495	106	—	—	—	158	—	1	100	—
Ladysmith (WI).....	—	—	—	1,132	—	—	—	—	—	—	—
Menomonie (WI).....	—	—	—	1,714	—	—	—	—	—	—	—
Minnesota Valley (MN).....	—	—	-42	—	—	—	—	—	—	—	*
Monticello (MN).....	—	—	—	—	331,838	—	—	—	—	—	—
Pathfinder (SD).....	—	—	-149	—	—	—	—	—	—	—	—
Prairie Island (MN).....	—	—	—	—	380,130	—	—	—	—	—	—
Redwing (MN).....	—	—	179	—	—	10,402	—	—	3	—	—
Riverdale (WI).....	—	—	—	295	—	—	—	—	—	—	—
Riverside (MN).....	212,829	16,580	274	—	—	—	121	*	3	94	*
Saxon Falls (MI).....	—	—	—	644	—	—	—	—	—	—	—
Sherburne County (MN).....	1,147,308	545	—	—	—	—	790	1	—	757	4
St Croix Falls (WI).....	—	—	—	8,321	—	—	—	—	—	—	—
Superior Falls (MI).....	—	—	—	690	—	—	—	—	—	—	—
Thornapple (WI).....	—	—	—	938	—	—	—	—	—	—	—
Trego (WI).....	—	—	—	583	—	—	—	—	—	—	—
West Faribault (MN).....	—	—	-20	—	—	—	—	—	—	—	—
Wheaton (WI).....	—	395	250	—	—	—	—	2	6	—	99
White River (WI).....	—	—	—	346	—	—	—	—	—	—	—
Wilmarth (MN).....	—	—	138	—	—	9,646	—	—	2	—	—
Wissota (WI).....	—	—	—	10,502	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Northwestern Pub Serv Co.	—	-44	-92	—	—	—	—	*	1	—	11
Aberdeen (SD)	—	6	—	—	—	—	—	*	—	—	4
Clark (SD)	—	-7	—	—	—	—	—	*	—	—	*
Faulkton (SD)	—	-6	—	—	—	—	—	*	—	—	*
Highmore (SD)	—	-5	—	—	—	—	—	*	—	—	*
Huron (SD)	—	—	-72	—	—	—	—	—	*	—	6
Mobile (SD)	—	-6	—	—	—	—	—	*	—	—	*
Redfield (SD)	—	-6	-12	—	—	—	—	*	*	—	*
Webster (SD)	—	-15	—	—	—	—	—	*	—	—	*
Yankton New (SD)	—	-5	-8	—	—	—	—	*	*	—	1
Oakdale South San Joaquin	—	—	—	15,029	—	—	—	—	—	—	—
Beardsley (CA)	—	—	—	3,358	—	—	—	—	—	—	—
Donnels (CA)	—	—	—	4,138	—	—	—	—	—	—	—
Sand Bar (CA)	—	—	—	4,451	—	—	—	—	—	—	—
Tulloch (CA)	—	—	—	3,082	—	—	—	—	—	—	—
Oglethorpe Power Corp	—	—	—	-38,873	—	—	—	—	—	—	—
Rocky Mountain (GA)	—	—	—	-39,471	—	—	—	—	—	—	—
Tallassee (GA)	—	—	—	598	—	—	—	—	—	—	—
Ohio Edison Co.	1,209,892	907	1,819	—	—	—	501	1	20	966	34
Burger, R E (OH)	174,153	86	—	—	—	—	76	*	—	150	1
Edgewater (OH)	—	1	1,819	—	—	—	—	*	20	—	6
Gorge Steam (OH)	—	—	—	—	—	—	—	—	—	—	—
Mad River (OH)	—	—	—	—	—	—	—	—	—	—	15
Niles (OH)	91,352	273	—	—	—	—	41	1	—	72	8
Sammis (OH)	944,387	547	—	—	—	—	384	1	—	745	3
West Lorain (OH)	—	—	—	—	—	—	—	—	—	—	—
Ohio Power Co.	2,922,242	5,308	—	23,526	—	—	1,211	9	—	2,617	84
Gavin, Gen J M (OH)	1,454,125	1,158	—	—	—	—	634	2	—	1,568	38
Kammer (WV)	414,204	273	—	—	—	—	161	*	—	213	1
Mitchell (WV)	481,037	490	—	—	—	—	182	1	—	438	35
Muskingum River (OH)	572,876	3,387	—	—	—	—	234	6	—	399	10
Racine (OH)	—	—	—	23,526	—	—	—	—	—	—	—
Tidd (OH)	—	—	—	—	—	—	—	—	—	—	—
Ohio Valley Elec Corp.	722,575	75	—	—	—	—	278	*	—	405	1
Kyger Creek (OH)	722,575	75	—	—	—	—	278	*	—	405	1
Oklahoma Gas & Elec Co.	1,242,779	221	200,541	—	—	—	752	*	2,170	1,462	230
Arbuckle (OK)	—	—	—	—	—	—	—	—	—	—	—
Conoco (OK)	—	—	43,979	—	—	—	—	—	368	—	—
Enid (OK)	—	—	—	—	—	—	—	—	—	—	—
Horseshoe Lake (OK)	—	—	26,794	—	—	—	—	—	321	—	40
Muskogee (OK)	740,028	—	185	—	—	—	440	—	14	1,006	*
Mustang (OK)	—	—	43,136	—	—	—	—	—	443	—	2
Seminole (OK)	—	—	86,447	—	—	—	—	—	1,023	—	154
Sooner (OK)	502,751	221	—	—	—	—	312	*	—	456	33
Woodward (OK)	—	—	—	—	—	—	—	—	—	—	—
Oklahoma Mun Power	—	—	25	6,607	—	—	—	—	*	—	1
Authority	—	—	—	6,607	—	—	—	—	—	—	—
Kaw Hydro (OK)	—	—	—	—	—	—	—	—	—	—	—
Ponca Steam (OK)	—	—	—	—	—	—	—	—	—	—	—
Ponca Steam (OK)	—	—	25	—	—	—	—	—	*	—	1
Omaha Public Power Dist.	277,191	2,838	1,122	—	348,251	—	181	8	14	672	27
Fort Calhoun (NE)	—	—	—	—	348,251	—	—	—	—	—	—
Jones Street (NE)	—	53	—	—	—	—	—	*	—	—	17
Nebraska City (NE)	1,920	2,400	—	—	—	—	1	6	—	394	4
North Omaha (NE)	275,271	—	1,009	—	—	—	180	—	11	277	—
Sarpy (NE)	—	385	113	—	—	—	—	2	3	—	6
Orange & Rockland Utl Inc	173,198	6,721	176,232	8,818	—	—	73	12	1,795	48	533
Bowline Point (NY)	—	6,687	153,033	—	—	—	—	11	1,546	—	482
Grahamsville (NY)	—	—	—	8,482	—	—	—	—	—	—	—
Hillburn (NY)	—	—	12	—	—	—	—	—	*	—	3
Lovett (NY)	173,198	—	23,084	—	—	—	73	—	240	48	46

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Orange & Rockland Util Inc											
Mongaup (NY).....	—	—	—	27	—	—	—	—	—	—	—
Rio (NY).....	—	—	—	319	—	—	—	—	—	—	—
Shoemaker (NY).....	—	34	103	—	—	—	—	1	9	—	3
Swinging Bridge 1 (NY).....	—	—	—	-7	—	—	—	—	—	—	—
Swinging Bridge 2 (NY).....	—	—	—	-3	—	—	—	—	—	—	—
Orlando (City of)	374,076	11,038	7,471	—	—	—	144	22	97	98	244
Indian River (FL).....	—	10,259	7,471	—	—	—	—	21	97	—	241
St Cloud (FL).....	—	—	—	—	—	—	—	—	—	—	—
Stanton (FL).....	374,076	779	—	—	—	—	144	1	—	98	2
Oroville Wyandotte I Dist	—	—	—	2,522	—	—	—	—	—	—	—
Forbestown (CA).....	—	—	—	511	—	—	—	—	—	—	—
Kelly Ridge (CA).....	—	—	—	1,424	—	—	—	—	—	—	—
Sly Creek (CA).....	—	—	—	587	—	—	—	—	—	—	—
Woodleaf (CA).....	—	—	—	—	—	—	—	—	—	—	—
Orrville (City of)	23,747	—	25	—	—	—	13	—	*	1	—
Orrville (OH).....	23,747	—	25	—	—	—	13	—	*	1	—
Ottawa (City of)	—	-10	-19	—	—	—	—	*	*	—	1
Ottawa (KS).....	—	-10	-19	—	—	—	—	*	*	—	1
Otter Tail Power Co	338,262	263	—	2,321	—	—	201	1	—	219	19
Bemidji (MN).....	—	—	—	156	—	—	—	—	—	—	—
Big Stone (SD).....	293,368	27	—	—	—	—	174	*	—	196	4
Dayton Hollow (MN).....	—	—	—	727	—	—	—	—	—	—	—
Hoot Lake (MN).....	44,894	162	—	441	—	—	27	*	—	24	*
Jamestown (ND).....	—	61	—	—	—	—	—	*	—	—	9
Lake Preston (SD).....	—	13	—	—	—	—	—	*	—	—	6
Pisgah (MN).....	—	—	—	453	—	—	—	—	—	—	—
Port 148 (MN).....	—	—	—	—	—	—	—	—	—	—	—
Taplin Gorge (MN).....	—	—	—	252	—	—	—	—	—	—	—
Wright (MN).....	—	—	—	292	—	—	—	—	—	—	—
Owatonna (City of)	—	—	194	—	—	—	—	—	3	—	—
Owatonna (MN).....	—	—	194	—	—	—	—	—	3	—	—
Owensboro (City of)	203,672	619	—	—	—	—	96	1	—	125	2
Elmer Smith (KY).....	203,672	619	—	—	—	—	96	1	—	125	2
Pacific Gas & Electric Co	—	27,503	1,049,028	880,287	1,561,760	424,986	—	65	11,377	—	1,513
Alta (CA).....	—	—	—	243	—	—	—	—	—	—	—
Angels (CA).....	—	—	—	260	—	—	—	—	—	—	—
Balch 1 (CA).....	—	—	—	7,103	—	—	—	—	—	—	—
Balch 2 (CA).....	—	—	—	34,463	—	—	—	—	—	—	—
Belden (CA).....	—	—	—	51,632	—	—	—	—	—	—	—
Black, James B (CA).....	—	—	—	51,546	—	—	—	—	—	—	—
Bucks Creek (CA).....	—	—	—	31,658	—	—	—	—	—	—	—
Butt Valley (CA).....	—	—	—	23,794	—	—	—	—	—	—	—
Caribou 1 (CA).....	—	—	—	14,709	—	—	—	—	—	—	—
Caribou 2 (CA).....	—	—	—	68,961	—	—	—	—	—	—	—
Centerville (CA).....	—	—	—	854	—	—	—	—	—	—	—
Chili Bar (CA).....	—	—	—	1,122	—	—	—	—	—	—	—
Coal Canyon (CA).....	—	—	—	385	—	—	—	—	—	—	—
Coleman (CA).....	—	—	—	6,411	—	—	—	—	—	—	—
Contra Costa (CA).....	—	—	64,586	—	—	—	—	—	648	—	459
Cow Creek (CA).....	—	—	—	1,862	—	—	—	—	—	—	—
Crane Valley (CA).....	—	—	—	221	—	—	—	—	—	—	—
Cresta (CA).....	—	—	—	31,661	—	—	—	—	—	—	—
De Sabla (CA).....	—	—	—	7,900	—	—	—	—	—	—	—
Deer Creek (CA).....	—	—	—	1,385	—	—	—	—	—	—	—
Diablo Canyon (CA).....	—	—	—	—	1,561,760	—	—	—	—	—	—
Downieville (CA).....	—	-50	—	—	—	—	—	—	—	—	*
Drum 1 (CA).....	—	—	—	—	—	—	—	—	—	—	—
Drum 2 (CA).....	—	—	—	13,644	—	—	—	—	—	—	—
Dutch Flat (CA).....	—	—	—	-4	—	—	—	—	—	—	—
El Dorado (CA).....	—	—	—	—	—	—	—	—	—	—	—
Electra (CA).....	—	—	—	10,186	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pacific Gas & Electric Co											
Haas (CA)	—	—	—	37,764	—	—	—	—	—	—	—
Halsey (CA)	—	—	—	1,723	—	—	—	—	—	—	—
Hamilton Branch (CA)	—	—	—	1,306	—	—	—	—	—	—	—
Hat Creek 1 (CA)	—	—	—	3,825	—	—	—	—	—	—	—
Hat Creek 2 (CA)	—	—	—	5,070	—	—	—	—	—	—	—
Helms (CA)	—	—	—	-34,629	—	—	—	—	—	—	—
Hercules St (CA)	—	—	—	—	—	—	—	—	—	—	—
Humbolt Bay (CA)	—	51	17,022	—	—	—	—	*	251	—	22
Hunters Point (CA)	—	-22	91,547	—	—	—	—	*	1,113	—	17
Inskip (CA)	—	—	—	4,443	—	—	—	—	—	—	—
Kerckhoff (CA)	—	—	—	10,978	—	—	—	—	—	—	—
Kerckhoff 2 (CA)	—	—	—	2,055	—	—	—	—	—	—	—
Kern Canyon (CA)	—	—	—	—	—	—	—	—	—	—	—
Kilarc (CA)	—	—	—	1,065	—	—	—	—	—	—	—
Kings River (CA)	—	—	—	11,923	—	—	—	—	—	—	—
Lime Saddle (CA)	—	—	—	517	—	—	—	—	—	—	—
Merced Falls (CA)	—	—	—	-6	—	—	—	—	—	—	—
Mobile Turbine (CA)	—	—	—	—	—	—	—	—	—	—	*
Morro Bay (CA)	—	—	154,815	—	—	—	—	—	1,540	—	—
Moss Landing (CA)	—	—	321,295	—	—	—	—	—	2,987	—	72
Murphys (CA)	—	—	—	475	—	—	—	—	—	—	—
Narrows (CA)	—	—	—	—	—	—	—	—	—	—	—
Newcastle (CA)	—	—	—	452	—	—	—	—	—	—	—
Oak Flat (CA)	—	—	—	398	—	—	—	—	—	—	—
Oakland (CA)	—	-15	—	—	—	—	—	*	—	—	21
Phoenix (CA)	—	—	—	—	—	—	—	—	—	—	—
Pit 1 (CA)	—	—	—	26,497	—	—	—	—	—	—	—
Pit 3 (CA)	—	—	—	33,977	—	—	—	—	—	—	—
Pit 4 (CA)	—	—	—	43,593	—	—	—	—	—	—	—
Pit 5 (CA)	—	—	—	76,217	—	—	—	—	—	—	—
Pit 6 (CA)	—	—	—	29,043	—	—	—	—	—	—	—
Pit 7 (CA)	—	—	—	40,676	—	—	—	—	—	—	—
Pittsburg (CA)	—	—	399,763	—	—	—	—	—	4,837	—	762
Poe (CA)	—	—	—	54,805	—	—	—	—	—	—	—
Potrero (CA)	—	27,539	—	—	—	—	—	65	—	—	159
Potter Valley (CA)	—	—	—	5,975	—	—	—	—	—	—	—
PVUSA 1 (CA)	—	—	—	—	—	35	—	—	—	—	—
Rock Creek (CA)	—	—	—	46,997	—	—	—	—	—	—	—
Salt Springs (CA)	—	—	—	17,348	—	—	—	—	—	—	—
San Joaquin No. 1a (CA)	—	—	—	129	—	—	—	—	—	—	—
San Joaquin No. 2 (CA)	—	—	—	1,064	—	—	—	—	—	—	—
San Joaquin 3 (CA)	—	—	—	1,381	—	—	—	—	—	—	—
South (CA)	—	—	—	4,794	—	—	—	—	—	—	—
Spaulding No. 1 (CA)	—	—	—	1,458	—	—	—	—	—	—	—
Spaulding No. 2 (CA)	—	—	—	1,072	—	—	—	—	—	—	—
Spaulding No. 3 (CA)	—	—	—	3,113	—	—	—	—	—	—	—
Spring Gap (CA)	—	—	—	3,014	—	—	—	—	—	—	—
Stanislaus (CA)	—	—	—	26,962	—	—	—	—	—	—	—
The Geysers (CA)	—	—	—	—	—	424,951	—	—	—	—	—
Tiger Creek (CA)	—	—	—	30,942	—	—	—	—	—	—	—
Toadtown (CA)	—	—	—	452	—	—	—	—	—	—	—
Tule River (CA)	—	—	—	821	—	—	—	—	—	—	—
Volta (CA)	—	—	—	4,752	—	—	—	—	—	—	—
Volta 2 (CA)	—	—	—	605	—	—	—	—	—	—	—
West Point (CA)	—	—	—	9,544	—	—	—	—	—	—	—
Wise (CA)	—	—	—	2,927	—	—	—	—	—	—	—
Wishon, A G (CA)	—	—	—	4,774	—	—	—	—	—	—	—
Pacificorp	4,553,951	4,536	11,608	565,699	—	13,734	2,618	9	222	3,080	25
American Fork (UT)	—	—	—	—	—	—	—	—	—	—	—
Ashton (ID)	—	—	—	3,956	—	—	—	—	—	—	—
Beaver Upper (UT)	—	—	—	839	—	—	—	—	—	—	—
Bend (OR)	—	—	—	583	—	—	—	—	—	—	—
Big Fork (MT)	—	—	—	1,227	—	—	—	—	—	—	—
Blundell (UT)	—	—	—	—	—	13,734	—	—	—	—	—
Bridger, Jim (WY)	1,370,080	484	—	—	—	—	743	1	—	329	12
Carbon (UT)	119,745	82	—	—	—	—	56	*	—	33	*
Centralia (WA)	728,292	598	—	—	—	—	486	1	—	1,014	2
Clearwater 1 (OR)	—	—	—	6,074	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pacificorp											
Clearwater 2 (OR)	—	—	—	3,935	—	—	—	—	—	—	—
Cline Falls (OR)	—	—	—	630	—	—	—	—	—	—	—
Condit (WA)	—	—	—	9,151	—	—	—	—	—	—	—
Copco 1 (CA)	—	—	—	9,438	—	—	—	—	—	—	—
Copco 2 (CA)	—	—	—	11,622	—	—	—	—	—	—	—
Cove (ID)	—	—	—	5,227	—	—	—	—	—	—	—
Cutler (UT)	—	—	—	16,060	—	—	—	—	—	—	—
Eagle Point (OR)	—	—	—	579	—	—	—	—	—	—	—
East Side (OR)	—	—	—	1,379	—	—	—	—	—	—	—
Fall Creek (CA)	—	—	—	874	—	—	—	—	—	—	—
Fish Creek (OR)	—	—	—	5,312	—	—	—	—	—	—	—
Ftn Green (UT)	—	—	—	—	—	—	—	—	—	—	—
Gadsby (UT)	—	—	—	—	—	—	—	—	—	—	—
Grace (ID)	—	—	—	23,104	—	—	—	—	—	—	—
Granite (UT)	—	—	—	482	—	—	—	—	—	—	—
Hunter (emery) (UT)	594,794	1,831	—	—	—	—	279	4	—	521	2
Huntington Canyon (UT)	565,981	191	—	—	—	—	284	*	—	623	3
Hydro No. 1 (UT)	—	—	—	83	—	—	—	—	—	—	—
Hydro No. 2 (UT)	—	—	—	29	—	—	—	—	—	—	—
Hydro No. 3 (UT)	—	—	—	89	—	—	—	—	—	—	—
Iron Gate (CA)	—	—	—	12,636	—	—	—	—	—	—	—
John C Boyle (OR)	—	—	—	28,744	—	—	—	—	—	—	—
Johnston, Dave (WY)	517,997	615	—	—	—	—	363	1	—	319	3
Last Chance (UT)	—	—	—	912	—	—	—	—	—	—	—
Lemolo 1 (OR)	—	—	—	17,762	—	—	—	—	—	—	—
Lemolo 2 (OR)	—	—	—	21,045	—	—	—	—	—	—	—
Little Mountain (UT)	—	—	10,552	—	—	—	—	—	207	—	1
Merwin (WA)	—	—	—	81,195	—	—	—	—	—	—	—
Naches (WA)	—	—	—	3,027	—	—	—	—	—	—	—
Naches Drop (WA)	—	—	—	765	—	—	—	—	—	—	—
Naughton (WY)	433,316	—	1,467	—	—	—	238	—	15	240	1
Olmstead (UT)	—	—	—	1,418	—	—	—	—	—	—	—
Oneida (ID)	—	—	—	11,055	—	—	—	—	—	—	—
Paris (ID)	—	—	—	218	—	—	—	—	—	—	—
Pioneer (UT)	—	—	—	1,940	—	—	—	—	—	—	—
Powerdale (OR)	—	—	—	2,695	—	—	—	—	—	—	—
Prospect 1 (OR)	—	—	—	3,160	—	—	—	—	—	—	—
Prospect 2 (OR)	—	—	—	12,576	—	—	—	—	—	—	—
Prospect 3 (OR)	—	—	—	—3	—	—	—	—	—	—	—
Prospect 4 (OR)	—	—	—	650	—	—	—	—	—	—	—
Skookumchuck (WA)	—	—	—	—	—	—	—	—	—	—	—
Slide Creek (OR)	—	—	—	6,038	—	—	—	—	—	—	—
Snake Creek (UT)	—	—	—	268	—	—	—	—	—	—	—
Soda (ID)	—	—	—	5,295	—	—	—	—	—	—	—
Soda Springs (OR)	—	—	—	6,643	—	—	—	—	—	—	—
St Anthony (ID)	—	—	—	221	—	—	—	—	—	—	—
Stairs (UT)	—	—	—	257	—	—	—	—	—	—	—
Swift No. 2 (WA)	—	—	—	32,130	—	—	—	—	—	—	—
Swift 1 (WA)	—	—	—	100,697	—	—	—	—	—	—	—
Toketee (OR)	—	—	—	20,843	—	—	—	—	—	—	—
Viva (WY)	—	—	—	262	—	—	—	—	—	—	—
Wallowa Falls (OR)	—	—	—	—	—	—	—	—	—	—	—
Weber (UT)	—	—	—	862	—	—	—	—	—	—	—
West Side (OR)	—	—	—	489	—	—	—	—	—	—	—
Wyodak (WY)	223,746	735	—	—	—	—	167	2	—	—	1
Yale (WA)	—	—	—	91,226	—	—	—	—	—	—	—
Painesville (City of)											
Painesville (OH)	6,479	—	21	—	—	—	4	—	*	13	2
	6,479	—	21	—	—	—	4	—	*	13	2
Pasadena (City of)											
Azusa (CA)	—	—	10,051	380	—	—	—	—	124	—	5
Broadway (CA)	—	—	9,984	380	—	—	—	—	123	—	5
Glenarm (CA)	—	—	67	—	—	—	—	—	1	—	—
Peabody (City of)											
Waters River (MA)	—	—	123	—	—	—	—	—	2	—	5
	—	—	123	—	—	—	—	—	2	—	5
Pella (City of)											
Pella (IA)	4,407	—	—	—	—	—	4	—	—	2	—
	4,407	—	—	—	—	—	4	—	—	2	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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.....	—	—	—	47,659	—	—	—	—	—	—	—
Box Canyon (WA).....	—	—	—	47,374	—	—	—	—	—	—	—
Calispel Creek (WA).....	—	—	—	285	—	—	—	—	—	—	—
Pennsylvania Electric Co.....	3,309,702	5,457	7,299	5,561	—	—	1,338	10	76	2,152	54
Blossburg (PA).....	—	—	—	—	—	—	—	—	—	—	—
Conemaugh (PA).....	897,462	45	5,860	—	—	—	347	*	55	652	5
Deep Creek (MD).....	—	—	—	1,401	—	—	—	—	—	—	—
Homer City (PA).....	785,929	3,109	—	—	—	—	324	5	—	628	6
Keystone (PA).....	1,155,802	1,054	—	—	—	—	461	2	—	635	8
Piney (PA).....	—	—	—	7,849	—	—	—	—	—	—	—
Seneca (PA).....	—	—	—	-3,689	—	—	—	—	—	—	—
Seward (PA).....	109,612	497	—	—	—	—	53	1	—	108	1
Shawville (PA).....	337,703	792	—	—	—	—	140	1	—	108	9
Warren (PA).....	23,194	42	1,439	—	—	—	14	*	21	21	10
Wayne (PA).....	—	-82	—	—	—	—	—	*	—	—	16
Pennsylvania Power Co.....	1,372,863	1,566	—	—	—	—	579	3	—	639	33
Mansfield, Bruce (PA).....	1,206,879	1,491	—	—	—	—	500	2	—	619	32
New Castle (PA).....	165,984	75	—	—	—	—	79	*	—	20	1
Pennsylvania Pwr & Lgt Co.....	1,727,127	81,442	—	56,810	1,593,633	—	628	64	—	4,014	1,208
Allentown (PA).....	—	—	—	—	—	—	—	—	—	—	5
Brunner Island (PA).....	548,957	2,412	—	—	—	—	135	6	—	402	7
Coal Storage (PA).....	—	—	—	—	—	—	—	—	—	2,357	—
Fishbach (PA).....	—	1,120	—	—	—	—	—	2	—	—	2
Harrisburg (PA).....	—	34	—	—	—	—	—	1	—	—	4
Harwood (PA).....	—	—	—	—	—	—	—	—	—	—	2
Holtwood (PA).....	18,793	14,804	—	56,777	—	—	16	1	—	91	*
Jenkins (PA).....	—	—	—	—	—	—	—	—	—	—	2
Loch Haven (PA).....	—	—	—	—	—	—	—	—	—	—	2
Martins Creek (PA).....	130,686	27,171	—	—	—	—	58	50	—	35	1,168
Montour (PA).....	839,349	1,472	—	—	—	—	314	4	—	444	10
Sunbury (PA).....	189,342	34,413	—	—	—	—	106	1	—	685	1
Susquehanna (PA).....	—	—	—	—	1,593,633	—	—	—	—	—	—
Wallenpaupack (PA).....	—	—	—	33	—	—	—	—	—	—	—
West Shore (PA).....	—	12	—	—	—	—	—	*	—	—	2
Williamsport (PA).....	—	4	—	—	—	—	—	*	—	—	2
Peru (City of).....	—	-16	-930	—	—	—	—	1	—	—	1
Peru (IL).....	—	-16	-930	—	—	—	—	1	—	—	1
Peru Utilities.....	2,288	20	—	—	—	—	1	*	—	1	*
Peru (IN).....	2,288	20	—	—	—	—	1	*	—	1	*
Piqua (City of).....	-158	-18	—	—	—	—	—	*	—	—	3
Piqua (OH).....	-158	-18	—	—	—	—	—	*	—	—	3
Placer County Wtr Agency.....	—	—	—	87,579	—	—	—	—	—	—	—
French Meadows (CA).....	—	—	—	6,870	—	—	—	—	—	—	—
Hell Hole (CA).....	—	—	—	232	—	—	—	—	—	—	—
Middle Fork (CA).....	—	—	—	45,883	—	—	—	—	—	—	—
Oxbow (CA).....	—	—	—	2,245	—	—	—	—	—	—	—
Ralston (CA).....	—	—	—	32,349	—	—	—	—	—	—	—
Plains El Gen Trans Coop.....	152,720	—	—	—	—	—	93	—	—	63	9
Algodones (NM).....	—	—	—	—	—	—	—	—	—	—	—
Escalante (NM).....	152,720	—	—	—	—	—	93	—	—	63	9
Plaquemine (City of).....	—	—	—	—	—	—	—	—	—	—	—
Plaquemine (LA).....	—	—	—	—	—	—	—	—	—	—	—
Platte River Power Auth.....	166,175	84	—	—	—	—	100	*	—	112	3
Rawhide (CO).....	166,175	84	—	—	—	—	100	*	—	112	3
Portland General Elec Co.....	288,746	1,534	149,068	252,244	—	—	142	2	1,073	128	198
Beaver (OR).....	—	54	—	—	—	—	—	*	—	—	181
Bethel (OR).....	—	8	—	—	—	—	—	*	—	—	13
Boardman (OR).....	288,746	1,472	—	—	—	—	142	2	—	128	4
Bull Run (OR).....	—	—	—	8,528	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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).....	—	—	149,068	—	—	—	—	—	1,073	—	—
Faraday (OR).....	—	—	—	16,534	—	—	—	—	—	—	—
North Fork (OR).....	—	—	—	16,374	—	—	—	—	—	—	—
Oak Grove (OR).....	—	—	—	20,380	—	—	—	—	—	—	—
Pelton (OR).....	—	—	—	44,857	—	—	—	—	—	—	—
Pelton Re Regulation (OR).....	—	—	—	10,255	—	—	—	—	—	—	—
Portland Hydro Proj 1 (OR).....	—	—	—	—	—	—	—	—	—	—	—
Portland Hydro Proj 2 (OR).....	—	—	—	9,747	—	—	—	—	—	—	—
River Mill (OR).....	—	—	—	9,678	—	—	—	—	—	—	—
Round Butte (OR).....	—	—	—	104,581	—	—	—	—	—	—	—
Sullivan (OR).....	—	—	—	11,310	—	—	—	—	—	—	—
Potomac Edison Co (The)	38,921	54	—	2,095	—	—	24	*	—	3	*
Dam 4 (WV).....	—	—	—	172	—	—	—	—	—	—	—
Dam 5 (WV).....	—	—	—	577	—	—	—	—	—	—	—
Luray (VA).....	—	—	—	163	—	—	—	—	—	—	—
Millville (WV).....	—	—	—	1,003	—	—	—	—	—	—	—
Newport (VA).....	—	—	—	125	—	—	—	—	—	—	—
Shenandoah (VA).....	—	—	—	51	—	—	—	—	—	—	—
Smith, R P (MD).....	38,921	54	—	—	—	—	24	*	—	3	*
Warren (VA).....	—	—	—	4	—	—	—	—	—	—	—
Potomac Electric Pwr Co	1,256,543	89,116	14,878	—	—	—	472	199	176	398	1,032
Benning (DC).....	—	—517	—	—	—	—	—	—	—	—	99
Buzzard Point (DC).....	—	3,866	—	—	—	—	—	14	—	—	19
Chalk Point (MD).....	202,236	79,305	14,878	—	—	—	82	172	176	89	572
Dickerson (MD).....	269,153	1,219	—	—	—	—	100	3	—	90	163
Morgantown (MD).....	632,388	3,336	—	—	—	—	225	6	—	143	178
Potomac River (VA).....	152,766	1,907	—	—	—	—	66	4	—	76	1
Power Authy of St of N Y	—	220,738	157,905	2,016,963	1,298,286	—	—	366	1,376	—	372
Ashokan (NY).....	—	—	—	1,751	—	—	—	—	—	—	—
Blenheim (NY).....	—	—	—	-71,297	—	—	—	—	—	—	—
Crescent (NY).....	—	—	—	5,622	—	—	—	—	—	—	—
Fitzpatrick (NY).....	—	—	—	—	593,015	—	—	—	—	—	—
Flynn (NY).....	—	—	99,519	—	—	—	—	—	785	—	113
Hinckley (NY).....	—	—	—	1,294	—	—	—	—	—	—	—
Indian Point (NY).....	—	—	—	—	705,271	—	—	—	—	—	—
Kensico (NY).....	—	—	—	1,182	—	—	—	—	—	—	—
Lewiston (NY).....	—	—	—	-16,658	—	—	—	—	—	—	—
Moses Niagara (NY).....	—	—	—	1,499,518	—	—	—	—	—	—	—
Moses Power Dam (NY).....	—	—	—	590,061	—	—	—	—	—	—	—
Poletti (NY).....	—	220,738	58,386	—	—	—	—	366	591	—	258
Vischer Ferry (NY).....	—	—	—	5,490	—	—	—	—	—	—	—
Princeton (City of)	—	4	12	—	—	—	—	*	*	—	1
Princeton (IL).....	—	4	12	—	—	—	—	*	*	—	1
Pub Serv Co of New Hamp	339,741	76,933	24	32,721	—	—	130	147	26	327	265
Amoskeag (NH).....	—	—	—	9,314	—	—	—	—	—	—	—
Ayers Island (NH).....	—	—	—	4,444	—	—	—	—	—	—	—
Canaan (VT).....	—	—	—	451	—	—	—	—	—	—	—
Eastman Falls (NH).....	—	—	—	2,614	—	—	—	—	—	—	—
Garvins Falls (NH).....	—	—	—	4,875	—	—	—	—	—	—	—
Gorham (NH).....	—	—	—	1,047	—	—	—	—	—	—	—
Hooksett (NH).....	—	—	—	902	—	—	—	—	—	—	—
Jackman (NH).....	—	—	—	1,150	—	—	—	—	—	—	—
Lost Nation (NH).....	—	1	—	—	—	—	—	*	—	—	1
Merrimack (NH).....	269,841	5	—	—	—	—	104	*	—	252	2
Newington (NH).....	—	69,373	—	—	—	—	—	133	—	—	257
Schiller (NH).....	69,900	7,568	24	—	—	—	26	14	26	75	3
Smith (NH).....	—	—	—	7,924	—	—	—	—	—	—	—
White Lake (NH).....	—	-14	—	—	—	—	—	—	—	—	1
Pub Serv Co of New Mexico	814,993	1,534	342	—	—	—	488	3	8	658	42
Las Vegas (NM).....	—	-30	—	—	—	—	—	—	—	—	4
Reeves (NM).....	—	—	342	—	—	—	—	—	8	—	—
San Juan (NM).....	814,993	1,564	—	—	—	—	488	3	—	658	39

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Public Serv Elec & Gas Co.	480,910	-2,122	102,140	—	780,631	—	199	7	984	340	712
Bayonne (NJ)	—	-10	—	—	—	—	—	—	—	—	3
Bergen (NJ)	—	—	76,285	—	—	—	—	—	622	—	114
Burlington (NJ)	—	-533	4,097	—	—	—	—	*	46	—	62
Edison (NJ)	—	575	1,804	—	—	—	—	2	26	—	89
Essex (NJ)	—	—	13,656	—	—	—	—	—	182	—	19
Hope Creek (NJ)	—	—	—	—	-9,319	—	—	—	—	—	—
Hudson (NJ)	313,488	—	-2,964	—	—	—	135	—	1	134	149
Kearny (NJ)	—	-605	50	—	—	—	—	*	2	—	62
Linden (NJ)	—	-489	6,778	—	—	—	—	—	81	—	96
Mercer (NJ)	167,422	-66	2,434	—	—	—	64	*	24	206	1
National Park (NJ)	—	-4	—	—	—	—	—	—	—	—	2
Salem (NJ)	—	5	—	—	789,950	—	—	*	—	—	13
Sewaren (NJ)	—	-995	—	—	—	—	—	4	—	—	102
Public Service Co of Colo	1,559,891	-356	18,737	8,143	—	—	849	*	272	998	85
Alamosa (CO)	—	33	130	—	—	—	—	*	3	—	6
Ames (CO)	—	—	—	1,051	—	—	—	—	—	—	—
Arapahoe (CO)	63,625	—	2,874	—	—	—	42	—	39	36	—
Boulder Hydro (CO)	—	—	—	1,514	—	—	—	—	—	—	—
Cabin Creek (CO)	—	—	—	-7,008	—	—	—	—	—	—	—
Cameo (CO)	23,844	—	160	—	—	—	14	—	2	34	*
Cherokee (CO)	442,026	—	1,376	—	—	—	200	—	14	301	—
Comanche (CO)	392,564	—	226	—	—	—	237	—	2	170	1
Fort Lupton (CO)	—	—	273	—	—	—	—	—	3	—	14
Fort St. Vrain (CO)	—	—	11,490	—	—	—	—	—	138	—	—
Fruita (CO)	—	—	18	—	—	—	—	—	1	—	*
Georgetown Hydro (CO)	—	—	—	293	—	—	—	—	—	—	—
Hayden (CO)	317,602	4	1	—	—	—	153	*	*	152	1
Palisade Hydro (CO)	—	—	—	849	—	—	—	—	—	—	—
Pawnee (CO)	320,230	—	584	—	—	—	203	—	6	260	8
Salida No. 1 Hydro (CO)	—	—	—	321	—	—	—	—	—	—	—
Salida No. 2 Hydro (CO)	—	—	—	332	—	—	—	—	—	—	—
Shoshone Hydro (CO)	—	—	—	9,342	—	—	—	—	—	—	—
Tacoma (CO)	—	—	—	1,449	—	—	—	—	—	—	—
Valmont (CO)	—	-393	163	—	—	—	—	—	3	45	9
Zuni (CO)	—	—	1,442	—	—	—	—	—	62	—	45
Public Service Co of Okla	397,784	3	494,894	—	—	—	248	*	4,869	314	103
Comanche (OK)	—	3	148,593	—	—	—	—	*	1,283	—	*
Northeastern (OK)	397,784	—	127,806	—	—	—	248	—	1,344	314	*
Riverside (OK)	—	—	156,808	—	—	—	—	—	1,545	—	53
Southwestern (OK)	—	—	61,687	—	—	—	—	—	698	—	49
Tulsa (OK)	—	—	—	—	—	—	—	*	—	—	*
Weleetka (OK)	—	—	—	—	—	—	—	—	—	—	*
Puget Sound Pwr & Lgt Co	—	85	20,871	119,404	—	—	—	*	166	—	49
Crystal Mountain (WA)	—	22	—	—	—	—	—	*	—	—	1
Electron (WA)	—	—	—	7,175	—	—	—	—	—	—	—
Frederickson (WA)	—	—	973	—	—	—	—	—	13	—	5
Fredonia (WA)	—	—	108	—	—	—	—	—	2	—	21
Lower Baker (WA)	—	—	—	44,671	—	—	—	—	—	—	—
Nooksack (WA)	—	—	—	—	—	—	—	—	—	—	—
Snoqualmie (WA)	—	—	—	21,826	—	—	—	—	—	—	—
South Whidbey (WA)	—	13	—	—	—	—	—	*	—	—	2
Upper Baker (WA)	—	—	—	44,432	—	—	—	—	—	—	—
White River (WA)	—	—	—	1,300	—	—	—	—	—	—	—
Whitehorn (WA)	—	50	19,790	—	—	—	—	*	152	—	21
PECO Energy Co	169,672	52,161	9,815	121,472	2,928,421	—	75	100	113	276	437
Chester (PA)	—	6	—	—	—	—	—	*	—	—	5
Conowingo (MD)	—	—	—	163,495	—	—	—	—	—	—	—
Cromby (PA)	57,978	34,148	1,612	—	—	—	25	59	17	66	36
Croydon (PA)	—	1,240	—	—	—	—	—	4	—	—	57
Delaware (PA)	—	-895	—	—	—	—	—	1	—	—	57
Eddystone (PA)	111,694	17,899	8,203	—	—	—	51	34	95	210	243
Falls (PA)	—	—	—	—	—	—	—	—	—	—	7
Limerick (PA)	—	—	—	—	1,574,687	—	—	—	—	—	—
Moser (PA)	—	75	—	—	—	—	—	*	—	—	5
Muddy Run (PA)	—	—	—	-42,023	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
PECO Energy Co											
Oil Storage (PA).....	—	—	—	—	—	—	—	—	—	—	—
Peach Bottom (PA).....	—	—	—	—	1,353,734	—	—	—	—	—	—
Richmond (PA).....	—	125	—	—	—	—	—	1	—	—	18
Schuylkill (PA).....	—	-463	—	—	—	—	—	—	—	—	5
Southwark (PA).....	—	26	—	—	—	—	—	*	—	—	5
PSI Energy, Inc.	2,788,498	4,251	914	45,778	—	—	1,277	8	9	1,054	37
Cayuga (IN).....	465,556	471	914	—	—	—	215	1	9	193	9
Connersville (IN).....	—	-8	—	—	—	—	—	—	—	—	8
Edwardsport (IN).....	33,673	125	—	—	—	—	20	*	—	45	3
Gallagher, R (IN).....	299,635	1,911	—	—	—	—	123	4	—	72	1
Gibson (IN).....	1,655,661	883	—	—	—	—	750	2	—	611	7
Markland (IN).....	—	—	—	45,778	—	—	—	—	—	—	—
Miami Wabash (IN).....	—	-25	—	—	—	—	—	—	—	—	7
Noblesville (IN).....	28,839	105	—	—	—	—	17	*	—	18	1
Wabash River (IN).....	305,134	789	—	—	—	—	152	1	—	115	2
Redding (City of)	—	—	191	1,799	—	—	—	—	3	—	—
Redding Power (CA).....	—	—	191	—	—	—	—	—	3	—	—
Whiskeytown (CA).....	—	—	—	1,799	—	—	—	—	—	—	—
Richmond (City of)	48,057	26	—	—	—	—	25	*	—	23	1
Whitewater Valley (IN).....	48,057	26	—	—	—	—	25	*	—	23	1
Rochester (City of)	27,496	-19	561	714	—	—	13	*	6	30	2
Cascade Creek (MN).....	—	-19	—	—	—	—	—	*	—	—	2
Rochester (MN).....	—	—	—	714	—	—	—	—	—	—	—
Silver Lake (MN).....	27,496	—	561	—	—	—	13	—	6	30	—
Rochester Gas & Elec Corp	185,727	37	—	22,779	89,719	—	73	*	—	121	3
Ginna (NY).....	—	—	—	—	89,719	—	—	—	—	—	—
Station 160 (NY).....	—	—	—	51	—	—	—	—	—	—	—
Station 170 (NY).....	—	—	—	362	—	—	—	—	—	—	—
Station 172 (NY).....	—	—	—	—	—	—	—	—	—	—	—
Station 2 (NY).....	—	—	—	4,316	—	—	—	—	—	—	—
Station 26 (NY).....	—	—	—	739	—	—	—	—	—	—	—
Station 3 (NY).....	47,615	18	—	—	—	—	18	*	—	1	2
Station 5 (NY).....	—	—	—	17,311	—	—	—	—	—	—	—
Station 7 (NY).....	138,112	19	—	—	—	—	55	*	—	120	1
Station 9 (NY).....	—	—	—	—	—	—	—	—	—	—	—
Rockville Ctr(Village of)	—	80	70	—	—	—	—	*	1	—	2
Rockville (NY).....	—	80	70	—	—	—	—	*	1	—	2
Russell (City of)	—	55	557	—	—	—	—	*	29	—	2
Russell (KS).....	—	55	557	—	—	—	—	*	29	—	2
Ruston (City of)	—	—	17,234	—	—	—	—	—	195	—	—
Ruston (LA).....	—	—	17,234	—	—	—	—	—	195	—	—
Sacramento Mun Util Dist	—	—	28,703	58,935	—	36,609	—	*	299	—	3
Camino (CA).....	—	—	—	14,140	—	—	—	—	—	—	—
Camp Far W (CA).....	—	—	—	-9	—	—	—	—	—	—	—
Carson (CA).....	—	—	28,631	—	—	—	—	—	297	—	—
Coldwater Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Hedge PV (CA).....	—	—	—	—	—	11	—	—	—	—	—
Jaybird (CA).....	—	—	—	22,502	—	—	—	—	—	—	—
Jones Fork (CA).....	—	—	—	390	—	—	—	—	—	—	—
Loon Lake (CA).....	—	—	—	3,334	—	—	—	—	—	—	—
McClellan (CA).....	—	—	72	—	—	—	—	*	—	—	3
Robbs Peak (CA).....	—	—	—	1,088	—	—	—	—	2	—	—
Slab Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Smudgeo (CA).....	—	—	—	—	—	36,420	—	—	—	—	—
Solano (CA).....	—	—	—	—	—	124	—	—	—	—	—
Solar (CA).....	—	—	—	—	—	54	—	—	—	—	—
Union Valley (CA).....	—	—	—	4,452	—	—	—	—	—	—	—
White Rock (CA).....	—	—	—	13,038	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Safe Harbor Water Power Corp	—	—	—	99,277	—	—	—	—	—	—	—
Safe Harbor (PA)	—	—	—	99,277	—	—	—	—	—	—	—
Saint Marys (City of)	4,710	—	—	—	—	—	3	—	—	1	*
Saint Marys (OH)	4,710	—	—	—	—	—	3	—	—	1	*
Salt River Project	1,641,683	2,041	454	20,564	—	—	780	4	25	778	265
Agua Fria (AZ)	—	—	-538	—	—	—	—	—	1	—	57
Coronado (AZ)	229,018	452	—	—	—	—	123	1	—	240	12
Crosscut (AZ)	—	—	—	15	—	—	—	—	—	—	—
Horse Mesa (AZ)	—	—	—	13,217	—	—	—	—	—	—	—
Kyrene (AZ)	—	-5	-308	—	—	—	—	*	1	—	51
Mormon Flat (AZ)	—	—	—	7,309	—	—	—	—	—	—	—
Navajo (AZ)	1,412,665	1,586	—	—	—	—	657	3	—	538	28
Roosevelt (AZ)	—	—	—	23	—	—	—	—	—	—	—
San Tan (AZ)	—	8	1,300	—	—	—	—	*	23	—	93
South Con (AZ)	—	—	—	—	—	—	—	—	—	—	—
Stewart Mtn (AZ)	—	—	—	—	—	—	—	—	—	—	—
Tnk Frn Stg (AZ)	—	—	—	—	—	—	—	—	—	—	23
San Antonio Pub Serv Brd	589,470	714	223,991	—	—	—	353	1	2,314	400	319
Braunig, V H (TX)	—	—	79,604	—	—	—	—	—	845	—	204
Deely, J T (TX)	265,322	675	—	—	—	—	172	1	—	400	115
J K Spruce (TX)	324,148	—	66	—	—	—	181	—	1	—	—
Leon Creek (TX)	—	—	-166	—	—	—	—	—	—	—	—
Mission Road (TX)	—	—	-145	—	—	—	—	—	—	—	—
Sommers, O W (TX)	—	39	144,920	—	—	—	—	*	1,468	—	—
Tuttle, W B (TX)	—	—	-288	—	—	—	—	—	*	—	—
San Diego Gas & Elec Co	—	189	266,382	—	—	—	—	1	2,919	—	598
Division (CA)	—	49	—	—	—	—	—	*	—	—	—
El Cajon (CA)	—	2	65	—	—	—	—	*	1	—	1
Encina (CA)	—	—	153,564	—	—	—	—	—	1,702	—	318
Kearny (CA)	—	18	801	—	—	—	—	*	14	—	36
Leased Strg (CA)	—	—	—	—	—	—	—	—	—	—	1
Miramar (CA)	—	16	218	—	—	—	—	*	4	—	4
Naval Station (CA)	—	10	215	—	—	—	—	*	3	—	11
Naval Training Cntr (CA)	—	—	60	—	—	—	—	—	1	—	1
North Island (CA)	—	58	71	—	—	—	—	*	1	—	3
Silver Gate (CA)	—	—	—	—	—	—	—	—	—	—	—
South Bay (CA)	—	36	111,388	—	—	—	—	*	1,193	—	223
San Miguel Elec Coop Inc	278,524	706	—	—	—	—	310	1	—	180	5
San Miguel (TX)	278,524	706	—	—	—	—	310	1	—	180	5
Santa Clara (City of)	—	—	5,008	7,578	—	—	—	—	76	—	2
Black Butte (CA)	—	—	—	—	—	—	—	—	—	—	—
Cogen Plant (CA)	—	—	4,859	—	—	—	—	—	74	—	—
Gianera (CA)	—	—	149	—	—	—	—	—	2	—	2
Grizzly (CA)	—	—	—	7,578	—	—	—	—	—	—	—
Highline (CA)	—	—	—	—	—	—	—	—	—	—	—
Stony Gorge (CA)	—	—	—	—	—	—	—	—	—	—	—
Savannah Elec & Pwr Co	127,821	1,565	8,333	—	—	—	64	4	104	119	164
Boulevard (GA)	—	72	—	—	—	—	—	*	—	—	9
McIntosh (GA)	52,549	1,493	3,231	—	—	—	26	3	46	85	127
Port Wentworth (GA)	75,272	—	5,102	—	—	—	37	—	58	35	28
Riverside (GA)	—	—	—	—	—	—	—	—	—	—	—
Seattle (City of)	—	—	—	617,240	—	—	—	—	—	—	—
Boundary (WA)	—	—	—	326,462	—	—	—	—	—	—	—
Cedar Falls (WA)	—	—	—	11,846	—	—	—	—	—	—	—
Diablo (WA)	—	—	—	87,571	—	—	—	—	—	—	—
Gorge (WA)	—	—	—	87,048	—	—	—	—	—	—	—
New Halem (WA)	—	—	—	-13	—	—	—	—	—	—	—
Ross Dam (WA)	—	—	—	99,369	—	—	—	—	—	—	—
South Fork Tolt (WA)	—	—	—	4,957	—	—	—	—	—	—	—
Seminole Electric Coop	687,968	3,127	—	—	—	—	284	5	—	503	3
Seminole (FL)	687,968	3,127	—	—	—	—	284	5	—	503	3

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Shelby (City of).....	6,470	1	1	—	—	—	4	*	*	*	*
Shelby (OH).....	6,470	1	1	—	—	—	4	*	*	*	*
Sierra Pacific Power Co.....	341,711	1,093	147,973	3,977	—	—	146	2	1,660	193	161
Battle Mt (NV).....	—	-30	—	—	—	—	—	*	—	—	*
Brunswick (NV).....	—	-20	—	—	—	—	—	*	—	—	*
Elko (NV).....	—	—	—	—	—	—	—	—	—	—	—
Fallon (NV).....	—	-1	—	—	—	—	—	—	—	—	—
Farad (CA).....	—	—	—	-3	—	—	—	—	—	—	—
Fleish (NV).....	—	—	—	1,554	—	—	—	—	—	—	—
Fort Churchill (NV).....	—	—	41,486	—	—	—	—	*	422	—	67
Gabbs (NV).....	—	-10	—	—	—	—	—	*	—	—	1
Kings Beach (CA).....	—	-11	—	—	—	—	—	*	—	—	1
Labontan (NV).....	—	—	—	165	—	—	—	—	—	—	—
North Valmy (NV).....	341,711	630	—	—	—	—	146	1	—	193	3
Portola (CA).....	—	3	—	—	—	—	—	*	—	—	*
Tracy (NV).....	—	555	106,514	—	—	—	—	1	1,238	—	88
Valley Road (NV).....	—	-23	—	—	—	—	—	*	—	—	*
Verdi (NV).....	—	—	—	1,101	—	—	—	—	—	—	—
Washoe (NV).....	—	—	—	1,161	—	—	—	—	—	—	—
Winnemucca (NV).....	—	—	-27	—	—	—	—	—	*	—	*
26 Foot Drop (NV).....	—	—	—	-1	—	—	—	—	—	—	—
Sikeston (City of).....	169,089	42	—	—	—	—	76	*	—	90	2
Coleman, E. P. (MO).....	—	—	—	—	—	—	—	—	—	—	*
Sikeston (MO).....	169,089	42	—	—	—	—	76	*	—	90	1
So Carolina Elec & Gas Co.....	1,221,332	1,945	1,313	20,629	449,422	—	469	3	20	617	66
Burton (SC).....	—	—	—	—	—	—	—	—	—	—	2
Canadys (SC).....	—	—	—	—	—	—	—	—	—	98	6
Coit (SC).....	—	—	—	—	—	—	—	—	—	—	5
Columbia Hydro (SC).....	—	—	—	3,862	—	—	—	—	—	—	—
Cope (SC).....	263,205	4	—	—	—	—	100	*	—	62	4
Faber Place (SC).....	—	—	—	—	—	—	—	—	—	—	—
Fairfield County (SC).....	—	—	—	-18,588	—	—	—	—	—	—	—
Hagood (SC).....	—	—	1,199	—	—	—	—	—	18	—	13
Hardeeville (SC).....	—	—	—	—	—	—	—	—	—	—	1
Mcmeekin (SC).....	74,486	264	—	—	—	—	28	*	—	76	3
Neal Shoals (SC).....	—	—	—	2,081	—	—	—	—	—	—	—
Parr (SC).....	—	—	—	—	—	—	—	—	—	—	9
Parr Hydro (SC).....	—	—	—	6,400	—	—	—	—	—	—	—
Saluda Hydro (SC).....	—	—	—	20,974	—	—	—	—	—	—	—
Stevens Creek Hydro (GA).....	—	—	—	5,900	—	—	—	—	—	—	—
Urquhart (SC).....	107,334	134	114	—	—	—	45	*	1	42	4
V. C. Summer (SC).....	—	—	—	—	449,422	—	—	—	—	—	—
Wateree (SC).....	415,587	1,491	—	—	—	—	161	3	—	238	7
Williams (SC).....	360,720	52	—	—	—	—	135	*	—	99	13
So Carolina Pub Serv Auth.....	1,310,874	6,592	—	50,890	—	—	513	14	—	1,173	107
Cross (SC).....	618,397	398	—	—	—	—	235	1	—	480	5
Grainger, Dolphus M (SC).....	86,958	28	—	—	—	—	34	*	—	39	*
Hilton Head (SC).....	—	381	—	—	—	—	—	2	—	—	23
Jefferies (SC).....	139,184	4,908	—	15,373	—	—	57	9	—	156	47
Myrtle Beach (SC).....	—	246	—	—	—	—	—	1	—	—	25
Spillway (SC).....	—	—	—	1,320	—	—	—	—	—	—	—
St Stephens (SC).....	—	—	—	34,197	—	—	—	—	—	—	—
Winyah (SC).....	466,335	631	—	—	—	—	187	1	—	498	6
South Miss Elec Pwr Assoc.....	120,953	290	26,003	—	—	—	52	1	304	297	6
Benndale (MS).....	—	—	—	—	—	—	—	—	—	—	—
Morrow (MS).....	120,953	290	—	—	—	—	52	1	—	297	2
Moselle (MS).....	—	—	26,003	—	—	—	—	—	304	—	3
Paulding (MS).....	—	—	—	—	—	—	—	—	—	—	1
South Texas Elec Coop Inc.....	—	—	-94	—	—	—	—	*	—	—	18
Sam Rayburn (TX).....	—	—	-94	—	—	—	—	*	—	—	18
Southern Calif Edison Co.....	972,743	2,207	660,560	244,313	1,574,967	—	441	4	6,775	422	2,805
Alamitos (CA).....	—	—	307,287	—	—	—	—	—	3,092	—	666
Baker Dam (CA).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Southern Calif Edison Co											
Big Creek 1 (CA)	—	—	—	27,296	—	—	—	—	—	—	—
Big Creek 2 (CA)	—	—	—	33,151	—	—	—	—	—	—	—
Big Creek 2a (CA)	—	—	—	35,546	—	—	—	—	—	—	—
Big Creek 3 (CA)	—	—	—	39,015	—	—	—	—	—	—	—
Big Creek 4 (CA)	—	—	—	20,218	—	—	—	—	—	—	—
Big Creek 8 (CA)	—	—	—	19,931	—	—	—	—	—	—	—
Bishop Creek 2 (CA)	—	—	—	3,375	—	—	—	—	—	—	—
Bishop Creek 3 (CA)	—	—	—	2,938	—	—	—	—	—	—	—
Bishop Creek 4 (CA)	—	—	—	4,058	—	—	—	—	—	—	—
Bishop Creek 5 (CA)	—	—	—	1,409	—	—	—	—	—	—	—
Bishop Creek 6 (CA)	—	—	—	1,117	—	—	—	—	—	—	—
Borel (CA)	—	—	—	-2	—	—	—	—	—	—	—
Cool Water (CA)	—	—	20,809	—	—	—	—	—	228	—	357
Dominguez Hills (CA)	—	—	—	—	—	—	—	—	—	—	575
Eastwood (CA)	—	—	—	2,776	—	—	—	—	—	—	—
El Segundo (CA)	—	—	93,389	—	—	—	—	—	926	—	30
Ellwood (CA)	—	—	-6	—	—	—	—	—	*	—	—
Etiwanda (CA)	—	—	48,140	—	—	—	—	—	579	—	290
Fontana (CA)	—	—	—	370	—	—	—	—	—	—	—
Highgrove (CA)	—	—	-145	—	—	—	—	—	—	—	—
Huntington Beach (CA)	—	—	37,468	—	—	—	—	—	424	—	20
Kaweah 1 (CA)	—	—	—	899	—	—	—	—	—	—	—
Kaweah 2 (CA)	—	—	—	624	—	—	—	—	—	—	—
Kaweah 3 (CA)	—	—	—	1,296	—	—	—	—	—	—	—
Kern River 1 (CA)	—	—	—	11,082	—	—	—	—	—	—	—
Kern River 3 (CA)	—	—	—	10,055	—	—	—	—	—	—	—
Long Beach (CA)	—	—	4,359	—	—	—	—	—	63	—	110
Lundy (CA)	—	—	—	358	—	—	—	—	—	—	—
Lytle Creek (CA)	—	—	—	192	—	—	—	—	—	—	—
Mammoth Pool (CA)	—	—	—	18,726	—	—	—	—	—	—	—
Mandalay (CA)	—	110	30,728	—	—	—	—	*	292	—	240
Mill Creek 1 (CA)	—	—	—	20	—	—	—	—	—	—	—
Mill Creek 2&3 (CA)	—	—	—	—	—	—	—	—	—	—	—
Mill Creek 3 (CA)	—	—	—	436	—	—	—	—	—	—	—
Mohave (NV)	972,743	—	427	—	—	—	441	—	4	422	—
Ontario 1 (CA)	—	—	—	200	—	—	—	—	—	—	—
Ontario 2 (CA)	—	—	—	87	—	—	—	—	—	—	—
Ormond Beach (CA)	—	—	24,723	—	—	—	—	—	259	—	423
Pebbly Beach (CA)	—	2,097	—	—	—	—	—	4	—	—	5
Poole (CA)	—	—	—	1,169	—	—	—	—	—	—	—
Portal (CA)	—	—	—	3,011	—	—	—	—	—	—	—
Redondo Beach (CA)	—	—	93,462	—	—	—	—	—	906	—	75
Rush Creek (CA)	—	—	—	3,949	—	—	—	—	—	—	—
San Bernardino (CA)	—	—	-81	—	—	—	—	—	1	—	15
San Geronio (CA)	—	—	—	114	—	—	—	—	—	—	—
San Geronio (CA)	—	—	—	—	—	1,574,967	—	—	—	—	—
San Onofre (CA)	—	—	—	—	—	—	—	—	—	—	—
Santa Ana 1 (CA)	—	—	—	460	—	—	—	—	—	—	—
Santa Ana 2 (CA)	—	—	—	279	—	—	—	—	—	—	—
Santa Ana 3 (CA)	—	—	—	65	—	—	—	—	—	—	—
Sierra (CA)	—	—	—	93	—	—	—	—	—	—	—
Tule River (CA)	—	—	—	—	—	—	—	—	—	—	—
Southern Ill Pwr Coop											
Marion (IL)	144,978	793	—	—	—	—	79	1	—	445	2
Marion (IL)	144,978	793	—	—	—	—	79	1	—	445	2
Southern Indiana G & E Co											
A. B. Brown (IN)	453,569	—	4,179	—	—	—	212	—	50	459	7
Broadway (IN)	283,873	—	3,138	—	—	—	129	—	32	184	3
Culley (IN)	—	—	929	—	—	—	—	—	14	—	4
Northeast (IN)	77,880	—	103	—	—	—	41	—	1	145	—
Warrick (IN)	91,816	—	9	—	—	—	41	—	3	129	—
Southwestern Elec Pwr Co											
Arsenal Hill (LA)	1,503,240	183	163,491	—	—	—	1,037	2	1,685	1,102	101
Flint Creek (AR)	—	—	1,097	—	—	—	—	—	13	—	—
Knox Lee (TX)	341,593	88	—	—	—	—	225	*	—	260	7
Lieberman (LA)	—	—	78,019	—	—	—	—	—	788	—	42
Lone Star (TX)	—	—	—	—	—	—	—	—	*	—	20
Lone Star (TX)	—	—	—	—	—	—	—	—	—	—	3

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Southwestern Elec Pwr Co											
Pirkey (TX)	413,004	—	1,368	—	—	—	343	—	14	281	—
Welsh (TX)	748,643	94	—	—	—	—	468	2	—	561	14
Wilkes (TX)	—	1	83,007	—	—	—	—	*	870	—	15
Southwestern Pub Serv Co	1,356,806	14	382,512	—	—	—	773	*	4,214	1,162	87
Carlsbad (NM)	—	—	—	—	—	—	—	—	2	—	—
Cunningham (NM)	—	—	99,095	—	—	—	—	—	1,228	—	—
Harrington (TX)	683,906	—	1,272	—	—	—	391	—	13	553	—
Jones (TX)	—	—	116,601	—	—	—	—	—	1,447	—	56
Maddox (NM)	—	—	27,440	—	—	—	—	—	151	—	—
Moore County (TX)	—	—	—88	—	—	—	—	—	—	—	—
Nichols (TX)	—	—	103,776	—	—	—	—	—	1,052	—	—
Plant X (TX)	—	—	31,603	—	—	—	—	—	293	—	31
Riverview (TX)	—	—	—	—	—	—	—	—	1	—	—
Tolk Station (TX)	672,900	—	2,813	—	—	—	382	—	27	609	—
Tucumcari (NM)	—	14	—	—	—	—	—	*	—	—	*
Soyland Power Coop Inc	13,361	14	—	—	—	—	8	*	—	4	3
Pearl Station (IL)	13,361	102	—	—	—	—	8	*	—	4	3
Pittsfield (IL)	—	—88	—	—	—	—	—	—	—	—	*
Springfield (City of)	174,130	260	—	—	—	—	96	1	—	79	7
Dallman (IL)	149,987	223	—	—	—	—	81	*	—	75	—
Factory (IL)	—	—	—	—	—	—	—	—	—	—	3
Lakeside (IL)	24,143	37	—	—	—	—	15	*	—	4	2
Reynolds (IL)	—	—	—	—	—	—	—	—	—	—	2
Springfield (City of)	151,744	—	6,627	—	—	—	93	—	75	166	7
James River (MO)	127,564	—	487	—	—	—	77	—	5	59	4
Main Street (MO)	—	—	—	—	—	—	—	—	—	—	*
Southwest (MO)	24,180	—	6,140	—	—	—	16	—	70	106	3
St Joseph Lgt & Pwr Co	54,500	624	133	—	—	—	29	2	7	89	43
Lake Road (MO)	54,500	624	133	—	—	—	29	2	7	89	43
Sunflower Elec Coop	1,985	—	832	—	—	—	3	—	24	141	—
Garden City (KS)	—	—	87	—	—	—	—	—	5	—	—
Holcomb (KS)	1,985	—	745	—	—	—	3	—	19	141	—
Superior Wtr Lt Pwr Co	—	—	—	—	—	—	—	—	—	—	—
Winslow (WI)	—	—	—	—	—	—	—	—	—	—	—
Systems Energy Resources											
Inc	—	—	—	—	899,549	—	—	—	—	—	—
Grand Gulf (MS)	—	—	—	—	899,549	—	—	—	—	—	—
Tacoma (City of)	62	—	—	432,250	—	6,172	1	—	*	4	—
Alder (WA)	—	—	—	26,028	—	—	—	—	—	—	—
Cushman 1 (WA)	—	—	—	22,887	—	—	—	—	—	—	—
Cushman 2 (WA)	—	—	—	44,499	—	—	—	—	—	—	—
La Grande (WA)	—	—	—	39,042	—	—	—	—	—	—	—
Mayfield (WA)	—	—	—	108,178	—	—	—	—	—	—	—
Mossyrock (WA)	—	—	—	186,184	—	—	—	—	—	—	—
Steam Plant 2 (WA)	62	—	—	—	—	6,172	1	—	*	4	—
Wynoochee (WA)	—	—	—	5,432	—	—	—	—	—	—	—
Tallahassee (City of)	—	—	97,902	4,594	—	—	—	—	1,078	—	230
Hopkins, Arvah B (FL)	—	—	76,633	—	—	—	—	—	793	—	176
Jackson Bluff (FL)	—	—	—	4,594	—	—	—	—	—	—	—
Purdom, S O (FL)	—	—	21,269	—	—	—	—	—	284	—	54
Tampa Electric Co	1,356,709	3,734	—	—	—	—	618	8	—	1,564	179
Big Bend (FL)	961,405	2,007	—	—	—	—	439	3	—	217	39
Coal Storage (FL)	—	—	—	—	—	—	—	—	—	1,272	—
Gannon, F J (FL)	395,304	2,289	—	—	—	—	179	5	—	74	*
Hookers Point (FL)	—	—369	—	—	—	—	—	—	—	—	130
S Dinner Lk (FL)	—	—	—	—	—	—	—	—	—	—	—
S Phillips (FL)	—	—193	—	—	—	—	—	—	—	—	10

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
Taunton (City of)	—	1,047	1,722	—	—	—	—	2	24	—	28
Cleary, B F (MA)	—	1,047	1,722	—	—	—	—	2	24	—	28
Tennessee Valley Auth.	8,674,908	7,573	—	774,651	4,186,095	—	3,077	61	—	3,295	509
Allen (TN)	470,214	91	—	—	—	—	112	3	—	156	119
Apalachia (TN)	—	—	—	43,777	—	—	—	—	—	—	—
Blue Ridge (GA)	—	—	—	2,319	—	—	—	—	—	—	—
Boone (TN)	—	—	—	7,535	—	—	—	—	—	—	—
Browns Ferry (AL)	—	—	—	—	1,610,315	—	—	—	—	—	—
Bull Run (TN)	522,506	10	—	—	—	—	198	*	—	181	12
Chatuge (NC)	—	—	—	1,927	—	—	—	—	—	—	—
Cherokee (TN)	—	—	—	11,480	—	—	—	—	—	—	—
Chickamauga (TN)	—	—	—	44,268	—	—	—	—	—	—	—
Colbert (AL)	544,020	1,012	—	—	—	—	196	9	—	298	151
Cumberland (TN)	1,769,461	430	—	—	—	—	708	1	—	517	8
Douglas (TN)	—	—	—	11,593	—	—	—	—	—	—	—
Fontana (NC)	—	—	—	54,792	—	—	—	—	—	—	—
Fort Loudoun (TN)	—	—	—	41,954	—	—	—	—	—	—	—
Fort Patrick Henry (TN)	—	—	—	5,990	—	—	—	—	—	—	—
Gallatin (TN)	643,707	948	—	—	—	—	241	7	—	138	65
Great Falls (TN)	—	—	—	13,433	—	—	—	—	—	—	—
Guntersville (AL)	—	—	—	51,125	—	—	—	—	—	—	—
Hiwassee (NC)	—	—	—	19,364	—	—	—	—	—	—	—
Johnsonville (TN)	583,453	1,057	—	—	—	—	212	34	—	253	145
Kentucky (KY)	—	—	—	80,883	—	—	—	—	—	—	—
Kingston (TN)	927,760	485	—	—	—	—	336	1	—	179	2
Melton Hill (TN)	—	—	—	5,964	—	—	—	—	—	—	—
Nickajack (TN)	—	—	—	40,636	—	—	—	—	—	—	—
Norris (TN)	—	—	—	15,165	—	—	—	—	—	—	—
Nottely (GA)	—	—	—	2,124	—	—	—	—	—	—	—
Ocoee 1 (TN)	—	—	—	5,380	—	—	—	—	—	—	—
Ocoee 2 (TN)	—	—	—	11,692	—	—	—	—	—	—	—
Ocoee 3 (TN)	—	—	—	14,440	—	—	—	—	—	—	—
Paradise (KY)	1,432,200	230	—	—	—	—	511	*	—	655	1
Pickwick (TN)	—	—	—	97,459	—	—	—	—	—	—	—
Raccoon Mountain (TN)	—	—	—	48,536	—	—	—	—	—	—	—
Sequoyah (TN)	—	—	—	—	1,714,872	—	—	—	—	—	—
Sevier, John (TN)	472,768	510	—	—	—	—	145	1	—	251	1
Shawnee (KY)	682,204	1,100	—	—	—	—	211	2	—	298	2
South Holston (TN)	—	—	—	4,996	—	—	—	—	—	—	—
Tims Ford (TN)	—	—	—	4,007	—	—	—	—	—	—	—
Watauga (TN)	—	—	—	4,379	—	—	—	—	—	—	—
Watts Bar (TN)	-505	—	—	—	860,908	—	—	—	—	—	—
Watts Bar (TN)	—	—	—	48,016	—	—	—	—	—	—	—
Wheeler (AL)	—	—	—	80,240	—	—	—	—	—	—	—
Widows Creek (AL)	627,120	1,700	—	—	—	—	205	3	—	370	3
Wilbur (TN)	—	—	—	790	—	—	—	—	—	—	—
Wilson (AL)	—	—	—	97,459	—	—	—	—	—	—	—
Terrebonne Parish Consol											
Govt	—	-24	3,435	—	—	—	—	—	52	—	1
Houma (LA)	—	-24	3,435	—	—	—	—	—	52	—	1
Texas Mun Power Agency	270,991	37	785	—	—	—	157	*	8	106	7
Gibbons Creek (TX)	270,991	37	785	—	—	—	157	*	8	106	7
Texas Utilities Elec Co.	3,047,325	8,884	2,554,189	—	792,997	—	2,500	16	25,733	2,072	2,263
Big Brown (TX)	338,197	—	8,685	—	—	—	283	—	96	203	—
Collin (TX)	—	—	-376	—	—	—	—	—	49	—	53
Comanche Peak (TX)	—	—	—	—	792,997	—	—	—	—	—	—
Dallas (TX)	—	—	-274	—	—	—	—	—	—	—	4
De Cordova (TX)	—	—	366,377	—	—	—	—	—	3,424	—	232
Eagle Mountain (TX)	—	—	29,534	—	—	—	—	—	306	—	70
Graham (TX)	—	—	79,405	—	—	—	—	—	777	—	124
Handley (TX)	—	—	257,444	—	—	—	—	—	2,687	—	260
Lake Creek (TX)	—	—	62,334	—	—	—	—	—	605	—	93
Lake Hubbard (TX)	—	2,264	224,836	—	—	—	—	4	2,340	—	164
Martin Lake (TX)	1,235,267	1,723	—	—	—	—	998	3	—	485	20
Monticello (TX)	1,086,349	3,474	—	—	—	—	901	6	—	233	16
Morgan Creek (TX)	—	—	104,826	—	—	—	—	—	1,215	—	238

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Texas Utilities Elec Co											
Mountain Creek (TX).....	—	—	233,464	—	—	—	—	—	2,328	—	156
North Lake (TX).....	—	826	90,089	—	—	—	—	2	951	—	129
North Main (TX).....	—	—	-84	—	—	—	—	—	—	—	—
Parkdale (TX).....	—	—	19,663	—	—	—	—	—	197	—	4
Permian Basin (TX).....	—	—	271,703	—	—	—	—	—	2,733	—	217
River Crest (TX).....	—	—	-42	—	—	—	—	—	—	—	3
Sandow (TX).....	387,512	29	—	—	—	—	319	*	—	1,151	—
Stryker Creek (TX).....	—	9	223,930	—	—	—	—	*	2,131	—	94
Tradinghouse Creek (TX).....	—	—	273,242	—	—	—	—	—	2,798	—	154
Trinidad (TX).....	—	—	5,126	—	—	—	—	—	67	—	41
Valley (TX).....	—	559	304,307	—	—	—	—	1	3,029	—	192
Texas-New Mexico Power Co	161,203	—	220	—	—	—	132	—	2	28	—
Lordsburg (NM).....	—	—	—	—	—	—	—	—	—	—	—
TNP One (TX).....	161,203	—	220	—	—	—	132	—	2	28	—
Toledo Edison Co (The)	304,285	408	—	—	637,473	—	145	1	—	96	3
Acme (OH).....	—	—	—	—	—	—	—	—	—	—	—
Bay Shore (OH).....	304,285	408	—	—	—	—	145	1	—	96	1
Davis-Besse (OH).....	—	—	—	—	637,473	—	—	—	—	—	—
Richland (OH).....	—	—	—	—	—	—	—	—	—	—	2
Stryker (OH).....	—	—	—	—	—	—	—	—	—	—	*
Traverse (City of)	—	—	—	1,113	—	—	—	—	—	12	—
Bayside (MI).....	—	—	—	—	—	—	—	—	—	12	—
Boardman (MI).....	—	—	—	463	—	—	—	—	—	—	—
Brown Bridge (MI).....	—	—	—	293	—	—	—	—	—	—	—
Elk Rapids (MI).....	—	—	—	115	—	—	—	—	—	—	—
Sabin (MI).....	—	—	—	242	—	—	—	—	—	—	—
Tri-state G & T Assn Inc	850,565	111	395	—	—	—	429	*	4	1,227	20
Burlington (CO).....	—	1	—	—	—	—	—	*	—	—	17
Craig (CO).....	792,264	—	395	—	—	—	398	—	4	1,196	2
Nucla (CO).....	58,301	110	—	—	—	—	31	*	—	31	1
Tucson Electric Power Co	524,499	128	5,981	—	—	—	286	*	94	377	18
De Moss Petrie (AZ).....	—	—	83	—	—	—	—	—	1	—	4
Irrington (AZ).....	22,077	—	5,898	—	—	—	11	—	93	68	5
North Loop (AZ).....	—	—	—	—	—	—	—	—	—	—	7
Springerville (AZ).....	502,422	128	—	—	—	—	275	*	—	309	3
Turlock Irrigation Dist	—	—	13,820	8,318	—	—	—	—	132	—	3
Almond (CA).....	—	—	13,852	—	—	—	—	—	132	—	—
Hickman (CA).....	—	—	—	-3	—	—	—	—	—	—	—
Lagrange (CA).....	—	—	—	418	—	—	—	—	—	—	—
New Don Pedro (CA).....	—	—	—	7,909	—	—	—	—	—	—	—
Turlock Lake (CA).....	—	—	—	-4	—	—	—	—	—	—	—
Uppr Dawson (CA).....	—	—	—	-2	—	—	—	—	—	—	—
Walnut (CA).....	—	—	-32	—	—	—	—	—	—	—	3
Union Electric Co	1,872,781	4,168	5,690	52,366	582,614	3,457	1,064	8	88	1,809	74
Callaway (MO).....	—	—	—	—	582,614	—	—	—	—	—	—
Canton (MO).....	—	—	—	—	—	—	—	—	—	—	—
Howard Bend (MO).....	—	116	—	—	—	—	—	*	—	—	3
Jefferson City (MO).....	—	-32	—	—	—	—	—	*	—	—	4
Keokuk (IA).....	—	—	—	62,480	—	—	—	—	—	—	—
Kirksville (MO).....	—	—	-12	—	—	—	—	—	—	—	—
Labadie (MO).....	869,956	3,488	—	—	—	—	509	6	—	768	17
Meramec (MO).....	247,447	-32	6,798	—	—	—	119	—	73	142	5
Mexico (MO).....	—	11	—	—	—	—	—	*	—	—	3
Moberly (MO).....	—	9	—	—	—	—	—	*	—	—	3
Moreau (MO).....	—	-29	—	—	—	—	—	*	—	—	3
Osage (MO).....	—	—	—	1,441	—	—	—	—	—	—	—
Portable (MO).....	—	—	—	—	—	—	—	—	—	—	—
Rush Island (MO).....	371,122	102	—	—	—	—	226	*	—	395	5
Sioux (MO).....	384,256	589	—	—	—	3,457	209	1	—	504	1
Taum Sauk (MO).....	—	—	—	-11,555	—	—	—	—	—	—	—
Venice No. 2 (IL).....	—	-54	-1,055	—	—	—	—	*	15	—	32
Viaduct (MO).....	—	—	-41	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
United Gas Imp Co (The).....	28,571	42	—	—	—	—	20	*	—	16	*
Hunlock Creek (PA).....	28,571	42	—	—	—	—	20	*	—	16	*
United Illuminating Co.....	213,560	239,821	—	—	—	—	84	372	—	95	586
Bridgeport Harbor (CT).....	213,560	26,654	—	—	—	—	84	43	—	95	134
English (CT).....	—	—	—	—	—	—	—	—	—	—	—
New Haven Harbor (CT).....	—	213,167	—	—	—	—	—	329	—	—	452
United Power Assn.....	97,770	487	359	—	—	16,237	82	1	7	96	7
Cambridge (MN).....	—	51	—	—	—	—	—	*	—	—	2
Elk River (MN).....	—	—	359	—	—	16,237	—	—	7	—	1
Maple Lake (MN).....	—	62	—	—	—	—	—	*	—	—	2
Rock Lake (MN).....	—	187	—	—	—	—	—	*	—	—	1
Stanton (ND).....	97,770	187	—	—	—	—	82	*	—	96	1
Utilicorp United Inc.....	228,361	737	2,784	—	—	—	118	1	41	137	51
Green, Ralph (MO).....	—	—	-68	—	—	—	—	—	—	—	—
Greenwood (MO).....	—	195	2,883	—	—	—	—	*	41	—	47
Kci (MO).....	—	—	-31	—	—	—	—	—	—	—	—
Nevada (MO).....	—	-11	—	—	—	—	—	—	—	—	4
Sibley (MO).....	228,361	553	—	—	—	—	118	1	—	137	1
UtiliCorp United Inc.....	20,829	-67	61,275	—	—	—	12	*	790	14	8
Cimarron River (KS).....	—	—	-745	—	—	—	—	—	73	—	—
Clark, W N (CO).....	20,829	—	—	—	—	—	12	—	—	14	—
Clifton (KS).....	—	—	293	—	—	—	—	—	6	—	—
Judson Large (KS).....	—	—	44,950	—	—	—	—	—	515	—	2
Mullergren, Arthur (KS).....	—	—	16,177	—	—	—	—	—	181	—	1
Pueblo (CO).....	—	-31	600	—	—	—	—	*	15	—	4
Rocky Ford (CO).....	—	-36	—	—	—	—	—	*	—	—	1
USBR-Great Plains Region.....	—	—	—	176,897	—	—	—	—	—	—	—
Alcova (WY).....	—	—	—	3,963	—	—	—	—	—	—	—
Big Thompson (CO).....	—	—	—	-15	—	—	—	—	—	—	—
Boysen (WY).....	—	—	—	-122	—	—	—	—	—	—	—
Buffalo Bill (WY).....	—	—	—	3,908	—	—	—	—	—	—	—
Canyon Ferry (MT).....	—	—	—	34,903	—	—	—	—	—	—	—
Estes (CO).....	—	—	—	6,333	—	—	—	—	—	—	—
Flatiron (CO).....	—	—	—	12,504	—	—	—	—	—	—	—
Fremont Canyon (WY).....	—	—	—	10,153	—	—	—	—	—	—	—
Glendo (WY).....	—	—	—	-95	—	—	—	—	—	—	—
Green Mountain (CO).....	—	—	—	1,664	—	—	—	—	—	—	—
Guernsey (WY).....	—	—	—	-35	—	—	—	—	—	—	—
Heart Mountain (WY).....	—	—	—	-28	—	—	—	—	—	—	—
Kortes (WY).....	—	—	—	8,436	—	—	—	—	—	—	—
Marys Lake (CO).....	—	—	—	2,499	—	—	—	—	—	—	—
Mount Elbert (CO).....	—	—	—	-5,720	—	—	—	—	—	—	—
Pilot Butte (WY).....	—	—	—	-5	—	—	—	—	—	—	—
Pole Hill (CO).....	—	—	—	10,788	—	—	—	—	—	—	—
Seminole (WY).....	—	—	—	8,603	—	—	—	—	—	—	—
Shoshone (WY).....	—	—	—	2,038	—	—	—	—	—	—	—
Spirit Mountain (WY).....	—	—	—	-17	—	—	—	—	—	—	—
Yellowtail (MT).....	—	—	—	77,142	—	—	—	—	—	—	—
USBR-Lower Colorado Region.....	—	—	—	425,522	—	—	—	—	—	—	—
Davis (AZ).....	—	—	—	80,006	—	—	—	—	—	—	—
Hoover (AZ).....	—	—	—	172,274	—	—	—	—	—	—	—
Hoover (NV).....	—	—	—	146,013	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	27,229	—	—	—	—	—	—	—
USBR-Mid Pacific Region.....	—	—	—	154,750	—	—	—	—	—	—	—
Folsom (CA).....	—	—	—	34,883	—	—	—	—	—	—	—
Judge F Carr (CA).....	—	—	—	6,573	—	—	—	—	—	—	—
Keswick (CA).....	—	—	—	22,121	—	—	—	—	—	—	—
Lewiston (CA).....	—	—	—	266	—	—	—	—	—	—	—
New Melones (CA).....	—	—	—	-92	—	—	—	—	—	—	—
Nimbus (CA).....	—	—	—	4,441	—	—	—	—	—	—	—
O'Neill (CA).....	—	—	—	—	—	—	—	—	—	—	—
Shasta (CA).....	—	—	—	56,550	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USBR-Mid Pacific Region											
Spring Creek (CA).....	—	—	—	19,958	—	—	—	—	—	—	—
Stampede (CA).....	—	—	—	214	—	—	—	—	—	—	—
Trinity (CA).....	—	—	—	9,836	—	—	—	—	—	—	—
USBR-Pacific NW Region				1,807,336							
Anderson Ranch (ID).....	—	—	—	3,774	—	—	—	—	—	—	—
Black Canyon (ID).....	—	—	—	4,497	—	—	—	—	—	—	—
Boise River Div (ID).....	—	—	—	—	—	—	—	—	—	—	—
Chandler (WA).....	—	—	—	8,399	—	—	—	—	—	—	—
Grand Coulee (WA).....	—	—	—	1,688,142	—	—	—	—	—	—	—
Green Springs (OR).....	—	—	—	4,833	—	—	—	—	—	—	—
Hungry Horse (MT).....	—	—	—	50,922	—	—	—	—	—	—	—
Minidoka (ID).....	—	—	—	5,905	—	—	—	—	—	—	—
Palisades (ID).....	—	—	—	38,381	—	—	—	—	—	—	—
Roza (WA).....	—	—	—	2,483	—	—	—	—	—	—	—
USBR-Upper Colorado Region				749,747							
Blue Mesa (CO).....	—	—	—	28,165	—	—	—	—	—	—	—
Crystal (CO).....	—	—	—	19,316	—	—	—	—	—	—	—
Deer Creek (UT).....	—	—	—	584	—	—	—	—	—	—	—
Elephant Butte (NM).....	—	—	—	—	—	—	—	—	—	—	—
Flaming Gorge (UT).....	—	—	—	75,158	—	—	—	—	—	—	—
Fontenelle (WY).....	—	—	—	5,104	—	—	—	—	—	—	—
Glen Canyon (AZ).....	—	—	—	594,226	—	—	—	—	—	—	—
Lower Molina (CO).....	—	—	—	1,593	—	—	—	—	—	—	—
McPhee (CO).....	—	—	—	18	—	—	—	—	—	—	—
Morrow Point (CO).....	—	—	—	22,945	—	—	—	—	—	—	—
Towaoc (CO).....	—	—	—	—	—	—	—	—	—	—	—
Upper Molina (CO).....	—	—	—	2,638	—	—	—	—	—	—	—
USCE-Fort Worth District				11,211							
R D Willis (TX).....	—	—	—	3,396	—	—	—	—	—	—	—
Sam Rayburn (TX).....	—	—	—	5,639	—	—	—	—	—	—	—
Whitney (TX).....	—	—	—	2,176	—	—	—	—	—	—	—
USCE-Hartwell Power Plant				28,632							
Hartwell (GA).....	—	—	—	28,632	—	—	—	—	—	—	—
USCE-J Strom Thur Pwr Plt				36,158							
J Strom Thurmond (SC).....	—	—	—	36,158	—	—	—	—	—	—	—
USCE-Kansas City Dist				1,753							
Harry S Truman (MO).....	—	—	—	1,158	—	—	—	—	—	—	—
Stockton (MO).....	—	—	—	595	—	—	—	—	—	—	—
USCE-Little Rock				76,113							
Beaver (AR).....	—	—	—	1,261	—	—	—	—	—	—	—
Bull Shoals (AR).....	—	—	—	17,681	—	—	—	—	—	—	—
Dardanelle (AR).....	—	—	—	23,870	—	—	—	—	—	—	—
Greers Ferry (AR).....	—	—	—	342	—	—	—	—	—	—	—
Norfolk (AR).....	—	—	—	2,469	—	—	—	—	—	—	—
Ozark (AR).....	—	—	—	17,240	—	—	—	—	—	—	—
Table Rock (MO).....	—	—	—	13,250	—	—	—	—	—	—	—
USCE-Missouri River District				1,421,281							
Big Bend (SD).....	—	—	—	196,863	—	—	—	—	—	—	—
Fort Peck (MT).....	—	—	—	145,789	—	—	—	—	—	—	—
Fort Randall (SD).....	—	—	—	205,543	—	—	—	—	—	—	—
Garrison (ND).....	—	—	—	315,072	—	—	—	—	—	—	—
Gavins Point (NE).....	—	—	—	70,080	—	—	—	—	—	—	—
Oahe (SD).....	—	—	—	487,934	—	—	—	—	—	—	—
USCE-Mobile District				217,021							
Allatoona (GA).....	—	—	—	28,654	—	—	—	—	—	—	—
Buford (GA).....	—	—	—	9,466	—	—	—	—	—	—	—
Carters (GA).....	—	—	—	23,559	—	—	—	—	—	—	—
J Woodruff (FL).....	—	—	—	19,087	—	—	—	—	—	—	—
Jones Bluff (AL).....	—	—	—	39,872	—	—	—	—	—	—	—
Millers Ferry (AL).....	—	—	—	36,936	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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											
Walter F George (GA).....	—	—	—	40,673	—	—	—	—	—	—	—
West Point (GA).....	—	—	—	18,774	—	—	—	—	—	—	—
USCE-Nashville				160,033							
Barkley (KY).....	—	—	—	68,612	—	—	—	—	—	—	—
Center Hill (TN).....	—	—	—	15,846	—	—	—	—	—	—	—
Cheatham (TN).....	—	—	—	11,371	—	—	—	—	—	—	—
Cordell Hull (TN).....	—	—	—	12,427	—	—	—	—	—	—	—
Dale Hollow (TN).....	—	—	—	3,508	—	—	—	—	—	—	—
J Percy Priest (TN).....	—	—	—	5,115	—	—	—	—	—	—	—
Laurel (KY).....	—	—	—	2,113	—	—	—	—	—	—	—
Old Hickory (TN).....	—	—	—	19,926	—	—	—	—	—	—	—
Wolf Creek (KY).....	—	—	—	21,115	—	—	—	—	—	—	—
USCE-North Pacific Div				4,343,763							
Albeni Falls (ID).....	—	—	—	20,808	—	—	—	—	—	—	—
Big Cliff (OR).....	—	—	—	3,747	—	—	—	—	—	—	—
Bonneville (OR).....	—	—	—	460,149	—	—	—	—	—	—	—
Chief Joseph (WA).....	—	—	—	884,319	—	—	—	—	—	—	—
Cougar (OR).....	—	—	—	18,984	—	—	—	—	—	—	—
Detroit (OR).....	—	—	—	57,130	—	—	—	—	—	—	—
Dexter (OR).....	—	—	—	11,697	—	—	—	—	—	—	—
Dworshak (ID).....	—	—	—	94,066	—	—	—	—	—	—	—
Foster (OR).....	—	—	—	12,555	—	—	—	—	—	—	—
Green Peter (OR).....	—	—	—	28,797	—	—	—	—	—	—	—
Hills Creek (OR).....	—	—	—	23,147	—	—	—	—	—	—	—
Ice Harbor (WA).....	—	—	—	140,571	—	—	—	—	—	—	—
John Day (OR).....	—	—	—	759,573	—	—	—	—	—	—	—
Libby (MT).....	—	—	—	232,926	—	—	—	—	—	—	—
Little Goose (WA).....	—	—	—	134,853	—	—	—	—	—	—	—
Lookout Point (OR).....	—	—	—	44,101	—	—	—	—	—	—	—
Lost Creek (OR).....	—	—	—	22,239	—	—	—	—	—	—	—
Lower Granite (WA).....	—	—	—	134,701	—	—	—	—	—	—	—
Lower Monumental (WA).....	—	—	—	143,725	—	—	—	—	—	—	—
McNary (OR).....	—	—	—	496,416	—	—	—	—	—	—	—
The Dalles (WA).....	—	—	—	619,259	—	—	—	—	—	—	—
USCE-R B Russell				26,109							
R B Russell (GA).....	—	—	—	26,109	—	—	—	—	—	—	—
USCE-St Louis Dist				563							
Clarence Canyon (MO).....	—	—	—	563	—	—	—	—	—	—	—
USCE-Tulsa District				75,820							
Broken Bow (OK).....	—	—	—	873	—	—	—	—	—	—	—
Denison (TX).....	—	—	—	9,030	—	—	—	—	—	—	—
Eufaula (OK).....	—	—	—	11,912	—	—	—	—	—	—	—
Fort Gibson (OK).....	—	—	—	6,362	—	—	—	—	—	—	—
Keystone (OK).....	—	—	—	11,292	—	—	—	—	—	—	—
Robert S Kerr (OK).....	—	—	—	24,550	—	—	—	—	—	—	—
Tenkiller Ferry (OK).....	—	—	—	3,478	—	—	—	—	—	—	—
Webbers Falls (OK).....	—	—	—	8,323	—	—	—	—	—	—	—
USCE-Vickburg District				20,499							
Blakely Mountain (AR).....	—	—	—	8,099	—	—	—	—	—	—	—
Degray (AR).....	—	—	—	9,506	—	—	—	—	—	—	—
Narrows (AR).....	—	—	—	2,894	—	—	—	—	—	—	—
USCE-Wilmington				22,240							
John H Kerr (VA).....	—	—	—	21,329	—	—	—	—	—	—	—
Philpott (VA).....	—	—	—	911	—	—	—	—	—	—	—
Vero Beach (City of)		165	2,583					*	29		55
Municipal Plant (FL).....	—	165	2,583	—	—	—	—	*	29	—	55
Vineland (City of)	7,007	138					4	*		6	31
Down, Howard (NJ).....	7,007	—	—	—	—	—	4	—	—	6	24
West (NJ).....	—	138	—	—	—	—	—	*	—	—	7

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Virginia (City of).....	3,866	—	2,384	—	—	—	2	—	21	*	—
Virginia (MN).....	3,866	—	2,384	—	—	—	2	—	21	*	—
Virginia Elec & Power Co.....	2,611,256	27,686	36,003	-51,163	2,455,952	—	1,032	45	343	1,220	1,338
Bath County (VA).....	—	—	—	-86,139	—	—	—	—	—	—	—
Bremo Bluff (VA).....	91,264	320	—	—	—	—	40	1	—	93	3
Chesapeake (VA).....	332,168	894	—	—	—	—	126	1	—	211	20
Chesterfield (VA).....	613,779	2,116	34,680	—	—	—	245	4	332	68	54
Clover (VA).....	406,818	1,216	—	—	—	—	151	2	—	248	4
Cushaw (VA).....	—	—	—	783	—	—	—	—	—	—	—
Darbytown (VA).....	—	—	—	—	—	—	—	—	—	—	52
Gaston (NC).....	—	—	—	16,692	—	—	—	—	—	—	—
Gravel Neck (VA).....	—	38	—	—	—	—	—	*	*	—	61
Kitty Hawk (NC).....	—	8	—	—	—	—	—	*	—	—	10
Low Moor (VA).....	—	—	—	—	—	—	—	—	—	—	10
Mt Storm (WV).....	878,850	803	—	—	—	—	351	1	—	470	8
North Anna (VA).....	—	—	—	507	1,299,279	—	—	—	—	—	—
North Branch (WV).....	—	—	—	—	—	—	—	—	—	—	—
Northern Neck (VA).....	—	7	—	—	—	—	—	*	—	—	10
Possum Point (VA).....	164,869	59	—	—	—	—	66	*	—	58	334
Roanoke Rapids (NC).....	—	—	—	16,994	—	—	—	—	—	—	—
Surry (VA).....	—	—	—	—	1,156,673	—	—	—	—	—	—
Yktn Term A (VA).....	—	—	—	—	—	—	—	—	—	—	495
Yorktown (VA).....	123,508	22,225	1,323	—	—	—	52	36	11	74	220
1st Energy (VA).....	—	—	—	—	—	—	—	—	—	—	59
Vt Yankee Nuclear Pr Corp.....	—	—	—	—	298,638	—	—	—	—	—	—
Vt. Yankee (VT).....	—	—	—	—	298,638	—	—	—	—	—	—
Wash Pub Pwr Supply Systm.....	—	—	—	12,375	818,029	—	—	—	—	—	—
Packwood (WA).....	—	—	—	12,375	—	—	—	—	—	—	—
WNP-2 (WA).....	—	—	—	—	818,029	—	—	—	—	—	—
Washington Wtr Pwr Co(The).....	—	—	4,593	324,725	—	21,943	—	—	53	—	—
Cabinet Gorge (ID).....	—	—	—	92,974	—	—	—	—	—	—	—
Kettle Fls (WA).....	—	—	484	—	—	21,943	—	—	5	—	—
Little Falls (WA).....	—	—	—	16,841	—	—	—	—	—	—	—
Long Lake (WA).....	—	—	—	40,150	—	—	—	—	—	—	—
Meyers Falls (WA).....	—	—	—	637	—	—	—	—	—	—	—
Monroe Street (WA).....	—	—	—	10,046	—	—	—	—	—	—	—
Nine Mile (WA).....	—	—	—	9,371	—	—	—	—	—	—	—
Northeast (WA).....	—	—	55	—	—	—	—	—	1	—	—
Noxon Rapids (MT).....	—	—	—	139,811	—	—	—	—	—	—	—
Post Falls (ID).....	—	—	—	7,815	—	—	—	—	—	—	—
Rathdrum (WA).....	—	—	4,054	—	—	—	—	—	47	—	—
Upper Falls (WA).....	—	—	—	7,080	—	—	—	—	—	—	—
Waverly (City of).....	—	—	4	138	—	8	—	—	*	—	*
East Hydro (IA).....	—	—	—	138	—	—	—	—	—	—	—
East Plant (IA).....	—	—	—	—	—	—	—	—	—	—	*
North Plant (IA).....	—	—	4	—	—	—	—	—	*	—	*
Skeets 1 (IA).....	—	—	—	—	—	8	—	—	—	—	—
West Penn Power Co.....	992,355	692	157	18,385	—	—	377	1	2	629	5
Armstrong (PA).....	210,548	115	—	—	—	—	73	*	—	89	*
Hatfields Ferry (PA).....	595,526	540	—	—	—	—	229	1	—	487	5
Lake Lynn (WV).....	—	—	—	18,385	—	—	—	—	—	—	—
Mitchell (PA).....	186,281	37	157	—	—	—	75	*	2	52	*
Springdale (PA).....	—	—	—	—	—	—	—	—	—	—	—
West Texas Utilities Co.....	438,822	91	215,275	—	—	—	266	*	2,200	212	256
Abilene (TX).....	—	—	—	—	—	—	—	—	—	—	4
Fort Phantom (TX).....	—	—	83,796	—	—	—	—	—	854	—	99
Ft Stockton (TX).....	—	—	—	—	—	—	—	—	—	—	—
Lake Pauline (TX).....	—	—	—	—	—	—	—	—	—	—	18
Oak Creek (TX).....	—	—	34,383	—	—	—	—	—	335	—	28
Oklaunion (TX).....	438,822	91	—	—	—	—	266	*	—	212	5
Paint Creek (TX).....	—	—	1,534	—	—	—	—	—	19	—	80
Presidio (TX).....	—	—	—	—	—	—	—	—	—	—	1
Rio Pecos (TX).....	—	—	26,052	—	—	—	—	—	286	—	1

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (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)
West Texas Utilities Co											
San Angelo (TX)	—	—	69,510	—	—	—	—	—	706	—	19
Vernon (TX)	—	—	—	—	—	—	—	—	—	—	1
Western Farmers Elec Coop	212,058	113	127,868	—	—	—	134	*	1,169	179	44
Anadarko (OK)	—	—	102,363	—	—	—	—	—	916	—	42
Hugo (OK)	212,058	113	—	—	—	—	134	*	—	179	2
Mooreland (OK)	—	—	25,505	—	—	—	—	—	254	—	—
Western Mass Elec Co	—	4,673	152	-2,992	—	—	—	10	2	—	45
Cabot (MA)	—	—	—	—	—	—	—	—	—	—	—
Cobble Mountain (MA)	—	—	—	947	—	—	—	—	—	—	—
Doreen (MA)	—	-10	—	—	—	—	—	—	—	—	1
Dwight (MA)	—	—	—	553	—	—	—	—	—	—	—
Gardners Falls (MA)	—	—	—	323	—	—	—	—	—	—	—
Indian Orchard (MA)	—	—	—	1,304	—	—	—	—	—	—	—
Northfield Mountain (MA)	—	—	—	-35,875	—	—	—	—	—	—	—
Putts Bridge (MA)	—	—	—	439	—	—	—	—	—	—	—
Red Bridge (MA)	—	—	—	882	—	—	—	—	—	—	—
Turners Falls (MA)	—	—	—	28,435	—	—	—	—	—	—	—
West Springfield (MA)	—	4,691	152	—	—	—	—	10	2	—	43
Woodland Road (MA)	—	-8	—	—	—	—	—	—	—	—	1
Willmar (City of)	2,796	—	—	—	—	—	4	—	—	7	—
Willmar (MN)	2,796	—	—	—	—	—	4	—	—	7	—
Winfield (City of)	—	—	4	—	—	—	—	—	*	—	—
Winfield (KS)	—	—	4	—	—	—	—	—	*	—	—
Winfield (KS)	—	—	—	—	—	—	—	—	—	—	—
Winnetka (Village of)	—	10	7	—	—	—	—	*	*	—	2
Winnetka (IL)	—	10	7	—	—	—	—	*	*	—	2
Wisconsin Electric Pwr Co	1,620,582	626	11,666	25,079	170,279	—	882	2	148	2,446	99
Appleton (WI)	—	—	—	1,310	—	—	—	—	—	—	—
Big Quinnesec 61 (MI)	—	—	—	—	—	—	—	—	—	—	—
Big Quinnesec 92 (MI)	—	—	—	6,977	—	—	—	—	—	—	—
Brule (MI)	—	—	—	912	—	—	—	—	—	—	—
Chalk Hill (MI)	—	—	—	2,243	—	—	—	—	—	—	—
Concord (WI)	—	8	5,519	—	—	—	—	*	82	—	15
Germantown (WI)	—	—	—	—	—	—	—	*	—	—	11
Hemlock Falls (MI)	—	—	—	—	—	—	—	—	—	—	—
Kingsford (MI)	—	—	—	1,908	—	—	—	—	—	—	—
Lower Paint (MI)	—	—	—	57	—	—	—	—	—	—	—
Michigamme Falls (MI)	—	—	—	1,959	—	—	—	—	—	—	—
Oconto Falls (WI)	—	—	—	430	—	—	—	—	—	—	—
Oil Storage (WI)	—	—	—	—	—	—	—	—	—	—	37
Paris (WI)	—	—	330	—	—	—	—	—	7	—	15
Peavy Falls (MI)	—	—	—	3,332	—	—	—	—	—	—	—
Pine (WI)	—	—	—	1,016	—	—	—	—	—	—	—
Pleasant Prairie (WI)	669,699	2	2,003	—	—	—	427	*	21	584	4
Point Beach (WI)	—	12	—	—	170,279	—	—	1	—	—	3
Port Washington (WI)	94,544	—	—	—	—	—	48	—	—	340	3
Presque Isle (MI)	257,545	604	—	—	—	—	141	1	—	1,041	8
South Oak Creek (WI)	495,746	—	3,457	—	—	—	209	—	32	228	3
Sturgeon (MI)	—	—	—	347	—	—	—	—	—	—	—
Twin Falls (MI)	—	—	—	2,102	—	—	—	—	—	—	—
Valley (WI)	103,048	—	357	—	—	—	58	—	5	254	—
Way (MI)	—	—	—	201	—	—	—	—	—	—	—
Weyauwega (WI)	—	—	—	—	—	—	—	—	—	—	—
White Rapids (MI)	—	—	—	2,285	—	—	—	—	—	—	—
Wisconsin Pub Serv Corp	406,817	17	6,643	25,594	364,456	—	261	*	91	174	39
Alexander (WI)	—	—	—	2,419	—	—	—	—	—	—	—
Caldron Falls (WI)	—	—	—	1,060	—	—	—	—	—	—	—
Eagle River (WI)	—	—	—	—	—	—	—	—	—	—	*
Grand Rapids (MI)	—	—	—	2,392	—	—	—	—	—	—	—
Grandfather Falls (WI)	—	—	—	10,019	—	—	—	—	—	—	—
Hat Rapids (WI)	—	—	—	922	—	—	—	—	—	—	—
High Falls (WI)	—	—	—	1,197	—	—	—	—	—	—	—

See footnotes at end of table.

Table 56. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, November 1997 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Wisconsin Pub Serv Corp											
Jersey (WI).....	—	—	—	324	—	—	—	—	—	—	—
Johnson Falls (WI).....	—	—	—	680	—	—	—	—	—	—	—
Kewaunee (WI).....	—	—	—	—	364,456	—	—	—	—	—	—
Merrill (WI).....	—	—	—	406	—	—	—	—	—	—	—
Oneida Casino (WI).....	—	—	—	—	—	—	—	—	—	—	*
Otter Rapids (WI).....	—	—	—	215	—	—	—	—	—	—	—
Peshigo (WI).....	—	—	—	194	—	—	—	—	—	—	—
Potato Rapids (WI).....	—	—	—	365	—	—	—	—	—	—	—
Pulliam (WI).....	154,411	—	1,350	—	—	—	104	—	17	94	*
Sandstone Rapids (WI).....	—	—	—	735	—	—	—	—	—	—	—
Tomahawk (WI).....	—	—	—	1,368	—	—	—	—	—	—	—
Wausau (WI).....	—	—	—	3,298	—	—	—	—	—	—	—
West Marinette (WI).....	—	17	3,733	—	—	—	—	*	54	—	19
Weston (WI).....	252,406	—	1,560	—	—	—	157	—	20	80	20
Wisconsin Pwr & Lgt Co	1,042,533	1,273	2,090	14,965	—	10,816	596	2	31	1,410	28
Blackhawk (WI).....	—	—	—	266	—	—	—	—	—	—	—
Columbia (WI).....	561,107	787	—	—	—	—	340	1	—	800	2
Dewey, Nelson (WI).....	115,858	35	—	—	—	793	34	*	—	268	*
Edgewater (WI).....	334,036	409	—	—	—	6,200	200	1	—	280	1
Janesville (WI).....	—	—	—	237	—	—	—	—	—	—	—
Kilbourn (WI).....	—	—	—	4,945	—	—	—	—	—	—	—
NA 1 (WI).....	—	—	1,127	—	—	—	—	—	17	—	10
Portable (WI).....	—	—	—	—	—	—	—	—	—	—	—
Prairie Du Sac (WI).....	—	—	—	9,208	—	—	—	—	—	—	—
Rock River (WI).....	31,532	42	963	—	—	3,823	22	*	13	62	9
Shawano (WI).....	—	—	—	309	—	—	—	—	—	—	—
Sheepskin (WI).....	—	—	—	—	—	—	—	—	*	—	4
Wolf Creek Nuclear Corp	—	—	—	—	-17,017	—	—	—	—	—	—
Wolf Creek (KS).....	—	—	—	—	-17,017	—	—	—	—	—	—
Wolverine Pwr supply Coop	-550	7	-57	644	—	—	—	*	1	77	5
Advance (MI).....	-550	—	—	—	—	—	—	—	—	77	*
Beaver Island (MI).....	—	-2	—	—	—	—	—	*	—	—	2
Johnson, George (MI).....	—	—	7	—	—	—	—	*	1	—	1
Kleber (MI).....	—	—	—	482	—	—	—	—	—	—	—
Scottville (MI).....	—	-5	—	—	—	—	—	*	—	—	*
Tower (MI).....	—	-10	—	—	—	—	—	*	—	—	1
Tower Hydro (MI).....	—	—	—	162	—	—	—	—	—	—	—
Vandyke, Claude (MI).....	—	-8	-64	—	—	—	—	—	—	—	*
Vestaburg (MI).....	—	32	—	—	—	—	—	*	—	—	1
Winder, C A (MI).....	—	—	—	—	—	—	—	—	—	—	—
Wyandotte (City of)	19,435	—	553	—	—	—	9	—	5	31	—
Wyandotte (MI).....	19,435	—	553	—	—	—	9	—	5	31	—
Yazoo Pub Serv Comm (City)	—	—	—	—	—	—	—	—	—	—	—
Yazoo (MS).....	—	—	—	—	—	—	—	—	—	—	—
Yuba County Water Agency	—	—	—	55,663	—	—	—	—	—	—	—
Fish Power (CA).....	—	—	—	101	—	—	—	—	—	—	—
New Colgate (CA).....	—	—	—	43,436	—	—	—	—	—	—	—
New Narrows (CA).....	—	—	—	12,126	—	—	—	—	—	—	—

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

* Less than 0.05.

Notes: •Data for 1997 are preliminary. •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, November 1997

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			
Alabama Electric Coop Inc.....	110	138.7	33.39	1.91	*	448.4	24.58	—	—	—	—	100	*	—
Lowman (AL).....	110	138.7	33.39	1.91	*	448.4	24.58	—	—	—	—	100	*	—
Alabama Power Co.....	1,942	163.0	36.37	.83	7	273.1	16.08	—	60	360.8	3.70	100	*	*
Barry (AL).....	306	197.2	48.20	.75	—	—	—	—	5	333.0	3.56	100	—	*
Gadsden (AL).....	14	128.7	31.91	2.12	—	—	—	—	5	355.0	3.63	99	—	1
Gaston (AL).....	414	168.6	41.16	.95	4	246.2	14.44	—	—	—	—	100	*	—
Gorgas 2 and 3 (AL).....	248	153.8	37.80	1.91	4	300.0	17.73	—	—	—	—	100	*	—
Greene (AL).....	115	120.9	29.33	1.53	—	—	—	—	1	435.0	4.48	100	—	*
James Miller (AL).....	844	155.3	30.35	.37	—	—	—	—	50	363.0	3.71	100	—	*
American Municipal Power.....	55	83.5	19.22	5.29	—	—	—	—	8	384.6	4.00	99	—	1
Gorsuch (OH).....	55	83.5	19.22	5.29	—	—	—	—	8	384.6	4.00	99	—	1
Ames City of.....	23	146.1	25.92	.19	*	448.3	25.85	0.20	—	—	—	100	*	—
Ames (IA).....	23	146.1	25.92	.19	*	448.3	25.85	.20	—	—	—	100	*	—
Anchorage City of.....	—	—	—	—	—	—	—	—	446	203.8	2.04	—	—	100
George Sullivan (AK).....	—	—	—	—	—	—	—	—	446	203.8	2.04	—	—	100
Appalachian Power Co.....	967	143.2	37.62	.72	4	503.4	29.33	—	—	—	—	100	*	—
Amos (WV).....	290	163.2	40.74	.78	1	557.5	32.49	—	—	—	—	100	*	—
Clinch River (VA).....	199	128.1	31.99	.72	*	461.1	27.22	—	—	—	—	100	*	—
Glen Lyn (VA).....	20	142.9	35.91	.92	2	477.4	27.80	—	—	—	—	97	3	—
Kanawha River (WV).....	97	117.6	46.83	.78	—	—	—	—	—	—	—	100	—	—
Mountaineer (WV).....	361	146.4	35.84	.63	*	620.5	35.78	—	—	—	—	100	*	—
Arizona Electric Pwr Coop Inc.....	107	110.5	21.13	.64	—	—	—	—	6	294.1	3.00	100	—	*
Apache (AZ).....	107	110.5	21.13	.64	—	—	—	—	6	294.1	3.00	100	—	*
Arizona Public Service Co.....	976	108.0	19.66	.66	2	530.3	30.77	.05	324	383.3	3.89	98	*	2
Cholla (AZ).....	286	136.5	26.65	.41	2	530.3	30.77	.05	4	448.1	4.57	100	*	*
Four Corners (NM).....	690	94.9	16.76	.76	—	—	—	—	54	421.0	4.26	100	—	*
Phoenix (AZ).....	—	—	—	—	—	—	—	—	78	584.0	5.94	—	—	100
Yucca (AZ).....	—	—	—	—	—	—	—	—	188	288.0	2.92	—	—	100
Arkansas Power & Light Co.....	831	154.5	27.09	.30	1	460.5	27.15	.50	346	302.8	3.12	98	*	2
Couch (AR).....	—	—	—	—	—	—	—	—	263	274.6	2.82	—	—	100
Independence (AR).....	486	144.6	25.39	.20	1	460.5	27.15	.50	—	—	—	100	*	—
Lake Catherine (AR).....	—	—	—	—	—	—	—	—	81	390.8	4.08	—	—	100
Ritchie (AR).....	—	—	—	—	—	—	—	—	2	399.7	4.04	—	—	100
Whitebluff (AR).....	345	168.6	29.49	.45	—	—	—	—	—	—	—	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, November 1997 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sul- fur %	Receipts	Average Cost ³		Avg. Sul- fur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Associated Electric Coop Inc	714	83.5	14.68	0.22	—	—	—	—	—	—	—	100	—	—
Hill (MO).....	406	73.5	12.91	.21	—	—	—	—	—	—	—	100	—	—
Madrid (MO).....	309	96.6	17.01	.24	—	—	—	—	—	—	—	100	—	—
Atlantic City Electric Co	79	181.1	46.01	1.84	1	456.7	26.97	0.11	*	2	1,093.2	11.40	100	*
Deepwater (NJ).....	22	181.8	46.46	.74	—	—	—	—	*	2	1,093.2	11.40	100	*
England (NJ).....	56	180.8	45.83	2.28	1	456.7	26.97	.11	—	—	—	100	*	—
Austin City of.....	—	—	—	—	—	—	—	—	3,276	327.0	3.33	—	—	100
Decker Creek (TX).....	—	—	—	—	—	—	—	—	2,802	326.7	3.33	—	—	100
Holly (TX).....	—	—	—	—	—	—	—	—	473	328.8	3.34	—	—	100
Baltimore Gas & Electric Co	457	138.3	35.60	.96	126	318.9	20.14	.94	62	392.6	4.10	93	6	1
Brandon Shores (MD).....	249	139.6	35.28	.69	4	439.2	25.50	.18	—	—	—	100	*	—
Crane (MD).....	95	134.5	35.77	1.80	—	—	—	—	—	—	—	100	—	—
Gould St (MD).....	—	—	—	—	24	319.0	20.17	.98	10	404.4	4.22	—	94	6
Riverside (MD).....	—	—	—	—	—	—	—	—	4	404.4	4.22	—	—	100
Wagner (MD).....	113	138.6	36.17	.83	98	314.4	19.92	.97	48	389.2	4.06	81	17	1
Basin Electric Power Coop	1,315	67.6	9.86	.56	5	532.1	30.81	.34	—	—	—	100	*	—
Antelope Valley (ND).....	487	85.2	10.94	.68	—	—	—	—	—	—	—	100	—	—
Laramie River (WY).....	568	51.1	8.57	.36	4	558.2	32.33	.34	—	—	—	100	*	—
Leland Olds (ND).....	260	81.2	10.66	.76	1	440.6	25.52	.34	—	—	—	100	*	—
Big Rivers Electric Corp.....	433	100.0	22.59	2.67	3	439.1	25.45	—	3	503.1	5.03	100	*	*
Coleman (KY).....	105	112.1	25.06	1.49	—	—	—	—	3	503.1	5.03	100	—	*
R D Green (KY).....	126	88.9	19.31	3.11	—	—	—	—	—	—	—	100	—	—
Reid-Henderson (KY).....	89	101.3	22.94	2.69	3	439.1	25.45	—	—	—	—	99	1	—
Wilson (KY).....	113	99.2	22.72	3.27	—	—	—	—	—	—	—	100	—	—
Black Hills Corp	44	46.9	7.50	.80	*	539.0	32.34	.04	—	—	—	100	*	—
Neal Simpson II (WY).....	44	46.9	7.50	.80	*	539.0	32.34	.04	—	—	—	100	*	—
Boston Edison Co.....	—	—	—	—	589	302.2	19.19	.80	2,810	396.7	4.12	—	56	44
Mystic (MA).....	—	—	—	—	589	302.2	19.19	.80	80	339.2	3.70	—	98	2
New Boston (MA).....	—	—	—	—	—	—	—	—	2,730	398.5	4.13	—	—	100
Braintree City of.....	—	—	—	—	—	—	—	—	45	385.0	3.96	—	—	100
Potter Station (MA).....	—	—	—	—	—	—	—	—	45	385.0	3.96	—	—	100
Brazos Electric Power Coop Inc.....	—	—	—	—	—	—	—	—	860	320.3	3.26	—	—	100
Miller (TX).....	—	—	—	—	—	—	—	—	850	319.8	3.25	—	—	100
North Texas (TX).....	—	—	—	—	—	—	—	—	10	355.2	3.86	—	—	100
Bryan City of.....	—	—	—	—	—	—	—	—	400	251.7	2.57	—	—	100
Bryan (TX).....	—	—	—	—	—	—	—	—	194	254.8	2.60	—	—	100
Dansby (TX).....	—	—	—	—	—	—	—	—	206	248.8	2.54	—	—	100
Burbank City of.....	—	—	—	—	—	—	—	—	21	326.0	3.32	—	—	100
Magnolia-Olive (CA).....	—	—	—	—	—	—	—	—	21	326.0	3.32	—	—	100
Burlington City of.....	—	—	—	—	2	453.5	26.04	.06	2	416.8	4.21	—	85	15
J C McNeil (VT).....	—	—	—	—	2	453.5	26.04	.06	2	416.8	4.21	—	85	15
Cajun Electric Power Coop Inc.....	406	151.7	25.80	.48	7	423.4	24.90	—	105	343.0	3.59	98	1	2
Big Cajun No.1 (LA).....	—	—	—	—	—	—	—	—	105	343.0	3.59	—	—	100
Big Cajun No.2 (LA).....	406	151.7	25.80	.48	7	423.4	24.90	—	—	—	—	99	1	—
Cambridge Electric Light Co.....	—	—	—	—	46	380.2	23.63	.46	—	—	—	—	100	—
Kendall Square (MA).....	—	—	—	—	46	380.2	23.63	.46	—	—	—	—	100	—
Canal Electric Co.....	—	—	—	—	982	301.0	19.20	.90	—	—	—	—	100	—
Canal (MA).....	—	—	—	—	982	301.0	19.20	.90	—	—	—	—	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, November 1997 (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			
Cardinal Operating Co.....	433	149.9	36.78	2.32	12	432.6	25.24	0.20	—	—	—	99	1	—
Cardinal (OH).....	433	149.9	36.78	2.32	12	432.6	25.24	.20	—	—	—	99	1	—
Carolina Power & Light Co.....	920	148.7	36.62	.87	17	449.6	26.06	.20	—	—	—	100	*	—
Asheville (NC).....	70	132.7	33.60	1.10	1	457.4	26.51	.20	—	—	—	100	*	—
Cape Fear (NC).....	81	148.3	36.64	.97	—	—	—	—	—	—	—	100	—	—
Lee (NC).....	22	158.5	40.14	.45	5	453.1	26.26	.20	—	—	—	95	5	—
Mayo (NC).....	132	163.3	38.91	.70	3	419.8	24.33	.20	—	—	—	99	1	—
Robinson (SC).....	18	140.0	32.06	1.48	1	469.4	27.21	.20	—	—	—	99	1	—
Roxboro (NC).....	524	146.6	36.16	.85	5	463.9	26.89	.20	—	—	—	100	*	—
Sutton (NC).....	37	152.3	38.41	1.12	2	442.1	25.62	.20	—	—	—	99	1	—
Weatherspoon (NC).....	36	155.7	39.16	.89	—	—	—	—	—	—	—	100	—	—
Cedar Falls City of.....	4	153.5	35.65	2.41	—	—	—	—	1	582.7	5.83	99	—	1
Streeter (IA).....	4	153.5	35.65	2.41	—	—	—	—	1	582.7	5.83	99	—	1
Central Electric Pwr Coop-MO.....	19	127.5	27.76	2.74	—	—	—	—	—	—	—	100	—	—
Chamois (MO).....	19	127.5	27.76	2.74	—	—	—	—	—	—	—	100	—	—
Central Hudson Gas & Elec Corp.....	125	171.7	45.02	.63	387	311.3	19.64	1.41	155	341.0	3.46	56	42	3
Danskammer (NY).....	125	171.7	45.02	.63	—	—	—	—	42	380.5	3.87	99	—	1
Roseton (NY).....	—	—	—	—	387	311.3	19.64	1.41	113	326.4	3.31	—	96	4
Central Illinois Light Co.....	206	154.0	33.87	2.33	2	525.6	30.64	.05	—	—	—	100	*	—
Duck Creek (IL).....	42	197.9	42.50	3.54	*	522.8	30.43	.10	—	—	—	100	*	—
Edwards (IL).....	164	143.1	31.66	2.02	1	526.7	30.72	.03	—	—	—	100	*	—
Central Illinois Pub Serv Co.....	435	149.6	32.98	1.28	4	626.9	35.99	.08	—	—	—	100	*	—
Coffeen (IL).....	137	178.7	36.62	1.38	2	607.0	35.08	.03	—	—	—	100	*	—
Grand Tower (IL).....	22	98.1	21.44	2.97	—	—	—	—	—	—	—	100	—	—
Hutsonville (IL).....	43	110.7	25.38	2.46	—	—	—	—	—	—	—	100	—	—
Meredosia (IL).....	28	157.0	34.30	2.65	1	599.8	34.95	.36	—	—	—	100	*	—
Newton (IL).....	205	144.7	33.22	.59	2	657.7	37.32	.03	—	—	—	100	*	—
Central Iowa Power Coop.....	11	114.4	24.95	3.13	—	—	—	—	*	514.3	5.21	100	—	*
Fair Station (IA).....	11	114.4	24.95	3.13	—	—	—	—	*	514.3	5.21	100	—	*
Central Louisiana Elec Co Inc.....	461	164.6	24.35	1.01	—	—	—	—	1,384	316.2	3.31	83	—	17
Coughlin (LA).....	—	—	—	—	—	—	—	—	144	329.7	3.46	—	—	100
Dolet Hills (LA).....	317	133.8	18.17	1.25	—	—	—	—	1	391.5	4.01	100	—	*
Rodemacher (LA).....	144	217.1	37.97	.48	—	—	—	—	1,205	315.4	3.30	67	—	33
Teche (LA).....	—	—	—	—	—	—	—	—	34	284.8	2.99	—	—	100
Central Maine Power Co.....	—	—	—	—	464	320.1	20.03	1.14	—	—	—	100	—	—
Wyman (ME).....	—	—	—	—	464	320.1	20.03	1.14	—	—	—	100	—	—
Central Operating Co.....	205	125.1	30.37	1.42	3	466.3	26.75	—	—	—	—	100	*	—
Sporn (WV).....	205	125.1	30.37	1.42	3	466.3	26.75	—	—	—	—	100	*	—
Central Power & Light Co.....	130	137.9	28.92	.36	—	—	—	—	7,884	317.3	3.25	25	—	75
Bates (TX).....	—	—	—	—	—	—	—	—	629	311.8	3.18	—	—	100
Coletto Creek (TX).....	130	137.9	28.92	.36	—	—	—	—	—	—	—	100	—	—
Davis (TX).....	—	—	—	—	—	—	—	—	1,719	317.0	3.26	—	—	100
Hill (TX).....	—	—	—	—	—	—	—	—	913	320.2	3.26	—	—	100
Joslin (TX).....	—	—	—	—	—	—	—	—	185	321.4	3.32	—	—	100
La Palma (TX).....	—	—	—	—	—	—	—	—	719	312.0	3.21	—	—	100
Laredo (TX).....	—	—	—	—	—	—	—	—	528	332.3	3.51	—	—	100
Nueces Bay (TX).....	—	—	—	—	—	—	—	—	2,616	315.4	3.21	—	—	100
Victoria (TX).....	—	—	—	—	—	—	—	—	576	319.1	3.28	—	—	100
Chugach Electric Assn Inc.....	—	—	—	—	—	—	—	—	1,275	177.0	1.77	—	—	100
Beluga (AK).....	—	—	—	—	—	—	—	—	1,275	177.0	1.77	—	—	100
Cincinnati Gas & Electric Co.....	932	110.7	26.62	1.87	9	400.6	23.24	.10	—	—	—	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, November 1997 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Cincinnati Gas & Electric Co														
Beckjord (OH).....	247	111.6	26.66	1.11	1	397.8	22.89	0.36	—	—	—	100	*	—
East Bend (KY).....	165	107.1	25.87	2.05	1	409.7	23.49	.27	—	—	—	100	*	—
Miami Fort (OH).....	333	117.2	28.05	1.13	5	401.4	23.47	.02	—	—	—	100	*	—
Zimmer (OH).....	186	101.4	24.68	4.07	3	398.5	22.90	.13	—	—	—	100	*	—
Cleveland Electric Illum Co	290	117.9	30.36	2.62	—	—	—	—	—	—	—	100	—	—
Ashtabula (OH).....	42	103.9	25.72	3.32	—	—	—	—	—	—	—	100	—	—
Avon Lake (OH).....	35	134.5	34.21	1.55	—	—	—	—	—	—	—	100	—	—
Eastlake (OH).....	213	117.9	30.64	2.65	—	—	—	—	—	—	—	100	—	—
Coffeyville City of	—	—	—	—	—	—	—	—	17	234.0	2.34	—	—	100
Coffeyville (KS).....	—	—	—	—	—	—	—	—	17	234.0	2.34	—	—	100
Colorado Springs City of	158	118.1	25.93	.39	—	—	—	—	25	359.4	3.56	99	—	1
Birdsall (CO).....	—	—	—	—	—	—	—	—	11	359.4	3.56	—	—	100
Drake (CO).....	88	135.9	29.21	.37	—	—	—	—	14	359.4	3.56	99	—	1
Nixon (CO).....	70	96.8	21.81	.42	—	—	—	—	—	—	—	100	—	—
Columbia City of	5	201.8	52.77	1.19	—	—	—	—	—	—	—	100	—	—
Columbia (MO).....	5	201.8	52.77	1.19	—	—	—	—	—	—	—	100	—	—
Columbus & Southern Ohio El Co	391	134.8	32.02	2.89	2	445.0	26.24	—	—	—	—	100	*	—
Conesville (OH).....	366	137.0	32.68	2.85	2	445.9	26.31	—	—	—	—	100	*	—
Picway (OH).....	25	99.5	22.33	3.42	*	436.3	25.62	—	—	—	—	100	*	—
Commonwealth Edison Co	1,459	204.2	36.66	.40	47	350.8	22.17	.63	3,880	327.0	3.32	86	1	13
Collins (IL).....	—	—	—	—	41	340.7	21.77	.68	3,755	326.4	3.32	—	6	94
Fisk Storage (IL).....	—	—	—	—	—	—	—	—	88	318.9	3.27	—	—	100
Joliet (IL).....	240	91.1	15.92	.38	—	—	—	—	—	—	—	100	—	—
Kincaid (IL).....	54	165.7	36.92	1.70	—	—	—	—	2	364.0	3.65	100	—	*
Powerton (IL).....	372	227.2	39.92	.37	—	—	—	—	21	446.0	4.46	100	—	*
State Line (IN).....	136	247.7	47.72	.35	—	—	—	—	—	—	—	100	—	—
State Line Storage (IN).....	—	—	—	—	—	—	—	—	15	349.0	3.57	—	—	100
Waukegan (IL).....	296	247.9	43.43	.38	—	—	—	—	—	—	—	100	—	—
Will County (IL).....	361	209.0	37.33	.29	6	426.1	24.95	.25	—	—	—	99	1	—
Connecticut Light & Power Co	—	—	—	—	684	319.5	20.40	.74	622	327.3	3.38	—	87	13
Devon (CT).....	—	—	—	—	82	247.9	15.80	.95	—	—	—	—	100	—
Middletown (CT).....	—	—	—	—	214	346.0	21.79	.46	598	323.4	3.34	—	69	31
Montville (CT).....	—	—	—	—	157	314.2	20.34	.71	25	419.9	4.32	—	98	2
Norwalk Harbor (CT).....	—	—	—	—	231	324.3	20.80	.95	—	—	—	—	100	—
Consolidated Edison Co-NY Inc	—	—	—	—	594	335.0	20.74	.23	4,761	356.5	3.67	—	43	57
Arthur Kill (NY).....	—	—	—	—	—	—	—	—	4	357.2	3.68	—	—	100
Astoria (NY).....	—	—	—	—	—	—	—	—	1,872	356.5	3.67	—	—	100
East River (NY).....	—	—	—	—	—	—	—	—	76	356.4	3.67	—	—	100
Ravenswood (NY).....	—	—	—	—	—	—	—	—	2,279	356.5	3.67	—	—	100
Storage Facility #7.....	—	—	—	—	594	335.0	20.74	.23	—	—	—	—	100	—
Waterside (NY).....	—	—	—	—	—	—	—	—	531	356.5	3.67	—	—	100
Consumers Power Co	833	148.3	33.56	.71	52	340.9	21.25	.74	99	385.0	3.85	98	2	1
Campbell (MI).....	390	156.5	35.96	.66	—	—	—	—	—	—	—	100	—	—
Cobb (MI).....	142	143.8	31.53	.71	1	439.8	25.49	.50	—	—	—	100	*	—
Karn-Weadock (MI).....	108	142.5	34.58	.95	44	322.7	20.35	.78	99	385.0	3.85	87	9	3
Weadock (MI).....	129	127.7	25.63	.61	6	462.8	26.82	.50	—	—	—	99	1	—
Whiting (MI).....	65	154.3	37.67	.81	1	451.4	26.16	.50	—	—	—	100	*	—
Coop Power Assn	659	70.5	8.86	.68	—	—	—	—	—	—	—	100	—	—
Coal Creek (ND).....	659	70.5	8.86	.68	—	—	—	—	—	—	—	100	—	—
Dairyland Power Coop	71	92.2	16.16	.20	2	489.3	28.77	.50	—	—	—	99	1	—
Alma-Madgett (WI).....	71	92.2	16.16	.20	2	489.3	28.77	.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, November 1997 (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						
Dayton Power & Light Co	651	132.2	31.05	0.80	6	457.7	26.48	0.32	26	445.2	4.54	100	*	*			
Hutchings (OH)	28	138.1	34.97	.78	—	—	—	—	26	445.2	4.54	96	—	—	—	—	4
Killen (OH)	163	124.5	29.88	.64	—	—	—	—	—	—	—	100	—	—	—	—	—
Stuart (OH)	459	134.6	31.22	.85	6	457.7	26.48	.32	—	—	—	100	*	*	—	—	—
Delmarva Power & Light Co	143	154.0	40.46	1.04	209	309.0	19.73	1.04	670	245.9	2.55	65	23	12			
Edgemoor (DE)	52	156.8	41.16	.81	186	306.5	19.61	.96	368	299.5	3.12	46	41	13			
Hay Road (DE)	—	—	—	—	—	—	—	—	302	180.3	1.87	—	—	—	100		
Indian River (DE)	91	152.4	40.06	1.18	3	442.4	25.73	.21	—	—	—	99	1	—			
Vienna (MD)	—	—	—	—	20	312.5	19.86	1.92	—	—	—	—	100	—			
Denton City of	—	—	—	—	—	—	—	—	53	197.0	2.10	—	—	100			
Spencer (TX)	—	—	—	—	—	—	—	—	53	197.0	2.10	—	—	100			
Deseret Generation & Tran Coop	141	199.8	39.22	.46	—	—	—	—	—	—	—	100	—	—			
Bonanza (UT)	141	199.8	39.22	.46	—	—	—	—	—	—	—	100	—	—			
Detroit City of	—	—	—	—	54	396.6	25.22	.59	217	341.5	3.52	—	61	39			
Mistersky (MI)	—	—	—	—	54	396.6	25.22	.59	217	341.5	3.52	—	61	39			
Detroit Edison Co	1,940	131.4	26.34	.56	63	465.6	27.08	.21	2,333	289.3	.73	98	1	1			
Belle River (MI)	464	147.4	27.99	.38	—	—	—	—	—	—	—	100	—	—			
Greenwood (MI)	—	—	—	—	—	—	—	—	344	360.9	3.64	—	—	100			
Harbor Beach (MI)	11	173.5	46.13	.77	1	472.7	27.21	2.00	—	—	—	98	2	—			
Marysville (MI)	2	174.3	46.36	.60	—	—	—	—	17	399.7	3.99	76	—	24			
Monroe (MI)	667	116.1	24.12	.68	5	462.0	26.73	.23	—	—	—	100	*	—			
River Rouge (MI)	139	119.7	24.42	.54	—	—	—	—	1,953	155.5	.16	93	—	7			
St Clair (MI)	489	145.7	28.00	.47	57	465.8	27.11	.17	19	339.7	3.43	96	3	*			
Trenton Channel (MI)	168	118.6	25.90	.92	—	—	—	—	—	—	—	100	—	—			
Dover City of	—	—	—	—	6	295.7	18.91	.72	11	433.4	4.47	—	78	22			
McKee Run (DE)	—	—	—	—	6	295.7	18.91	.72	11	433.4	4.47	—	78	22			
Duke Power Co	1,145	136.8	33.91	.91	7	398.6	23.24	.30	—	—	—	100	*	—			
Allen (NC)	178	144.4	35.69	.69	3	469.0	27.38	.30	—	—	—	100	*	—			
Belews Creek (NC)	359	141.2	35.42	.75	—	—	—	—	—	—	—	100	—	—			
Buck (NC)	79	127.2	30.35	.89	—	—	—	—	—	—	—	100	—	—			
Cliffside (NC)	109	135.7	34.45	1.18	1	427.7	24.97	.30	—	—	—	100	*	—			
Dan River (NC)	25	150.0	36.61	.85	—	—	—	—	—	—	—	100	—	—			
Lee (SC)	35	143.6	36.69	1.20	—	—	—	—	—	—	—	100	—	—			
Marshall (NC)	308	128.2	31.35	1.05	3	318.3	18.52	.30	—	—	—	100	*	—			
Riverbend (NC)	52	135.5	33.71	1.14	—	—	—	—	—	—	—	100	—	—			
Duquesne Light Co	236	112.8	28.59	1.98	2	425.9	24.68	.26	8	435.0	4.52	100	*	*			
Cheswick (PA)	136	114.4	29.58	1.81	—	—	—	—	8	435.0	4.52	100	—	*			
Elrama (PA)	100	110.5	27.24	2.21	2	425.9	24.68	.26	—	—	—	100	*	—			
East Kentucky Power Coop	286	112.5	28.05	.89	4	450.2	26.21	.13	—	—	—	100	*	—			
Cooper (KY)	98	114.1	28.58	1.07	*	432.8	25.19	.20	—	—	—	100	*	—			
Dale (KY)	40	114.0	28.46	.82	*	434.0	25.26	.12	—	—	—	100	*	—			
Spurlock (KY)	148	111.1	27.60	.80	3	453.6	26.40	.12	—	—	—	100	*	—			
El Paso Electric Co	—	—	—	—	—	—	—	—	2,198	298.7	3.04	—	—	100			
Newman (TX)	—	—	—	—	—	—	—	—	1,543	319.7	3.25	—	—	100			
Rio Grande (TX)	—	—	—	—	—	—	—	—	655	249.0	2.53	—	—	100			
Electric Energy Inc	362	94.6	16.57	.23	*	516.9	29.57	.17	26	372.2	3.87	100	*	*			
Joppa (IL)	362	94.6	16.57	.23	*	516.9	29.57	.17	26	372.2	3.87	100	*	*			
Empire District Electric Co	82	104.6	19.35	.69	—	—	—	—	21	334.9	3.35	99	—	1			
Asbury (MO)	58	100.2	18.17	.52	—	—	—	—	—	—	—	100	—	—			
Riverton (KS)	24	114.5	22.26	1.13	—	—	—	—	21	334.9	3.35	96	—	4			
Fayetteville Public Works	—	—	—	—	—	—	—	—	22	474.6	4.95	—	—	100			
Butler Warner (NC)	—	—	—	—	—	—	—	—	22	474.6	4.95	—	—	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, November 1997 (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	—	—	—	—	1,988	309.9	19.75	1.52	11,347	383.9	4.05	—	51	49
Cape Canaveral (FL).....	—	—	—	—	204	307.7	19.65	1.45	477	383.9	4.04	—	72	28
Cutler (FL).....	—	—	—	—	—	—	—	—	*	383.9	4.05	—	—	100
Fort Myers (FL).....	—	—	—	—	275	292.4	18.68	2.20	—	—	—	—	100	—
Lauderdale (FL).....	—	—	—	—	—	—	—	—	3,415	383.9	4.05	—	—	100
Manatee (FL).....	—	—	—	—	279	316.9	20.10	.99	—	—	—	—	100	—
Martin (FL).....	—	—	—	—	240	322.9	20.50	.99	4,575	383.9	4.05	—	24	76
Port Everglades (FL).....	—	—	—	—	245	309.5	19.71	1.25	733	383.9	4.05	—	67	33
Putnam (FL).....	—	—	—	—	—	—	—	—	949	383.9	4.05	—	—	100
Riviera (FL).....	—	—	—	—	230	286.8	18.46	2.10	218	383.9	4.05	—	87	13
Sanford (FL).....	—	—	—	—	206	316.6	20.14	1.96	566	383.9	4.04	—	69	31
Turkey Point (FL).....	—	—	—	—	308	323.7	20.60	1.33	413	383.9	4.05	—	82	18
Florida Power Corp.	515	174.3	44.23	0.84	530	283.1	18.18	1.50	—	—	—	79	21	—
Anclote (FL).....	—	—	—	—	1	446.8	26.40	.45	—	—	—	—	100	—
Bartow (FL).....	—	—	—	—	64	255.1	14.25	2.40	—	—	—	—	100	—
Crystal River (FL).....	354	173.4	44.17	.90	4	477.6	28.18	.37	—	—	—	100	*	—
IMT Transfer (LA).....	160	176.4	44.36	.70	—	—	—	—	—	—	—	100	—	—
Storage Facility #1.....	—	—	—	—	460	284.4	18.61	1.38	—	—	—	—	100	—
Fort Pierce City of	—	—	—	—	—	—	—	—	150	462.8	4.89	—	—	100
H D King (FL).....	—	—	—	—	—	—	—	—	150	462.8	4.89	—	—	100
Fremont City of	12	91.5	15.62	.24	—	—	—	—	4	329.0	3.29	98	—	2
Wright (NE).....	12	91.5	15.62	.24	—	—	—	—	4	329.0	3.29	98	—	2
Gainesville City of	37	167.0	43.93	.57	—	—	—	—	72	701.1	7.40	93	—	7
Deerhaven (FL).....	37	167.0	43.93	.57	—	—	—	—	72	701.1	7.40	93	—	7
Jr Kelly (FL).....	—	—	—	—	—	—	—	—	*	702.2	7.41	—	—	100
Garland City of	—	—	—	—	—	—	—	—	462	314.3	3.19	—	—	100
Newman (TX).....	—	—	—	—	—	—	—	—	2	341.9	3.50	—	—	100
Olinger (TX).....	—	—	—	—	—	—	—	—	460	314.2	3.19	—	—	100
Georgia Power Co	2,021	161.2	37.77	.82	21	458.9	26.69	.50	19	453.6	4.67	100	*	*
Arkwright (GA).....	—	—	—	—	—	—	—	—	1	100.1	1.03	—	—	100
Atkinson-McDonough (GA).....	59	134.9	34.13	1.09	—	—	—	—	18	471.1	4.85	99	—	1
Bowen (GA).....	578	140.7	34.45	.89	—	—	—	—	—	—	—	100	—	—
Hammond (GA).....	94	148.3	38.79	.81	1	460.5	26.79	.50	—	—	—	100	*	—
Harlee Branch (GA).....	227	158.8	38.87	1.39	1	460.7	26.80	.50	—	—	—	100	*	—
Mcmanus (GA).....	—	—	—	—	9	462.1	26.88	.50	—	—	—	—	100	—
Mitchell (GA).....	—	—	—	—	7	451.7	26.28	.50	—	—	—	—	100	—
Scherer (GA).....	730	178.4	37.40	.51	3	460.4	26.78	.50	—	—	—	100	*	—
Wansley (GA).....	276	181.0	45.52	.96	—	—	—	—	—	—	—	100	—	—
Yates (GA).....	57	142.8	36.25	.98	2	469.2	27.29	.50	—	—	—	99	1	—
Glendale City of	—	—	—	—	—	—	—	—	88	351.0	3.58	—	—	100
Glendale (CA).....	—	—	—	—	—	—	—	—	88	351.0	3.58	—	—	100
Grand Haven City of	36	137.4	32.56	2.57	—	—	—	—	2	485.4	4.85	100	—	*
J B Simms (MI).....	36	137.4	32.56	2.57	—	—	—	—	2	485.4	4.85	100	—	*
Grand Island City of	11	74.2	12.74	.30	—	—	—	—	35	416.8	4.17	84	—	16
Burdick (NE).....	—	—	—	—	—	—	—	—	35	416.8	4.17	—	—	100
Platte (NE).....	11	74.2	12.74	.30	—	—	—	—	—	—	—	100	—	—
Grand River Dam Authority	313	87.5	14.62	.30	—	—	—	—	17	373.8	3.75	100	—	*
GRDA No 1 (OK).....	313	87.5	14.62	.30	—	—	—	—	17	373.8	3.75	100	—	*
Greenville City of	—	—	—	—	—	—	—	—	3	295.0	2.95	—	—	100
Power Lane (TX).....	—	—	—	—	—	—	—	—	3	295.0	2.95	—	—	100
Gulf Power Co	263	191.8	46.01	1.75	1	449.3	26.14	.45	2	328.9	3.29	100	*	*
Crist (FL).....	160	199.6	48.12	1.15	1	443.3	25.79	.45	2	328.9	3.29	100	*	*
Smith (FL).....	103	179.5	42.72	2.70	*	456.8	26.57	.45	—	—	—	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, November 1997 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Gulf States Utilities Co	217	128.3	22.46	0.47	—	—	—	—	11,571	329.6	3.44	24	—	76
Lewis Creek (TX)	—	—	—	—	—	—	—	—	1,732	321.7	3.47	—	—	100
Nelson (LA)	217	128.3	22.46	.47	—	—	—	—	525	296.6	3.05	88	—	12
Sabine (TX)	—	—	—	—	—	—	—	—	7,029	329.4	3.42	—	—	100
Willow Glen (LA)	—	—	—	—	—	—	—	—	2,284	343.7	3.59	—	—	100
Hamilton City of	12	142.5	35.43	.70	—	—	—	—	4	292.1	3.02	99	—	1
Hamilton (OH)	12	142.5	35.43	.70	—	—	—	—	4	292.1	3.02	99	—	1
Hastings City of	18	59.3	10.12	.38	—	—	—	—	—	—	—	100	—	—
Hastings (NE)	18	59.3	10.12	.38	—	—	—	—	—	—	—	100	—	—
Hawaiian Electric Co Inc	—	—	—	—	619	347.3	21.80	0.41	—	—	—	—	100	—
Kahe (HI)	—	—	—	—	115	344.5	21.67	.35	—	—	—	—	100	—
Storage Facility #1	—	—	—	—	504	348.0	21.83	.42	—	—	—	—	100	—
Holland City of	14	182.0	46.21	.85	—	—	—	—	1	277.0	2.85	100	—	*
James De Young (MI)	14	182.0	46.21	.85	—	—	—	—	1	277.0	2.85	100	—	*
Holyoke Water Power Co	63	174.8	45.96	1.27	1	461.4	26.70	.27	—	—	—	100	*	—
Mount Tom (MA)	63	174.8	45.96	1.27	1	461.4	26.70	.27	—	—	—	100	*	—
Hoosier Energy R E C Inc	356	123.0	26.73	2.79	—	—	—	—	—	—	—	100	—	—
Frank E Ratts (IN)	60	136.0	29.87	1.34	—	—	—	—	—	—	—	100	—	—
Merom (IN)	296	120.3	26.10	3.09	—	—	—	—	—	—	—	100	—	—
Houston Lighting & Power Co	1,490	142.3	21.68	1.15	—	—	—	—	10,014	322.3	3.29	69	—	31
Bertron (TX)	—	—	—	—	—	—	—	—	242	324.1	3.32	—	—	100
Cedar Bayou (TX)	—	—	—	—	—	—	—	—	4,432	321.4	3.28	—	—	100
Deepwater (TX)	—	—	—	—	—	—	—	—	25	324.1	3.32	—	—	100
Limestone (TX)	730	74.1	9.70	1.90	—	—	—	—	102	326.5	3.33	99	—	1
Parish (TX)	760	191.8	33.19	.42	—	—	—	—	434	321.3	3.30	97	—	3
Robinson (TX)	—	—	—	—	—	—	—	—	2,825	322.5	3.29	—	—	100
Storage Facility #2	—	—	—	—	—	—	—	—	801	324.1	3.32	—	—	100
Webster (TX)	—	—	—	—	—	—	—	—	7	318.6	3.22	—	—	100
Wharton (TX)	—	—	—	—	—	—	—	—	1,146	324.1	3.29	—	—	100
Illinois Power Co	580	116.5	25.54	2.08	2	475.8	27.98	.30	127	283.5	2.90	99	*	1
Baldwin (IL)	310	105.6	22.74	2.81	2	475.8	27.98	.30	—	—	—	100	*	—
Havana (IL)	141	135.4	30.54	.50	—	—	—	—	1	449.6	4.50	100	—	*
Hennepin (IL)	70	121.1	25.93	2.77	—	—	—	—	10	303.5	3.12	99	—	1
Vermilion (IL)	21	107.8	22.57	1.75	—	—	—	—	8	399.1	4.11	98	—	2
Wood River (IL)	38	127.2	30.67	.87	—	—	—	—	108	271.8	2.78	89	—	11
Imperial Irrigation District	—	—	—	—	—	—	—	—	100	369.8	3.73	—	—	100
El Centro (CA)	—	—	—	—	—	—	—	—	100	369.8	3.73	—	—	100
Independence City of	5	124.5	26.71	3.00	—	—	—	—	1	512.3	4.98	99	—	1
Blue Valley (MO)	5	124.5	26.71	3.00	—	—	—	—	1	512.3	4.98	99	—	1
Indiana & Michigan Electric Co	976	111.4	20.54	.37	3	536.7	31.17	—	—	—	—	100	*	—
Rockport (IN)	835	106.3	18.47	.26	—	—	—	—	—	—	—	100	—	—
Tanners Creek (IN)	141	132.3	32.77	1.04	3	536.7	31.17	—	—	—	—	100	*	—
Indiana-Kentucky Electric Corp	396	112.9	23.17	.86	*	542.3	30.98	.30	—	—	—	100	*	—
Clifty Creek (IN)	396	112.9	23.17	.86	*	542.3	30.98	.30	—	—	—	100	*	—
Indianapolis Power & Light Co	671	96.4	21.25	2.19	7	455.6	26.35	.22	—	—	—	100	*	—
Petersburg (IN)	462	91.1	20.08	2.61	4	460.6	26.60	.35	—	—	—	100	*	—
Pritchard (IN)	50	99.1	21.69	1.22	—	—	—	—	—	—	—	100	—	—
Stout (IN)	159	111.0	24.51	1.25	3	449.0	26.01	.04	—	—	—	100	*	—
Interstate Power Co	87	170.5	33.21	.84	2	469.6	27.61	—	3	386.8	3.92	99	1	*
Dubuque (IA)	20	108.7	23.08	2.48	—	—	—	—	*	653.2	6.53	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, November 1997 (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			
Interstate Power Co														
Fox Lake (MN).....	—	—	—	—	—	—	—	—	1	339.7	3.40	—	—	100
Kapp (IA).....	21	132.1	30.56	0.54	—	—	—	—	2	388.3	3.97	100	—	*
Lansing (IA).....	45	229.4	38.99	.25	2	469.6	27.61	—	—	—	—	98	2	—
IES Utilities.....	364	104.6	17.59	.41	1	468.4	27.54	—	179	399.9	4.00	97	*	3
Burlington (IA).....	62	88.8	14.85	.38	—	—	—	—	—	—	—	100	—	—
Ottumwa (IA).....	195	114.5	19.10	.42	1	468.4	27.54	—	—	—	—	100	*	—
Prairie Creek (IA).....	62	95.0	15.85	.38	—	—	—	—	16	487.4	4.87	98	—	2
Sutherland (IA).....	35	77.5	13.19	.36	—	—	—	—	46	411.3	4.11	93	—	7
6th St (IA).....	10	153.4	31.39	.54	—	—	—	—	117	383.4	3.83	64	—	36
Jacksonville Electric Auth.....	202	158.8	38.80	1.04	161	294.0	18.69	1.57	205	352.9	3.72	80	17	3
Kennedy (FL).....	—	—	—	—	—	—	—	—	1	352.9	3.72	—	—	100
Northside (FL).....	—	—	—	—	154	287.7	18.35	1.62	179	352.9	3.72	—	84	16
Southside (FL).....	—	—	—	—	—	—	—	—	24	352.9	3.72	—	—	100
St Johns River (FL).....	202	158.8	38.80	1.04	7	455.3	26.58	.35	—	—	—	99	1	—
Jamestown City of.....	11	130.8	32.96	1.89	—	—	—	—	—	—	—	100	—	—
Samuel A Carlson (NY).....	11	130.8	32.96	1.89	—	—	—	—	—	—	—	100	—	—
Kansas City City of.....	126	93.0	16.47	.42	5	448.5	25.99	.50	139	341.9	3.39	93	1	6
Kaw (KS).....	—	—	—	—	—	—	—	—	2	214.8	2.13	—	—	100
Nearman (KS).....	94	78.0	12.89	.39	1	445.4	25.82	.50	—	—	—	100	*	—
Quindaro (KS).....	33	126.9	26.82	.50	4	449.5	26.05	.50	137	343.6	3.41	81	3	16
Kansas City Power & Light Co.....	932	73.1	12.66	.47	—	—	—	—	72	335.5	3.35	100	—	*
Hawthorne (MO).....	135	67.8	11.89	.40	—	—	—	—	72	335.5	3.35	97	—	3
Iatan (MO).....	175	77.1	13.43	.39	—	—	—	—	—	—	—	100	—	—
La Cygne (KS).....	493	67.5	11.65	.58	—	—	—	—	—	—	—	100	—	—
Montrose (MO).....	129	94.0	16.29	.26	—	—	—	—	—	—	—	100	—	—
Kansas Gas & Electric Co.....	—	—	—	—	12	289.0	19.18	1.10	1,177	283.5	2.93	—	6	94
Evans (KS).....	—	—	—	—	—	—	—	—	708	283.5	2.97	—	—	100
Gill (KS).....	—	—	—	—	12	289.0	19.18	1.10	469	283.5	2.88	—	14	86
Kansas Power & Light Co.....	674	122.8	21.78	.40	20	429.5	26.61	.53	60	318.5	3.25	98	1	1
Hutchinson (KS).....	—	—	—	—	10	393.0	25.91	1.00	26	291.3	3.02	—	71	29
Jeffrey Energy Cnt (KS).....	561	118.2	19.82	.39	10	471.0	27.30	.06	—	—	—	99	1	—
Lawrence (KS).....	87	139.8	31.54	.44	—	—	—	—	10	325.5	3.24	100	—	*
Tecumseh (KS).....	26	139.3	31.43	.44	—	—	—	—	24	345.8	3.50	96	—	4
Kentucky Power Co.....	247	107.7	26.53	1.20	1	424.5	24.74	—	—	—	—	100	*	—
Big Sandy (KY).....	247	107.7	26.53	1.20	1	424.5	24.74	—	—	—	—	100	*	—
Kentucky Utilities Co.....	581	113.2	27.38	1.55	6	542.9	31.92	.40	—	—	—	100	*	—
Brown (KY).....	134	118.0	28.51	1.15	6	542.9	31.92	.40	—	—	—	99	1	—
Ghent (KY).....	404	112.2	27.22	1.60	—	—	—	—	—	—	—	100	—	—
Green River (KY).....	36	105.5	24.50	2.62	—	—	—	—	—	—	—	100	—	—
Tyrone (KY).....	8	115.5	29.60	.83	—	—	—	—	—	—	—	100	—	—
Lafayette City of.....	—	—	—	—	—	—	—	—	238	262.0	2.82	—	—	100
Bonin (LA).....	—	—	—	—	—	—	—	—	238	262.0	2.82	—	—	100
Lake Worth City of.....	—	—	—	—	—	—	—	—	75	354.0	3.74	—	—	100
Tom G Smith (FL).....	—	—	—	—	—	—	—	—	75	354.0	3.74	—	—	100
Lakeland City of.....	66	170.5	43.85	1.30	—	—	—	—	240	542.1	5.74	87	—	13
Larsen Mem (FL).....	—	—	—	—	—	—	—	—	228	542.1	5.74	—	—	100
Plant 3-Mcintosh (FL).....	66	170.5	43.85	1.30	—	—	—	—	12	542.1	5.74	99	—	1
Lansing City of.....	81	159.5	37.73	.78	1	421.0	24.40	.30	—	—	—	100	*	—
Eckert (MI).....	34	155.9	33.48	.58	*	421.0	24.40	.30	—	—	—	100	*	—
Erickson (MI).....	46	161.7	40.90	.93	*	421.0	24.40	.30	—	—	—	100	*	—

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, November 1997 (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			
Long Island Lighting Co.	—	—	—	—	902	308.3	19.68	0.93	3,295	359.7	3.66	—	63	37
Barrett (NY).....	—	—	—	—	—	—	—	—	891	375.8	3.90	—	—	100
Far Rockaway (NY).....	—	—	—	—	—	—	—	—	31	421.0	4.35	—	—	100
Glenwood (NY).....	—	—	—	—	—	—	—	—	209	361.2	3.74	—	—	100
Northport (NY).....	—	—	—	—	717	311.1	19.90	.94	1,941	355.1	3.58	—	70	30
Port Jefferson (NY).....	—	—	—	—	185	297.4	18.80	.92	223	322.4	3.25	—	84	16
Los Angeles City of	452	132.6	30.70	0.55	—	—	—	—	516	787.1	8.04	95	—	5
Harbor (CA).....	—	—	—	—	—	—	—	—	43	787.1	8.03	—	—	100
Haynes (CA).....	—	—	—	—	—	—	—	—	200	787.1	7.90	—	—	100
Intermountain (UT).....	452	132.6	30.70	.55	—	—	—	—	—	—	—	100	—	—
Scattergood (CA).....	—	—	—	—	—	—	—	—	273	787.1	8.14	—	—	100
Louisiana Power & Light Co.	—	—	—	—	3	274.3	17.80	1.00	6,117	368.2	3.81	—	*	100
Little Gypsy (LA).....	—	—	—	—	—	—	—	—	692	351.9	3.62	—	—	100
Nine Mile (LA).....	—	—	—	—	—	—	—	—	4,512	367.7	3.81	—	—	100
Sterlington (LA).....	—	—	—	—	—	—	—	—	206	315.6	3.27	—	—	100
Waterford (LA).....	—	—	—	—	3	274.3	17.80	1.00	706	403.3	4.19	—	3	97
Louisville Gas & Electric Co.	643	93.6	21.37	3.31	2	526.3	30.95	.25	41	408.9	4.19	100	*	*
Cane Run (KY).....	117	101.4	23.58	3.07	—	—	—	—	25	408.9	4.19	99	—	1
Mill Creek (KY).....	379	92.1	21.00	3.08	—	—	—	—	16	408.9	4.19	100	—	*
Trimble County (KY).....	146	91.1	20.58	4.10	2	526.3	30.95	.25	—	—	—	100	*	—
Lower Colorado River Authority	415	95.4	16.32	.37	—	—	—	—	2,971	300.7	3.05	70	—	30
Gideon (TX).....	—	—	—	—	—	—	—	—	2,894	301.1	3.05	—	—	100
S Seymour-Fayette (TX).....	415	95.4	16.32	.37	—	—	—	—	—	—	—	100	—	—
T C Ferguson (TX).....	—	—	—	—	—	—	—	—	77	285.0	2.89	—	—	100
Lubbock City of	—	—	—	—	—	—	—	—	404	258.5	2.60	—	—	100
Holly Ave (TX).....	—	—	—	—	—	—	—	—	402	257.9	2.60	—	—	100
Plant 2 (TX).....	—	—	—	—	—	—	—	—	1	430.0	4.34	—	—	100
Madison Gas & Electric Co.	7	133.1	28.50	1.34	—	—	—	—	72	374.8	3.75	68	—	32
Blount (WI).....	7	133.1	28.50	1.34	—	—	—	—	72	374.8	3.75	68	—	32
Manitowoc Public Utilities	3	188.2	48.98	.85	—	—	—	—	—	—	—	100	—	—
Manitowoc (WI).....	3	188.2	48.98	.85	—	—	—	—	—	—	—	100	—	—
Marquette City of	23	131.1	24.71	.28	—	—	—	—	—	—	—	100	—	—
Shiras (MI).....	23	131.1	24.71	.28	—	—	—	—	—	—	—	100	—	—
Massachusetts Mun Wholes El Co	—	—	—	—	—	—	—	—	229	359.3	3.68	—	—	100
Stonybrook (MA).....	—	—	—	—	—	—	—	—	229	359.3	3.68	—	—	100
Medina Electric Coop Inc.	—	—	—	—	—	—	—	—	4	348.0	3.94	—	—	100
Pearsall (TX).....	—	—	—	—	—	—	—	—	4	348.0	3.94	—	—	100
Metropolitan Edison Co.	89	141.3	36.82	.97	—	—	—	—	—	—	—	100	—	—
Portland (PA).....	46	142.0	36.98	1.11	—	—	—	—	—	—	—	100	—	—
Titus (PA).....	43	140.6	36.66	.82	—	—	—	—	—	—	—	100	—	—
Michigan South Central Pwr Agcy	5	154.3	37.83	3.28	—	—	—	—	—	—	—	100	—	—
Project I (MI).....	5	154.3	37.83	3.28	—	—	—	—	—	—	—	100	—	—
MidAmerican Energy	806	78.5	13.35	.38	—	—	—	—	55	461.4	4.68	100	—	*
Council Bluffs (IA).....	140	83.2	13.98	.42	—	—	—	—	4	472.3	4.77	100	—	*
George Neal 1-4 (IA).....	389	56.8	9.80	.38	—	—	—	—	22	457.5	4.63	100	—	*
Louisa (IA).....	265	108.7	18.19	.38	—	—	—	—	9	418.7	4.30	100	—	*
Riverside (IA).....	12	84.4	14.11	.33	—	—	—	—	19	484.4	4.91	91	—	9
Minnesota Power & Light Co.	344	109.5	19.82	.57	1	503.3	28.96	.20	—	—	—	100	*	—
Boswell Energy Center (MN).....	311	109.3	19.72	.59	1	503.3	28.96	.20	—	—	—	100	*	—
Laskin Energy Center (MN).....	33	110.9	20.82	.38	—	—	—	—	—	—	—	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, November 1997 (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	
	(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 Corp Inc	255	76.3	10.13	0.87		7	414.3	24.36	0.40		—	—	—	99
Young (ND).....	255	76.3	10.13	.87		7	414.3	24.36	.40		—	—	—	99
Mississippi Power & Light Co	—	—	—	—		828	258.4	17.10	2.73		1,310	343.7	3.52	80
Brown (MS).....	—	—	—	—		—	—	—	—		52	311.6	3.17	100
Delta (MS).....	—	—	—	—		—	—	—	—		17	368.8	3.82	100
Gerald Andrus (MS).....	—	—	—	—		372	259.7	17.08	2.99		—	—	—	100
Wilson (MS).....	—	—	—	—		457	257.4	17.12	2.51		1,241	344.8	3.53	71
Mississippi Power Co	344	147.8	30.57	.65		2	425.7	24.82	.39		20	292.6	3.10	100
Daniel (MS).....	187	151.6	28.52	.35		2	425.7	24.82	.39		—	—	—	100
Sweatt (MS).....	—	—	—	—		—	—	—	—		4	313.7	3.22	100
Watson (MS).....	157	144.1	33.01	1.01		—	—	—	—		16	287.0	3.07	100
Monongahela Power Co	846	109.4	27.36	2.78		4	472.1	27.96	.30		46	299.7	3.00	100
Albright (WV).....	22	104.2	27.29	1.70	*	—	487.7	28.88	.30		—	—	—	100
Ft Martin (WV).....	243	122.2	30.22	1.25		2	453.0	26.83	.30		—	—	—	100
Harrison (WV).....	312	114.1	28.85	3.27		1	498.9	29.54	.30		14	334.2	3.34	100
Pleasants (WV).....	220	86.4	21.23	4.18	*	—	480.7	28.47	.30		27	282.8	2.83	99
Rivesville (WV).....	3	126.4	32.17	1.05	*	—	485.7	28.76	.30		—	—	—	97
Willow Island (WV).....	47	118.7	31.23	1.50	*	—	558.6	33.08	.30		5	294.2	2.94	100
Montana Power Co	813	70.0	11.84	.70	*	—	550.3	32.59	—		2	992.7	10.30	100
Colstrip (MT).....	734	71.3	12.10	.76	*	—	550.3	32.59	—		—	—	—	100
Corette (MT).....	79	57.1	9.43	.22	—	—	—	—	—		2	992.7	10.30	100
Montana-Dakota Utilities Co	204	91.2	12.62	1.02	—	—	—	—	—		2	297.8	3.53	100
Coyote (ND).....	157	85.4	11.77	1.06	—	—	—	—	—		—	—	—	100
Heskett (ND).....	43	111.7	15.70	.94	—	—	—	—	—		*	472.2	5.07	100
Lewis and Clark (MT).....	4	93.0	12.88	.51	—	—	—	—	—		2	292.4	3.47	96
Montaup Electric Co	44	180.0	45.55	.72		1	451.2	26.42	.29		—	—	—	99
Somerset (MA).....	44	180.0	45.55	.72		1	451.2	26.42	.29		—	—	—	99
Morgan City City of	—	—	—	—	—	—	—	—	—		97	335.0	3.65	—
Morgan City (LA).....	—	—	—	—	—	—	—	—	—		97	335.0	3.65	—
Muscatine City of	125	93.9	17.12	1.22	—	—	—	—	—		1	417.0	4.25	100
Muscatine (IA).....	125	93.9	17.12	1.22	—	—	—	—	—		1	417.0	4.25	100
Nebraska Public Power District	460	49.9	8.68	.26	*	—	504.3	29.26	—		15	517.9	5.18	100
Gerald Gentleman (NE).....	401	46.4	8.02	.26	*	—	504.3	29.26	—		15	517.9	5.18	100
Sheldon (NE).....	59	72.1	13.20	.29	—	—	—	—	—		—	—	—	100
Nevada Power Co	108	102.1	23.82	.58	*	—	572.4	33.44	.30		120	422.0	4.33	95
Clark (NV).....	—	—	—	—	—	—	—	—	—		120	422.0	4.33	—
Gardner (NV).....	108	102.1	23.82	.58	*	—	572.4	33.44	.30		—	—	—	100
New England Power Co	350	165.7	41.94	.70		320	297.0	18.74	2.07		2,518	392.6	4.05	66
Brayton (MA).....	237	167.5	42.37	.71	—	—	—	—	—		30	386.1	3.98	99
Manchester St (RI).....	—	—	—	—	—	—	—	—	—		2,488	392.7	4.05	—
Salem Harbor (MA).....	112	161.9	41.03	.67		320	297.0	18.74	2.07		—	—	—	59
New Orleans Public Service Inc	—	—	—	—		51	272.4	17.82	1.50		1,175	328.6	3.45	—
Michoud (LA).....	—	—	—	—		51	272.4	17.82	1.50		1,175	328.6	3.45	—
New York State Elec & Gas Corp	270	132.7	34.83	2.60		1	507.5	29.20	.14		—	—	—	100
Goudey (NY).....	31	141.2	37.47	1.96	—	—	—	—	—		—	—	—	100
Greenidge (NY).....	20	143.9	37.72	1.40	—	—	—	—	—		—	—	—	100
Jennison (NY).....	10	161.6	41.29	1.54	—	—	—	—	—		—	—	—	100
Kintigh (NY).....	159	128.3	33.69	2.81	*	—	478.8	27.55	.14		—	—	—	100
Milliken (NY).....	51	131.6	34.47	2.95		1	521.9	30.03	.14		—	—	—	100
Niagara Mohawk Power Corp	268	135.6	35.54	1.86		3	456.9	26.59	.40		878	389.8	3.97	89

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, November 1997 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Niagara Mohawk Power Corp														
Albany (NY).....	—	—	—	—	—	—	—	—	131	350.8	3.60	—	—	100
Dunkirk (NY).....	127	128.9	33.90	2.05	2	445.9	26.07	0.38	—	—	—	100	*	—
Huntley (NY).....	142	141.6	37.01	1.70	2	466.7	27.05	.41	—	—	—	100	*	—
Oswego (NY).....	—	—	—	—	—	—	—	—	747	396.7	4.04	—	—	100
Northern Indiana Pub Serv Co	703	130.8	26.37	1.60	—	—	—	—	59	404.8	4.13	100	—	*
Bailly (IN).....	117	145.2	31.58	2.64	—	—	—	—	4	475.2	4.85	100	—	*
Michigan City (IN).....	68	124.5	24.35	1.39	—	—	—	—	20	416.3	4.25	98	—	2
Mitchell (IN).....	82	128.1	23.01	.39	—	—	—	—	22	356.8	3.64	98	—	2
Rollin Schaffer (IN).....	437	128.1	25.92	1.59	—	—	—	—	13	447.8	4.57	100	—	*
Northern States Power Co	939	95.7	16.85	.42	—	—	—	—	61	400.6	4.05	100	—	*
Bay Front (WI).....	7	169.5	40.94	.69	—	—	—	—	42	421.7	4.25	79	—	21
Black Dog (MN).....	59	105.8	18.59	.23	—	—	—	—	3	377.0	3.83	100	—	*
High Bridge (MN).....	24	96.3	17.01	.19	—	—	—	—	12	341.4	3.48	97	—	3
King (MN).....	182	108.3	19.08	.28	—	—	—	—	1	341.4	3.48	100	—	*
Riverside (MN).....	72	95.6	16.88	.21	—	—	—	—	3	388.3	3.94	100	—	*
Sherburne County (MN).....	595	89.7	15.71	.51	—	—	—	—	—	—	—	100	—	—
Ohio Edison Co	538	116.4	27.91	1.46	1	434.9	25.17	.30	21	370.0	3.84	100	*	*
Burger (OH).....	59	102.6	24.87	2.35	—	—	—	—	—	—	—	100	—	—
Edgewater (OH).....	—	—	—	—	—	—	—	—	21	370.0	3.84	—	—	100
Niles (OH).....	37	101.9	25.08	3.08	*	447.6	25.92	.21	—	—	—	100	*	—
Sammis (OH).....	441	119.6	28.56	1.20	1	429.8	24.86	.33	—	—	—	100	*	—
Ohio Power Co	1,114	148.7	34.98	2.61	29	451.5	26.26	—	—	—	—	99	1	—
Gavin (OH).....	457	149.5	33.55	3.46	12	432.4	25.09	—	—	—	—	99	1	—
Kammer (WV).....	154	86.4	21.37	3.37	1	514.6	29.99	—	—	—	—	100	*	—
Mitchell (WV).....	233	146.1	35.73	.75	12	466.4	27.22	—	—	—	—	99	1	—
Muskingum (OH).....	270	186.8	44.55	2.33	5	453.6	26.27	—	—	—	—	100	*	—
Ohio Valley Electric Corp	292	109.1	27.12	2.55	—	—	—	—	—	—	—	100	—	—
Kyger Creek (OH).....	292	109.1	27.12	2.55	—	—	—	—	—	—	—	100	—	—
Oklahoma Gas & Electric Co	617	80.0	13.83	.32	—	—	—	—	3,147	406.7	4.22	77	—	23
Horseshoe Lake (OK).....	—	—	—	—	—	—	—	—	316	406.7	4.22	—	—	100
Muskogee (OK).....	318	80.9	13.93	.31	—	—	—	—	14	406.7	4.22	100	—	*
Mustang (OK).....	—	—	—	—	—	—	—	—	437	406.7	4.22	—	—	100
Seminole (OK).....	—	—	—	—	—	—	—	—	2,379	406.7	4.22	—	—	100
Sooner (OK).....	299	79.0	13.72	.33	—	—	—	—	—	—	—	100	—	—
Omaha Public Power District	255	68.3	11.54	.64	5	443.0	25.59	.20	11	386.1	3.85	99	1	*
Nebraska City (NE).....	12	69.7	11.47	.22	5	443.0	25.59	.20	—	—	—	87	13	—
North Omaha (NE).....	243	68.3	11.54	.66	—	—	—	—	11	386.1	3.85	100	—	*
Orange & Rockland Utils Inc	59	188.7	48.53	.59	101	338.7	20.74	.18	1,786	389.6	4.03	38	16	46
Bowline (NY).....	—	—	—	—	101	338.7	20.74	.18	1,546	386.4	4.00	—	28	72
Lovett (NY).....	59	188.7	48.53	.59	—	—	—	—	240	410.6	4.25	86	—	14
Orlando Utilities Comm	163	172.7	44.20	1.48	59	324.1	20.32	.98	71	469.2	4.81	90	8	2
Indian River (FL).....	—	—	—	—	59	324.1	20.32	.98	71	469.2	4.81	—	84	16
Stanton Energy (FL).....	163	172.7	44.20	1.48	—	—	—	—	—	—	—	100	—	—
Orrville City of	13	98.0	22.49	3.49	—	—	—	—	—	—	—	100	—	—
Orrville (OH).....	13	98.0	22.49	3.49	—	—	—	—	—	—	—	100	—	—
Otter Tail Power Co	228	95.0	16.77	.57	*	491.4	28.89	.31	—	—	—	100	*	—
Big Stone (SD).....	192	89.3	15.62	.61	—	—	—	—	—	—	—	100	—	—
Hoot Lake (MN).....	36	123.4	22.90	.35	*	491.4	28.89	.31	—	—	—	100	*	—
Owensboro City of	86	97.2	21.21	3.17	1	446.3	26.24	—	—	—	—	100	*	—
Smith (KY).....	86	97.2	21.21	3.17	1	446.3	26.24	—	—	—	—	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, November 1997 (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			
Pacific Gas & Electric Co.....	—	—	—	—	—	—	—	—	10,720	333.9	3.44	—	—	100
Contra Costa (CA).....	—	—	—	—	—	—	—	—	648	333.9	3.43	—	—	100
Humboldt Bay (CA).....	—	—	—	—	—	—	—	—	251	333.9	3.44	—	—	100
Hunters Point (CA).....	—	—	—	—	—	—	—	—	1,113	333.9	3.42	—	—	100
Morro Bay (CA).....	—	—	—	—	—	—	—	—	1,543	333.9	3.43	—	—	100
Moss Landing (CA).....	—	—	—	—	—	—	—	—	2,987	333.9	3.43	—	—	100
Pittsburg (CA).....	—	—	—	—	—	—	—	—	4,161	333.9	3.46	—	—	100
Potrero (CA).....	—	—	—	—	—	—	—	—	16	333.9	3.42	—	—	100
PacifiCorp.....	2,449	93.2	17.58	0.55	3	551.2	32.41	0.30	15	328.5	3.43	100	*	*
Carbon (UT).....	46	58.1	13.70	.44	—	—	—	—	—	—	—	100	—	—
Centralia (WA).....	437	140.7	22.62	.59	1	548.5	32.25	.30	—	—	—	100	*	—
Emery-Hunter (UT).....	371	79.5	18.09	.42	1	602.9	35.45	.30	—	—	—	100	*	—
Huntington (UT).....	209	65.7	15.09	.44	—	—	—	—	—	—	—	100	—	—
Jim Bridger (WY).....	699	107.5	20.70	.57	—	—	—	—	—	—	—	100	—	—
Johnston (WY).....	360	46.8	7.28	.47	1	502.1	29.52	.30	—	—	—	100	*	—
Naughton (WY).....	160	119.6	23.30	.93	—	—	—	—	15	328.5	3.43	99	—	1
Wyodak (WY).....	167	69.4	11.14	.56	—	—	—	—	—	—	—	100	—	—
Painesville City of.....	4	142.3	35.37	2.09	—	—	—	—	*	565.8	5.66	100	—	*
Painesville (OH).....	4	142.3	35.37	2.09	—	—	—	—	*	565.8	5.66	100	—	*
Pasadena City of.....	—	—	—	—	—	—	—	—	125	410.8	4.19	—	—	100
Broadway (CA).....	—	—	—	—	—	—	—	—	125	410.8	4.19	—	—	100
Pennsylvania Electric Co.....	1,411	121.4	29.06	1.98	5	437.8	25.52	.05	2	290.2	2.99	100	*	*
Conemaugh (PA).....	332	114.0	28.15	2.32	—	—	—	—	2	290.2	2.99	100	—	*
Homer City (PA).....	480	122.6	27.72	1.95	3	429.1	25.01	.05	—	—	—	100	*	—
Keystone (PA).....	409	129.0	31.86	1.82	—	—	—	—	—	—	—	100	—	—
Seward (PA).....	13	109.8	25.61	1.42	1	444.2	25.90	.05	—	—	—	98	2	—
Shawville (PA).....	153	114.1	27.88	1.79	1	453.0	26.41	.05	—	—	—	100	*	—
Warren (PA).....	23	125.9	30.32	1.80	—	—	—	—	—	—	—	100	—	—
Pennsylvania Power & Light Co.....	641	142.2	35.79	1.79	13	458.6	27.29	.15	5	357.7	3.70	99	*	*
Brunner Island (PA).....	223	154.2	40.40	1.71	6	457.3	27.91	.19	—	—	—	99	1	—
Holtwood (PA).....	15	85.5	14.20	.63	—	—	—	—	—	—	—	100	—	—
Martins Creek (PA).....	51	94.3	24.78	1.74	—	—	—	—	5	357.7	3.70	100	—	*
Montour (PA).....	283	144.7	36.29	2.02	7	459.8	26.75	.11	—	—	—	99	1	—
Sunbury (PA).....	69	136.5	31.62	1.37	—	—	—	—	—	—	—	100	—	—
Pennsylvania Power Co.....	715	159.0	37.90	3.51	22	430.8	25.07	.04	—	—	—	99	1	—
Bruce Mansfield (PA).....	636	164.8	39.49	3.75	22	430.8	25.07	.04	—	—	—	99	1	—
New Castle (PA).....	79	110.1	25.08	1.59	—	—	—	—	—	—	—	100	—	—
Philadelphia Electric Co.....	99	142.1	37.58	1.54	153	333.2	21.18	.43	106	350.7	3.64	71	26	3
Cromby (PA).....	23	141.1	37.21	1.57	67	345.1	22.07	.55	19	350.7	3.64	57	41	2
Delaware (PA).....	—	—	—	—	1	405.0	23.79	.19	—	—	—	100	—	—
Eddystone (PA).....	76	142.4	37.70	1.53	85	322.9	20.44	.34	87	350.7	3.64	76	20	3
Plains Elec Gen&Trans Coop Inc.....	73	129.3	23.51	.79	—	—	—	—	*	2 2,371.5	19.78	100	—	*
Escalante (NM).....	73	129.3	23.51	.79	—	—	—	—	*	2 2,371.5	19.78	100	—	*
Platte River Power Authority.....	100	74.1	12.98	.23	—	—	—	—	—	—	—	100	—	—
Rawhide (CO).....	100	74.1	12.98	.23	—	—	—	—	—	—	—	100	—	—
Portland General Electric Co.....	119	115.8	20.25	.37	—	—	—	—	1,167	142.0	1.44	64	—	36
Boardman (OR).....	119	115.8	20.25	.37	—	—	—	—	—	—	—	100	—	—
Coyote Springs (OR).....	—	—	—	—	—	—	—	—	1,167	142.0	1.44	—	—	100
Potomac Edison Co.....	15	128.0	31.16	.93	*	435.8	25.81	.30	—	—	—	100	*	—
Smith (MD).....	15	128.0	31.16	.93	*	435.8	25.81	.30	—	—	—	100	*	—
Potomac Electric Power Co.....	441	160.9	41.77	1.32	328	338.4	21.42	.83	65	390.6	4.09	84	15	1
Chalk (MD).....	74	155.6	40.61	1.36	295	330.3	21.10	.89	65	390.6	4.09	50	49	2

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, November 1997 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Potomac Electric Power Co														
Dickerson (MD).....	60	142.6	36.94	1.38	—	—	—	—	—	—	—	100	—	—
Morgantown (MD).....	241	169.5	43.97	1.44	33	417.6	24.30	0.30	—	—	—	97	3	—
Potomac River (VA).....	66	151.9	39.39	.79	—	—	—	—	—	—	—	100	—	—
Power Authority of State of NY.....														
Poletti (NY).....	—	—	—	—	193	335.0	21.27	.29	1,360	435.5	4.45	—	47	53
Richard Flynn (NY).....	—	—	—	—	193	335.0	21.27	.29	575	355.4	3.70	—	67	33
	—	—	—	—	—	—	—	—	785	496.0	5.00	—	—	100
Public Service Co of Colorado.....														
Arapahoe (CO).....	726	81.8	15.74	.38	—	—	—	—	81	405.8	4.04	99	—	1
Cameo (CO).....	47	74.3	13.02	.35	—	—	—	—	39	397.8	3.93	95	—	5
Cherokee (CO).....	23	98.0	21.18	.53	—	—	—	—	2	562.9	5.63	100	—	*
Comanche (CO).....	150	107.3	24.12	.43	—	—	—	—	14	416.6	4.11	100	—	*
Hayden (CO).....	176	79.3	13.72	.25	—	—	—	—	2	567.8	5.64	100	—	*
Pawnee (CO).....	156	53.6	11.38	.42	—	—	—	—	—	—	—	100	—	—
Zuni (CO).....	176	86.5	14.49	.43	—	—	—	—	6	455.8	4.89	100	—	*
	—	—	—	—	—	—	—	—	17	354.8	3.51	—	—	100
Public Service Co of NH.....														
Merrimack (NH).....	173	170.4	44.06	1.37	113	306.2	19.11	1.85	—	—	—	86	14	—
Newington Station (NH).....	143	172.0	44.60	1.38	*	461.7	26.72	.27	—	—	—	100	*	—
Schiller (NH).....	—	—	—	—	113	306.0	19.09	1.85	—	—	—	—	100	—
	30	162.5	41.46	1.33	—	—	—	—	—	—	—	100	—	—
Public Service Co of NM.....														
Reeves (NM).....	488	182.5	33.89	.85	9	556.8	31.80	1.00	8	422.0	4.37	99	1	*
San Juan (NM).....	—	—	—	—	—	—	—	—	8	422.0	4.37	—	—	100
	488	182.5	33.89	.85	9	556.8	31.80	1.00	—	—	—	99	1	—
Public Service Co of Oklahoma.....														
Comanche (CS) (OK).....	270	117.2	19.95	.44	—	—	—	—	5,449	2 400.8	4.12	45	—	55
Northeastern (OK).....	—	—	—	—	—	—	—	—	1,416	2 400.8	4.14	—	—	100
Riverside (OK).....	270	117.2	19.95	.44	—	—	—	—	1,464	2 392.5	4.04	75	—	25
Southwestern (OK).....	—	—	—	—	—	—	—	—	1,770	2 394.8	4.04	—	—	100
Tulsa (OK).....	—	—	—	—	—	—	—	—	768	2 412.5	4.27	—	—	100
	—	—	—	—	—	—	—	—	31	840.1	8.64	—	—	100
Public Service Electric&Gas Co.....														
Bergen (NJ).....	100	163.9	44.50	.74	10	403.7	24.84	.28	695	403.9	4.19	78	2	21
Burlington (NJ).....	—	—	—	—	—	—	—	—	624	403.9	4.19	—	—	100
Hudson (NJ).....	—	—	—	—	—	—	—	—	46	403.9	4.22	—	—	100
Kearny (NJ).....	—	—	—	—	—	—	—	—	1	403.9	3.41	—	—	100
Mercer (NJ).....	—	—	—	—	10	403.7	24.84	.28	—	—	—	—	100	—
	100	163.9	44.50	.74	—	—	—	—	24	403.9	4.21	99	—	1
PSI Energy Inc.....														
Cayuga (IN).....	1,281	114.2	25.52	1.84	24	459.9	26.47	.30	—	—	—	100	*	—
Edwardsport (IN).....	181	128.2	28.01	1.62	3	474.4	27.30	.30	—	—	—	100	*	—
Gallagher (IN).....	10	90.5	20.38	2.53	—	—	—	—	—	—	—	100	—	—
Gibson Station (IN).....	127	106.9	27.85	2.24	3	466.5	26.84	.30	—	—	—	99	1	—
Noblesville (IN).....	755	113.7	25.07	1.90	3	437.3	25.16	.30	—	—	—	100	*	—
Wabash River (IN).....	13	113.3	25.11	2.30	*	454.1	26.28	.30	—	—	—	99	1	—
	195	109.9	23.76	1.49	15	460.1	26.47	.30	—	—	—	98	2	—
Richmond City of.....														
Whitewater (IN).....	20	158.4	34.62	2.33	—	—	—	—	—	—	—	100	—	—
	20	158.4	34.62	2.33	—	—	—	—	—	—	—	100	—	—
Rochester City of.....														
Silver Lake (MN).....	10	159.4	38.58	1.35	—	—	—	—	6	410.3	4.17	97	—	3
	10	159.4	38.58	1.35	—	—	—	—	6	410.3	4.17	97	—	3
Rochester Gas & Electric Corp.....														
Russell Station 7 (NY).....	74	140.9	37.48	2.30	—	—	—	—	—	—	—	100	—	—
	74	140.9	37.48	2.30	—	—	—	—	—	—	—	100	—	—
Ruston City of.....														
Steam Plant (LA).....	—	—	—	—	—	—	—	—	194	308.7	3.20	—	—	100
	—	—	—	—	—	—	—	—	194	308.7	3.20	—	—	100
S Mississippi Elec Pwr Assn.....														
Moselle (MS).....	64	214.3	53.15	.94	—	—	—	—	304	339.6	3.50	83	—	17
R D Morrow (MS).....	—	—	—	—	—	—	—	—	304	339.6	3.50	—	—	100
	64	214.3	53.15	.94	—	—	—	—	—	—	—	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, November 1997 (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			
Sacramento Municipal Utility	—	—	—	—	—	—	—	—	964	253.6	2.54	—	—	100
Central Valley (CA)	—	—	—	—	—	—	—	—	255	241.6	2.42	—	—	100
SCA Cogen Proj (CA)	—	—	—	—	—	—	—	—	708	257.9	2.58	—	—	100
Salt River Proj Ag I & P Dist	839	133.5	28.68	0.51	—	—	—	—	23	794.6	8.09	100	—	*
Coronado (AZ)	166	259.4	52.14	.45	—	—	—	—	—	—	—	100	—	—
Navajo (AZ)	673	104.8	22.88	.53	—	—	—	—	—	—	—	100	—	—
Santan (AZ)	—	—	—	—	—	—	—	—	23	794.6	8.09	—	—	100
San Antonio City of	446	98.8	16.59	.37	—	—	—	—	2,314	316.6	3.21	76	—	24
Braunig (TX)	—	—	—	—	—	—	—	—	845	316.6	3.21	—	—	100
JT Deely/Spruce (TX)	446	98.8	16.59	.37	—	—	—	—	1	316.6	3.22	100	—	*
Sommers (TX)	—	—	—	—	—	—	—	—	1,467	316.6	3.21	—	—	100
Tuttle (TX)	—	—	—	—	—	—	—	—	1	316.6	3.21	—	—	100
San Diego Gas & Electric Co.	—	—	—	—	—	—	—	—	2,895	334.9	3.39	—	—	100
Encina (CA)	—	—	—	—	—	—	—	—	1,702	327.4	3.31	—	—	100
South Bay (CA)	—	—	—	—	—	—	—	—	1,193	345.7	3.50	—	—	100
San Miguel Electric Coop Inc.	317	61.7	6.56	1.75	—	—	—	—	—	—	—	100	—	—
San Miguel (TX)	317	61.7	6.56	1.75	—	—	—	—	—	—	—	100	—	—
Savannah Electric & Power Co.	29	140.1	30.33	.79	1	445.1	25.80	0.50	57	282.2	2.89	91	1	8
Kraft (GA)	—	—	—	—	—	—	—	—	57	282.2	2.89	—	—	100
McIntosh (GA)	29	140.1	30.33	.79	1	445.1	25.80	.50	—	—	—	99	1	—
Seminole Electric Coop Inc.	297	175.4	42.43	2.80	3	462.9	26.88	.27	—	—	—	100	*	—
Seminole (FL)	297	175.4	42.43	2.80	3	462.9	26.88	.27	—	—	—	100	*	—
Sierra Pacific Power Co.	182	153.8	36.42	.53	1	676.7	39.22	.20	2,100	262.2	2.69	67	*	33
Fort Churchill (NV)	—	—	—	—	—	—	—	—	411	262.2	2.70	—	—	100
North Valmy (NV)	182	153.8	36.42	.53	1	676.7	39.22	.20	—	—	—	100	*	—
Pinon Pine (NV)	—	—	—	—	—	—	—	—	486	262.2	2.69	—	—	100
Tracy (NV)	—	—	—	—	—	—	—	—	1,204	262.2	2.69	—	—	100
Sikeston City of	96	98.5	17.24	.36	—	—	—	—	—	—	—	100	—	—
Sikeston (MO)	96	98.5	17.24	.36	—	—	—	—	—	—	—	100	—	—
South Carolina Electric&Gas Co.	440	153.1	39.27	1.13	*	452.2	26.21	.20	1	390.4	4.00	100	*	*
Canadys (SC)	9	152.0	38.78	1.60	—	—	—	—	—	—	—	100	—	—
Cope (SC)	100	149.4	37.49	1.37	—	—	—	—	—	—	—	100	—	—
Mcmeekin (SC)	35	149.4	39.91	1.39	—	—	—	—	—	—	—	100	—	—
Urguhart (SC)	54	147.4	38.65	1.27	—	—	—	—	1	390.4	4.00	100	—	*
Wateree (SC)	80	148.9	37.62	1.27	—	—	—	—	—	—	—	100	—	—
Williams (SC)	162	160.3	41.27	.78	*	452.2	26.21	.20	—	—	—	100	*	—
South Carolina Pub Serv Auth.	459	135.9	35.10	1.32	—	—	—	—	—	—	—	100	—	—
Cross (SC)	67	134.2	34.29	1.23	—	—	—	—	—	—	—	100	—	—
Grainger (SC)	29	150.8	39.77	1.51	—	—	—	—	—	—	—	100	—	—
Jefferies (SC)	130	132.9	35.17	1.48	—	—	—	—	—	—	—	100	—	—
Winyah (SC)	233	136.1	34.72	1.24	—	—	—	—	—	—	—	100	—	—
Southern California Edison Co.	462	124.1	27.34	.53	—	—	—	—	6,767	² 379.3	3.87	60	—	40
Alamitos (CA)	—	—	—	—	—	—	—	—	3,090	382.7	3.86	—	—	100
Cool Water (CA)	—	—	—	—	—	—	—	—	227	375.0	3.91	—	—	100
El Segundo (CA)	—	—	—	—	—	—	—	—	927	383.0	3.97	—	—	100
Etiwanda (CA)	—	—	—	—	—	—	—	—	576	378.0	3.83	—	—	100
Huntington Beach (CA)	—	—	—	—	—	—	—	—	422	393.0	4.05	—	—	100
Long Beach (CA)	—	—	—	—	—	—	—	—	63	372.5	3.80	—	—	100
Mandalay (CA)	—	—	—	—	—	—	—	—	291	376.8	4.02	—	—	100
Mohave (NV)	462	124.1	27.34	.53	—	—	—	—	⁴ 2	1,339.1	13.73	100	—	*
Ormond Beach (CA)	—	—	—	—	—	—	—	—	259	327.1	3.39	—	—	100
Redondo (CA)	—	—	—	—	—	—	—	—	906	371.5	3.83	—	—	100

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, November 1997 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Southern Illinois Power Coop	79	87.2	18.00	3.25	—	—	—	—	—	—	—	100	—	—
Marion (IL).....	79	87.2	18.00	3.25	—	—	—	—	—	—	—	100	—	—
Southern Indiana Gas & Elec Co	200	93.7	21.33	3.23	—	—	—	—	9	400.5	4.12	100	—	*
A B Brown (IN).....	89	87.9	20.12	3.78	—	—	—	—	8	394.8	4.06	100	—	*
Culley (IN).....	76	99.3	22.81	2.85	—	—	—	—	1	432.3	4.44	100	—	*
Warrick (IN).....	35	96.6	21.16	2.64	—	—	—	—	*	473.6	4.87	100	—	*
Southwestern Electric Power Co	961	138.9	21.50	.75	3	326.0	20.19	—	1,753	327.8	3.30	89	*	11
Arsenal Hill (LA).....	—	—	—	—	—	—	—	—	30	314.8	3.17	—	—	100
Flint Creek (AR).....	188	158.4	26.43	.42	—	—	—	—	—	—	—	100	—	—
Knox Lee (TX).....	—	—	—	—	3	326.0	20.19	—	788	316.7	3.28	—	2	98
Pirkey (TX).....	336	105.6	13.59	1.39	—	—	—	—	8	312.3	3.24	100	—	*
Welsh Station (TX).....	437	150.1	25.46	.40	—	—	—	—	—	—	—	100	—	—
Wilkes (TX).....	—	—	—	—	—	—	—	—	927	338.3	3.33	—	—	100
Southwestern Public Service Co	778	193.6	33.56	.37	—	—	—	—	4,217	314.6	3.15	76	—	24
Cunningham (NM).....	—	—	—	—	—	—	—	—	1,123	317.6	3.18	—	—	100
Harrington (TX).....	395	172.4	29.84	.39	—	—	—	—	15	413.4	4.09	100	—	*
Jones (TX).....	—	—	—	—	—	—	—	—	1,267	308.0	3.08	—	—	100
Maddox (NM).....	—	—	—	—	—	—	—	—	283	320.6	3.21	—	—	100
Nichols (TX).....	—	—	—	—	—	—	—	—	1,145	312.2	3.11	—	—	100
Plant X (TX).....	—	—	—	—	—	—	—	—	377	324.8	3.28	—	—	100
Tolk (TX).....	383	215.4	37.40	.35	—	—	—	—	6	413.4	4.16	100	—	*
Springfield City of	137	112.8	20.80	.43	—	—	—	—	74	363.2	3.68	97	—	3
James River (MO).....	83	118.7	22.54	.46	—	—	—	—	5	363.2	3.68	100	—	*
Southwest (MO).....	54	103.0	18.10	.38	—	—	—	—	69	363.2	3.68	93	—	7
Springfield City of	98	106.1	22.14	3.03	—	—	—	—	—	—	—	100	—	—
Dallman (IL).....	94	106.1	22.14	3.03	—	—	—	—	—	—	—	100	—	—
Lakeside (IL).....	5	106.1	22.14	3.03	—	—	—	—	—	—	—	100	—	—
St Joseph Light & Power Co	31	109.8	24.16	3.12	15	275.5	17.94	1.35	36	320.6	3.10	84	12	4
Lakeroad (MO).....	31	109.8	24.16	3.12	15	275.5	17.94	1.35	36	320.6	3.10	84	12	4
Sunflower Electric Coop Inc	34	106.0	17.88	.31	—	—	—	—	20	375.0	3.67	97	—	3
Holcomb (KS).....	34	106.0	17.88	.31	—	—	—	—	20	375.0	3.67	97	—	3
Tacoma Public Utilities	—	—	—	—	*	553.0	32.05	.50	*	489.0	5.16	—	32	68
Steam No.2 (WA).....	—	—	—	—	*	553.0	32.05	.50	*	489.0	5.16	—	32	68
Tallahassee City of	—	—	—	—	—	—	—	—	1,079	340.0	3.58	—	—	100
Hopkins (FL).....	—	—	—	—	—	—	—	—	794	340.0	3.58	—	—	100
Purdum (FL).....	—	—	—	—	—	—	—	—	284	340.0	3.58	—	—	100
Tampa Electric Co	708	155.2	36.04	1.81	23	446.8	25.90	.20	—	—	—	99	1	—
Big Bend (FL).....	—	—	—	—	3	416.3	24.13	.20	—	—	—	—	100	—
Davant Transfer (LA).....	621	141.4	32.42	1.90	—	—	—	—	—	—	—	100	—	—
Gannon (FL).....	87	245.1	61.78	1.23	5	449.0	26.02	.20	—	—	—	99	1	—
Polk Station (FL).....	—	—	—	—	15	453.1	26.26	.20	—	—	—	—	100	—
Taunton City of	—	—	—	—	641	312.7	19.95	1.00	23	389.1	4.01	—	99	1
Cleary (MA).....	—	—	—	—	641	312.7	19.95	1.00	23	389.1	4.01	—	99	1
Tennessee Valley Authority	3,856	113.1	26.45	2.19	8	438.1	25.74	.50	—	—	—	100	*	—
Bull Run (TN).....	196	109.8	28.05	1.38	—	—	—	—	—	—	—	100	—	—
Colbert (AL).....	140	115.2	28.09	1.61	—	—	—	—	—	—	—	100	—	—
Cora Transfer (TN).....	161	98.9	19.46	.51	—	—	—	—	—	—	—	100	—	—
Cumberland (TN).....	654	106.4	24.53	2.85	—	—	—	—	—	—	—	100	—	—
Gallatin (TN).....	68	109.6	27.74	2.47	—	—	—	—	—	—	—	100	—	—
GRT Terminal (TN).....	436	113.4	25.95	1.79	—	—	—	—	—	—	—	100	—	—
Johnsonville (TN).....	341	120.4	28.93	1.85	—	—	—	—	—	—	—	100	—	—
Kingston (TN).....	398	121.7	30.25	1.27	1	432.9	25.44	.50	—	—	—	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, November 1997 (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	
	(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	Coal
Tennessee Valley Authority														
Paradise (KY).....	674	97.7	21.30	3.91		1	433.3	25.46	0.50		—	—	—	100
Sevier (TN).....	154	128.0	32.57	1.64		1	441.0	25.91	.50		—	—	—	100
Shawnee (KY).....	306	125.6	29.38	.76		1	439.1	25.80	.50		—	—	—	100
Widows Creek (AL).....	327	124.3	30.21	2.42		4	439.8	25.84	.50		—	—	—	100
Terrabonne Parrish Con.....	—	—	—	—	—	—	—	—	—	—	49	336.3	3.57	—
Houma (LA).....	—	—	—	—	—	—	—	—	—	—	49	336.3	3.57	100
Texas Municipal Power Agency.....	187	120.7	20.95	.25	—	—	—	—	—	—	8	370.0	3.81	100
Gibbons Creek (TX).....	187	120.7	20.95	.25	—	—	—	—	—	—	8	370.0	3.81	100
Texas Utilities Electric Co.....	2,655	101.4	13.31	.91	71	448.2	25.98	—	—	—	25,537	333.9	3.41	57
Big Brown (TX).....	301	130.8	17.50	.70	—	—	—	—	—	—	96	333.9	3.44	98
Collin (TX).....	—	—	—	—	—	—	—	—	—	—	49	333.9	2.93	—
Decordova (TX).....	—	—	—	—	19	451.2	26.15	—	—	—	3,419	333.9	3.42	3
Eagle Mountain (TX).....	—	—	—	—	—	—	—	—	—	—	306	333.9	3.35	—
Graham (TX).....	—	—	—	—	—	—	—	—	—	—	777	333.9	3.48	—
Handley (TX).....	—	—	—	—	—	—	—	—	—	—	2,686	333.9	3.41	—
Lake Creek (TX).....	—	—	—	—	—	—	—	—	—	—	605	333.9	3.45	—
Lake Hubbard (TX).....	—	—	—	—	—	—	—	—	—	—	2,340	333.9	3.42	—
Martin Lake (TX).....	1,011	82.0	10.96	1.30	4	426.1	24.70	—	—	—	—	—	—	100
Monticello (TX).....	1,014	107.7	13.75	.48	7	434.8	25.20	—	—	—	—	—	—	100
Morgan Creek (TX).....	—	—	—	—	—	—	—	—	—	—	1,024	333.9	3.31	—
Mountain Creek (TX).....	—	—	—	—	—	—	—	—	—	—	2,328	333.9	3.38	—
North Lake (TX).....	—	—	—	—	5	451.2	26.15	—	—	—	960	333.9	3.40	3
Parkdale (TX).....	—	—	—	—	—	—	—	—	—	—	197	333.9	3.24	—
Permian Basin (TX).....	—	—	—	—	—	—	—	—	—	—	2,723	333.9	3.43	—
Sandow No 4 (TX).....	329	115.5	15.32	1.20	—	—	—	—	—	—	—	—	—	100
Stryker (TX).....	—	—	—	—	—	—	—	—	—	—	2,131	333.9	3.48	—
Tradinghouse (TX).....	—	—	—	—	—	—	—	—	—	—	2,799	333.9	3.42	—
Trinidad (TX).....	—	—	—	—	—	—	—	—	—	—	67	333.9	3.13	—
Valley (TX).....	—	—	—	—	36	451.2	26.15	—	—	—	3,029	333.9	3.38	6
Texas-New Mexico Power Co.....	75	143.4	18.93	.85	—	—	—	—	—	—	2	342.8	3.45	100
TNP One (Tx).....	75	143.4	18.93	.85	—	—	—	—	—	—	2	342.8	3.45	100
Toledo Edison Co.....	158	136.1	29.41	.56	—	—	—	—	—	—	—	—	—	100
Bay Shore (OH).....	158	136.1	29.41	.56	—	—	—	—	—	—	—	—	—	100
Tri State Gen & Trans Assn, Inc.....	332	103.1	21.22	.40	—	—	—	—	—	—	4	288.8	3.21	100
Craig (CO).....	302	104.4	21.39	.36	—	—	—	—	—	—	4	288.8	3.21	100
Nucla (CO).....	31	90.9	19.55	.79	—	—	—	—	—	—	—	—	—	100
Tucson Electric Power Co.....	272	133.0	24.69	.77	1	528.6	31.25	.05	—	—	82	348.4	3.54	98
Irvington (AZ).....	21	129.1	26.38	.38	—	—	—	—	—	—	82	348.4	3.54	84
Springerville (AZ).....	251	133.4	24.55	.80	1	528.6	31.25	.05	—	—	—	—	—	100
Union Electric Co.....	1,195	97.6	17.88	.68	10	454.3	26.14	.29	—	—	86	361.6	3.72	99
Labadie (MO).....	566	88.2	15.73	.47	8	453.5	26.09	.29	—	—	—	—	—	100
Meramec (MO).....	69	134.5	31.47	1.29	—	—	—	—	—	—	71	362.3	3.73	96
Rush Island (MO).....	265	93.2	15.81	.34	1	458.1	26.36	.29	—	—	—	—	—	100
Sioux (MO).....	295	107.1	20.68	1.26	1	457.0	26.30	.29	—	—	—	—	—	100
Venice No.2 (IL).....	—	—	—	—	—	—	—	—	—	—	15	358.4	3.69	—
United Illuminating Co.....	41	189.6	49.85	.47	673	318.7	20.24	.94	—	—	—	—	—	20
Bridgeport Harbor (CT).....	41	189.6	49.85	.47	68	319.7	20.31	.99	—	—	—	—	—	71
New Haven Hbr (CT).....	—	—	—	—	604	318.6	20.24	.94	—	—	—	—	—	100
United Power Assn.....	79	76.1	10.00	.77	*	495.0	28.48	.40	—	—	—	—	—	100
Stanton (ND).....	79	76.1	10.00	.77	*	495.0	28.48	.40	—	—	—	—	—	100
UtiliCorp United Inc.....	116	85.8	16.23	.36	—	—	—	—	—	—	—	—	—	100
Sibley (MO).....	116	85.8	16.23	.36	—	—	—	—	—	—	—	—	—	100

See notes and footnotes at end of table.

Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, November 1997 (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			
Vero Beach City of.....	—	—	—	—	4	427.6	25.81	0.55	29	113.0	1.19	—	44	56
Vero Beach (FL).....	—	—	—	—	4	427.6	25.81	.55	29	113.0	1.19	—	44	56
Vineland City of.....	4	192.2	49.47	0.78	—	—	—	—	—	—	—	100	—	—
H M Down (NJ).....	4	192.2	49.47	.78	—	—	—	—	—	—	—	100	—	—
Virginia Electric & Power Co.....	918	130.8	32.47	1.26	371	301.9	18.83	1.09	342	394.1	4.09	90	9	1
Bremo Bluff (VA).....	71	138.2	32.90	.92	*	417.7	24.56	.20	—	—	—	100	*	—
Chesapeake Energy (VA).....	149	141.7	35.98	1.11	—	—	—	—	—	—	—	100	—	—
Chesterfield (VA).....	122	145.6	36.48	1.10	—	—	—	—	332	390.6	4.04	90	—	10
Clover (VA).....	159	134.2	34.11	1.08	1	417.6	24.55	.10	—	—	—	100	*	—
Mount Storm (WV).....	298	111.1	27.05	1.62	1	481.8	28.33	.20	—	—	—	100	*	—
Possum Point (VA).....	63	140.2	35.33	1.21	78	312.6	19.78	.70	—	—	—	76	24	—
Storage Facility #1.....	—	—	—	—	290	297.6	18.50	1.20	—	—	—	100	—	—
Yorktown (VA).....	55	141.4	34.71	1.09	—	—	—	—	10	498.3	5.80	99	—	1
West Penn Power Co.....	402	132.3	33.28	2.32	1	444.4	26.32	.30	2	424.4	4.24	100	*	*
Armstrong (PA).....	68	111.3	27.75	1.82	*	450.9	26.70	.30	—	—	—	100	*	—
Hatfield (PA).....	268	139.4	35.54	2.20	1	436.5	25.85	.30	—	—	—	100	*	—
Mitchell (PA).....	66	123.9	29.79	3.33	*	573.7	33.97	.30	2	424.4	4.24	100	*	*
West Texas Utilities Co.....	150	282.4	47.59	.38	—	—	—	—	2,094	356.0	3.62	54	—	46
Fort Phantom (TX).....	—	—	—	—	—	—	—	—	750	420.2	4.25	—	—	100
Oak Creek (TX).....	—	—	—	—	—	—	—	—	317	350.0	3.65	—	—	100
Oklahoma (TX).....	150	282.4	47.59	.38	—	—	—	—	—	—	—	100	—	—
Paint Creek (TX).....	—	—	—	—	—	—	—	—	16	490.8	4.97	—	—	100
Rio Pecos (TX).....	—	—	—	—	—	—	—	—	321	288.7	2.89	—	—	100
San Angelo (TX).....	—	—	—	—	—	—	—	—	690	317.0	3.24	—	—	100
Western Farmers Elec Coop Inc.....	114	101.2	17.53	.27	—	—	—	—	1,161	312.5	3.28	62	—	38
Anadarko (OK).....	—	—	—	—	—	—	—	—	902	312.5	3.28	—	—	100
Hugo (OK).....	114	101.2	17.53	.27	—	—	—	—	—	—	—	100	—	—
Mooreland (OK).....	—	—	—	—	—	—	—	—	259	312.5	3.28	—	—	100
Western Massachusetts Elec Co.....	—	—	—	—	10	362.8	22.75	.33	3	395.0	4.04	—	96	4
West Springfield (MA).....	—	—	—	—	10	362.8	22.75	.33	3	395.0	4.04	—	96	4
WestPlains Energy.....	—	—	—	—	—	—	—	—	725	300.1	3.05	—	—	100
Cimarron River (KS).....	—	—	—	—	—	—	—	—	23	336.0	3.64	—	—	100
Large (KS).....	—	—	—	—	—	—	—	—	522	308.6	3.13	—	—	100
Mullergren (KS).....	—	—	—	—	—	—	—	—	180	270.4	2.74	—	—	100
Wisconsin Electric Power Co.....	751	122.0	25.63	.75	—	—	—	—	56	441.2	4.52	100	—	*
Oak Creek (WI).....	192	136.0	31.94	1.02	—	—	—	—	29	432.1	4.42	99	—	1
Pleasant Prairie (WI).....	288	77.5	13.17	.35	—	—	—	—	22	446.7	4.58	100	—	*
Port Washington (WI).....	43	142.1	37.55	1.49	—	—	—	—	*	919.8	9.32	100	—	*
Presque Isle (MI).....	159	147.0	31.65	.56	—	—	—	—	—	—	—	100	—	—
Valley (WI).....	67	147.9	39.02	1.67	—	—	—	—	5	454.4	4.61	100	—	*
Wisconsin Power & Light Co.....	658	101.8	17.78	.49	2	440.0	25.87	—	—	—	—	100	*	—
Columbia (WI).....	427	91.9	15.91	.55	1	427.9	25.16	—	—	—	—	100	*	—
Edgewater (WI).....	201	118.2	20.52	.37	1	426.4	25.07	—	—	—	—	100	*	—
Nelson Dewey (WI).....	4	136.9	32.69	1.22	—	—	—	—	—	—	—	100	—	—
Rock River (WI).....	26	126.0	24.82	.41	*	595.7	35.03	—	—	—	—	100	*	—
Wisconsin Public Service Corp.....	248	110.4	19.50	.25	—	—	—	—	26	396.5	4.01	99	—	1
Pulliam (WI).....	115	96.9	17.09	.20	—	—	—	—	17	396.5	4.01	99	—	1
Weston (WI).....	133	122.0	21.57	.28	—	—	—	—	9	396.5	4.01	100	—	*
Wyandotte Municipal Serv Comm.....	32	155.1	38.74	.75	—	—	—	—	—	—	—	100	—	—
Wyandotte (MI).....	32	155.1	38.74	.75	—	—	—	—	—	—	—	100	—	—
U.S. Total.....	72,558	126.3	26.01	1.13	12,818	315.4	20.00	1.11	168,754	342.4	3.48	86	5	10

¹ The November 1997 petroleum coke receipts were 190,504 short tons and the cost was 98.1 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 1997 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

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

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Appendix B

Technical Notes

Data Sources

The *Electric Power Monthly (EPM)* is prepared by the Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF), Energy Information Administration (EIA), U.S. Department of Energy. Data published in the EPM are compiled from seven data sources. Those forms are: the Form EIA-759, "Monthly Power Plant Report," the Form EIA-900, "Monthly Nonutility Sales for Resale Report," the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," the Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," the Form EIA-861, "Annual Electric Utility Report," the Form EIA-860, "Annual Electric Generator Report," and the Form EIA-867, "Annual Nonutility Power Producer Report."

Form EIA-759

The Form EIA-759 is a cutoff model sample of approximately 360 electric utilities drawn from the frame of all operators of electric utility plants (approximately 700 electric utilities) that generate electric power for public use. Data will be collected on an annual basis from the remaining operators of electric utility plants. The new monthly data collection is from all utilities with at least one plant with a nameplate capacity of 25 megawatts or more. (Note: includes all nuclear units). However, the few utilities that generate electricity using renewable fuel sources other than hydroelectric are all included in the sample. The Form EIA-759 is used to collect monthly data on net generation; consumption of coal, petroleum, and natural gas; and end-of-the-month stocks of coal and petroleum for each plant by fuel-type combination. Summary data from the Form EIA-759 are also contained in the *Electric Power Annual (EPA)*, *Monthly Energy Review (MER)*, and the *Annual Energy Review (AER)*. These reports present aggregate data estimates for electric utilities at the U.S., Census division, and North American Electric Reliability Council Region (NERC) levels.

Instrument and Design History. Prior to 1936, the Bureau of the Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry. In 1936, the Federal Power Commission (FPC) assumed all data collection and

publication responsibilities for the electric power industry and implemented the FPC Form 4. The Federal Power Act, Sections 311 and 312, and FPC Order 141 define the legislative authority to collect power production data. The Form EIA-759 replaced the FPC Form 4 in January 1982. As of the January 1996 reporting period, the Form EIA-759 was changed to collect data from a cutoff model sample of plants with a nameplate capacity of 25 megawatts or more.

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

FERC Form 423

The Federal Energy Regulatory Commission (FERC) Form 423 is a monthly record of delivered-fuel purchases, submitted by approximately 230 electric utilities for each electric generating plant with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. Summary data from the FERC Form 423 are also contained in the EPA, MER, and the *Cost and Quality of Fuels for Electric Utility Plants - Annual*. These reports present aggregated data on electric utilities at the U.S., Census division, and State levels.

Instrument and Design History. On July 7, 1972, the FPC issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the FPC Form 423. Originally, the form was used to collect data only on fossil-steam plants, but was

amended in 1974 to include data on internal combustion and combustion turbines. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, which were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. All historical FPC Form 423 data in this publication were revised to reflect the new generator nameplate capacity threshold of 50 or more megawatts reported on the FERC Form 423. In January 1991, the collection of data on the FERC Form 423 was extended to include combined-cycle units. Historical data have not been revised to include these units. Starting with the January 1993 data, the FERC began to collect the data directly from the respondents.

Data Processing. The FERC processes the data through edits and each month provides the EIA with a diskette containing the data. The EIA reviews the data for accuracy. Beginning with May 1994 data, an additional quality check began in which coal data are compared with data prepared by Resource Data International, Inc., of Boulder, Colorado. Following verification of the data, text and tables of aggregated data are produced for inclusion in the *EPM*. After the *EPM* is cleared by the EIA, the data become available for public use, on a cost-recovery basis, through custom computer runs or in publications.

Form EIA-826

The Form EIA-826 is a monthly collection of data from approximately 260 of the largest primarily investor-owned and publicly owned electric utilities. A model is then applied to estimate for the entire universe of U.S. electric utilities. The electric power sales data are used by the Federal Reserve Board in their economic analyses.

Instrument and Design History. The collection of electric power sales, revenue, and income data began in the early 1940's and was established as FPC Form 5 by FPC Order 141 in 1947. In 1980, the report was revised with only selected income items remaining and became the FERC Form 5. The Form EIA-826 replaced the FERC Form 5 in January 1983. In January 1987, the Form EIA-826 was changed to the "Monthly Electric Utility Sales and Revenue Report with State Distributions." It was formerly titled, "Electric Utility Company Monthly Statement." The Form EIA-826 was revised in January 1990, and some data elements were eliminated. In 1993, EIA for the first time used a model sample for the Form EIA-826. A stratified-random sample, employing auxil-

iary data, was used for each of the 4 previous years. (See previous issues of this publication, and (Knaub, 12) for details.) The current sample for the Form EIA-826, which was designed to obtain estimates of electricity sales and revenue per kilowatthour at the State level by end-use sector, was chosen to be in effect for the January 1993 data.

Frame. The frame for the Form EIA-826 was originally based on the 1989 submission of the Form EIA-861 (Section 1.4), which consisted of approximately 3,250 electric utilities selling retail and/or sales for resale. Note that for the Form EIA-826, the EIA is only interested in retail sales. Updates have been made to the frame to reflect mergers that affect data processing. Some electric utilities serve in more than one State. Thus, the State-service area is actually the sampling unit. For each State served by each utility, there is a utility State-part, or "State-service area." This approach allows for an explicit calculation of estimates for sales, revenue, and revenue per kilowatthour by end-use sector (residential, commercial, industrial and other) at State, Census division, and the U.S. level. Regressor data came from the Form EIA-861. (Note that estimates at the "State level" are for sales for the entire State, and similarly for "Census division" and "U.S." levels.)

The preponderance of electric power sales to ultimate consumers in each State are made by a few large utilities. Ranking of electric utilities by retail sales on a State-by-State basis revealed a consistent pattern of dominance by a few electric utilities in nearly all 50 States and the District of Columbia. These dominant electric utilities were selected as a model sample. These electric utilities constitute about 8 percent of the population of U.S. electric utilities, but provide three-quarters of the total U.S. retail electricity sales. The procedures used to derive electricity sales, revenue, revenue per kilowatthour, and associated coefficient of variation (CV) estimates are provided in the Form EIA-826 subsection of the Formulas Data Section. See (Knaub, 12) for a study of CV estimates for this survey.

Data Processing. The forms are mailed each year to the electric utilities with State-parts selected in the sample. The completed form is to be returned to the EIA by the last calendar day of the month following the reporting month. Nonrespondents are telephoned to obtain the data. Imputation, in model sampling, is an implicit part of the estimation. That is, data that are not available, either because it was not part of the sample or because the data are missing, are estimated using a model. The data are edited and entered into the computer where additional checks are completed. After all forms have been received from the respondents, the final automated

edit is submitted. Following verification, tables and text of the aggregated data are produced for inclusion in the EPM. After the EPM receives clearance from the EIA, the data are made available for public use through custom computer runs, data tapes, or in publications (EPA, AER) on a cost-recovery basis.

Form EIA-900

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

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

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

Form EIA-861

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

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

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

Form EIA-860

The Form EIA-860 is a mandatory census of electric utilities in the United States that operate power plants or plan to operate a power plant within 10 years of the reporting year. The survey is used to collect data on electric utilities' existing power plants and their 10-year plans for constructing new plants, generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the

generating unit level. These data are then aggregated to provide totals by energy source (coal, petroleum, gas, water, nuclear, other) and geographic area (State, NERC region, Federal region, Census division). Additionally, at the national level, data are aggregated to provide totals by prime mover. Data from the Form EIA-860 are also summarized in the *Inventory of Power Plants in the United States* and the EPA, and as input to publications (AER) and studies by other offices in the Department of Energy.

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

Data Processing. The Form EIA-860 is mailed to approximately 900 respondents in November or December to collect data as of January 1 of the reporting year, where the reporting year is the calendar year in which the report was filed. Effective with the 1996 reporting year, respondents have the option of filing Form EIA-860 directly with the EIA or through an agent, such as the respondent's regional electric reliability council. Data reported through the regional electric reliability councils are submitted to the EIA electronically from the North American Electric Reliability Council (NERC). Data for each respondent are preprinted from the applicable data base. Respondents are instructed to verify all preprinted data and to supply missing data. The data are manually edited before being keypunched for automatic data processing. Computer programs containing additional edit checks are run. Respondents are telephoned to obtain correction or clarification of reported data and to obtain missing data, as a result of the manual and automatic editing process.

Form EIA-867

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

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

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

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

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

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

Formulas/Methodologies

The following formula is used to calculate percent differences.

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

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

Form EIA-826

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

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

State-level sales and revenue estimates are calculated. Also, a ratio estimation procedure is used for estimation of revenue per kilowatthour at the State level. These estimates are accumulated separately to produce the Census division and U.S. level estimates.

The coefficient of variation (CV) statistic, usually given as a percent, describes the magnitude of sampling error that might reasonably be incurred. The CV, sometimes referred to as the relative standard error, is the square root of the estimated variance, divided by the variable of interest. The variable of interest may be the ratio of two variables (for example, revenue per kilowatthour), or a single variable (for example, sales).

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

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

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

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

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

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

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

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

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

Form EIA-900

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

Form EIA-759

Data for the Form EIA-759 are collected at the plant level. Estimates are then provided for geographic levels. Consumption of fuel(s) is converted from quantities (in short tons, barrels, or thousand cubic feet) to Btu at the plant level. End-of-month fuel stocks for a single generating plant may not equal beginning-of-the-month stocks plus receipts less consumption, for many reasons, including the fact that several plants may share the same fuel stock.

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

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

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

FERC Form 423

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

- For coal, units for receipts (R) are in tons, units for average heat content (A) are in Btu per pound, and the unit conversion (U) is 2,000 pounds per ton;
- For petroleum, units for receipts (R) are in barrels, units for average heat content (A) are in Btu per gallon, and the unit conversion (U) is 42 gallons per barrel;
- For gas, units for receipts (R) are in thousand cubic feet (Mcf), average heat content (A) are in Btu per cubic foot, and the unit conversion (U) is 1,000 cubic feet per Mcf.

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

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

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

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

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

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

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

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

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

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

Form EIA-861

Data for the Form EIA-861 are collected at the utility level from all electric utilities in the United States, its territories, and Puerto Rico. Form EIA-861 data in this publication are for the United States only. These data are then aggregated to provide geographic totals at the State, NERC region, Census division, and national level. Sources and disposition of data are also provided by utility class of ownership and retail consumer class of service. Average revenue (nominal dollars) per 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, November 1997

Census Division and State	Coal ¹ (Btu per ton)	Petroleum ¹ (Btu per barrel)	Gas ¹ (Btu per thousand cubic feet)
New England	25,601,856	6,349,971	1,034,327
Connecticut.....	26,292,000	6,369,295	1,032,880
Maine.....	—	6,258,525	—
Massachusetts.....	25,441,420	6,361,538	1,037,265
New Hampshire.....	25,861,154	6,239,624	—
Rhode Island.....	—	—	1,031,000
Vermont.....	—	5,742,240	1,011,000
Middle Atlantic	24,863,864	6,295,546	1,026,554
New Jersey.....	26,367,842	6,133,429	1,038,401
New York.....	26,210,194	6,300,736	1,025,782
Pennsylvania.....	24,484,753	6,246,739	1,036,483
East North Central	21,250,655	6,053,440	763,054
Illinois.....	19,597,008	6,250,495	1,016,543
Indiana.....	20,904,201	5,764,186	1,021,241
Michigan.....	21,023,551	6,116,677	^a 345,394
Ohio.....	23,857,316	5,812,090	1,030,177
Wisconsin.....	18,828,148	5,880,000	1,009,900
West North Central	16,759,115	6,156,001	1,019,944
Iowa.....	17,279,752	5,869,408	1,003,810
Kansas.....	17,565,860	6,281,484	1,023,912
Minnesota.....	17,771,982	5,783,510	1,016,500
Missouri.....	18,078,551	6,208,470	1,007,020
Nebraska.....	17,210,586	5,775,935	999,327
North Dakota.....	12,959,870	5,860,432	1,073,000
South Dakota.....	17,490,000	—	—
South Atlantic	24,745,053	6,345,435	1,053,753
Delaware.....	26,273,002	6,389,819	1,038,642
District of Columbia.....	—	—	—
Florida.....	24,333,472	6,372,852	1,055,359
Georgia.....	23,403,888	5,816,307	1,025,452
Maryland.....	25,823,482	6,328,177	1,046,048
North Carolina.....	24,719,288	5,806,007	1,043,000
South Carolina.....	25,681,842	5,796,000	1,024,000
Virginia.....	25,100,854	6,235,500	1,038,652
West Virginia.....	25,301,431	5,838,790	1,000,000
East South Central	23,122,805	6,585,688	1,024,926
Alabama.....	22,767,782	5,877,893	1,025,677
Kentucky.....	23,224,240	5,847,583	1,023,394
Mississippi.....	21,320,124	6,614,779	1,024,940
Tennessee.....	23,655,600	5,875,800	—
West South Central	15,501,545	6,106,167	1,026,136
Arkansas.....	17,372,620	5,895,078	1,031,431
Louisiana.....	16,164,368	6,464,629	1,040,757
Oklahoma.....	17,100,732	—	1,034,013
Texas.....	14,864,203	5,812,074	1,022,520
Mountain	19,506,462	5,771,976	1,017,036
Arizona.....	20,416,508	5,824,569	1,015,725
Colorado.....	19,769,626	—	997,591
Idaho.....	—	—	—
Montana.....	16,909,057	5,922,000	1,113,953
Nevada.....	22,617,062	5,803,770	1,027,373
New Mexico.....	18,045,652	5,712,000	1,007,050
Utah.....	22,607,184	5,880,000	—
Wyoming.....	17,563,218	5,814,809	1,044,000
Pacific Contiguous	16,379,010	5,877,871	1,022,865
California.....	—	—	1,023,489
Oregon.....	17,485,194	—	1,011,000
Washington.....	16,077,784	5,877,871	1,055,000
Pacific Noncontiguous	—	6,277,956	1,000,000
Alaska.....	—	—	1,000,000
Hawaii.....	—	6,277,956	—
U.S. Average	20,590,738	6,339,037	1,016,812

¹ Data represents weighted values.

^a Consists mostly of blast furnace gas which has a heat content of 74,000 Btu per thousand cubic feet.

Note: Data for 1997 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 1996

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

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.

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-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, 1995 and 1996

Item	1995			1996		
	Sample	Census	Difference (Percent)	Sample	Census	Difference (Percent)
Generation (million kilowatthours)						
Coal	—	—	—	1,735,943	1,737,453	0.1
Petroleum	—	—	—	66,261	65,695	-.9
Gas	—	—	—	263,262	262,730	-.2
Other ¹	—	—	—	1,012,475	1,011,564	-.1
Total	—	—	—	3,077,940	3,077,442	*
Consumption						
Coal (1,000 short tons)	—	—	—	873,681	874,681	.1
Petroleum (1,000 barrels)	—	—	—	114,788	113,274	-1.3
Gas (1,000 Mcf)	—	—	—	2,736,552	2,732,107	-.2
Stocks²						
Coal (1,000 short tons)	—	—	—	114,623	114,623	*
Petroleum (1,000 barrels)	—	—	—	47,507	47,690	.4
Retail Sales (million kilowatthours)						
Residential	1,043,304	1,042,501	-.1	1,078,512	1,082,491	.4
Commercial	854,682	862,685	.9	891,588	887,425	-.5
Industrial	1,013,107	1,012,693	*	1,014,347	1,030,356	1.6
Other ³	97,547	95,407	-2.2	100,217	97,539	-2.7
All Sectors	3,008,641	3,013,287	.20	3,084,664	3,097,810	.40
Revenue (million dollars)						
Residential	87,800	87,610	-.2	90,498	90,501	*
Commercial	65,837	66,365	.8	68,073	67,827	-.4
Industrial	47,528	47,175	-.7	46,646	47,385	1.6
Other ³	6,532	6,567	.5	6,738	6,741	*
All Sectors	207,698	207,717	*	211,955	212,455	.20
Average Revenue per Kilowatthour (cents)⁴						
Residential	8.00	8.00	-.1	8.00	8.00	-.4
Commercial	8.00	8.00	-.1	8.00	8.00	.1
Industrial	5.00	5.00	-.7	5.00	5.00	*
Other ³	7.00	7.00	2.7	7.00	7.00	2.7
All Sectors	7.00	7.00	-.10	7.00	7.00	-.20

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.

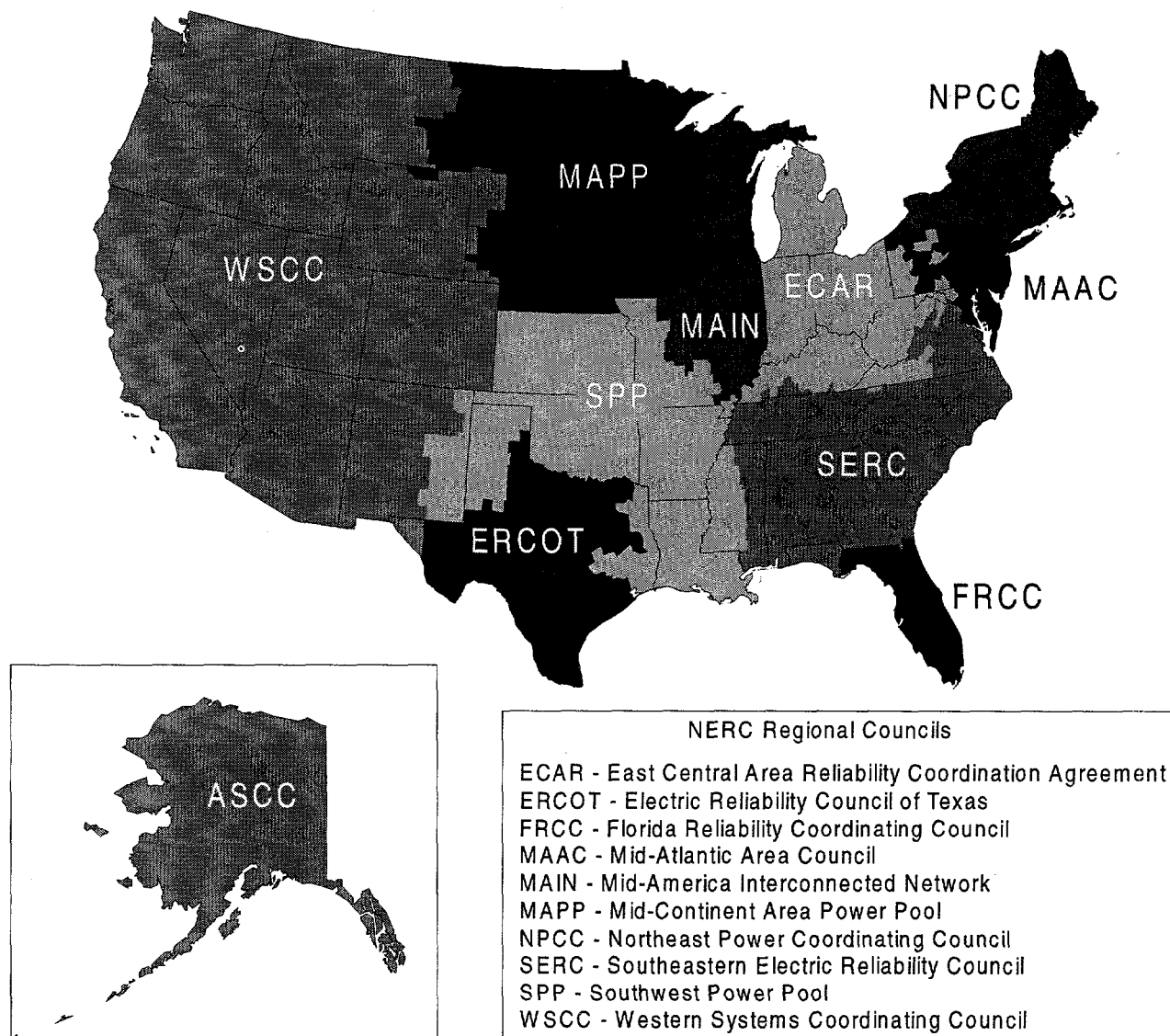
⁴ Data represent weighted values.

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

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-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,
December 1997**
(Percent)

State	Coal	Petroleum	Gas	Hydroelectric	Nuclear	Other ¹
Alabama.....	0.0	0.0	0.0	0.0	0.0	—
Alaska.....	.0	4.6	.4	8.0	—	—
Arizona.....	.0	.0	.0	.0	.0	—
Arkansas.....	.0	.1	4.2	.0	.0	—
California.....	—	.0	.0	.2	.0	0.0
Colorado.....	.1	4.1	.9	.2	—	.0
Connecticut.....	.0	.2	.0	1.6	.0	.0
Delaware.....	.0	.1	.0	—	—	—
District of Columbia.....	—	.0	—	—	—	—
Florida.....	.0	.0	.0	.0	.0	—
Georgia.....	.0	.0	.4	.2	.0	—
Hawaii.....	—	.0	—	.0	—	—
Idaho.....	—	.0	—	.3	—	—
Illinois.....	.0	.5	.2	.0	.0	.0
Indiana.....	.0	.0	.4	.0	—	—
Iowa.....	.0	42.7	2.3	.5	.0	.0
Kansas.....	.0	4.8	3.1	—	.0	—
Kentucky.....	.0	.0	.0	1.4	—	—
Louisiana.....	.0	.0	.0	—	.0	—
Maine.....	—	.1	—	.8	.0	.0
Maryland.....	.0	.0	.0	.0	.0	—
Massachusetts.....	.0	.0	.2	.0	.0	—
Michigan.....	.0	.4	3.2	6.3	.0	—
Minnesota.....	.0	.1	5.3	3.6	.0	.0
Mississippi.....	.0	.0	.0	—	.0	—
Missouri.....	.0	.9	.8	.2	.0	.0
Montana.....	.0	.0	.0	.0	—	—
Nebraska.....	.0	2.1	3.4	.0	.0	.0
Nevada.....	.0	.0	.0	.0	—	—
New Hampshire.....	.0	.0	.0	.0	.0	—
New Jersey.....	.0	.0	.0	.0	.0	—
New Mexico.....	.1	.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	.0	.2	.0	.0	—
Oklahoma.....	.0	.4	.1	.0	—	—
Oregon.....	.0	.0	.0	.0	—	.0
Pennsylvania.....	.0	.0	.0	.6	.0	—
Rhode Island.....	.0	.0	.0	—	—	—
South Carolina.....	.0	.0	.0	.3	.0	—
South Dakota.....	.0	.0	.0	.0	—	—
Tennessee.....	.0	.0	.0	.0	.0	—
Texas.....	.0	.0	.0	1.0	.0	.0
Utah.....	.0	1.9	142.0	2.5	—	.0
Vermont.....	—	8.3	.0	4.8	.0	.0
Virginia.....	.0	.0	.0	.9	.0	.0
Washington.....	.0	.0	.0	.0	.0	.0
West Virginia.....	.0	.0	.0	.0	—	—
Wisconsin.....	.0	.2	.7	1.7	.0	.0
Wyoming.....	.0	.0	.0	.3	—	—

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

Notes: •For an explanation of coefficients of variation, see the technical notes. •Estimates for 1997 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, December 1997
(Percent)

State	Consumption			Stocks	
	Coal	Petroleum	Gas	Coal	Petroleum
Alabama	0.0	0.0	0.0	0.0	0.0
Alaska	.0	11.2	.8	.0	20.6
Arizona	.0	.0	.0	.0	.0
Arkansas	.0	.1	7.2	.0	.0
California	—	.0	.0	—	.0
Colorado	.1	.7	1.1	.1	.2
Connecticut	.0	.2	.0	.0	.2
Delaware	.0	.0	.0	.0	.0
District of Columbia	—	.0	—	—	.0
Florida	.0	.0	.0	.0	.0
Georgia	.0	.0	.3	.0	.0
Hawaii	—	.0	—	—	.0
Idaho	—	.0	—	—	.0
Illinois	.0	.3	.2	.0	.0
Indiana	.0	.0	.4	.0	.1
Iowa	.0	2.0	4.6	.0	2.9
Kansas	.0	3.5	2.9	.0	.7
Kentucky	.0	.0	.0	.0	.0
Louisiana	.0	.0	.0	.0	.0
Maine	—	.1	—	—	.2
Maryland	.0	.0	.0	.0	.0
Massachusetts	.0	.0	.2	.0	.0
Michigan	.0	.3	.9	.0	.1
Minnesota	.0	1.3	4.8	.0	.6
Mississippi	.0	.0	.0	.0	.0
Missouri	.0	.6	.8	.0	.2
Montana	.0	.0	.0	.0	.0
Nebraska	.0	2.2	2.1	.0	3.1
Nevada	.0	.0	.0	.0	.0
New Hampshire	.0	.0	.0	.0	.0
New Jersey	.0	.0	.0	.0	.0
New Mexico	.1	.0	.0	.3	.0
New York	.0	.1	.1	.0	.0
North Carolina	.0	.0	.0	.0	.0
North Dakota	.0	.0	.0	.0	.0
Ohio	.0	.0	.4	.0	.0
Oklahoma	.0	.6	.1	.0	.1
Oregon	.0	.0	.0	.0	.0
Pennsylvania	.0	.0	.0	.0	.0
Rhode Island	.0	.0	.0	.0	.0
South Carolina	.0	.0	.0	.0	.0
South Dakota	.0	.0	.0	.0	.0
Tennessee	.0	.0	.0	.0	.0
Texas	.0	.0	.0	.0	.0
Utah	.0	3.8	82.9	.0	.9
Vermont	—	8.2	.0	—	6.4
Virginia	.0	.0	.0	.0	.0
Washington	.0	.0	.0	.0	.0
West Virginia	.0	.0	.0	.0	.0
Wisconsin	.0	.5	.8	.0	.4
Wyoming	.0	.0	.0	.0	.0

Notes: •For an explanation of coefficients of variation, see the technical notes. •Estimates for 1997 are preliminary.
Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Glossary

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

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

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

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

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

Baseload: The minimum amount of electric power delivered or required over a given period of time at a steady rate.

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

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

Bcf: The abbreviation for 1 billion cubic feet.

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

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

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

LV = Low-volatile bituminous coal

MV = Medium-volatile bituminous coal

HVA = High-volatile A bituminous coal

HVB = High-volatile B bituminous coal

HVC = High-volatile C bituminous coal

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

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

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

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

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

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

Circuit: A conductor or a system of conductors through which electric current flows.

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

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

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

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

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

Commercial Operation: Commercial operation begins when control of the loading of the generator is turned over to the system dispatcher.

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

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

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

Cost: The amount paid to acquire resources, such as plant and equipment, fuel, or labor services.

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

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

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

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

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

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

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

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

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

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

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

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

Failure or Hazard: Any electric power supply equipment or facility failure or other event that, in the judgment of the reporting entity, constitutes a hazard to maintaining the continuity of the bulk electric power supply system such that a load reduction action may become necessary and a reportable outage may occur. The imposition of a special operating procedure, the extended purchase of emergency power, other bulk power system actions that may be caused by a natural disaster, a major equipment failure that would impact the bulk power supply, and an environmental and/or regulatory action requiring equipment outages are types of abnormal conditions that should be reported.

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

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

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

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

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

power supply. The following factors should be taken into account to determine that a fuel emergency exists: (1) Fuel stock or hydroelectric project water storage levels are 50 percent or less of normal for that particular time of the year and a continued downward trend in fuel stock or hydroelectric project water storage level are estimated; or (2) Unscheduled dispatch or emergency generation is causing an abnormal use of a particular fuel type, such that the future supply or stocks of that fuel could reach a level which threatens the reliability or adequacy of bulk electric power supply.

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

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

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

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

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

Generator Nameplate Capacity: The full-load continuous rating of a generator, prime mover, or other electric power production equipment under specific conditions as designated by the manufacturer. Installed generator nameplate rating is usually indicated on a nameplate physically attached to the generator.

Geothermal Plant: A plant in which the prime mover is a steam turbine. The turbine is driven either by steam produced from hot water or by natural steam that derives its energy from heat found in rocks or fluids at various depths beneath the surface of the earth. The energy is extracted by drilling and/or pumping.

Gigawatt (GW): One billion watts.

Gigawatthour (GWh): One billion watthours.

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

Heavy Oil: The fuel oils remaining after the lighter oils have been distilled off during the refining process.

Except for start-up and flame stabilization, virtually all petroleum used in steam plants is heavy oil.

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

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

Instantaneous Peak Demand: The maximum demand at the instant of greatest load.

Integrated Demand: The summation of the continuously varying instantaneous demand averaged over a specified interval of time. The information is usually determined by examining a demand meter.

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

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

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

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

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

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

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

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts.

Megawatthour (MWh): One million watthours.

MMcf: One million cubic feet.

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

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

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

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

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

North American Electric Reliability Council (NERC): A council formed in 1968 by the electric utility industry to promote the reliability and adequacy of bulk power supply in the electric utility systems of North America. The NERC Regions are:

ASCC - Alaskan System Coordination Council
ECAR - East Central Area Reliability Coordination Agreement
ERCOT - Electric Reliability Council of Texas
FRCC - Florida Reliability Coordinating Council
MAIN - Mid-America Interconnected Network
MAAC - Mid-Atlantic Area Council
MAPP - Mid-Continent Area Power Pool
NPCC - Northeast Power Coordinating Council
SERC - Southeastern Electric Reliability Council
SPP - Southwest Power Pool
WSCC - Western Systems Coordinating Council

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

Nuclear Power Plant: A facility in which heat produced in a reactor by the fissioning of nuclear fuel is used to drive a steam turbine.

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

Ohm: The unit of measurement of electrical resistance. The resistance of a circuit in which a potential difference of 1 volt produces a current of 1 ampere.

Operable Nuclear Unit: A nuclear unit is "operable" after it completes low-power testing and is granted authorization to operate at full power. This occurs when it receives its full power amendment to its operating license from the Nuclear Regulatory Commission.

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

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

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

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

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

Peaking Capacity: Capacity of generating equipment normally reserved for operation during the hours of highest daily, weekly, or seasonal loads. Some generating equipment may be operated at certain times as peaking capacity and at other times to serve loads on an around-the-clock basis.

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

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

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

Petroleum Coke: See Coke (Petroleum).

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

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

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

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

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

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

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

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

Pumped-Storage Hydroelectric Plant: A plant that usually generates electric energy during peak-load periods by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can

be released from the reservoir through a conduit to turbine generators located in a power plant at a lower level.

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

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

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

Receipts: Purchases of fuel.

Reserve Margin (Operating): The amount of unused available capability of an electric power system at peak load for a utility system as a percentage of total capability.

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

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

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

Running and Quick-Start Capability: The net capability of generating units that carry load or have quick-start capability. In general, quick-start capability refers to generating units that can be available for load within a 30-minute period.

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

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

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

Scheduled Outage: The shutdown of a generating unit, transmission line, or other facility, for inspection or maintenance, in accordance with an advance schedule.

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

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

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

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

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

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

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

Substation: Facility equipment that switches, changes, or regulates electric voltage.

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

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

Switching Station: Facility equipment used to tie together two or more electric circuits through switches. The switches are selectively arranged to permit a circuit to be disconnected, or to change the electric connection between the circuits.

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

Transformer: An electrical device for changing the voltage of alternating current.

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

Transmission System (Electric): An interconnected group of electric transmission lines and associated

equipment for moving or transferring electric energy in bulk between points of supply and points at which it is transformed for delivery over the distribution system lines to consumers, or is delivered to other electric systems.

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

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

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

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

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