

# **Electric Power Monthly December 1999**

**With Data for September 1999**

**Energy Information Administration**  
Office of Coal, Nuclear, Electric and Alternate Fuels  
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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 Power Report"; Form EIA-861, "Annual Electric Utility Report"; Form EIA-860A, "Annual Electric Generator Report - Utility;" and Form EIA-860B, "Annual Electric Generator Report - Nonutility." Copies of these forms and their instructions may be obtained from the National Energy Information Center. A detailed description of these forms is in Appendix B, "Technical Notes."

**Office of Coal, Nuclear, Electric and Alternate Fuels**  
**Electric Power Industry Related Data: Available in Electronic Form**  
*(as of December 1999)*

	Internet			CD-ROM	Diskette
	Portable Document Format (PDF)	Executable Data Files	Hypertext Markup Language (HTML)		
<b>Surveys:</b>					
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	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
<b>Publications:</b>					
Electric Power Monthly	X		X	X	
Data tables for Form EIA-759, Form EIA-826, Form EIA-860 (new units only), and FERC Form 423	X		X		
Electric Power Annual Volume I	X		X	X	
Electric Power Annual Volume II	X		X	X	
Inventory of Power Plants in the United States	X			X	
Electric Sales and Revenue	X		X	X	
Financial Statistics of Major U.S. Investor Owned Electric Utilities	X			X	
Financial Statistics of Major U.S. Publicly Owned Electric Utilities	X			X	

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

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# Monthly Update

## Utility Generation and Retail Sales—September 1999

**Generation.** Total U.S. net generation of electricity was 262 billion kilowatthours, 6 percent below the amount reported in September 1998. Compared with 1998, gas-fired generation showed the largest decline among the major energy sources—dropping by 9 billion kilowatthours (26 percent). Net generation from coal, petroleum, and hydroelectric plants also declined from the amount reported during the same period last year, down 4, 42, and 2 percent, respectively.

**Sales.** Total sales of electricity to ultimate consumers in the United States during September 1999 were 291 billion kilowatthours, 4 billion kilowatthours (1 percent) lower than the amount reported in September 1998. The residential sector had sales of 104 billion kilowatthours, 3 percent lower than in September 1998. The commercial sector had sales which decreased by 2 percent while sales in the industrial sector were higher by 1 percent compared with September 1998.

## Nonutility Generation

**Generation.** Total U.S. net generation of electricity during September 1999 was 44 billion kilowatthours, a decrease of 11 percent below the amount reported during the previous month. Gas-fired plants produced 24 billion kilowatthours, 54 percent of the U.S. total.

## Utility Fuel Receipts, Costs, and Quality—August 1999

**Coal.** Receipts of coal at electric utilities totaled 81 million short tons, down 1 million short tons from

receipts reported in August 1998. The decrease was due in-part to the sale and reclassification of utility plants as nonutility plants. This will continue to affect year-to-year comparisons in the months ahead. In addition, a monthly record of 68 billion kilowatthours of nuclear generation reduced demand for coal-fired generation. Total coal receipts for the first eight-months of 1999 were 604 million short tons, compared to 614 million short tons during the first eight months of 1998.

**Petroleum.** Receipts of petroleum totaled 13 million barrels, down 7 million barrels from August 1998. The average delivered cost of petroleum to electric utilities was \$3.04 per million Btu, up from \$2.07 per million Btu in August 1998. The cost of petroleum products delivered to electric utilities continues to move higher, reflecting the increase in the cost of crude oil over the past 5 months. Like coal, the sale and reclassification of several oil-fired plants located in the New England and Middle Atlantic Census divisions makes year-to-year comparisons difficult and, in some cases, misleading. Total receipts of petroleum for the first 8 months of 1999 were 97 million barrels, down from 111 million barrels reported for the same period in 1998.

**Gas.** Receipts of gas totaled 380 billion cubic feet (Bcf), down from the 390 Bcf reported in August 1998. The average cost of gas delivered to electric utilities was \$2.82 per million Btu, compared to \$2.18 per million Btu reported in August 1998. The sale and reclassification of electric plants is having a substantial affect on gas data presented at the New England, Middle Atlantic, and Pacific Contiguous Census Divisions, as well as at the National level. Total receipts of gas for the first 8 months of 1999 were 1,996 Bcf, down from 2,021 Bcf reported for the same period in 1998.

## Electricity Supply and Demand Forecast for 1999<sup>1</sup>

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.<sup>2</sup>

- Electricity demand in 1999 is projected to grow in each of the five demand sectors. The overall total for 1999 is forecast at 1.0 percent above 1998 levels, which is lower than the 3.7 percent growth rate experienced in 1998.
- Residential demand for electricity in 1999 is projected to increase by 0.7 percent over 1998. This is due to the expected second and third quarter increase in cooling demand over the same period in 1998, when temperatures were milder than normal.
- Commercial sector demand is forecast to rise by 2.0 percent in 1999 and can be attributed mainly to expanding employment and favorable economic conditions. Industrial demand is projected to grow by 0.6 percent in 1999 reflecting the continuing growth in industrial output.
- Electricity generation at U.S. utilities is expected to grow at the rate of 1.1 percent, which is 1.9 percent below the growth rate experienced in 1998. The nonutility generation growth rate is projected to remain steady at 1.5 percent.
- Considering the current lack of rainfall in most regions of the United States, hydropower generation by electric utilities is expected to decrease by 1.7 percent from 1998 levels. High runoff conditions in the Pacific Northwest, created by above-average rainfall in 1996 and 1997, resulted in increased availability of hydroelectric generation in 1998.
- Nuclear power generation is expected to increase by 4.5 percent as it continues to recover from the negative growth seen in 1997, as many of the downed nuclear plants go back on line (but not back up to peak 1996 levels).
- Net imports of electricity from Canada are forecast to be 11.1 percent below last year's level. This continues the downward trend which occurred each year (except in 1996) after the record high levels of imports seen in 1994.

<sup>1</sup>Energy Information Administration, *Short-Term Energy Outlook: 3rd Quarter 1999*, DOE/EIA-0202 (99/3Q) (Washington, DC, July 1999).

<sup>2</sup>Further questions on this section may be directed to Rebecca McNerney at 202-426-1251 or via Internet at [rmcnerne@eia.doe.gov](mailto:rmcnerne@eia.doe.gov).

### Electricity Supply and Demand (Billion Kilowatthours)

	1999				
	1st	2nd	3rd	4th	Year
<b>Supply</b>					
Net Utility Generation					
Coal .....	431.6	429.1	499.3	462.2	1822.1
Petroleum .....	26.9	22.8	22.5	21.0	93.1
Natural Gas .....	52.0	84.7	124.6	62.4	323.7
Nuclear .....	181.1	165.0	190.8	167.1	704.0
Hydroelectric .....	83.4	79.7	70.7	65.4	299.1
Geothermal and Other <sup>a</sup> .....	1.6	1.2	1.9	2.1	6.8
Subtotal .....	776.5	782.5	909.7	780.1	3248.7
Nonutility Generation <sup>b</sup>					
Coal .....	15.1	14.4	15.7	17.6	62.8
Petroleum .....	4.0	3.9	4.2	4.7	16.8
Natural Gas .....	50.9	48.7	53.0	59.4	212.0
Other Gaseous Fuels <sup>c</sup> .....	2.9	2.8	3.1	3.4	12.2
Hydroelectric .....	4.3	4.1	4.5	5.0	18.0
Geothermal and Other <sup>d</sup> .....	17.8	17.0	18.5	20.8	74.1
Subtotal .....	95.0	91.0	99.1	110.9	396.0
Total Generation .....	871.5	873.5	1008.7	891.0	3644.8
Net Imports .....	1.2	7.5	9.3	7.6	25.6
Total Supply .....	872.7	881.0	1018.0	898.7	3670.4
Losses and Unaccounted for <sup>e</sup> ..	48.5	73.3	65.0	64.4	251.2
<b>Demand</b>					
Electric Utility Sales					
Residential .....	286.0	247.4	335.2	262.9	1131.4
Commercial .....	226.0	233.5	273.6	235.1	968.1
Industrial .....	248.5	264.6	275.6	264.4	1053.1
Other .....	23.9	24.2	27.2	25.4	100.7
Subtotal .....	784.4	769.6	911.5	787.8	3253.3
Nonutility Gener. for Own Use <sup>b</sup>	39.8	38.1	41.5	46.5	166.0
Total Demand .....	824.3	807.7	953.0	834.3	3419.2
Memo:					
Nonutility Sales to					
Electric Utilities <sup>b</sup> .....	55.2	52.9	57.5	64.4	230.1

<sup>a</sup>Other includes generation from wind, wood, waste, and solar sources.

<sup>b</sup>Electricity 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."

<sup>c</sup>Includes refinery still gas and other process or waste gases, and liquefied petroleum gases.

<sup>d</sup>Includes geothermal, solar, wind, wood, waste, nuclear, hydrogen, sulfur, batteries, chemicals and spent sulfite liquor.

<sup>e</sup>Balancing 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, estimates and 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 and Estimates:** 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;

**Forecasts:** Energy Information Administration, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels.

## Heating Degree-Days by Census Division, September 1999

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> <sup>*</sup>	1998	1999	Normal to 1999	1998 to 1999
New England	439	439	487	10.9	10.9
Middle Atlantic	368	336	384	4.3	14.3
East North Central	401	347	406	1.2	17.0
West North Central	396	341	403	1.8	18.2
South Atlantic	158	141	180	13.9	27.7
East South Central	204	146	197	-3.4	34.9
West South Central	77	61	93	NM	NM
Mountain	357	373	317	-11.2	-15.0
Pacific Contiguous	174	208	122	-29.9	-41.3
<b>U.S. Average</b>	<b>271</b>	<b>251</b>	<b>272</b>	<b>0.4</b>	<b>8.4</b>

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

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

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

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

## Cooling Degree-Days by Census Division, October 1999

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> <sup>*</sup>	1998	1999	Normal to 1999	1998 to 1999
New England	1	0	0	NM	NM
Middle Atlantic	6	0	0	NM	NM
East North Central	11	5	0	NM	NM
West North Central	16	6	6	NM	NM
South Atlantic	118	127	110	-6.8	-13.4
East South Central	57	63	35	NM	NM
West South Central	137	164	130	-5.1	-20.7
Mountain	51	30	61	NM	NM
Pacific Contiguous	38	1	24	NM	NM
<b>U.S. Average</b>	<b>52</b>	<b>47</b>	<b>43</b>	<b>NM</b>	<b>NM</b>

\* "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 U.S. Electric Generating Units by Operating Company, Plant, and State, and Retirements and Total Capability 1999**

Month/ Company	Plant	State	Generating Unit Number	Net Summer Capability <sup>1</sup> (megawatts)	Energy Source	Unit Type Code
<b>January</b>						
Rockford City of .....	Rockford	IA	6	1.6	Petroleum	IC
Trinidad City of .....	Trinidad	CO	5,6,7	5.7	Petroleum	IC
Northwestern Wisconsin .....	Mobile Diesel	WI	1	.5	Petroleum	IC
Public Service Co of Colorado.....	Fort St Vrain	CO	3	128.0	Gas	CT
<b>February</b>						
Alabama Power Co .....	Washington County	AL	1	109.0	Gas	CC
Alaska Power Co .....	Naukati	AK	3	.3	Petroleum	IC
East Kentucky Power Co.....	JK Smith	KY	2	110.0	Gas	GT
<b>March</b>						
St George City of.....	Bloomington Power Pl	UT	1,2,3,4,5,6,7	10.5	Petroleum	IC
Deshler City of.....	Deshler	NE	5	1.1	Petroleum	IC
<b>April<sup>R</sup></b>						
Florida Power Corp.....	Hines Energy Complex	FL	1	470.0	Gas	CC
East Kentucky Power Co.....	JK Smith	KY	1	110.0	Gas	GT
South Carolina Electric & Gas.....	Cogen South	SC	1	55.0	Coal	ST
American Municipal Power-Ohio Inc .....	Belleville	OH	1	21.0	Hydro	HY
Sleepy Eye Public Utility Comm .....	Sleepy Eye	SC	1A	1.8	Petroleum	IC
<b>May<sup>R</sup></b>						
East Kentucky Power Co.....	JK Smith	KY	3	110.0	Gas	GT
New Hampton City of .....	New Hampton	IA	7,8	10.6	Petroleum	IC
American Municipal Power-Ohio Inc .....	Belleville	OH	2	21.0	Hydro	HY
Goodland City of .....	Goodland	KS	13	1.2	Gas	IC
<b>June<sup>R</sup></b>						
Lake Mills City of .....	Lake Mills	IA	7	7.6	Petroleum	IC
Delano City of.....	Delano	MN	8	3.1	Petroleum	IC
Illinois Power Co .....	Tilton	IL	4,3,2,1	176.0	Gas	GT
Rochester Gas & Electric .....	Allegany Cogen	NY	1	42.0	Gas	CT
Rochester Gas & Electric .....	Allegany Cogen	NY	2	25.0	Waste Heat	CW
Soyland Power Coop Inc .....	Alsey	IL	1	30.0	Gas	GT
Associated Electric Coop.....	Essex	MO	1	112.6	Gas	GT
Associated Electric Coop.....	Nodaway	MI	1,2	182.8	Gas	GT
PUD No 1 of Klickitat Co.....	Roosevelt Biogas 1	WA	1,2,3,4	8.4	Refuse	IC
Manitowoc Public Utilities .....	Custer Energy Center	WI	1	17.0	Gas	GT
American Municipal Power-Ohio Inc .....	Arcanum Peaking	OH	1	1.8	Petroleum	IC
American Municipal Power-Ohio Inc .....	Jackson Cntr Peaking	OH	1	1.8	Petroleum	IC
American Municipal Power-Ohio Inc .....	Versailles Peaking	WI	1,2,3	5.5	Petroleum	IC
Arkansas Electric Coop Corp .....	Dam 2	AK	1	36.0	Hydro	HY
Carolina Power & Light Co .....	Asheville	NC	GT1	165.0	Gas	GT
Oglethorpe Power Corp .....	Smarr Energy Center	AL	1,2	217.4	Gas	GT
<b>July<sup>R</sup></b>						
Kahoka City of.....	Kahoka	MO	10,11	2.2	Petroleum	IC
Sumner City of.....	Sumner	IA	6	1.8	Petroleum	IC
Berlin Town of.....	Berlin	MD	2A	1.8	Petroleum	IC
Erie City of.....	Erie Energy Center	KS	5,6,7,8	11.0	Petroleum	IC
Oxford City of.....	City of Oxford	KS	6,7	3.2	Petroleum	IC
Shelbina City of .....	Shelbina Power #2	MO	G6	1.8	Petroleum	IC
Associated Electric Coop.....	St Francis	MO	1	135.0	Gas	CS
Soyland Power Coop Inc .....	Alsey	IL	3	20.0	Gas	GT
Alabama Power Co .....	Burkville Cogen	AL	1	97.0	Gas	CC
American Municipal Power-Ohio Inc .....	Bryan Peaking	OH	1,2,3	5.5	Petroleum	IC
American Municipal Power-Ohio Inc .....	Dover Peaking	OH	1,2,3,4,5,6	11.0	Petroleum	IC
American Municipal Power-Ohio Inc .....	Napoleon Peaking	OH	4,5,6	5.5	Petroleum	IC
American Municipal Power-Ohio Inc .....	Orrville Peaking	OH	1,2,3	5.5	Petroleum	IC
Colorado Springs City of.....	Ray D Nixon	CO	GT1,GT2	63.0	Gas	GT
Maquoketa City of .....	Maquoketa	IA	4A	1.9	Petroleum	IC
<b>August</b>						
Arkansas Electric Coop Corp .....	Dam 2	AK	3	36.0	Hydro	HY
Soyland Power Coop Inc .....	Alsey	IL	2,4	50.0	Gas	GT
Kentucky Utilities Co .....	EW Brown	KY	6,7	328.0	Gas	GT
<b>September</b>						
Carlyle City of .....	Carlyle	IL	9	2.5	Petroleum	IC
Detroit Edison Co .....	Belle River	MI	12-1,12-2,13-1	216.0	Gas	GT
Detroit Edison Co .....	Greenwood	MI	11-1,11-2,11-3	226.0	Gas	GT
Kahoka City of.....	Kahoka	MO	12	1.1	Petroleum	IC
North Slope Borough of.....	NSB Nuiqsut Utility	AK	1,2,3,4	2.7	Petroleum	IC
<b>Total Capability of Newly Added</b>						
Units .....	--	--	--	3,427.7	--	--
Total Capability of Retired Units.....	--	--	--	111.3	--	--
U.S. Total Capability .....	--	--	--	666,279.7	--	--

<sup>1</sup> Net summer capability is estimated.

<sup>R</sup> Revised.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are preliminary. Final data for the year are to be released

**Table 2. U.S. Electric Power Industry Summary Statistics**

Items	September 1999	August 1999	September 1998	Year To Date		
				1999	1998	Difference (percent)
<b>Electric Power Industry</b>						
<b>Net Generation (Million kWh)<sup>2</sup></b>						
Coal.....	159,282	178,806	NA	1,426,147	NA	NA
Petroleum <sup>3</sup> .....	8,110	12,237	NA	98,770	NA	NA
Gas.....	50,413	66,705	NA	430,189	NA	NA
Nuclear Power.....	61,029	68,279	NA	543,189	NA	NA
Hydroelectric (Pumped Storage) <sup>4</sup> .	-424	-761	NA	-4,793	NA	NA
Renewable						
Hydroelectric (Conventional).....	20,425	24,899	NA	247,080	NA	NA
Geothermal.....	1,218	1,270	NA	10,576	NA	NA
Biomass.....	5,213	5,582	NA	49,008	NA	NA
Wind.....	254	403	NA	3,100	NA	NA
Photovoltaic.....	44	55	NA	279	NA	NA
All Energy Sources.....	305,563	357,477	NA	2,803,545	NA	NA
<b>Consumption<sup>2</sup></b>						
Coal (1,000 short tons).....	81,560	91,462	NA	729,403	NA	NA
Petroleum (1,000 barrels) <sup>5</sup> .....	14,083	21,195	NA	169,875	NA	NA
Gas (1,000 Mcf).....	553,182	730,463	NA	4,753,910	NA	NA
<b>Stocks (end-of-month)<sup>2</sup></b>						
Coal (1,000 short tons).....	137,932	135,992	NA	—	NA	NA
Petroleum (1,000 barrels) <sup>6</sup> .....	50,788	50,115	NA	—	NA	NA
<b>Nonutility</b>						
<b>Net Generation (Million kWh)<sup>2</sup></b>						
Coal.....	10,269	11,661	NA	78,984	NA	NA
Petroleum <sup>3</sup> .....	1,966	2,484	NA	21,104	NA	NA
Gas.....	23,689	26,539	NA	189,228	NA	NA
Nuclear Power.....	363	438	NA	801	NA	NA
Hydroelectric (Pumped Storage) <sup>4</sup> .	-17	-14	NA	-71	NA	NA
Renewable						
Hydroelectric (Conventional).....	832	770	NA	9,304	NA	NA
Geothermal.....	1,205	1,257	NA	8,918	NA	NA
Biomass.....	5,056	5,419	NA	47,554	NA	NA
Wind.....	252	402	NA	3,087	NA	NA
Photovoltaic.....	44	55	NA	276	NA	NA
All Energy Sources.....	43,659	49,010	NA	359,183	NA	NA
<b>Consumption<sup>2</sup></b>						
Coal (1,000 short tons).....	5,986	6,710	NA	49,555	NA	NA
Petroleum (1,000 barrels) <sup>5</sup> .....	3,826	4,639	NA	40,539	NA	NA
Gas (1,000 Mcf).....	272,283	296,585	NA	2,214,067	NA	NA
<b>Stocks (end-of-month)<sup>2</sup></b>						
Coal (1,000 short tons).....	8,475	8,173	NA	—	NA	NA
Petroleum (1,000 barrels) <sup>6</sup> .....	6,791	6,046	NA	—	NA	NA
<b>Electric Utility</b>						
<b>Net Generation (Million kWh)<sup>2</sup></b>						
Coal.....	149,012	167,146	155,068	1,347,164	1,372,962	-1.9
Petroleum <sup>3</sup> .....	6,144	9,753	10,539	77,666	86,441	-10.1
Gas.....	26,724	40,165	36,120	240,960	249,934	-3.6
Nuclear Power.....	60,666	67,842	57,206	542,388	496,404	9.3
Hydroelectric (Pumped Storage) <sup>4</sup> .	-407	-746	-272	-4,722	-3,415	38.2
Renewable						
Hydroelectric (Conventional).....	19,593	24,130	19,893	237,777	247,624	-4.0
Geothermal.....	13	13	474	1,658	3,736	-55.6
Biomass.....	156	163	170	1,454	1,481	-1.8
Wind.....	2	2	*	14	2	563.0
Photovoltaic.....	*	*	*	2	2	14.4
All Energy Sources.....	261,904	308,467	279,198	2,444,362	2,455,170	-4
<b>Consumption<sup>2</sup></b>						
Coal (1,000 short tons).....	75,574	84,752	78,078	679,849	691,121	-1.6
Petroleum (1,000 barrels) <sup>5</sup> .....	10,258	16,556	17,292	129,336	141,025	-8.3
Gas (1,000 Mcf).....	280,898	433,878	381,075	2,539,844	2,645,729	-4.0
<b>Stocks (end-of-month)<sup>2</sup></b>						
Coal (1,000 short tons).....	129,456	127,819	104,552	—	—	—
Petroleum (1,000 barrels) <sup>6</sup> .....	43,997	44,068	46,052	—	—	—

See next page for footnotes.

**Table 2. U.S. Electric Power Industry Summary Statistics—Continued**

Items	September 1999	August 1999	September 1998	Year To Date		
				1999	1998	Difference (percent)
<b>Electric Utility</b>						
<b>Retail Sales (Million kWh)<sup>7</sup></b>						
Residential .....	103,560	123,371	106,446	884,641	870,887	1.6
Commercial.....	87,988	93,941	90,010	740,048	728,974	1.5
Industrial .....	90,076	92,240	88,893	787,679	781,201	.8
Other <sup>8</sup> .....	9,062	8,974	9,742	75,676	76,592	-1.2
All Sectors .....	290,686	318,526	295,091	2,488,043	2,457,655	1.2
<b>Revenue (Million Dollars)<sup>7</sup></b>						
Residential .....	8,669	10,391	8,976	72,406	72,480	-.1
Commercial.....	6,489	6,972	6,796	53,536	54,496	-1.8
Industrial .....	4,108	4,481	4,104	35,135	35,356	-.6
Other <sup>8</sup> .....	614	608	639	5,106	5,147	-.8
All Sectors .....	19,879	22,451	20,515	166,182	167,479	-.8
<b>Average Revenue/kWh (Cents)<sup>7</sup></b>						
Residential .....	8.37	8.42	8.43	8.18	8.32	-1.6
Commercial.....	7.37	7.42	7.55	7.23	7.48	-3.2
Industrial .....	4.56	4.86	4.62	4.46	4.53	-1.4
Other <sup>8</sup> .....	6.77	6.77	6.56	6.75	6.72	.4
All Sectors .....	6.84	7.05	6.95	6.68	6.81	-2.0

	August 1999 <sup>9</sup>	July 1999 <sup>9</sup>	August 1998 <sup>9</sup>	Year To Date		
				1999 <sup>9</sup>	1998 <sup>9</sup>	Difference (percent)
<b>Receipts</b>						
Coal (1,000 short tons).....	81,345	76,454	82,057	604,491	614,408	-1.6
Petroleum (1,000 barrels) <sup>10</sup> .....	13,203	14,014	20,107	96,618	111,115	-13.0
Gas (1,000 Mcf).....	379,860	366,546	389,961	1,996,373	2,020,972	-1.2
<b>Cost (cents/million Btu)<sup>11</sup></b>						
Coal.....	120.6	121.1	125.8	122.7	126.1	-2.7
Petroleum <sup>12</sup> .....	303.7	269.4	207.3	227.6	219.5	3.7
Gas <sup>13</sup> .....	282.1	251.3	217.8	245.7	244.5	.5

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 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-759; 1998 estimates have been adjusted to reflect the Form EIA-759 census data and are final; see Technical Notes for adjustment methodology.  
3 Includes petroleum coke.  
4 Represents total pumped storage facility production minus energy used for pumping. Pumping energy used at pumped storage plants for September 1999 was 2,827 million kilowatthours.  
5 The September 1999 petroleum coke consumption was 134,698 short tons.  
6 The September 1999 petroleum coke stocks were 553,337 short tons.  
7 Values for 1999 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 1998 have been adjusted to reflect the Form, EIA-861 annual Total. See Technical Notes for the adjustment methodology. Retail revenue and retail average revenue per kilowatthour do not include taxes such as sales and excise taxes that are assessed on the consumer and collected through the utility. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.  
8 Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.  
9 Values are preliminary for 1998 and final for 1997.  
10 The August 1999 petroleum coke receipts were 297,692 short tons.  
11 Average cost of fuel delivered to electric generating plants; cost values are weighted values.  
12 August 1999 petroleum coke cost was 62.7 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.  
NA = Data are not available.  
NM = This value may not be applicable or the percent difference calculation is not meaningful.

Notes: • \* means the absolute value of the number is less than 0.5. • Totals may not equal sum of components because of independent rounding. • Percent difference is calculated before rounding. • kWh=kilowatthours, and Mcf=thousand cubic feet. • Monetary values are expressed in nominal terms.

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

**Electric Utility Plants That Have Been Sold and Reclassified as Nonutility Plants in 1999**

Utility	Plant	State	Nameplate Capacity (megawatts)	Date <sup>a</sup>	Buyer
Pennsylvania Electric Co (GPU)	Homer City <sup>b</sup>	PA	1,884	March 15, 1999	Edison Mission Energy
Central Maine Power	28 Hydro Plants	ME	373	April 7, 1999	FPL Group
Central Maine Power	Mason	ME	107	April 7, 1999	FPL Group
Central Maine Power	Wyman	ME	<sup>c</sup> 587	April 7, 1999	FPL Group
Central Maine Power	Aroostook Valley	ME	32	April 7, 1999	FPL Group
United Illuminating Co	Bridgeport Harbor	CT	679	April 15, 1999	Wivest-Connecticut
United Illuminating Co	New Haven Harbor	CT	460	April 15, 1999	Wivest-Connecticut
Pacific Gas & Electric Co	Contra Cost	CA	718	April 16, 1999	Southern Energy
Pacific Gas & Electric Co	Pittsburg	CA	2,029	April 16, 1999	Southern Energy
Pacific Gas & Electric Co	Potrero	CA	419	April 16, 1999	Southern Energy
San Diego Gas & Electric Co	South Bay	CA	733	April 27, 1999	Port of San Diego <sup>d</sup>
Pacific Gas & Electric Co	The Geysers	CA	1,354	May 7, 1999	Calpine Corporation
New York State Electric & Gas Co	Goudney	NY	119	May 14, 1999	AES Corporation
New York State Electric & Gas Co	Greenidge	NY	163	May 14, 1999	AES Corporation
New York State Electric & Gas Co	Hickling	NY	87	May 14, 1999	AES Corporation
New York State Electric & Gas Co	Jennison	NY	75	May 14, 1999	AES Corporation
New York State Electric & Gas Co	Kintigh	NY	655	May 14, 1999	AES Corporation
New York State Electric & Gas Co	Milliken	NY	328	May 14, 1999	AES Corporation
San Diego Gas & Electric Co	Division	CA	18	May 22, 1999	Dynegy/NRG
San Diego Gas & Electric Co	El Cajon	CA	18	May 22, 1999	Dynegy/NRG
San Diego Gas & Electric Co	Encina	CA	1,001	May 22, 1999	Dynegy/NRG
San Diego Gas & Electric Co	Kearny	CA	165	May 22, 1999	Dynegy/NRG
San Diego Gas & Electric Co	Miramar	CA	47	May 22, 1999	Dynegy/NRG
San Diego Gas & Electric Co	Naval Station	CA	28	May 22, 1999	Dynegy/NRG
San Diego Gas & Electric Co	Naval Training Ctr	CA	18	May 22, 1999	Dynegy/NRG
San Diego Gas & Electric Co	North Island	CA	52	May 22, 1999	Dynegy/NRG
Avista Corporation	Meyers Falls	WA	1	June 1, 1999	Hydro Technologies
Niagara Mohawk Power Corp	C R Huntley	NY	828	June 11, 1999	NRG
Niagara Mohawk Power Corp	Dunkirk	NY	628	June 11, 1999	NRG
Consolidated Edison Co	Ravenswood	NY	2,310	June 18, 1999	Keyspan
Consolidated Edison Co	Arthur Kill	NY	928	June 25, 1999	NRG
Consolidated Edison Co.	Astoria (GT)	NY	725	June 25, 1999	NRG
Orange & Rockland Utilities	Bowline Point	NY	1,242	June 30, 1999	Southern Energy
Orange & Rockland Utilities	Grahamsville	NY	18	June 30, 1999	Southern Energy
Orange & Rockland Utilities	Hillburn	NY	42	June 30, 1999	Southern Energy
Orange & Rockland Utilities	Lovett	NY	449	June 30, 1999	Southern Energy
Orange & Rockland Utilities	Mongaup	NY	4	June 30, 1999	Southern Energy
Orange & Rockland Utilities	Rio	NY	10	June 30, 1999	Southern Energy
Orange & Rockland Utilities	Shoemaker	NY	42	June 30, 1999	Southern Energy
Orange & Rockland Utilities	Swinging Bridge 1	NY	5	June 30, 1999	Southern Energy
Orange & Rockland Utilities	Swinging Bridge 2	NY	7	June 30, 1999	Southern Energy
Boston Edison Co.	Pilgrim	MA	655	July 13, 1999	Entergy Corp
Western Massachusetts	Doreen	MA	19	July 24, 1999	Consol. Edison Energy
Western Massachusetts	Gardner Falls	MA	4	July 24, 1999	Consol. Edison Energy
Western Massachusetts	Putts Bridge	MA	3	July 24, 1999	Consol. Edison Energy
Western Massachusetts	Red Bridge	MA	4	July 24, 1999	Consol. Edison Energy
Western Massachusetts	West Springfield	MA	132	July 24, 1999	Consol. Edison Energy
Western Massachusetts	Woodland Road	MA	19	July 24, 1999	Consol. Edison Energy
Western Massachusetts	Dwight	MA	1	July 24, 1999	Consol. Edison Energy
Western Massachusetts	Indian Orchard	MA	4	July 24, 1999	Consol. Edison Energy



**Electric Utility Plants That Have Been Sold and Reclassified as Nonutility Plants in 1999 (Continued)**

Utility	Plant	State	Nameplate Capacity (megawatts)	Date <sup>a</sup>	Buyer
Niagara Mohawk Power Corp.	74 Hydro Plants	NY	660	July 29, 1999	Orion Power
Consolidated Edison Co.	Gowanus	NY	688	August 20, 1999	Orion Power
Consolidated Edison Co.	Narrows Bay	NY	393	August 20, 1999	Orion Power
Consolidated Edison Co.	Astoria (ST)	NY	1,151	August 20, 1999	Orion Power

<sup>a</sup>Start date for facility to begin reporting as a nonutility generator.

<sup>b</sup>NYSE&G 50 percent interest included in sale.

<sup>c</sup>Total shown is the CMP interest in Wyman. Bangor Hydro sold their 52-MW interest in Unit 4 to PP&L Global. Maine Public Service Company sold a 21-MW interest in Unit 4 to WPS Power Development.

<sup>d</sup>Duke Energy signed a 10-year agreement to lease the plant from the port of San Diego.

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

After an electric utility plant is sold and reclassified as nonutility plant, data for that plant is no longer collected on EIA Form-759, "Monthly Power Plant Report," and Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." Data collected prior to the sale will continue to be shown in this report. Consequently, a comparison between 1999 and historical State, Census Division, and U.S. level totals will be affected by the reclassification of plants.

# U.S. Electric Utility Net Generation

**Table 3. U.S. Electric Utility Net Generation, 1990 Through September 1999**  
(Million Kilowatthours)

Period	Coal	Petroleum <sup>1</sup>	Gas <sup>2</sup>	Nuclear	Hydro-electric	Geothermal	Other <sup>3</sup>	Total
<b>1990</b> .....	<b>1,559,606</b>	<b>117,017</b>	<b>264,089</b>	<b>576,862</b>	<b>279,926</b>	<b>8,581</b>	<b>2,070</b>	<b>2,808,151</b>
<b>1991</b> .....	<b>1,551,167</b>	<b>111,463</b>	<b>264,172</b>	<b>612,565</b>	<b>275,519</b>	<b>8,087</b>	<b>2,050</b>	<b>2,825,023</b>
<b>1992</b> .....	<b>1,575,895</b>	<b>88,916</b>	<b>263,872</b>	<b>618,776</b>	<b>239,559</b>	<b>8,104</b>	<b>2,096</b>	<b>2,797,219</b>
<b>1993</b> .....	<b>1,639,151</b>	<b>99,539</b>	<b>258,915</b>	<b>610,291</b>	<b>265,063</b>	<b>7,571</b>	<b>1,994</b>	<b>2,882,525</b>
<b>1994</b> .....	<b>1,635,493</b>	<b>91,039</b>	<b>291,115</b>	<b>640,440</b>	<b>243,693</b>	<b>6,941</b>	<b>1,992</b>	<b>2,910,712</b>
<b>1995</b> .....	<b>1,652,914</b>	<b>60,844</b>	<b>307,306</b>	<b>673,402</b>	<b>293,653</b>	<b>4,745</b>	<b>1,664</b>	<b>2,994,529</b>
<b>1996</b> .....	<b>1,737,453</b>	<b>67,346</b>	<b>262,730</b>	<b>674,729</b>	<b>327,970</b>	<b>5,234</b>	<b>1,980</b>	<b>3,077,442</b>
<b>1997</b>								
January .....	161,286	8,225	13,359	58,914	31,049	414	162	273,410
February .....	134,998	4,479	13,475	50,658	29,840	310	148	233,907
March .....	137,830	4,345	18,191	50,414	33,286	438	155	244,659
April .....	131,744	3,926	18,870	44,883	30,436	484	170	230,512
May .....	136,110	4,452	22,192	47,032	32,709	471	178	243,143
June .....	146,009	6,728	28,456	52,095	32,762	385	154	266,588
July .....	167,087	9,072	40,403	57,352	30,034	512	169	304,628
August .....	162,384	7,711	37,237	61,084	25,462	505	174	294,557
September.....	151,427	7,688	32,281	52,586	22,031	482	153	266,649
October.....	152,004	7,094	23,276	46,981	23,240	477	194	253,267
November.....	146,037	6,660	17,029	51,189	22,166	475	170	243,726
December.....	160,890	7,374	18,855	55,457	24,219	516	166	267,477
<b>Total</b> .....	<b>1,787,806</b>	<b>77,753</b>	<b>283,625</b>	<b>628,644</b>	<b>337,233</b>	<b>5,469</b>	<b>1,993</b>	<b>3,122,522</b>
<b>1998</b>								
January .....	156,658	6,390	16,352	57,889	27,482	491	172	265,435
February .....	136,465	5,686	12,879	50,999	28,776	390	145	235,340
March .....	144,487	8,682	18,787	53,711	30,252	487	169	256,575
April .....	132,282	6,817	18,479	47,503	26,889	320	168	232,457
May .....	145,357	9,534	27,238	51,496	30,981	288	182	265,077
June .....	157,403	12,140	35,055	55,732	30,216	354	130	291,029
July .....	172,895	13,611	42,186	61,499	26,708	448	173	317,521
August .....	172,348	13,042	42,837	60,369	23,282	483	177	312,538
September.....	155,068	10,539	36,120	57,206	19,621	474	171	279,198
October.....	144,436	7,339	23,927	57,429	17,537	523	188	251,380
November.....	137,915	7,401	17,187	57,372	18,595	466	152	239,089
December.....	152,166	8,977	18,175	62,497	24,062	451	205	266,532
<b>Total</b> .....	<b>1,807,480</b>	<b>110,158</b>	<b>309,222</b>	<b>673,702</b>	<b>304,403</b>	<b>5,176</b>	<b>2,030</b>	<b>3,212,171</b>
<b>1999</b>								
January .....	155,739	10,223	17,321	65,399	27,142	414	165	276,404
February .....	133,699	8,074	14,690	57,235	26,559	352	147	240,756
March .....	142,215	8,600	19,944	58,578	29,716	397	140	259,590
April .....	134,013	7,257	24,400	48,315	25,184	429	167	239,764
May .....	140,032	7,466	25,959	55,809	26,531	14	192	256,002
June .....	152,463	8,263	30,908	62,025	28,109	13	163	281,944
July .....	172,843	11,886	40,850	66,519	27,245	13	173	319,529
August .....	167,146	9,753	40,165	67,842	23,383	13	165	308,467
September.....	149,012	6,144	26,724	60,666	19,186	13	158	261,904
<b>Total</b> .....	<b>1,347,164</b>	<b>77,666</b>	<b>240,960</b>	<b>542,388</b>	<b>233,055</b>	<b>1,658</b>	<b>1,470</b>	<b>2,444,361</b>
<b>Year to Date</b>								
<b>1999</b> .....	<b>1,347,164</b>	<b>77,666</b>	<b>240,960</b>	<b>542,388</b>	<b>233,055</b>	<b>1,658</b>	<b>1,470</b>	<b>2,444,361</b>
<b>1998</b> .....	<b>1,372,962</b>	<b>86,441</b>	<b>249,934</b>	<b>496,404</b>	<b>244,209</b>	<b>3,736</b>	<b>1,485</b>	<b>2,455,170</b>
<b>1997</b> .....	<b>1,328,875</b>	<b>56,626</b>	<b>224,464</b>	<b>475,017</b>	<b>267,607</b>	<b>4,001</b>	<b>1,463</b>	<b>2,358,053</b>

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

<sup>2</sup> Includes supplemental gaseous fuel.

<sup>3</sup> Includes biomass, wind, photovoltaic, and solar thermal energy sources.

Notes: •Values for electric utilities for 1999 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 1998 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 1997 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report";

**Table 4. U.S. Electric Utility Net Generation by Nonrenewable Energy Source, 1990 Through September 1999**  
(Million Kilowatthours)

Period	All Nonrenewable Energy Sources	Coal <sup>2</sup>	Petroleum <sup>3</sup>	Gas	Nuclear	Hydroelectric <sup>4</sup> (Pumped Storage)
<b>1990</b> .....	<b>2,514,066</b>	<b>1,559,606</b>	<b>117,017</b>	<b>264,089</b>	<b>576,862</b>	<b>-3,508</b>
<b>1991</b> .....	<b>2,534,825</b>	<b>1,551,167</b>	<b>111,463</b>	<b>264,172</b>	<b>612,565</b>	<b>-4,541</b>
<b>1992</b> .....	<b>2,543,283</b>	<b>1,575,895</b>	<b>88,916</b>	<b>263,872</b>	<b>618,776</b>	<b>-4,177</b>
<b>1993</b> .....	<b>2,603,861</b>	<b>1,639,151</b>	<b>99,539</b>	<b>258,915</b>	<b>610,291</b>	<b>-4,036</b>
<b>1994</b> .....	<b>2,654,708</b>	<b>1,635,493</b>	<b>91,039</b>	<b>291,115</b>	<b>640,440</b>	<b>-3,378</b>
<b>1995</b> .....	<b>2,691,742</b>	<b>1,652,914</b>	<b>60,844</b>	<b>307,306</b>	<b>673,402</b>	<b>-2,725</b>
<b>1996</b> .....	<b>2,739,170</b>	<b>1,737,453</b>	<b>67,346</b>	<b>262,730</b>	<b>674,729</b>	<b>-3,088</b>
<b>1997</b>						
January.....	241,278	161,286	8,225	13,359	58,914	-507
February.....	203,277	134,998	4,479	13,475	50,658	-333
March.....	210,563	137,830	4,345	18,191	50,414	-217
April.....	199,149	131,744	3,926	18,870	44,883	-274
May.....	209,766	136,110	4,452	22,192	47,032	-19
June.....	233,061	146,009	6,728	28,456	52,095	-227
July.....	273,640	167,087	9,072	40,403	57,352	-274
August.....	268,117	162,384	7,711	37,237	61,084	-298
September.....	243,611	151,427	7,688	32,281	52,586	-371
October.....	228,915	152,004	7,094	23,276	46,981	-441
November.....	220,380	146,037	6,660	17,029	51,189	-535
December.....	242,031	160,890	7,374	18,855	55,457	-544
<b>Total</b> .....	<b>2,773,787</b>	<b>1,787,806</b>	<b>77,753</b>	<b>283,625</b>	<b>628,644</b>	<b>-4,041</b>
<b>1998</b>						
January.....	237,245	156,658	6,390	16,352	57,889	-44
February.....	206,154	136,465	5,686	12,879	50,999	125
March.....	225,651	144,487	8,682	18,787	53,711	-15
April.....	204,644	132,282	6,817	18,479	47,503	-437
May.....	232,899	145,357	9,534	27,238	51,496	-727
June.....	259,654	157,403	12,140	35,055	55,732	-675
July.....	289,525	172,895	13,611	42,186	61,499	-666
August.....	287,893	172,348	13,042	42,837	60,369	-703
September.....	258,660	155,068	10,539	36,120	57,206	-272
October.....	232,630	144,436	7,339	23,927	57,429	-501
November.....	219,347	137,915	7,401	17,187	57,372	-528
December.....	241,819	152,166	8,977	18,175	62,497	4
<b>Total</b> .....	<b>2,896,121</b>	<b>1,807,480</b>	<b>110,158</b>	<b>309,222</b>	<b>673,702</b>	<b>-4,441</b>
<b>1999</b>						
January.....	248,134	155,739	10,223	17,321	65,399	-548
February.....	213,342	133,699	8,074	14,690	57,235	-356
March.....	228,961	142,215	8,600	19,944	58,578	-377
April.....	213,522	134,013	7,257	24,400	48,315	-462
May.....	228,594	140,032	7,466	25,959	55,809	-672
June.....	253,101	152,463	8,263	30,908	62,025	-558
July.....	291,503	172,843	11,886	40,850	66,519	-595
August.....	284,160	167,146	9,753	40,165	67,842	-746
September.....	242,140	149,012	6,144	26,724	60,666	-407
<b>Total</b> .....	<b>2,203,457</b>	<b>1,347,164</b>	<b>77,666</b>	<b>240,960</b>	<b>542,388</b>	<b>-4,722</b>
<b>Year to Date</b>						
<b>1999</b> .....	<b>2,203,457</b>	<b>1,347,164</b>	<b>77,666</b>	<b>240,960</b>	<b>542,388</b>	<b>-4,722</b>
<b>1998</b> .....	<b>2,202,325</b>	<b>1,372,962</b>	<b>86,441</b>	<b>249,934</b>	<b>496,404</b>	<b>-3,415</b>
<b>1997</b> .....	<b>2,082,461</b>	<b>1,328,875</b>	<b>56,626</b>	<b>224,464</b>	<b>475,017</b>	<b>-2,521</b>

1 Preliminary data.

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

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

4 Pumping energy used for pumped storage plants for September 1999 was 2,827 million kilowatthours.

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1997 and prior years are final. •Totals may not equal sum of components because of independent rounding. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

**Table 5. U.S. Electric Utility Net Generation by Renewable Energy Source, 1990 Through September 1999**  
(Thousand Kilowatthours)

Period	All Renewable Energy Sources	Hydroelectric (Conventional)	Geothermal	Biomass	Wind	Photovoltaic
<b>1990</b> .....	<b>294,085,003</b>	<b>283,433,659</b>	<b>8,581,228</b>	<b>2,067,270</b>	<b>398</b>	<b>2,448</b>
<b>1991</b> .....	<b>290,197,798</b>	<b>280,060,621</b>	<b>8,087,055</b>	<b>2,046,499</b>	<b>285</b>	<b>3,338</b>
<b>1992</b> .....	<b>253,936,260</b>	<b>243,736,029</b>	<b>8,103,809</b>	<b>2,092,945</b>	<b>308</b>	<b>3,169</b>
<b>1993</b> .....	<b>278,663,780</b>	<b>269,098,329</b>	<b>7,570,999</b>	<b>1,990,407</b>	<b>243</b>	<b>3,802</b>
<b>1994</b> .....	<b>256,003,613</b>	<b>247,070,938</b>	<b>6,940,637</b>	<b>1,988,257</b>	<b>309</b>	<b>3,472</b>
<b>1995</b> .....	<b>302,786,828</b>	<b>296,377,840</b>	<b>4,744,804</b>	<b>1,649,178</b>	<b>11,097</b>	<b>3,909</b>
<b>1996</b> .....	<b>338,272,331</b>	<b>331,058,055</b>	<b>5,233,927</b>	<b>1,967,057</b>	<b>10,123</b>	<b>3,169</b>
<b>1997</b>						
January.....	32,132,786	31,555,924	414,430	162,133	219	80
February.....	30,630,175	30,172,535	309,699	147,510	198	233
March.....	34,096,006	33,503,081	437,818	154,531	270	306
April.....	31,363,287	30,709,450	484,260	168,566	589	422
May.....	33,376,829	32,728,115	470,792	176,925	637	360
June.....	33,526,969	32,988,644	384,659	152,194	940	532
July.....	30,988,417	30,308,053	511,676	167,269	926	493
August.....	26,439,540	25,759,878	505,424	172,864	964	410
September.....	23,037,823	22,402,182	482,357	152,581	473	230
October.....	24,351,853	23,681,131	476,849	193,152	499	222
November.....	23,345,846	22,700,846	475,091	169,665	132	112
December.....	25,445,551	24,763,608	516,055	165,677	130	81
<b>Total</b> .....	<b>348,735,082</b>	<b>341,273,447</b>	<b>5,469,110</b>	<b>1,983,067</b>	<b>5,977</b>	<b>3,481</b>
<b>1998</b>						
January.....	28,189,793	27,526,636	491,305	171,791	17	44
February.....	29,186,508	28,651,686	390,181	144,599	8	34
March.....	30,923,604	30,267,686	486,607	169,055	6	250
April.....	27,813,755	27,325,728	320,413	167,252	84	278
May.....	32,178,489	31,708,073	288,494	181,593	140	189
June.....	31,374,829	30,891,590	353,625	128,893	386	335
July.....	27,995,724	27,374,620	448,490	171,673	535	406
August.....	24,644,552	23,985,386	482,641	175,748	412	365
September.....	20,537,720	19,893,032	474,013	169,950	465	260
October.....	18,749,908	18,038,240	523,350	187,838	292	188
November.....	19,741,577	19,123,266	466,333	151,700	177	101
December.....	24,713,293	24,057,811	450,828	204,151	435	68
<b>Total</b> .....	<b>316,049,752</b>	<b>308,843,754</b>	<b>5,176,280</b>	<b>2,024,243</b>	<b>2,957</b>	<b>2,518</b>
<b>1999</b>						
January.....	28,269,728	27,690,264	414,341	163,665	1,411	47
February.....	27,413,934	26,914,747	351,981	145,853	1,267	86
March.....	30,629,591	30,092,783	396,761	137,839	1,973	235
April.....	26,242,224	25,646,356	429,345	164,590	1,597	336
May.....	27,408,333	27,202,494	13,708	190,647	1,096	388
June.....	28,843,219	28,667,624	12,689	161,516	985	405
July.....	28,025,834	27,839,748	12,805	170,851	2,022	408
August.....	24,307,236	24,129,507	13,075	162,676	1,643	335
September.....	19,764,689	19,593,328	13,139	156,371	1,618	233
<b>Total</b> .....	<b>240,904,788</b>	<b>237,776,851</b>	<b>1,657,844</b>	<b>1,454,008</b>	<b>13,612</b>	<b>2,473</b>
<b>Year to Date</b>						
<b>1999</b> .....	<b>240,904,788</b>	<b>237,776,851</b>	<b>1,657,844</b>	<b>1,454,008</b>	<b>13,612</b>	<b>2,473</b>
<b>1998</b> .....	<b>252,844,974</b>	<b>247,624,437</b>	<b>3,735,769</b>	<b>1,480,554</b>	<b>2,053</b>	<b>2,161</b>
<b>1997</b> .....	<b>275,591,832</b>	<b>270,127,862</b>	<b>4,001,115</b>	<b>1,454,573</b>	<b>5,216</b>	<b>3,066</b>

<sup>1</sup> Preliminary data.

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1997 and prior years are final. •Totals may not equal sum of components because of independent rounding. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
ECAR.....	42,467	48,234	43,689	407,940	400,619	1.8
ERCOT.....	21,957	27,379	23,318	183,485	187,850	-2.3
MAAC.....	17,288	20,681	19,450	167,035	173,624	-3.8
MAIN.....	20,737	22,755	20,576	185,102	165,603	11.8
MAPP (U.S.).....	13,832	15,478	13,789	126,089	125,647	.4
NPCC (U.S.).....	9,387	11,926	14,825	115,776	139,094	-16.8
SERC.....	52,067	62,773	53,613	477,752	483,875	-1.3
FRCC.....	14,720	17,098	15,442	122,743	123,339	NM
SPP.....	26,227	33,435	29,160	238,880	239,816	-4
WSCC (U.S.).....	42,356	47,825	44,461	411,216	407,576	.9
<b>Contiguous U.S.</b> .....	<b>261,038</b>	<b>307,583</b>	<b>278,322</b>	<b>2,436,018</b>	<b>2,447,041</b>	<b>-5</b>
ASCC.....	339	329	313	3,532	3,470	1.8
Hawaii.....	527	555	563	4,811	4,659	3.3
<b>U.S. Total</b> .....	<b>261,904</b>	<b>308,467</b>	<b>279,198</b>	<b>2,444,362</b>	<b>2,455,170</b>	<b>-4</b>

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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •See Glossary for explanation of acronyms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
<b>New England</b> .....	<b>3,406</b>	<b>3,911</b>	<b>4,474</b>	<b>36,129</b>	<b>51,618</b>	<b>-30.0</b>
Connecticut.....	1,693	2,030	1,520	15,022	10,875	38.1
Maine.....	1	1	164	1,265	2,667	-52.6
Massachusetts.....	218	210	1,171	5,835	22,012	-73.5
New Hampshire.....	1,076	1,261	1,209	10,117	10,824	-6.5
Rhode Island.....	1	1	1	9	2,059	-99.6
Vermont.....	417	408	409	3,881	3,181	22.0
<b>Middle Atlantic</b> .....	<b>21,750</b>	<b>27,046</b>	<b>28,474</b>	<b>232,489</b>	<b>245,504</b>	<b>-5.3</b>
New Jersey.....	3,102	4,021	3,320	29,378	27,207	8.0
New York.....	5,988	8,001	10,259	77,862	87,767	-11.3
Pennsylvania.....	12,660	15,024	14,895	125,249	130,530	-4.0
<b>East North Central</b> .....	<b>45,790</b>	<b>50,847</b>	<b>45,403</b>	<b>418,626</b>	<b>400,132</b>	<b>4.6</b>
Illinois.....	13,511	14,672	12,477	116,535	97,163	19.9
Indiana.....	9,616	10,270	9,821	86,126	85,705	.5
Michigan.....	7,497	8,125	6,760	67,027	64,325	4.2
Ohio.....	10,962	12,751	11,818	107,902	112,573	-4.1
Wisconsin.....	4,205	5,029	4,528	41,036	40,365	1.7
<b>West North Central</b> .....	<b>22,321</b>	<b>25,487</b>	<b>22,625</b>	<b>203,616</b>	<b>201,104</b>	<b>1.2</b>
Iowa.....	3,025	3,370	3,221	28,056	27,878	.6
Kansas.....	3,504	4,328	3,812	31,889	32,258	-1.1
Minnesota.....	3,704	4,216	3,720	33,409	32,821	1.8
Missouri.....	6,099	6,965	6,423	56,728	56,740	*
Nebraska.....	2,268	2,816	2,380	22,282	22,138	.7
North Dakota.....	2,638	2,655	2,354	23,145	22,422	3.2
South Dakota.....	1,082	1,138	715	8,106	6,847	18.4
<b>South Atlantic</b> .....	<b>57,668</b>	<b>69,585</b>	<b>61,074</b>	<b>526,713</b>	<b>525,280</b>	<b>.3</b>
Delaware.....	401	701	563	5,347	4,991	7.1
District of Columbia.....	8	55	7	231	246	-6.3
Florida.....	15,478	18,046	16,218	129,203	129,827	-.5
Georgia.....	10,000	12,063	10,165	83,992	84,699	-.8
Maryland.....	4,253	4,652	4,206	37,871	37,231	1.7
North Carolina.....	8,514	11,054	10,193	83,635	87,291	-4.2
South Carolina.....	7,411	8,593	6,871	66,220	65,017	1.9
Virginia.....	4,634	6,149	5,357	50,467	49,235	2.5
West Virginia.....	6,968	8,270	7,493	69,748	66,741	4.5
<b>East South Central</b> .....	<b>26,700</b>	<b>31,095</b>	<b>26,712</b>	<b>250,377</b>	<b>252,317</b>	<b>-.8</b>
Alabama.....	9,831	11,073	9,374	87,391	86,653	.9
Kentucky.....	6,384	7,732	7,042	69,922	66,904	4.5
Mississippi.....	2,868	3,679	3,071	25,694	25,638	.2
Tennessee.....	7,618	8,611	7,225	67,370	73,123	-7.9
<b>West South Central</b> .....	<b>40,169</b>	<b>50,781</b>	<b>43,872</b>	<b>348,636</b>	<b>353,297</b>	<b>-1.3</b>
Arkansas.....	3,523	4,273	4,386	33,551	32,413	3.5
Louisiana.....	5,973	7,493	6,274	49,325	51,154	-3.6
Oklahoma.....	4,096	5,883	5,054	39,996	40,756	-1.9
Texas.....	26,577	33,132	28,158	225,763	228,974	-1.4
<b>Mountain</b> .....	<b>25,595</b>	<b>27,611</b>	<b>25,386</b>	<b>222,352</b>	<b>218,883</b>	<b>1.6</b>
Arizona.....	7,395	7,917	7,027	62,261	60,624	2.7
Colorado.....	2,978	3,340	3,161	26,493	26,633	-.5
Idaho.....	731	1,074	744	10,311	9,801	5.2
Montana.....	2,286	2,585	2,271	21,094	20,808	1.4
Nevada.....	2,492	2,648	2,431	19,476	18,943	2.8
New Mexico.....	2,806	2,958	2,835	24,246	23,361	3.8
Utah.....	3,157	3,133	3,173	26,572	25,668	3.5
Wyoming.....	3,750	3,954	3,744	31,898	33,045	-3.5
<b>Pacific Contiguous</b> .....	<b>17,629</b>	<b>21,208</b>	<b>20,301</b>	<b>197,013</b>	<b>198,910</b>	<b>-1.0</b>
California.....	6,611	8,088	10,052	71,933	89,155	-19.3
Oregon.....	3,638	3,309	3,399	39,212	35,174	11.5
Washington.....	7,380	9,811	6,851	85,868	74,581	15.1
<b>Pacific Noncontiguous</b> .....	<b>877</b>	<b>897</b>	<b>876</b>	<b>8,409</b>	<b>8,126</b>	<b>3.5</b>
Alaska.....	349	339	313	3,552	3,468	2.4
Hawaii.....	528	558	563	4,858	4,657	4.3
<b>U.S. Total</b> .....	<b>261,904</b>	<b>308,467</b>	<b>279,198</b>	<b>2,444,362</b>	<b>2,455,170</b>	<b>-4</b>

\* = 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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Coal Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England</b> .....	<b>252</b>	<b>454</b>	<b>531</b>	<b>3,479</b>	<b>11,499</b>	<b>-69.7</b>	<b>9.6</b>	<b>22.3</b>
Connecticut.....	—	—	158	—	1,058	NM	—	9.7
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	124	162	84	1,191	7,802	-84.7	20.4	35.4
New Hampshire.....	128	291	288	2,288	2,639	-13.3	22.6	24.4
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>7,532</b>	<b>8,846</b>	<b>11,336</b>	<b>82,716</b>	<b>103,570</b>	<b>-20.1</b>	<b>35.6</b>	<b>42.2</b>
New Jersey.....	539	694	437	4,961	4,178	18.7	16.9	15.4
New York.....	346	357	1,948	9,983	17,523	-43.0	12.8	20.0
Pennsylvania.....	6,646	7,795	8,951	67,773	81,869	-17.2	54.1	62.7
<b>East North Central</b> .....	<b>33,691</b>	<b>37,690</b>	<b>35,197</b>	<b>313,808</b>	<b>319,228</b>	<b>-1.7</b>	<b>75.0</b>	<b>79.8</b>
Illinois.....	5,804	6,605	6,461	53,344	53,631	-5	45.8	55.2
Indiana.....	9,529	10,029	9,639	84,627	83,976	.8	98.3	98.0
Michigan.....	5,974	6,427	5,630	51,744	51,786	-.1	77.2	80.5
Ohio.....	9,464	11,051	10,253	94,637	99,449	-4.8	87.7	88.3
Wisconsin.....	2,920	3,578	3,213	29,457	30,385	-3.1	71.8	75.3
<b>West North Central</b> .....	<b>16,884</b>	<b>18,859</b>	<b>16,318</b>	<b>151,093</b>	<b>152,058</b>	<b>-6</b>	<b>74.2</b>	<b>75.6</b>
Iowa.....	2,595	2,828	2,679	23,812	24,041	-1.0	84.9	86.2
Kansas.....	2,505	2,816	2,463	22,378	21,869	2.3	70.2	67.8
Minnesota.....	2,321	2,773	2,437	21,705	22,050	-1.6	65.0	67.2
Missouri.....	5,227	5,921	5,170	46,374	47,558	-2.5	81.7	83.8
Nebraska.....	1,459	1,686	1,297	12,802	13,502	-5.2	57.5	61.0
North Dakota.....	2,423	2,394	2,165	21,002	20,595	2.0	90.7	91.9
South Dakota.....	354	441	107	3,021	2,444	23.6	37.3	35.7
<b>South Atlantic</b> .....	<b>33,225</b>	<b>39,419</b>	<b>35,385</b>	<b>300,981</b>	<b>298,735</b>	<b>.8</b>	<b>57.1</b>	<b>56.9</b>
Delaware.....	218	253	341	2,129	3,108	-31.5	39.8	62.3
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	5,828	6,370	5,858	46,760	49,833	-6.2	36.2	38.4
Georgia.....	6,710	8,131	7,282	56,215	54,553	3.0	66.9	64.4
Maryland.....	2,702	2,779	2,448	22,277	22,257	.1	58.8	59.8
North Carolina.....	5,475	7,144	6,368	52,316	53,519	-2.2	62.6	61.3
South Carolina.....	2,885	3,684	3,106	27,169	25,316	7.3	41.0	38.9
Virginia.....	2,465	2,813	2,510	24,745	23,919	3.5	49.0	48.6
West Virginia.....	6,941	8,244	7,472	69,370	66,229	4.7	99.5	99.2
<b>East South Central</b> .....	<b>18,707</b>	<b>21,438</b>	<b>18,576</b>	<b>174,040</b>	<b>169,317</b>	<b>2.8</b>	<b>69.5</b>	<b>67.1</b>
Alabama.....	6,690	7,253	6,391	55,311	53,043	4.3	63.3	61.2
Kentucky.....	6,186	7,404	6,753	67,160	63,817	5.2	96.0	95.4
Mississippi.....	1,145	1,437	961	9,667	9,633	.3	37.6	37.6
Tennessee.....	4,686	5,344	4,471	41,902	42,824	-2.2	62.2	58.6
<b>West South Central</b> .....	<b>18,946</b>	<b>20,141</b>	<b>18,256</b>	<b>158,723</b>	<b>158,243</b>	<b>.3</b>	<b>45.5</b>	<b>44.8</b>
Arkansas.....	2,192	1,974	2,364	18,139	16,792	8.0	54.1	51.8
Louisiana.....	1,967	2,267	1,757	15,502	15,989	-3.0	31.4	31.3
Oklahoma.....	2,667	3,120	2,910	23,320	25,059	-6.9	58.3	61.5
Texas.....	12,120	12,779	11,225	101,763	100,404	1.4	45.1	43.8
<b>Mountain</b> .....	<b>18,538</b>	<b>19,150</b>	<b>18,167</b>	<b>153,665</b>	<b>151,418</b>	<b>1.5</b>	<b>69.1</b>	<b>69.2</b>
Arizona.....	3,412	3,608	3,252	27,807	26,383	5.4	44.7	43.5
Colorado.....	2,823	2,886	2,878	23,896	24,663	-3.1	90.2	92.6
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1,468	1,559	1,465	12,147	12,181	-.3	57.6	58.5
Nevada.....	1,670	1,775	1,535	12,412	12,005	3.4	63.7	63.4
New Mexico.....	2,476	2,513	2,473	21,470	20,198	6.3	88.5	86.5
Utah.....	3,028	2,987	2,959	25,107	24,143	4.0	94.5	94.1
Wyoming.....	3,661	3,822	3,605	30,826	31,845	-3.2	96.6	96.4
<b>Pacific Contiguous</b> .....	<b>1,219</b>	<b>1,130</b>	<b>1,302</b>	<b>8,515</b>	<b>8,767</b>	<b>-2.9</b>	<b>4.3</b>	<b>4.4</b>
California.....	—	—	—	—	—	—	—	—
Oregon.....	353	357	374	2,569	2,222	15.6	6.6	6.3
Washington.....	866	772	928	5,946	6,546	-9.2	6.9	8.8
<b>Pacific Noncontiguous</b> .....	<b>18</b>	<b>20</b>	<b>—</b>	<b>143</b>	<b>127</b>	<b>12.3</b>	<b>1.7</b>	<b>1.6</b>
Alaska.....	18	20	—	143	127	12.3	4.0	3.7
Hawaii.....	—	—	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>149,012</b>	<b>167,146</b>	<b>155,068</b>	<b>1,347,164</b>	<b>1,372,962</b>	<b>-1.9</b>	<b>55.1</b>	<b>55.9</b>

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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Petroleum Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England</b> .....	<b>306</b>	<b>415</b>	<b>1,139</b>	<b>9,118</b>	<b>16,905</b>	<b>-46.1</b>	<b>25.2</b>	<b>32.8</b>
Connecticut.....	212	317	479	5,280	6,539	-19.3	35.1	60.1
Maine.....	NM	NM	65	682	1,207	-43.5	53.9	45.3
Massachusetts.....	12	8	523	1,688	8,109	-79.2	28.9	36.8
New Hampshire.....	77	87	70	1,437	1,006	42.8	14.2	9.3
Rhode Island.....	1	1	1	9	7	36.7	100.0	.3
Vermont.....	NM	NM	NM	22	38	-43.1	.6	1.2
<b>Middle Atlantic</b> .....	<b>834</b>	<b>1,534</b>	<b>1,661</b>	<b>13,997</b>	<b>14,449</b>	<b>-3.1</b>	<b>6.0</b>	<b>5.9</b>
New Jersey.....	16	111	70	525	463	13.3	1.8	1.7
New York.....	713	996	1,224	10,361	10,361	2.0	13.6	11.8
Pennsylvania.....	105	426	367	2,907	3,625	-19.8	2.3	2.8
<b>East North Central</b> .....	<b>165</b>	<b>308</b>	<b>347</b>	<b>2,616</b>	<b>2,727</b>	<b>-4.1</b>	<b>.6</b>	<b>.7</b>
Illinois.....	17	49	74	335	760	-55.9	.3	.8
Indiana.....	47	114	69	620	662	-6.3	.7	.8
Michigan.....	62	86	151	1,079	860	25.5	1.6	1.3
Ohio.....	27	45	32	385	275	40.0	.4	.2
Wisconsin.....	11	13	20	196	170	15.5	.5	.4
<b>West North Central</b> .....	<b>90</b>	<b>159</b>	<b>145</b>	<b>1,325</b>	<b>1,042</b>	<b>27.2</b>	<b>.7</b>	<b>.5</b>
Iowa.....	5	11	20	131	104	25.6	.5	.4
Kansas.....	3	35	NM	266	89	198.7	.8	.3
Minnesota.....	60	38	59	580	470	23.3	1.7	1.4
Missouri.....	14	67	47	261	274	-4.7	.5	.5
Nebraska.....	NM	5	4	29	40	-28.0	.1	.2
North Dakota.....	6	2	4	35	39	-11.3	.1	.2
South Dakota.....	1	2	3	23	24	-4.0	.3	.4
<b>South Atlantic</b> .....	<b>3,700</b>	<b>6,438</b>	<b>5,567</b>	<b>40,753</b>	<b>39,455</b>	<b>3.3</b>	<b>7.7</b>	<b>7.5</b>
Delaware.....	15	91	70	1,218	959	27.0	22.8	19.2
District of Columbia.....	8	55	7	231	246	-6.3	100.0	100.0
Florida.....	3,338	5,021	4,481	31,323	31,670	-1.1	24.2	24.4
Georgia.....	29	187	82	639	653	-2.2	.8	.8
Maryland.....	209	451	324	3,748	2,828	32.5	9.9	7.6
North Carolina.....	18	32	67	227	244	-7.0	.3	.3
South Carolina.....	12	61	25	256	305	-16.1	.4	.5
Virginia.....	54	520	500	2,979	2,397	24.3	5.9	4.9
West Virginia.....	17	19	11	132	152	-13.3	.2	.2
<b>East South Central</b> .....	<b>328</b>	<b>235</b>	<b>927</b>	<b>3,341</b>	<b>5,737</b>	<b>-41.8</b>	<b>1.3</b>	<b>2.3</b>
Alabama.....	4	4	41	129	201	-35.6	.1	.2
Kentucky.....	7	4	7	80	98	-18.2	.1	.1
Mississippi.....	299	171	657	2,669	4,794	-44.3	10.4	18.7
Tennessee.....	19	55	222	463	644	-28.1	.7	.9
<b>West South Central</b> .....	<b>108</b>	<b>40</b>	<b>113</b>	<b>608</b>	<b>617</b>	<b>-1.5</b>	<b>.2</b>	<b>.2</b>
Arkansas.....	8	24	22	118	110	6.4	.4	.3
Louisiana.....	91	2	82	380	415	-8.4	.8	.8
Oklahoma.....	2	1	1	6	5	24.8	*	*
Texas.....	7	12	8	105	87	20.1	*	*
<b>Mountain</b> .....	<b>14</b>	<b>18</b>	<b>15</b>	<b>183</b>	<b>184</b>	<b>-.4</b>	<b>.1</b>	<b>.1</b>
Arizona.....	3	3	4	36	52	-31.4	.1	.1
Colorado.....	1	NM	NM	23	28	-16.0	.1	.1
Idaho.....	*	*	*	*	*	NM	*	*
Montana.....	*	1	*	11	10	6.9	.1	.1
Nevada.....	*	1	3	28	19	47.6	.1	.1
New Mexico.....	3	2	1	31	17	79.4	.1	.1
Utah.....	2	2	2	19	25	-23.9	.1	.1
Wyoming.....	4	3	3	35	32	8.5	.1	.1
<b>Pacific Contiguous</b> .....	<b>6</b>	<b>6</b>	<b>15</b>	<b>51</b>	<b>108</b>	<b>-52.7</b>	<b>*</b>	<b>.1</b>
California.....	4	5	14	41	86	-52.4	.1	.1
Oregon.....	1	1	*	6	9	-35.3	*	*
Washington.....	1	1	1	4	13	-66.1	*	*
<b>Pacific Noncontiguous</b> .....	<b>593</b>	<b>599</b>	<b>611</b>	<b>5,675</b>	<b>5,218</b>	<b>8.8</b>	<b>67.5</b>	<b>64.2</b>
Alaska.....	NM	NM	NM	829	569	45.7	23.3	16.4
Hawaii.....	526	556	562	4,846	4,649	4.2	99.8	99.8
<b>U.S. Total</b> .....	<b>6,144</b>	<b>9,753</b>	<b>10,539</b>	<b>77,666</b>	<b>86,441</b>	<b>-10.2</b>	<b>3.2</b>	<b>3.5</b>

\* = 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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Includes fuel oil Nos. 2, 4, 5, and 6, crude oil, kerosene, and petroleum coke. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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



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

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Gas Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England</b> .....	<b>256</b>	<b>281</b>	<b>262</b>	<b>1,789</b>	<b>4,571</b>	<b>-60.9</b>	<b>5.0</b>	<b>8.9</b>
Connecticut.....	147	185	147	893	949	-5.9	5.9	8.7
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	89	76	115	846	1,560	-45.8	14.5	7.1
New Hampshire.....	13	9	—	32	8	298.3	.3	.1
Rhode Island.....	—	—	—	—	2,053	—	—	99.7
Vermont.....	7	11	—	18	1	2109.4	.5	*
<b>Middle Atlantic</b> .....	<b>1,606</b>	<b>2,558</b>	<b>2,296</b>	<b>17,755</b>	<b>19,780</b>	<b>-10.2</b>	<b>7.6</b>	<b>8.1</b>
New Jersey.....	278	589	307	2,797	2,693	3.8	9.5	9.9
New York.....	1,281	1,806	1,943	14,147	16,570	-14.6	18.2	18.9
Pennsylvania.....	47	163	46	812	517	57.1	.6	.4
<b>East North Central</b> .....	<b>372</b>	<b>807</b>	<b>1,114</b>	<b>6,996</b>	<b>8,123</b>	<b>-13.9</b>	<b>1.7</b>	<b>2.0</b>
Illinois.....	108	266	458	2,714	4,226	-35.8	2.3	4.3
Indiana.....	25	103	84	572	704	-18.7	.7	.8
Michigan.....	143	221	333	2,094	1,669	25.5	3.1	2.6
Ohio.....	39	90	90	728	472	54.1	.7	.4
Wisconsin.....	58	127	149	888	1,052	-15.6	2.2	2.6
<b>West North Central</b> .....	<b>293</b>	<b>1,230</b>	<b>1,033</b>	<b>5,215</b>	<b>5,171</b>	<b>.8</b>	<b>2.6</b>	<b>2.6</b>
Iowa.....	33	52	78	316	379	-16.5	1.1	1.4
Kansas.....	145	653	490	2,701	2,530	6.8	8.5	7.8
Minnesota.....	14	NM	124	484	571	-15.3	1.4	1.7
Missouri.....	81	367	237	1,206	1,133	6.4	2.1	2.0
Nebraska.....	16	56	79	338	378	-10.5	1.5	1.7
North Dakota.....	*	*	*	*	*	NM	*	*
South Dakota.....	5	30	25	169	181	-6.6	2.1	2.6
<b>South Atlantic</b> .....	<b>4,498</b>	<b>5,646</b>	<b>4,450</b>	<b>34,832</b>	<b>31,115</b>	<b>11.9</b>	<b>6.6</b>	<b>5.9</b>
Delaware.....	168	357	152	1,999	924	116.3	37.4	18.5
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	3,829	3,786	3,174	26,692	24,321	9.7	20.7	18.7
Georgia.....	165	507	267	1,557	1,659	-6.2	1.9	2.0
Maryland.....	86	227	209	1,185	972	21.9	3.1	2.6
North Carolina.....	44	254	179	741	923	-19.7	.9	1.1
South Carolina.....	12	124	67	329	402	-18.1	.5	.6
Virginia.....	193	390	399	2,303	1,885	22.2	4.6	3.8
West Virginia.....	2	2	2	25	28	-10.7	*	*
<b>East South Central</b> .....	<b>752</b>	<b>1,849</b>	<b>1,331</b>	<b>8,385</b>	<b>7,951</b>	<b>5.5</b>	<b>3.3</b>	<b>3.2</b>
Alabama.....	169	516	417	1,685	2,189	-23.0	1.9	2.5
Kentucky.....	38	93	92	417	454	-8.2	.6	.7
Mississippi.....	533	1,159	662	6,054	4,775	26.8	23.6	18.6
Tennessee.....	12	80	161	229	533	-57.0	.3	.7
<b>West South Central</b> .....	<b>15,931</b>	<b>24,132</b>	<b>19,844</b>	<b>136,515</b>	<b>137,392</b>	<b>-6</b>	<b>39.2</b>	<b>38.9</b>
Arkansas.....	354	721	618	3,231	3,514	-8.1	9.6	10.8
Louisiana.....	2,970	3,959	3,491	24,574	22,353	9.9	49.8	43.7
Oklahoma.....	1,348	2,600	2,048	13,893	13,352	4.0	34.7	32.8
Texas.....	11,259	16,853	13,687	94,817	98,173	-3.4	42.0	42.9
<b>Mountain</b> .....	<b>1,427</b>	<b>2,025</b>	<b>1,829</b>	<b>12,667</b>	<b>11,052</b>	<b>14.6</b>	<b>5.7</b>	<b>5.0</b>
Arizona.....	417	603	572	3,413	2,441	39.8	5.5	4.0
Colorado.....	19	275	138	1,331	721	84.7	5.0	2.7
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1	2	6	18	30	-41.0	.1	.1
Nevada.....	652	676	661	5,041	4,558	10.6	25.9	24.1
New Mexico.....	309	423	346	2,556	2,913	-12.2	10.5	12.5
Utah.....	NM	NM	NM	295	365	-19.1	1.1	1.4
Wyoming.....	1	*	1	13	24	-47.4	*	.1
<b>Pacific Contiguous</b> .....	<b>1,397</b>	<b>1,430</b>	<b>3,772</b>	<b>14,800</b>	<b>22,876</b>	<b>-35.3</b>	<b>7.5</b>	<b>11.5</b>
California.....	927	1,155	3,082	12,965	20,064	-35.4	18.0	22.5
Oregon.....	361	238	469	1,581	2,168	-27.1	4.0	6.2
Washington.....	108	36	220	254	644	-60.6	.3	.9
<b>Pacific Noncontiguous</b> .....	<b>193</b>	<b>210</b>	<b>188</b>	<b>2,007</b>	<b>1,901</b>	<b>5.5</b>	<b>23.9</b>	<b>23.4</b>
Alaska.....	193	210	188	2,007	1,901	5.5	56.5	54.8
Hawaii.....	—	—	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>26,724</b>	<b>40,165</b>	<b>36,120</b>	<b>240,960</b>	<b>249,934</b>	<b>-3.6</b>	<b>9.9</b>	<b>10.2</b>

\* = 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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Hydroelectric Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England</b> .....	<b>68</b>	<b>-15</b>	<b>144</b>	<b>1,557</b>	<b>3,737</b>	<b>-58.3</b>	<b>4.3</b>	<b>7.2</b>
Connecticut.....	24	2	3	262	327	-20.0	1.7	3.0
Maine.....	—	—	99	582	1,460	-60.1	46.0	54.7
Massachusetts.....	-6	-37	-1	179	308	-42.0	3.1	1.4
New Hampshire.....	23	10	15	235	905	-74.0	2.3	8.4
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	27	NM	NM	298	737	-59.5	7.7	23.2
<b>Middle Atlantic</b> .....	<b>1,381</b>	<b>1,340</b>	<b>1,963</b>	<b>16,150</b>	<b>22,063</b>	<b>-26.8</b>	<b>6.9</b>	<b>9.0</b>
New Jersey.....	-14	-15	-11	-111	-109	NM	-4	-4
New York.....	1,315	1,370	1,982	15,345	20,612	-25.6	19.7	23.5
Pennsylvania.....	80	-15	-7	916	1,560	-41.3	.7	1.2
<b>East North Central</b> .....	<b>134</b>	<b>230</b>	<b>146</b>	<b>2,394</b>	<b>2,241</b>	<b>6.8</b>	<b>.6</b>	<b>.6</b>
Illinois.....	3	2	5	16	36	-54.7	*	*
Indiana.....	15	24	29	308	364	-15.4	.4	.4
Michigan.....	-2	3	25	363	297	22.5	.5	.5
Ohio.....	19	26	28	295	299	-1.2	.3	.3
Wisconsin.....	100	175	58	1,412	1,246	13.3	3.4	3.1
<b>West North Central</b> .....	<b>1,251</b>	<b>1,301</b>	<b>1,130</b>	<b>11,319</b>	<b>10,007</b>	<b>13.1</b>	<b>5.6</b>	<b>5.0</b>
Iowa.....	79	88	67	737	661	11.5	2.6	2.4
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	83	85	NM	641	467	37.5	1.9	1.4
Missouri.....	9	46	140	1,690	1,635	3.3	3.0	2.9
Nebraska.....	149	156	136	1,249	1,258	-7	5.6	5.7
North Dakota.....	209	259	185	2,108	1,788	17.9	9.1	8.0
South Dakota.....	722	666	580	4,893	4,198	16.6	60.4	61.3
<b>South Atlantic</b> .....	<b>417</b>	<b>342</b>	<b>413</b>	<b>5,633</b>	<b>13,006</b>	<b>-56.7</b>	<b>1.1</b>	<b>2.5</b>
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	7	16	19	130	146	-10.9	.1	.1
Georgia.....	178	229	227	2,048	4,436	-53.8	2.4	5.2
Maryland.....	92	20	20	1,106	1,658	-33.3	2.9	4.5
North Carolina.....	196	220	193	2,038	3,654	-44.2	2.4	4.2
South Carolina.....	15	-34	38	546	2,365	-76.9	.8	3.6
Virginia.....	-80	-114	-92	-456	416	NM	-9	.8
West Virginia.....	8	5	8	221	331	-33.3	.3	.5
<b>East South Central</b> .....	<b>952</b>	<b>1,321</b>	<b>1,186</b>	<b>14,057</b>	<b>19,565</b>	<b>-28.2</b>	<b>5.6</b>	<b>7.8</b>
Alabama.....	332	446	397	6,622	9,100	-27.2	7.6	10.5
Kentucky.....	154	231	190	2,265	2,535	-10.6	3.2	3.8
Mississippi.....	—	—	—	—	—	—	—	—
Tennessee.....	466	644	599	5,169	7,930	-34.8	7.7	10.8
<b>West South Central</b> .....	<b>276</b>	<b>546</b>	<b>308</b>	<b>6,125</b>	<b>6,163</b>	<b>-6</b>	<b>1.8</b>	<b>1.7</b>
Arkansas.....	132	275	144	2,331	2,565	-9.1	6.9	7.9
Louisiana.....	—	—	—	—	—	—	—	—
Oklahoma.....	78	161	96	2,778	2,341	18.7	6.9	5.7
Texas.....	65	110	69	1,015	1,257	-19.2	.4	.5
<b>Mountain</b> .....	<b>2,933</b>	<b>3,617</b>	<b>3,084</b>	<b>32,483</b>	<b>33,240</b>	<b>-2.3</b>	<b>14.6</b>	<b>15.2</b>
Arizona.....	893	916	919	7,732	8,878	-12.9	12.4	14.6
Colorado.....	135	173	143	1,243	1,222	1.7	4.7	4.6
Idaho.....	731	1,074	744	10,311	9,800	5.2	100.0	100.0
Montana.....	818	1,023	800	8,918	8,587	3.9	42.3	41.3
Nevada.....	169	197	232	1,994	2,361	-15.5	10.2	12.5
New Mexico.....	18	21	15	190	233	-18.5	.8	1.0
Utah.....	85	86	95	1,069	1,015	5.4	4.0	4.0
Wyoming.....	85	128	135	1,025	1,144	-10.4	3.2	3.5
<b>Pacific Contiguous</b> .....	<b>11,703</b>	<b>14,633</b>	<b>11,170</b>	<b>142,753</b>	<b>133,307</b>	<b>7.1</b>	<b>72.5</b>	<b>67.0</b>
California.....	2,733	3,648	3,765	32,512	39,865	-18.4	45.2	44.7
Oregon.....	2,923	2,712	2,555	35,056	30,775	13.9	89.4	87.5
Washington.....	6,047	8,273	4,850	75,186	62,667	20.0	87.6	84.0
<b>Pacific Noncontiguous</b> .....	<b>73</b>	<b>68</b>	<b>77</b>	<b>585</b>	<b>879</b>	<b>-33.5</b>	<b>7.0</b>	<b>10.8</b>
Alaska.....	NM	NM	NM	573	871	-34.2	16.1	25.1
Hawaii.....	1	1	1	12	9	38.7	.2	.2
<b>U.S. Total</b> .....	<b>19,186</b>	<b>23,383</b>	<b>19,621</b>	<b>233,055</b>	<b>244,209</b>	<b>-4.6</b>	<b>9.5</b>	<b>9.9</b>

\* = 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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Pumping energy used at pumped storage plants for September 1999 was 2,827 million kilowatthours. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Nuclear Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England</b> .....	<b>2,474</b>	<b>2,721</b>	<b>2,355</b>	<b>19,663</b>	<b>14,474</b>	<b>35.8</b>	<b>54.4</b>	<b>28.0</b>
Connecticut.....	1,272	1,488	702	8,243	1,688	388.4	54.9	15.5
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	450	1,931	4,232	-54.4	33.1	19.2
New Hampshire.....	834	863	836	6,125	6,267	-2.3	60.5	57.9
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	367	371	366	3,363	2,287	47.1	86.7	71.9
<b>Middle Atlantic</b> .....	<b>10,398</b>	<b>12,768</b>	<b>11,218</b>	<b>101,870</b>	<b>85,638</b>	<b>19.0</b>	<b>43.8</b>	<b>34.9</b>
New Jersey.....	2,282	2,642	2,518	21,207	19,982	6.1	72.2	73.4
New York.....	2,333	3,472	3,161	27,822	22,697	22.6	35.7	25.9
Pennsylvania.....	5,783	6,654	5,539	52,842	42,959	23.0	42.2	32.9
<b>East North Central</b> .....	<b>11,404</b>	<b>11,786</b>	<b>8,561</b>	<b>92,552</b>	<b>67,478</b>	<b>37.2</b>	<b>22.1</b>	<b>16.9</b>
Illinois.....	7,580	7,751	5,478	60,125	38,510	56.1	51.6	39.6
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	1,320	1,388	620	11,747	9,713	20.9	17.5	15.1
Ohio.....	1,413	1,538	1,414	11,857	12,078	-1.8	11.0	10.7
Wisconsin.....	1,091	1,110	1,049	8,823	7,177	22.9	21.5	17.8
<b>West North Central</b> .....	<b>3,761</b>	<b>3,895</b>	<b>3,954</b>	<b>34,293</b>	<b>32,440</b>	<b>5.7</b>	<b>16.8</b>	<b>16.1</b>
Iowa.....	311	388	373	3,045	2,679	13.7	10.9	9.6
Kansas.....	851	824	851	6,544	7,770	-15.8	20.5	24.1
Minnesota.....	1,193	1,209	1,040	9,683	8,934	8.4	29.0	27.2
Missouri.....	764	560	826	7,157	6,096	17.4	12.6	10.7
Nebraska.....	643	914	863	7,864	6,960	13.0	35.3	31.4
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	<b>15,828</b>	<b>17,740</b>	<b>15,259</b>	<b>144,514</b>	<b>142,969</b>	<b>1.1</b>	<b>27.4</b>	<b>27.2</b>
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	2,476	2,853	2,686	24,298	23,858	1.8	18.8	18.4
Georgia.....	2,918	3,009	2,307	23,533	23,398	.6	28.0	27.6
Maryland.....	1,165	1,175	1,205	9,555	9,516	.4	25.2	25.6
North Carolina.....	2,781	3,404	3,387	28,314	28,951	-2.2	33.9	33.2
South Carolina.....	4,487	4,758	3,635	37,920	36,629	3.5	57.3	56.3
Virginia.....	2,001	2,541	2,039	20,895	20,617	1.3	41.4	41.9
West Virginia.....	—	—	—	—	—	—	—	—
<b>East South Central</b> .....	<b>5,961</b>	<b>6,253</b>	<b>4,692</b>	<b>50,555</b>	<b>49,748</b>	<b>1.6</b>	<b>20.2</b>	<b>19.7</b>
Alabama.....	2,636	2,855	2,128	23,644	22,120	6.9	27.1	25.5
Kentucky.....	—	—	—	—	—	—	—	—
Mississippi.....	890	911	792	7,305	6,435	13.5	28.4	25.1
Tennessee.....	2,435	2,487	1,772	19,606	21,193	-7.5	29.1	29.0
<b>West South Central</b> .....	<b>4,907</b>	<b>5,922</b>	<b>5,352</b>	<b>46,665</b>	<b>50,882</b>	<b>-8.3</b>	<b>13.4</b>	<b>14.4</b>
Arkansas.....	837	1,279	1,238	9,733	9,432	3.2	29.0	29.1
Louisiana.....	946	1,265	945	8,870	12,398	-28.5	18.0	24.2
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	3,125	3,378	3,169	28,063	29,053	-3.4	12.4	12.7
<b>Mountain</b> .....	<b>2,669</b>	<b>2,787</b>	<b>2,279</b>	<b>23,273</b>	<b>22,870</b>	<b>1.8</b>	<b>10.5</b>	<b>10.4</b>
Arizona.....	2,669	2,787	2,279	23,273	22,870	1.8	37.4	37.7
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—
<b>Pacific Contiguous</b> .....	<b>3,263</b>	<b>3,970</b>	<b>3,537</b>	<b>29,003</b>	<b>29,906</b>	<b>-3.0</b>	<b>14.7</b>	<b>15.0</b>
California.....	2,936	3,270	2,718	24,724	25,430	-2.8	34.4	28.5
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	327	700	819	4,279	4,476	-4.4	5.0	6.0
<b>Pacific Noncontiguous</b> .....	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>60,666</b>	<b>67,842</b>	<b>57,206</b>	<b>542,388</b>	<b>496,404</b>	<b>9.3</b>	<b>22.2</b>	<b>20.2</b>

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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Other Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England</b> .....	<b>51</b>	<b>55</b>	<b>44</b>	<b>524</b>	<b>431</b>	<b>21.5</b>	<b>1.4</b>	<b>0.8</b>
Connecticut.....	39	40	29	344	313	9.8	2.3	2.9
Maine.....	*	*	—	*	—	NM	*	—
Massachusetts.....	—	—	—	—	—	—	—	—
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	12	15	15	180	118	52.1	4.6	3.7
<b>Middle Atlantic</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>*</b>	<b>5</b>	<b>NM</b>	<b>*</b>	<b>*</b>
New Jersey.....	—	—	—	—	—	—	—	—
New York.....	—	—	*	*	5	NM	*	*
Pennsylvania.....	—	—	—	—	—	—	—	—
<b>East North Central</b> .....	<b>25</b>	<b>26</b>	<b>39</b>	<b>260</b>	<b>334</b>	<b>-22.2</b>	<b>.1</b>	<b>.1</b>
Illinois.....	—	—	—	—	—	—	—	—
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	—	—	—	—	—
Ohio.....	—	—	—	—	—	—	—	—
Wisconsin.....	25	26	39	260	334	-22.2	.6	.8
<b>West North Central</b> .....	<b>40</b>	<b>44</b>	<b>44</b>	<b>371</b>	<b>386</b>	<b>-3.8</b>	<b>.2</b>	<b>.2</b>
Iowa.....	2	3	2	15	14	3.2	.1	.1
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	33	37	38	316	328	-3.7	.9	1.0
Missouri.....	5	5	4	40	43	-6.9	.1	.1
Nebraska.....	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	—	—	—	—	—	—	—	—
Georgia.....	—	—	—	—	—	—	—	—
Maryland.....	—	—	—	—	—	—	—	—
North Carolina.....	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—
Virginia.....	—	—	—	—	—	—	—	—
West Virginia.....	—	—	—	—	—	—	—	—
<b>East South Central</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Alabama.....	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	—	—	—	—	—
Tennessee.....	—	—	—	—	—	—	—	—
<b>West South Central</b> .....	<b>*</b>	<b>*</b>	<b>—</b>	<b>*</b>	<b>*</b>	<b>NM</b>	<b>*</b>	<b>*</b>
Arkansas.....	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	*	*	—	*	*	NM	*	*
<b>Mountain</b> .....	<b>13</b>	<b>13</b>	<b>12</b>	<b>82</b>	<b>119</b>	<b>-31.6</b>	<b>*</b>	<b>.1</b>
Arizona.....	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	13	13	12	82	119	-31.6	.3	.5
Wyoming.....	—	—	—	—	—	—	—	—
<b>Pacific Contiguous</b> .....	<b>42</b>	<b>39</b>	<b>506</b>	<b>1,891</b>	<b>3,945</b>	<b>-52.1</b>	<b>1.0</b>	<b>2.0</b>
California.....	11	11	473	1,692	3,709	-54.4	2.4	4.2
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	31	28	33	200	236	-15.5	.2	.3
<b>Pacific Noncontiguous</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>171</b>	<b>178</b>	<b>645</b>	<b>3,128</b>	<b>5,221</b>	<b>-40.1</b>	<b>.1</b>	<b>.2</b>

\* = 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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Other energy sources include geothermal, wood, wind, waste, and solar. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

# U.S. Electric Utility Consumption of Fossil Fuels

**Table 14. U.S. Electric Utility Consumption of Fossil Fuels, 1989 Through September 1999**

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)	Gas (thousand Mcf)
	Anthracite <sup>1</sup>	Bituminous <sup>2</sup>	Lignite	Total	Light	Heavy	Total		
1989.....	1,049	688,504	77,335	766,888	25,491	241,960	267,451	517	2,787,012
1990.....	1,031	694,317	78,201	773,549	14,823	181,231	196,054	819	2,787,332
1991.....	994	691,275	79,999	772,268	13,729	171,157	184,886	722	2,789,014
1992.....	986	698,626	80,248	779,860	11,556	135,779	147,335	999	2,765,608
1993.....	951	732,736	79,821	813,508	13,168	149,287	162,454	1220	2,682,440
1994.....	1,123	737,102	79,045	817,270	16,338	134,666	151,004	875	2,987,146
1995.....	978	749,951	78,078	829,007	15,565	86,584	102,150	761	3,196,507
1996.....	1,009	795,252	78,421	874,681	16,892	96,382	113,274	681	2,732,107
<b>1997</b>									
January.....	97	74,109	7,082	81,288	1,708	11,944	13,652	56	139,036
February.....	86	61,786	6,204	68,076	861	6,282	7,143	55	143,185
March.....	89	63,573	5,728	69,389	852	6,050	6,902	35	189,590
April.....	93	60,372	4,831	65,296	1,060	5,121	6,181	103	193,416
May.....	72	62,201	6,129	68,402	967	6,124	7,091	135	231,548
June.....	75	67,036	6,852	73,963	1,397	9,707	11,104	144	297,424
July.....	91	77,514	7,122	84,727	2,605	12,502	15,107	144	429,286
August.....	82	75,403	7,146	82,631	1,372	10,808	12,180	160	391,090
September.....	85	69,710	6,537	76,332	1,053	11,005	12,058	161	332,781
October.....	88	69,729	6,415	76,232	1,118	10,237	11,354	140	244,394
November.....	67	66,904	6,392	73,362	1,053	9,647	10,700	135	179,723
December.....	89	73,486	7,086	80,661	1,110	10,564	11,674	132	196,980
<b>Total.....</b>	<b>1,013</b>	<b>821,823</b>	<b>77,524</b>	<b>900,361</b>	<b>15,157</b>	<b>109,989</b>	<b>125,146</b>	<b>1400</b>	<b>2,968,453</b>
<b>1998</b>									
January.....	84	72,384	7,051	79,520	1,062	9,014	10,076	156	171,149
February.....	75	63,061	5,960	69,097	831	8,185	9,016	122	133,757
March.....	84	65,942	5,791	71,817	1,215	12,707	13,921	125	194,258
April.....	75	61,064	5,335	66,474	994	9,688	10,682	141	190,201
May.....	83	66,544	6,240	72,867	2,046	13,363	15,409	146	290,368
June.....	74	72,397	6,545	79,016	3,183	16,802	19,984	167	378,607
July.....	70	79,798	7,321	87,189	3,448	19,254	22,702	176	449,354
August.....	58	79,823	7,183	87,064	3,189	18,754	21,943	165	456,960
September.....	52	71,635	6,391	78,078	2,670	14,621	17,292	156	381,075
October.....	74	66,548	6,785	73,407	1,005	10,627	11,632	144	246,171
November.....	75	63,204	6,173	69,452	1,019	10,628	11,647	141	177,596
December.....	61	69,695	7,131	76,887	1,380	12,930	14,310	130	188,557
<b>Total.....</b>	<b>867</b>	<b>832,094</b>	<b>77,906</b>	<b>910,867</b>	<b>22,041</b>	<b>156,573</b>	<b>178,614</b>	<b>1769</b>	<b>3,258,054</b>
<b>1999</b>									
January.....	58	71,970	6,842	78,870	2,419	14,333	16,752	130	178,592
February.....	61	61,507	5,921	67,489	905	12,128	13,034	108	151,958
March.....	71	65,536	5,314	70,922	1,119	12,601	13,719	137	206,430
April.....	65	61,820	5,264	67,149	1,769	10,107	11,876	123	255,694
May.....	1	64,708	6,046	70,755	1,311	10,713	12,024	138	272,705
June.....	40	69,954	6,807	76,801	2,306	11,895	14,201	139	323,665
July.....	54	80,247	7,236	87,537	5,027	15,890	20,917	169	436,024
August.....	52	77,498	7,202	84,752	3,024	13,531	16,556	186	433,878
September.....	33	68,796	6,744	75,574	1,287	8,971	10,258	115	280,898
<b>Total.....</b>	<b>436</b>	<b>622,036</b>	<b>57,377</b>	<b>679,849</b>	<b>19,167</b>	<b>110,169</b>	<b>129,336</b>	<b>1246</b>	<b>2,539,844</b>
<b>Year to Date</b>									
<b>1999.....</b>	<b>436</b>	<b>622,036</b>	<b>57,377</b>	<b>679,849</b>	<b>19,167</b>	<b>110,169</b>	<b>129,336</b>	<b>1246</b>	<b>2,539,844</b>
<b>1998.....</b>	<b>656</b>	<b>632,647</b>	<b>57,817</b>	<b>691,121</b>	<b>18,637</b>	<b>122,388</b>	<b>141,025</b>	<b>1354</b>	<b>2,645,729</b>
<b>1997.....</b>	<b>770</b>	<b>611,704</b>	<b>57,631</b>	<b>670,105</b>	<b>11,875</b>	<b>79,542</b>	<b>91,417</b>	<b>993</b>	<b>2,347,356</b>

<sup>1</sup> Includes anthracite silt stored off-site.

<sup>2</sup> Includes subbituminous coal.

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1997 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Mcf=thousand cubic feet. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
ECAR.....	17,161	19,460	17,831	163,580	164,637	-0.6
ERCOT.....	6,890	7,335	6,483	57,906	57,428	.8
MAAC.....	3,156	3,538	3,641	29,313	34,275	-14.5
MAIN.....	6,306	7,355	7,001	58,561	59,028	-8
MAPP (U.S.).....	6,623	7,521	6,762	61,677	63,753	-3.3
NPCC (U.S.).....	244	330	1,041	5,957	11,431	-47.9
SERC.....	13,694	16,390	14,133	122,943	120,825	1.8
FRCC.....	2,135	2,262	2,129	16,901	18,345	NM
SPP.....	9,295	10,024	9,062	78,774	79,414	-8
WSCC (U.S.).....	10,063	10,528	9,996	84,127	81,861	2.8
<b>Contiguous U.S.</b> .....	<b>75,567</b>	<b>84,743</b>	<b>78,078</b>	<b>679,739</b>	<b>690,997</b>	<b>-1.6</b>
ASCC.....	7	9	—	110	123	-11.0
Hawaii.....	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>75,574</b>	<b>84,752</b>	<b>78,078</b>	<b>679,849</b>	<b>691,121</b>	<b>-1.6</b>

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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •See Glossary for explanation of acronyms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
ECAR.....	261	439	457	3,983	3,219	23.7
ERCOT.....	10	25	15	170	156	9.0
MAAC.....	797	1,980	1,505	15,490	14,353	7.9
MAIN.....	53	154	158	1,013	1,570	-35.4
MAPP (U.S.).....	50	67	113	808	801	.8
NPCC (U.S.).....	1,839	2,550	3,974	35,029	45,419	-22.9
SERC.....	291	1,694	1,723	8,511	8,524	-2
FRCC.....	5,187	8,014	6,825	47,951	48,231	NM
SPP.....	714	538	1,396	6,165	9,096	-32.2
WSCC (U.S.).....	36	46	67	445	589	-24.5
<b>Contiguous U.S.</b> .....	<b>9,237</b>	<b>15,509</b>	<b>16,233</b>	<b>119,565</b>	<b>131,958</b>	<b>-9.4</b>
ASCC.....	95	78	94	1,472	1,027	43.3
Hawaii.....	925	969	965	8,299	8,040	3.2
<b>U.S. Total</b> .....	<b>10,258</b>	<b>16,556</b>	<b>17,292</b>	<b>129,336</b>	<b>141,025</b>	<b>-8.3</b>

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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •See Glossary for explanation of acronyms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
ECAR.....	5,084	8,669	8,691	64,699	58,647	10.3
ERCOT.....	97,760	150,285	120,752	793,564	836,402	-5.1
MAAC.....	6,403	14,197	7,865	70,032	54,473	28.6
MAIN.....	2,514	5,513	7,934	48,018	65,809	-27.0
MAPP (U.S.).....	1,106	2,863	4,215	18,294	21,634	-15.4
NPCC (U.S.).....	16,789	22,793	23,197	167,846	215,721	-22.2
SERC.....	10,428	28,494	20,949	120,037	127,191	-5.6
FRCC.....	33,996	33,644	27,137	234,615	214,867	NM
SPP.....	75,546	130,249	100,401	723,075	680,819	6.2
WSCC (U.S.).....	29,072	34,896	57,532	278,073	349,201	-20.4
<b>Contiguous U.S.</b> .....	<b>278,697</b>	<b>431,601</b>	<b>378,673</b>	<b>2,518,253</b>	<b>2,624,762</b>	<b>-4.1</b>
ASCC.....	2,201	2,277	2,402	21,590	20,967	3.0
Hawaii.....	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>280,898</b>	<b>433,878</b>	<b>381,075</b>	<b>2,539,844</b>	<b>2,645,729</b>	<b>-4.0</b>

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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •See Glossary for explanation of acronyms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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



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

Census Division and State	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
<b>New England</b> .....	<b>107</b>	<b>188</b>	<b>220</b>	<b>1,386</b>	<b>4,523</b>	<b>-69.4</b>
Connecticut.....	—	—	66	—	425	NM
Maine.....	—	—	—	—	—	—
Massachusetts.....	46	62	31	459	2,991	-84.7
New Hampshire.....	62	125	124	927	1,107	-16.3
Rhode Island.....	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>3,048</b>	<b>3,635</b>	<b>4,580</b>	<b>33,325</b>	<b>41,939</b>	<b>-20.5</b>
New Jersey.....	222	286	182	1,993	1,788	11.5
New York.....	136	142	784	4,023	7,016	-42.7
Pennsylvania.....	2,689	3,207	3,613	27,309	33,136	-17.6
<b>East North Central</b> .....	<b>16,600</b>	<b>18,764</b>	<b>17,279</b>	<b>153,780</b>	<b>155,967</b>	<b>-1.4</b>
Illinois.....	3,222	3,699	3,603	29,417	29,103	1.1
Indiana.....	4,700	4,954	4,763	41,539	41,881	-0.8
Michigan.....	2,922	3,159	2,765	25,184	25,458	-1.1
Ohio.....	4,031	4,800	4,317	40,244	42,157	-4.5
Wisconsin.....	1,725	2,152	1,830	17,397	17,367	0.2
<b>West North Central</b> .....	<b>10,944</b>	<b>12,151</b>	<b>10,594</b>	<b>97,667</b>	<b>98,075</b>	<b>-0.4</b>
Iowa.....	1,615	1,784	1,692	14,921	15,155	-1.5
Kansas.....	1,605	1,783	1,556	14,200	13,761	3.2
Minnesota.....	1,369	1,620	1,463	12,896	13,238	-2.6
Missouri.....	3,119	3,514	3,115	27,664	28,235	-2.0
Nebraska.....	911	1,064	815	8,103	8,508	-4.8
North Dakota.....	2,078	2,091	1,882	18,031	17,702	1.9
South Dakota.....	248	296	71	1,853	1,476	25.6
<b>South Atlantic</b> .....	<b>13,387</b>	<b>15,833</b>	<b>14,229</b>	<b>120,864</b>	<b>121,084</b>	<b>-0.2</b>
Delaware.....	101	113	142	959	1,292	-25.8
District of Columbia.....	—	—	—	—	—	—
Florida.....	2,448	2,639	2,454	19,588	21,055	-7.0
Georgia.....	2,786	3,386	3,030	24,107	23,814	1.2
Maryland.....	1,009	1,020	917	8,260	8,470	-2.5
North Carolina.....	2,133	2,796	2,491	20,202	20,886	-3.3
South Carolina.....	1,120	1,430	1,209	10,535	9,988	5.5
Virginia.....	979	1,146	945	9,674	9,373	3.2
West Virginia.....	2,812	3,302	3,042	27,538	26,205	5.1
<b>East South Central</b> .....	<b>8,260</b>	<b>9,485</b>	<b>8,038</b>	<b>76,982</b>	<b>74,030</b>	<b>4.0</b>
Alabama.....	3,082	3,302	2,763	25,143	23,401	7.4
Kentucky.....	2,716	3,275	2,899	29,874	27,706	7.8
Mississippi.....	508	650	470	4,409	4,718	-6.6
Tennessee.....	1,955	2,258	1,907	17,556	18,204	-3.6
<b>West South Central</b> .....	<b>12,839</b>	<b>13,620</b>	<b>12,431</b>	<b>107,458</b>	<b>107,692</b>	<b>-0.2</b>
Arkansas.....	1,343	1,195	1,452	11,043	10,432	5.9
Louisiana.....	1,295	1,492	1,162	10,145	10,596	-4.3
Oklahoma.....	1,611	1,868	1,766	14,004	15,216	-8.0
Texas.....	8,590	9,065	8,052	72,265	71,448	1.1
<b>Mountain</b> .....	<b>9,613</b>	<b>10,346</b>	<b>9,895</b>	<b>82,778</b>	<b>82,003</b>	<b>0.9</b>
Arizona.....	1,703	1,844	1,657	13,967	13,365	4.5
Colorado.....	1,518	1,563	1,548	13,038	13,150	-0.8
Idaho.....	—	—	—	—	—	—
Montana.....	934	1,000	947	7,756	7,792	-0.5
Nevada.....	757	801	728	5,701	5,607	1.7
New Mexico.....	1,414	1,445	1,421	12,471	11,667	6.9
Utah.....	1,307	1,313	1,281	10,935	10,723	2.0
Wyoming.....	1,979	2,381	2,312	18,911	19,699	-4.0
<b>Pacific Contiguous</b> .....	<b>758</b>	<b>710</b>	<b>813</b>	<b>5,477</b>	<b>5,684</b>	<b>-3.6</b>
California.....	—	—	—	—	—	—
Oregon.....	196	201	217	1,503	1,362	10.4
Washington.....	561	509	595	3,974	4,322	-8.1
<b>Pacific Noncontiguous</b> .....	<b>18</b>	<b>20</b>	<b>—</b>	<b>131</b>	<b>123</b>	<b>6.4</b>
Alaska.....	18	20	—	131	123	6.4
Hawaii.....	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>75,574</b>	<b>84,752</b>	<b>78,078</b>	<b>679,849</b>	<b>691,121</b>	<b>-1.6</b>

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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
<b>New England</b> .....	<b>622</b>	<b>783</b>	<b>1,828</b>	<b>15,041</b>	<b>28,057</b>	<b>-46.4</b>
Connecticut.....	432	568	788	9,194	11,083	-17.0
Maine.....	NM	NM	105	1,180	2,089	-43.5
Massachusetts.....	NM	NM	803	1,999	12,998	-84.6
New Hampshire.....	146	185	130	2,590	1,772	46.1
Rhode Island.....	1	1	2	14	15	-6.2
Vermont.....	NM	NM	NM	65	100	-35.1
<b>Middle Atlantic</b> .....	<b>1,576</b>	<b>2,631</b>	<b>2,905</b>	<b>24,885</b>	<b>24,350</b>	<b>2.2</b>
New Jersey.....	38	222	138	1,181	1,007	17.3
New York.....	1,209	1,739	2,145	18,466	17,362	6.4
Pennsylvania.....	329	670	623	5,238	5,981	-12.4
<b>East North Central</b> .....	<b>265</b>	<b>514</b>	<b>560</b>	<b>4,458</b>	<b>4,145</b>	<b>7.5</b>
Illinois.....	35	115	118	637	1,229	-48.2
Indiana.....	24	91	31	472	355	32.8
Michigan.....	137	181	318	2,222	1,783	24.6
Ohio.....	55	110	59	808	496	63.0
Wisconsin.....	13	18	34	319	282	13.1
<b>West North Central</b> .....	<b>84</b>	<b>296</b>	<b>209</b>	<b>1,863</b>	<b>1,485</b>	<b>25.4</b>
Iowa.....	13	26	47	313	247	26.6
Kansas.....	NM	NM	19	562	227	147.5
Minnesota.....	14	15	21	192	158	21.5
Missouri.....	33	162	97	604	628	-3.9
Nebraska.....	NM	10	11	67	89	-24.1
North Dakota.....	11	4	8	70	75	-6.1
South Dakota.....	3	4	7	55	62	-11.2
<b>South Atlantic</b> .....	<b>5,882</b>	<b>10,654</b>	<b>8,822</b>	<b>65,799</b>	<b>62,797</b>	<b>4.8</b>
Delaware.....	29	157	119	2,049	1,653	23.9
District of Columbia.....	20	125	27	543	564	-3.7
Florida.....	5,195	8,050	6,831	48,806	48,286	1.1
Georgia.....	64	373	181	1,362	1,541	-11.6
Maryland.....	393	828	616	6,820	5,274	29.3
North Carolina.....	36	88	144	513	550	-6.7
South Carolina.....	29	173	75	693	748	-7.4
Virginia.....	84	829	810	4,784	3,926	21.8
West Virginia.....	32	33	21	228	254	-10.3
<b>East South Central</b> .....	<b>591</b>	<b>490</b>	<b>1,550</b>	<b>5,637</b>	<b>9,330</b>	<b>-39.6</b>
Alabama.....	7	10	74	239	365	-34.5
Kentucky.....	15	12	13	183	204	-10.5
Mississippi.....	512	254	1,026	4,249	7,412	-42.7
Tennessee.....	56	213	437	966	1,349	-28.4
<b>West South Central</b> .....	<b>180</b>	<b>86</b>	<b>290</b>	<b>1,252</b>	<b>1,180</b>	<b>6.1</b>
Arkansas.....	14	48	46	223	221	.8
Louisiana.....	143	7	225	803	772	4.0
Oklahoma.....	9	3	2	17	12	43.8
Texas.....	14	28	18	210	176	19.5
<b>Mountain</b> .....	<b>26</b>	<b>38</b>	<b>31</b>	<b>357</b>	<b>364</b>	<b>-2.1</b>
Arizona.....	6	8	8	68	99	-31.5
Colorado.....	4	12	4	54	64	-15.4
Idaho.....	*	*	*	*	*	NM
Montana.....	1	2	1	22	24	-7.1
Nevada.....	1	2	6	58	37	59.8
New Mexico.....	6	3	3	55	34	61.4
Utah.....	3	4	3	35	47	-24.8
Wyoming.....	6	6	6	64	59	7.4
<b>Pacific Contiguous</b> .....	<b>11</b>	<b>13</b>	<b>36</b>	<b>115</b>	<b>247</b>	<b>-53.4</b>
California.....	9	11	33	95	198	-52.1
Oregon.....	1	1	*	11	19	-42.8
Washington.....	1	2	2	9	29	-69.1
<b>Pacific Noncontiguous</b> .....	<b>1,020</b>	<b>1,050</b>	<b>1,060</b>	<b>9,929</b>	<b>9,069</b>	<b>9.5</b>
Alaska.....	NM	NM	NM	1,489	1,028	44.8
Hawaii.....	925	972	967	8,440	8,041	5.0
<b>U.S. Total</b> .....	<b>10,258</b>	<b>16,556</b>	<b>17,292</b>	<b>129,336</b>	<b>141,025</b>	<b>-8.3</b>

\* = 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 1999 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 1998 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. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
<b>New England</b> .....	<b>2,741</b>	<b>2,978</b>	<b>2,743</b>	<b>18,656</b>	<b>42,271</b>	<b>-55.9</b>
Connecticut.....	1,657	2,045	1,605	10,052	10,378	-3.1
Maine.....	—	—	—	—	—	—
Massachusetts.....	833	702	1,127	7,948	16,007	-50.3
New Hampshire.....	161	98	—	415	124	234.7
Rhode Island.....	—	—	—	—	15,589	—
Vermont.....	90	133	11	242	173	39.8
<b>Middle Atlantic</b> .....	<b>17,815</b>	<b>27,908</b>	<b>24,471</b>	<b>187,395</b>	<b>208,688</b>	<b>-10.2</b>
New Jersey.....	3,182	6,207	3,446	29,151	29,024	.4
New York.....	14,068	19,803	20,464	149,041	173,448	-14.1
Pennsylvania.....	565	1,898	561	9,203	6,215	48.1
<b>East North Central</b> .....	<b>7,134</b>	<b>13,070</b>	<b>15,833</b>	<b>106,764</b>	<b>119,464</b>	<b>-10.6</b>
Illinois.....	1,705	3,824	6,084	35,910	51,977	-30.9
Indiana.....	307	1,222	957	6,994	8,298	-15.7
Michigan.....	3,700	4,642	5,415	41,000	37,775	8.5
Ohio.....	561	1,599	1,333	10,526	6,871	53.2
Wisconsin.....	862	1,783	2,044	12,334	14,544	-15.2
<b>West North Central</b> .....	<b>3,917</b>	<b>15,465</b>	<b>13,134</b>	<b>65,621</b>	<b>65,790</b>	<b>-.3</b>
Iowa.....	449	722	1,099	4,585	5,479	-16.3
Kansas.....	1,972	8,135	6,109	33,394	31,519	6.0
Minnesota.....	NM	NM	1,538	5,617	6,846	-17.9
Missouri.....	983	4,607	3,067	15,294	14,771	3.5
Nebraska.....	242	767	955	4,396	4,750	-7.5
North Dakota.....	—	—	—	—	—	NM
South Dakota.....	79	427	366	2,335	2,426	-3.7
<b>South Atlantic</b> .....	<b>41,341</b>	<b>55,542</b>	<b>41,093</b>	<b>323,971</b>	<b>293,497</b>	<b>10.4</b>
Delaware.....	1,566	3,300	1,319	17,658	8,086	118.4
District of Columbia.....	—	—	—	—	—	—
Florida.....	34,297	34,453	27,465	237,506	217,241	9.3
Georgia.....	1,928	6,506	3,350	19,182	21,034	-8.8
Maryland.....	1,107	2,845	2,565	14,386	11,384	26.4
North Carolina.....	556	3,197	2,132	9,277	12,217	-24.1
South Carolina.....	165	1,857	919	4,969	5,682	-12.5
Virginia.....	1,698	3,367	3,323	20,734	17,570	18.0
West Virginia.....	23	17	20	260	284	-8.5
<b>East South Central</b> .....	<b>9,999</b>	<b>22,350</b>	<b>16,192</b>	<b>107,278</b>	<b>99,186</b>	<b>8.2</b>
Alabama.....	1,860	5,683	4,213	18,769	23,216	-19.2
Kentucky.....	462	1,157	978	5,089	5,268	-3.4
Mississippi.....	7,503	14,292	9,141	80,027	64,679	23.7
Tennessee.....	174	1,218	1,860	3,393	6,023	-43.7
<b>West South Central</b> .....	<b>166,713</b>	<b>258,418</b>	<b>207,525</b>	<b>1,422,474</b>	<b>1,445,135</b>	<b>-1.6</b>
Arkansas.....	3,096	7,963	6,764	34,300	38,335	-10.5
Louisiana.....	32,192	42,861	36,591	262,917	254,792	3.2
Oklahoma.....	13,971	26,954	21,106	142,052	138,046	2.9
Texas.....	117,454	180,640	143,064	983,205	1,013,962	-3.0
<b>Mountain</b> .....	<b>15,172</b>	<b>21,189</b>	<b>19,104</b>	<b>130,805</b>	<b>117,113</b>	<b>11.7</b>
Arizona.....	4,690	6,690	6,200	37,786	27,444	37.7
Colorado.....	244	2,588	1,378	12,634	7,979	58.4
Idaho.....	—	—	—	—	—	—
Montana.....	8	28	69	258	404	-36.1
Nevada.....	6,435	6,682	6,460	48,780	45,195	7.9
New Mexico.....	3,360	4,604	3,782	27,375	31,204	-12.3
Utah.....	NM	NM	NM	3,838	4,640	-17.3
Wyoming.....	7	5	9	134	248	-45.9
<b>Pacific Contiguous</b> .....	<b>13,863</b>	<b>14,682</b>	<b>38,578</b>	<b>155,338</b>	<b>233,618</b>	<b>-33.5</b>
California.....	9,478	12,228	31,816	139,032	207,978	-33.2
Oregon.....	3,112	2,018	4,014	13,369	17,984	-25.7
Washington.....	1,273	436	2,749	2,937	7,657	-61.6
<b>Pacific Noncontiguous</b> .....	<b>2,203</b>	<b>2,276</b>	<b>2,402</b>	<b>21,540</b>	<b>20,967</b>	<b>2.7</b>
Alaska.....	2,203	2,276	2,402	21,540	20,967	2.7
Hawaii.....	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>280,898</b>	<b>433,878</b>	<b>381,075</b>	<b>2,539,844</b>	<b>2,645,729</b>	<b>-4.0</b>

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 1999 are estimates based on a cutoff model sample--see the Technical Notes for a detailed discussion of the sample design for the Form EIA-759. Values for 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding.

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

# Fossil-Fuel Stocks at U.S. Electric Utilities

Table 21. U.S. Electric Utility Stocks of Coal and Petroleum, 1989 Through September 1999

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)
	Anthracite <sup>1</sup>	Bituminous <sup>2</sup>	Lignite	Total	Light	Heavy	Total	
1989 .....	6,403	122,967	6,490	135,860	13,824	47,446	61,270	105
1990 .....	6,499	142,650	7,016	156,166	16,471	67,030	83,501	94
1991 .....	6,513	145,367	5,996	157,876	16,357	58,636	74,993	70
1992 .....	6,215	142,156	5,759	154,130	15,714	56,135	71,849	67
1993 .....	5,639	98,560	7,142	111,341	15,674	46,769	62,443	89
1994 .....	4,879	115,325	6,693	126,897	16,644	46,342	62,986	69
1995 .....	4,325	116,749	5,231	126,304	15,392	35,102	50,495	65
1996 .....	3,687	105,807	5,129	114,623	15,216	32,473	47,690	91
<b>1997</b>								
January .....	3,609	98,043	4,969	106,621	14,766	29,742	44,508	136
February .....	3,544	98,878	5,391	107,813	14,901	31,372	46,273	159
March .....	3,479	104,650	5,599	113,727	15,226	31,425	46,651	177
April .....	3,417	109,124	5,723	118,263	14,625	32,534	47,158	221
May .....	3,374	114,257	5,760	123,391	14,685	33,213	47,898	253
June .....	3,323	111,761	5,704	120,787	14,824	32,129	46,953	229
July .....	3,275	100,691	5,725	109,690	14,820	30,990	45,810	308
August .....	3,228	94,896	5,599	103,724	14,823	30,872	45,694	293
September .....	3,166	93,456	5,496	102,119	14,832	29,064	43,896	308
October .....	3,118	93,309	6,009	102,436	15,049	30,115	45,163	439
November .....	3,075	92,566	5,093	100,735	15,214	32,255	47,469	450
December .....	3,021	90,905	4,900	98,826	15,456	33,336	48,792	469
<b>1998</b>								
January .....	2,958	92,429	5,019	100,406	15,627	33,871	49,499	403
February .....	2,906	95,997	4,890	103,793	15,953	33,872	49,824	358
March .....	2,846	100,323	4,933	108,101	15,481	31,180	46,661	418
April .....	2,803	108,318	5,110	116,231	16,029	35,021	51,050	498
May .....	2,743	111,851	5,342	119,936	14,802	32,911	47,713	501
June .....	2,699	110,185	4,874	117,758	14,559	30,036	44,594	683
July .....	2,672	102,183	4,685	109,540	15,220	31,638	46,858	577
August .....	2,655	96,280	4,786	103,720	15,118	32,605	47,723	623
September .....	2,640	97,002	4,911	104,552	14,793	31,258	46,052	562
October .....	2,596	102,923	4,502	110,021	15,881	35,409	51,290	588
November .....	2,542	110,267	4,417	117,225	16,162	37,059	53,221	602
December .....	2,503	113,626	4,373	120,501	16,343	37,447	53,790	559
<b>1999</b>								
January .....	W	113,679	W	120,190	16,289	36,526	52,814	548
February .....	W	121,565	W	128,256	16,128	36,359	52,488	568
March .....	W	129,010	W	135,732	15,759	36,183	51,943	540
April .....	W	133,357	W	140,545	16,522	34,749	51,271	592
May .....	W	136,992	W	144,297	16,782	33,545	50,328	582
June .....	W	134,897	W	142,232	16,851	34,267	51,118	690
July .....	W	124,151	W	131,562	15,438	31,033	46,471	633
August .....	W	120,647	W	127,819	15,912	28,156	44,068	570
September .....	W	122,316	W	129,456	16,098	27,899	43,997	553

<sup>1</sup> Anthracite includes anthracite silt stored off-site.

<sup>2</sup> Bituminous coal includes subbituminous coal.

W = Withheld to avoid disclosure of individual company data.

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for 1997 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Prior to 1993, values represent December end-of-month stocks. For 1993 forward, values represent end-of-month stocks. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	September 1999	August 1999	September 1998	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	30,858	30,756	26,659	0.3	15.8
ERCOT.....	8,198	8,464	5,599	-3.1	46.4
MAAC.....	7,027	6,731	7,588	4.4	-7.4
MAIN.....	13,770	13,195	11,290	4.4	22.0
MAPP (U.S.).....	13,391	12,364	9,802	8.3	36.6
NPCC (U.S.).....	574	531	1,364	8.0	-57.9
SERC.....	19,473	18,862	16,064	3.2	21.2
FRCC.....	3,731	4,021	3,143	-7.2	NM
SPP.....	19,852	20,099	11,667	-1.2	70.2
WSCC (U.S.).....	12,581	12,795	11,377	-1.7	10.6
<b>Contiguous U.S.</b> .....	<b>129,456</b>	<b>127,819</b>	<b>104,552</b>	<b>1.3</b>	<b>23.8</b>
ASCC.....	—	—	—	NM	—
Hawaii.....	—	—	—	—	—
<b>U.S. Total</b> .....	<b>129,456</b>	<b>127,819</b>	<b>104,552</b>	<b>1.3</b>	<b>23.8</b>

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 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Stocks are end-of-month stocks at electric utilities. •See Glossary for explanation of acronyms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	September 1999	August 1999	September 1998	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	2,366	2,317	2,130	2.1	11.1
ERCOT.....	4,238	4,240	4,381	-1	-3.3
MAAC.....	5,554	5,786	6,282	-4.0	-11.6
MAIN.....	W	W	1,408	W	W
MAPP (U.S.).....	W	W	753	W	W
NPCC (U.S.).....	6,745	7,251	10,610	-7.0	-36.4
SERC.....	4,459	4,041	2,903	10.3	53.6
FRCC.....	8,472	7,429	6,212	14.0	NM
SPP.....	4,708	5,363	4,709	-12.2	*
WSCC (U.S.).....	3,760	3,760	5,630	*	-33.2
<b>Contiguous U.S.</b> .....	<b>42,813</b>	<b>42,665</b>	<b>45,017</b>	<b>.3</b>	<b>-4.9</b>
ASCC.....	W	W	239	W	W
Hawaii.....	W	W	796	W	W
<b>U.S. Total</b> .....	<b>43,997</b>	<b>44,068</b>	<b>46,052</b>	<b>-2</b>	<b>-4.5</b>

\* = 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.

W = Withheld to avoid disclosure of individual company data.

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •Stocks are end-of-month stocks at electric utilities. •See Glossary for explanation of acronyms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division	September 1999	August 1999	September 1998	Monthly Difference (percent)	Yearly Difference (percent)
New England.....	W	W	517	W	W
Middle Atlantic.....	7,759	7,533	8,794	3.0	-11.8
East North Central.....	34,835	34,137	28,994	2.0	20.1
West North Central.....	21,268	20,801	14,967	2.2	42.1
South Atlantic.....	20,077	19,616	16,751	2.3	19.9
East South Central.....	11,313	11,188	10,225	1.1	10.6
West South Central.....	20,613	20,956	12,433	-1.6	65.8
Mountain.....	11,513	11,600	10,502	-8	9.6
Pacific Contiguous.....	W	W	1,368	W	W
Pacific Noncontiguous.....	1	1	—	—	—
<b>U.S. Total.....</b>	<b>129,456</b>	<b>127,819</b>	<b>104,552</b>	<b>1.3</b>	<b>23.8</b>

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.

W = Withheld to avoid disclosure of individual company data.

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Stocks are end-of-month stocks at electric utilities. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division	September 1999	August 1999	September 1998	Monthly Difference (percent)	Yearly Difference (percent)
New England.....	2,331	2,329	3,634	0.1	-35.9
Middle Atlantic.....	7,791	8,396	11,234	-7.2	-30.7
East North Central.....	3,489	3,458	3,176	.9	9.9
West North Central.....	1,890	1,825	1,756	3.6	7.7
South Atlantic.....	14,257	12,915	10,499	10.4	35.8
East South Central.....	2,689	3,177	1,953	-15.4	37.7
West South Central.....	6,658	6,856	7,176	-2.9	-7.2
Mountain.....	1,023	1,017	946	.6	8.1
Pacific Contiguous.....	2,688	2,695	4,644	-3	-42.1
Pacific Noncontiguous.....	1,182	NM	1,035	-15.6	14.3
<b>U.S. Total.....</b>	<b>43,997</b>	<b>44,068</b>	<b>46,052</b>	<b>-2</b>	<b>-4.5</b>

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 1999 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 1998 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. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

**Table 26. U.S. Electric Utility Receipts of and Average Cost for Fossil Fuels, 1989 Through August 1999**

Period	Coal <sup>1</sup>		Petroleum				Gas		All Fossil Fuels <sup>2</sup>
	Receipts (thousand short tons)	Cost (cents/ 10 <sup>6</sup> Btu)	Heavy Oil <sup>3</sup>		Total		Receipts (thousand Mcf)	Cost (cents/ 10 <sup>6</sup> Btu)	Cost (cents/ 10 <sup>6</sup> Btu)
			Receipts (thousand barrels)	Cost (cents/ 10 <sup>6</sup> Btu)	Receipts (thousand barrels)	Cost (cents/ 10 <sup>6</sup> Btu)			
1989.....	753,217	144.5	237,668	284.6	246,422	289.3	2,472,506	235.5	167.5
1990.....	786,627	145.5	202,281	331.9	209,350	338.4	2,490,979	232.1	168.9
1991.....	769,923	144.7	163,106	246.5	169,625	254.8	2,630,818	215.3	160.3
1992.....	775,963	141.2	138,537	247.5	144,390	255.1	2,637,678	232.8	159.0
1993.....	769,152	138.5	141,719	236.2	147,902	243.3	2,574,523	256.0	159.5
1994.....	831,929	135.5	135,184	240.9	142,940	248.8	2,863,904	223.0	152.6
1995.....	826,860	131.8	78,216	258.6	84,292	267.9	3,023,327	198.4	145.3
1996.....	862,701	128.9	98,926	303.4	106,629	315.7	2,604,663	264.1	151.9
1997									
January.....	71,929	128.0	8,817	305.7	9,658	321.0	133,720	407.7	157.7
February.....	69,229	129.1	8,959	287.5	9,346	295.3	134,664	311.8	150.6
March.....	72,369	130.0	6,796	267.1	7,157	276.2	185,340	236.0	145.5
April.....	69,815	129.6	6,379	254.9	6,730	264.8	184,908	230.5	144.3
May.....	74,929	128.0	6,476	257.9	6,966	271.2	225,841	247.0	146.6
June.....	70,479	127.9	9,253	262.9	10,010	274.4	278,304	254.3	153.2
July.....	74,065	125.7	10,818	269.9	11,689	280.4	373,646	243.7	154.6
August.....	76,352	125.2	11,049	268.3	11,618	275.5	360,018	252.2	154.0
September.....	75,091	126.3	8,880	274.7	9,332	281.3	313,132	290.5	158.3
October.....	75,593	126.4	10,161	301.6	10,715	309.1	219,342	324.3	157.0
November.....	72,558	126.4	12,218	309.3	12,818	315.4	168,754	342.4	156.4
December.....	78,179	125.2	11,101	265.4	11,750	273.3	187,065	278.4	146.9
<b>Total.....</b>	<b>880,588</b>	<b>127.3</b>	<b>110,906</b>	<b>278.8</b>	<b>117,789</b>	<b>288.0</b>	<b>2,764,734</b>	<b>276.0</b>	<b>152.2</b>
1998 <sup>4</sup>									
January.....	79,212	125.7	9,569	235.5	10,105	242.4	165,869	275.0	143.3
February.....	70,353	126.2	8,736	206.0	9,255	214.0	124,584	253.4	139.2
March.....	75,678	126.6	10,676	199.3	11,133	204.6	181,034	254.4	142.5
April.....	74,848	126.6	11,749	218.9	12,289	225.0	186,127	259.8	144.7
May.....	75,980	126.3	11,554	215.3	12,185	221.5	252,869	247.1	146.7
June.....	76,605	126.4	13,350	216.8	14,164	222.6	331,124	238.0	149.6
July.....	79,676	125.5	21,016	220.1	21,877	223.9	389,405	247.7	154.5
August.....	82,057	125.8	19,262	202.9	20,107	207.2	389,961	217.8	147.2
September.....	78,854	124.8	12,919	196.0	13,602	202.1	331,911	211.9	142.6
October.....	79,399	123.5	14,952	207.8	15,683	213.7	230,952	223.1	140.1
November.....	77,087	123.8	10,569	198.8	11,192	205.1	164,341	241.0	137.8
December.....	79,700	121.0	12,500	175.5	13,599	183.5	174,780	231.0	134.3
<b>Total.....</b>	<b>929,448</b>	<b>125.2</b>	<b>156,852</b>	<b>207.9</b>	<b>165,191</b>	<b>213.6</b>	<b>2,922,957</b>	<b>238.1</b>	<b>143.8</b>
1999 <sup>4</sup>									
January.....	76,331	122.1	13,215	176.3	14,019	181.9	163,125	225.0	134.6
February.....	73,938	124.7	10,013	166.2	10,417	171.5	138,303	221.5	134.4
March.....	76,743	124.0	10,152	174.8	10,621	180.2	187,476	212.3	135.3
April.....	71,909	124.4	10,647	212.4	11,099	217.6	229,057	224.7	141.3
May.....	74,551	121.8	10,701	230.2	11,289	236.0	253,543	251.6	144.3
June.....	73,220	123.2	11,176	233.5	11,956	240.5	278,464	247.5	146.9
July.....	76,454	121.1	13,051	259.4	14,014	269.4	366,546	251.3	152.0
August.....	81,345	120.6	12,129	293.3	13,203	303.7	379,860	282.1	157.3
<b>Total.....</b>	<b>604,491</b>	<b>122.7</b>	<b>91,086</b>	<b>220.1</b>	<b>96,618</b>	<b>227.6</b>	<b>1,996,373</b>	<b>245.7</b>	<b>143.8</b>
<b>Year-to-Date</b>									
<b>1999 <sup>4</sup>.....</b>	<b>604,491</b>	<b>122.7</b>	<b>91,086</b>	<b>220.1</b>	<b>96,618</b>	<b>227.6</b>	<b>1,996,373</b>	<b>245.7</b>	<b>143.8</b>
<b>1998 <sup>4</sup>.....</b>	<b>614,408</b>	<b>126.1</b>	<b>105,910</b>	<b>214.0</b>	<b>111,115</b>	<b>219.5</b>	<b>2,020,972</b>	<b>244.5</b>	<b>146.3</b>
<b>1997.....</b>	<b>579,167</b>	<b>127.9</b>	<b>68,546</b>	<b>272.8</b>	<b>73,174</b>	<b>283.3</b>	<b>1,876,441</b>	<b>261.7</b>	<b>150.9</b>

<sup>1</sup> Includes lignite, bituminous coal, subbituminous coal, and anthracite.

<sup>2</sup> 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.

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

<sup>4</sup> Data for 1999 are preliminary. Data for 1998 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 1989-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Mcf=thousand cubic feet. •Monetary values are expressed in nominal terms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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



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

NERC Region and Hawaii	August 1999 <sup>1</sup>	July 1999 <sup>1</sup>	August 1998 <sup>1</sup>	Year to Date		
				1999 <sup>1</sup>	1998 <sup>1</sup>	Difference (percent)
ECAR.....	19,238	17,354	18,556	141,049	144,830	-2.6
ERCOT.....	7,564	8,004	7,856	56,244	53,498	5.1
MAAC.....	3,391	3,105	3,970	25,475	29,793	-14.5
MAIN.....	7,340	6,359	6,944	51,445	52,415	-1.9
MAPP (U.S.).....	7,245	7,225	7,029	52,552	51,949	1.2
NPCC (U.S.).....	254	257	1,419	4,650	10,523	-55.8
SERC.....	14,713	13,365	14,766	108,886	108,636	.2
FRCC.....	1,610	1,708	2,155	14,242	16,109	NM
SPP.....	9,080	9,182	8,719	71,179	68,484	3.9
WSCC (U.S.).....	10,910	9,896	10,644	78,768	78,170	.8
<b>Contiguous U.S.</b> .....	<b>81,345</b>	<b>76,454</b>	<b>82,057</b>	<b>604,491</b>	<b>614,408</b>	<b>-1.6</b>
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>81,345</b>	<b>76,454</b>	<b>82,057</b>	<b>604,491</b>	<b>614,408</b>	<b>-1.6</b>

<sup>1</sup> Data for 1999 are preliminary. Data for 1998 are final.

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

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Includes lignite, bituminous coal, subbituminous coal, and anthracite. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	August 1999 <sup>1</sup>	July 1999 <sup>1</sup>	August 1998 <sup>1</sup>	Year to Date		
				1999 <sup>1</sup>	1998 <sup>1</sup>	Difference (percent)
ECAR.....	123.2	125.6	127.0	123.2	125.3	-1.7
ERCOT.....	109.7	107.1	105.5	115.1	116.0	-.8
MAAC.....	131.6	131.7	137.1	132.8	136.2	-2.5
MAIN.....	123.6	121.6	135.6	124.9	133.2	-6.3
MAPP (U.S.).....	86.5	83.7	85.8	85.0	87.7	-3.0
NPCC (U.S.).....	153.8	157.2	151.3	148.3	154.3	-3.9
SERC.....	136.2	135.8	140.1	138.6	140.8	-1.6
FRCC.....	161.9	162.7	170.0	163.0	167.8	NM
SPP.....	114.2	115.4	120.6	115.3	118.6	-2.8
WSCC (U.S.).....	103.8	108.2	109.3	109.0	109.8	-.8
<b>Contiguous U.S.</b> .....	<b>120.6</b>	<b>121.1</b>	<b>125.8</b>	<b>122.7</b>	<b>126.1</b>	<b>-2.7</b>
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
<b>U.S. Average</b> .....	<b>120.6</b>	<b>121.1</b>	<b>125.8</b>	<b>122.7</b>	<b>126.1</b>	<b>-2.7</b>

<sup>1</sup> Data for 1999 are preliminary. Data for 1998 are final.

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

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Includes lignite, bituminous coal, subbituminous coal, and anthracite. •Monetary values are expressed in monetary terms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	August 1999 <sup>1</sup>	July 1999 <sup>1</sup>	August 1998 <sup>1</sup>	Year to Date		
				1999 <sup>1</sup>	1998 <sup>1</sup>	Difference (percent)
ECAR.....	544	593	368	3,006	2,819	6.6
ERCOT.....	11	5	16	81	156	-48.1
MAAC.....	1,817	2,351	3,721	12,710	12,022	5.7
MAIN.....	172	88	163	605	1,031	-41.3
MAPP (U.S.).....	28	66	19	208	192	8.2
NPCC (U.S.).....	2,299	3,493	5,440	25,287	39,600	-36.1
SERC.....	777	484	1,563	4,646	3,640	27.6
FRCC.....	5,748	5,506	7,462	38,971	39,335	NM
SPP.....	315	314	945	4,263	7,418	-42.5
WSCC (U.S.).....	75	17	36	271	331	-18.2
<b>Contiguous U.S.</b> .....	<b>11,787</b>	<b>12,917</b>	<b>19,732</b>	<b>90,049</b>	<b>106,544</b>	<b>-15.5</b>
ASCC.....	—	—	—	—	—	—
Hawaii.....	1,416	1,097	375	6,569	4,571	43.7
<b>U.S. Total</b> .....	<b>13,203</b>	<b>14,014</b>	<b>20,107</b>	<b>96,618</b>	<b>111,115</b>	<b>-13.0</b>

<sup>1</sup> Data for 1999 are preliminary. Data for 1998 are final.

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

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	August 1999 <sup>1</sup>	July 1999 <sup>1</sup>	August 1998 <sup>1</sup>	Year to Date		
				1999 <sup>1</sup>	1998 <sup>1</sup>	Difference (percent)
ECAR.....	340.5	331.6	268.3	303.6	308.7	-1.6
ERCOT.....	498.8	266.8	471.4	307.4	386.0	-20.4
MAAC.....	311.2	293.9	210.5	246.5	224.4	9.8
MAIN.....	338.2	369.2	310.4	322.0	282.3	14.1
MAPP (U.S.).....	448.3	421.5	317.0	379.1	342.9	10.5
NPCC (U.S.).....	305.1	264.9	198.0	210.6	211.3	-3
SERC.....	351.1	369.8	217.3	253.8	239.0	6.2
FRCC.....	288.0	242.4	203.9	219.5	210.8	NM
SPP.....	208.7	178.2	194.8	165.8	209.4	-20.8
WSCC (U.S.).....	428.0	479.4	390.5	422.8	400.5	5.6
<b>Contiguous U.S.</b> .....	<b>301.2</b>	<b>266.6</b>	<b>206.7</b>	<b>224.2</b>	<b>217.5</b>	<b>3.1</b>
ASCC.....	—	—	—	—	—	—
Hawaii.....	325.2	302.2	236.4	274.2	267.8	2.4
<b>U.S. Average</b> .....	<b>303.7</b>	<b>269.4</b>	<b>207.2</b>	<b>227.6</b>	<b>219.5</b>	<b>3.7</b>

<sup>1</sup> Data for 1999 are preliminary. Data for 1998 are final.

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

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Monetary values are expressed in monetary terms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	August 1999 <sup>1</sup>	July 1999 <sup>1</sup>	August 1998 <sup>1</sup>	Year to Date		
				1999 <sup>1</sup>	1998 <sup>1</sup>	Difference (percent)
ECAR.....	5,949	7,523	6,133	37,174	33,174	12.1
ERCOT.....	141,277	123,719	129,799	678,658	694,278	-2.2
MAAC.....	13,023	16,458	6,397	49,196	28,237	74.2
MAIN.....	3,288	10,394	7,457	31,274	44,532	-29.8
MAPP (U.S.).....	1,017	1,854	1,435	6,289	5,709	10.2
NPCC (U.S.).....	23,514	28,929	40,067	146,767	193,836	-24.3
SERC.....	10,543	9,872	9,175	48,919	39,490	23.9
FRCC.....	25,642	25,893	23,349	165,790	156,627	NM
SPP.....	120,118	109,152	108,078	595,353	543,566	9.5
WSCC (U.S.).....	34,379	32,072	57,148	228,032	273,650	-16.7
<b>Contiguous U.S.</b> .....	<b>378,750</b>	<b>365,867</b>	<b>389,038</b>	<b>1,987,451</b>	<b>2,013,099</b>	<b>-1.3</b>
ASCC.....	1,110	679	923	8,921	7,873	13.3
Hawaii.....	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>379,860</b>	<b>366,546</b>	<b>389,961</b>	<b>1,996,373</b>	<b>2,020,972</b>	<b>-1.2</b>

<sup>1</sup> Data for 1999 are preliminary. Data for 1998 are final.

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

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	August 1999 <sup>1</sup>	July 1999 <sup>1</sup>	August 1998 <sup>1</sup>	Year to Date		
				1999 <sup>1</sup>	1998 <sup>1</sup>	Difference (percent)
ECAR.....	265.6	265.6	230.3	254.7	250.1	1.8
ERCOT.....	277.5	239.6	205.9	235.8	231.8	1.7
MAAC.....	315.5	298.1	244.3	291.8	275.7	5.8
MAIN.....	270.5	244.5	194.9	231.7	227.2	2.0
MAPP (U.S.).....	275.3	275.1	252.8	280.9	274.9	2.2
NPCC (U.S.).....	295.3	271.7	229.4	264.1	264.0	*
SERC.....	271.9	249.0	240.2	256.1	263.5	-2.8
FRCC.....	323.1	288.8	259.6	284.0	288.2	NM
SPP.....	281.1	245.6	203.5	238.8	235.6	1.4
WSCC (U.S.).....	262.2	244.9	242.0	244.9	252.6	-3.1
<b>Contiguous U.S.</b> .....	<b>282.5</b>	<b>251.5</b>	<b>217.9</b>	<b>246.2</b>	<b>244.8</b>	<b>.6</b>
ASCC.....	131.6	132.2	162.4	143.4	173.3	-17.2
Hawaii.....	—	—	—	—	—	—
<b>U.S. Average</b> .....	<b>282.1</b>	<b>251.3</b>	<b>217.8</b>	<b>245.7</b>	<b>244.5</b>	<b>.5</b>

<sup>1</sup> Data for 1999 are preliminary. Data for 1998 are final.

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

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

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Monetary values are expressed in monetary terms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

**Table 33. Electric Utility Receipts of Coal by Type, Census Division, and State, August 1999**

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)
<b>New England</b> .....	—	—	<b>181</b>	<b>4,693</b>	—	—	—	—	<b>181</b>	<b>4,693</b>
Connecticut .....	—	—	—	—	—	—	—	—	—	—
Maine .....	—	—	—	—	—	—	—	—	—	—
Massachusetts .....	—	—	52	1,361	—	—	—	—	52	1,361
New Hampshire .....	—	—	128	3,331	—	—	—	—	128	3,331
Rhode Island .....	—	—	—	—	—	—	—	—	—	—
Vermont .....	—	—	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>9</b>	<b>138</b>	<b>3,269</b>	<b>83,264</b>	—	—	—	—	<b>3,278</b>	<b>83,402</b>
New Jersey.....	—	—	219	5,834	—	—	—	—	219	5,834
New York.....	—	—	73	1,923	—	—	—	—	73	1,923
Pennsylvania.....	9	138	2,977	75,507	—	—	—	—	2,986	75,645
<b>East North Central</b> .....	—	—	<b>11,397</b>	<b>267,536</b>	<b>7,564</b>	<b>134,161</b>	—	—	<b>18,961</b>	<b>401,697</b>
Illinois.....	—	—	1,441	31,228	2,229	39,386	—	—	3,671	70,614
Indiana.....	—	—	3,701	84,134	1,157	20,370	—	—	4,858	104,504
Michigan.....	—	—	1,278	32,306	2,160	39,474	—	—	3,438	71,780
Ohio.....	—	—	4,578	110,106	188	3,271	—	—	4,766	113,378
Wisconsin.....	—	—	399	9,762	1,830	31,659	—	—	2,229	41,421
<b>West North Central</b> .....	—	—	<b>470</b>	<b>10,916</b>	<b>9,272</b>	<b>160,460</b>	<b>2,088</b>	<b>27,020</b>	<b>11,830</b>	<b>198,396</b>
Iowa.....	—	—	129	3,036	1,857	31,341	—	—	1,986	34,377
Kansas.....	—	—	75	1,693	1,537	26,236	—	—	1,612	27,929
Minnesota.....	—	—	9	193	1,641	29,117	—	—	1,650	29,309
Missouri.....	—	—	258	5,994	3,025	53,092	—	—	3,283	59,086
Nebraska.....	—	—	—	—	1,030	17,549	—	—	1,030	17,549
North Dakota.....	—	—	—	—	—	—	2,088	27,020	2,088	27,020
South Dakota.....	—	—	—	—	181	3,126	—	—	181	3,126
<b>South Atlantic</b> .....	—	—	<b>13,115</b>	<b>329,720</b>	<b>720</b>	<b>12,600</b>	—	—	<b>13,834</b>	<b>342,320</b>
Delaware.....	—	—	154	3,972	—	—	—	—	154	3,972
District of Columbia.....	—	—	—	—	—	—	—	—	—	—
Florida.....	—	—	1,870	46,500	60	1,050	—	—	1,930	47,550
Georgia.....	—	—	2,537	63,809	660	11,550	—	—	3,197	75,359
Maryland.....	—	—	865	22,572	—	—	—	—	865	22,572
North Carolina.....	—	—	2,104	52,519	—	—	—	—	2,104	52,519
South Carolina.....	—	—	1,079	27,789	—	—	—	—	1,079	27,789
Virginia.....	—	—	1,246	31,629	—	—	—	—	1,246	31,629
West Virginia.....	—	—	3,260	80,928	—	—	—	—	3,260	80,928
<b>East South Central</b> .....	—	—	<b>7,744</b>	<b>184,852</b>	<b>1,291</b>	<b>22,413</b>	—	—	<b>9,035</b>	<b>207,265</b>
Alabama.....	—	—	1,738	42,718	921	15,944	—	—	2,658	58,661
Kentucky.....	—	—	3,242	75,594	28	488	—	—	3,270	76,082
Mississippi.....	—	—	445	10,484	4	72	—	—	449	10,555
Tennessee.....	—	—	2,319	56,057	338	5,910	—	—	2,657	61,967
<b>West South Central</b> .....	—	—	<b>93</b>	<b>2,001</b>	<b>8,488</b>	<b>145,941</b>	<b>4,733</b>	<b>60,743</b>	<b>13,315</b>	<b>208,684</b>
Arkansas.....	—	—	—	—	1,418	24,669	—	—	1,418	24,669
Louisiana.....	—	—	—	—	934	15,850	141	1,997	1,075	17,847
Oklahoma.....	—	—	11	279	1,818	31,392	—	—	1,829	31,671
Texas.....	—	—	83	1,722	4,318	74,030	4,592	58,746	8,994	134,498
<b>Mountain</b> .....	—	—	<b>3,746</b>	<b>84,099</b>	<b>6,294</b>	<b>111,716</b>	<b>24</b>	<b>335</b>	<b>10,065</b>	<b>196,150</b>
Arizona.....	—	—	848	18,620	965	18,627	—	—	1,813	37,247
Colorado.....	—	—	729	15,618	845	15,092	—	—	1,574	30,710
Idaho.....	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	990	16,758	24	335	1,014	17,093
Nevada.....	—	—	769	17,255	—	—	—	—	769	17,255
New Mexico.....	—	—	—	—	1,459	26,348	—	—	1,459	26,348
Utah.....	—	—	1,196	28,563	—	—	—	—	1,196	28,563
Wyoming.....	—	—	204	4,043	2,036	34,891	—	—	2,240	38,934
<b>Pacific Contiguous</b> .....	—	—	—	—	<b>845</b>	<b>14,079</b>	—	—	<b>845</b>	<b>14,079</b>
California.....	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	258	4,495	—	—	258	4,495
Washington.....	—	—	—	—	587	9,584	—	—	587	9,584
<b>Pacific Noncontiguous</b> .....	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>9</b>	<b>138</b>	<b>40,015</b>	<b>967,080</b>	<b>34,475</b>	<b>601,370</b>	<b>6,846</b>	<b>88,098</b>	<b>81,345</b>	<b>1,656,686</b>

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 1999 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	August 1999 Receipts		August 1998 Receipts		Year to Date			
	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) <sup>1</sup>	
					1999	1998	1999	1998
<b>New England</b> .....	<b>181</b>	<b>4,693</b>	<b>556</b>	<b>14,220</b>	<b>32,199</b>	<b>119,003</b>	<b>160.1</b>	<b>167.3</b>
Connecticut .....	—	—	—	—	948	11,906	169.3	181.0
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	52	1,361	385	9,765	9,908	82,423	175.6	167.2
New Hampshire.....	128	3,331	171	4,456	21,343	24,674	152.4	160.8
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>3,278</b>	<b>83,402</b>	<b>4,878</b>	<b>121,932</b>	<b>708,901</b>	<b>909,365</b>	<b>134.3</b>	<b>138.3</b>
New Jersey.....	219	5,834	192	5,021	42,592	34,963	147.3	160.5
New York.....	73	1,923	862	22,527	89,322	153,100	144.0	144.1
Pennsylvania.....	2,986	75,645	3,824	94,384	576,988	721,302	131.9	136.0
<b>East North Central</b> .....	<b>18,961</b>	<b>401,697</b>	<b>18,091</b>	<b>382,582</b>	<b>2,862,192</b>	<b>2,918,397</b>	<b>126.8</b>	<b>131.0</b>
Illinois.....	3,671	70,614	3,479	67,364	484,442	503,575	147.6	161.9
Indiana.....	4,858	104,504	5,039	106,463	810,546	797,381	111.4	112.5
Michigan.....	3,438	71,780	3,009	62,388	438,914	478,841	130.5	133.2
Ohio.....	4,766	113,378	4,546	109,098	850,777	851,934	135.3	136.9
Wisconsin.....	2,229	41,421	2,019	37,269	277,513	286,665	103.4	107.5
<b>West North Central</b> .....	<b>11,830</b>	<b>198,396</b>	<b>11,409</b>	<b>191,321</b>	<b>1,496,420</b>	<b>1,482,631</b>	<b>88.1</b>	<b>89.8</b>
Iowa.....	1,986	34,377	1,964	34,011	245,229	237,693	83.0	89.4
Kansas.....	1,612	27,929	1,511	26,016	232,188	216,189	94.7	98.6
Minnesota.....	1,650	29,309	1,510	26,912	197,199	207,021	111.3	109.9
Missouri.....	3,283	59,086	3,135	56,362	456,751	459,988	93.2	91.6
Nebraska.....	1,030	17,549	978	16,713	132,926	133,350	56.1	58.6
North Dakota.....	2,088	27,020	2,135	28,244	209,333	205,894	73.4	77.0
South Dakota.....	181	3,126	175	3,063	22,793	22,496	93.6	92.4
<b>South Atlantic</b> .....	<b>13,834</b>	<b>342,320</b>	<b>14,201</b>	<b>349,436</b>	<b>2,599,314</b>	<b>2,588,898</b>	<b>141.6</b>	<b>145.3</b>
Delaware.....	154	3,972	242	6,249	17,047	30,207	156.3	157.1
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	1,930	47,550	2,473	59,846	410,184	450,807	159.9	166.5
Georgia.....	3,197	75,359	2,826	66,475	525,669	490,283	153.8	154.7
Maryland.....	865	22,572	860	22,348	180,234	185,749	139.9	145.9
North Carolina.....	2,104	52,519	2,641	65,730	423,770	453,959	144.3	144.4
South Carolina.....	1,079	27,789	1,104	28,319	218,221	220,313	142.4	144.7
Virginia.....	1,246	31,629	1,085	27,254	217,713	207,172	135.5	138.2
West Virginia.....	3,260	80,928	2,970	73,215	606,476	550,409	119.0	122.2
<b>East South Central</b> .....	<b>9,035</b>	<b>207,265</b>	<b>8,850</b>	<b>203,452</b>	<b>1,502,346</b>	<b>1,569,540</b>	<b>124.3</b>	<b>125.8</b>
Alabama.....	2,658	58,661	2,709	62,058	431,960	472,005	151.6	158.1
Kentucky.....	3,270	76,082	3,083	71,563	543,051	589,359	106.4	105.5
Mississippi.....	449	10,555	551	11,504	94,160	88,565	155.6	152.6
Tennessee.....	2,657	61,967	2,508	58,327	433,176	419,611	112.7	112.2
<b>West South Central</b> .....	<b>13,315</b>	<b>208,684</b>	<b>13,428</b>	<b>210,265</b>	<b>1,578,604</b>	<b>1,496,432</b>	<b>122.5</b>	<b>125.4</b>
Arkansas.....	1,418	24,669	1,186	20,517	182,479	155,957	150.9	151.5
Louisiana.....	1,075	17,847	1,338	21,802	154,363	147,591	138.7	143.0
Oklahoma.....	1,829	31,671	1,689	29,126	242,382	231,226	92.0	92.0
Texas.....	8,994	134,498	9,215	138,820	999,380	961,658	122.3	126.5
<b>Mountain</b> .....	<b>10,065</b>	<b>196,150</b>	<b>9,771</b>	<b>191,260</b>	<b>1,431,844</b>	<b>1,418,613</b>	<b>107.1</b>	<b>108.1</b>
Arizona.....	1,813	37,247	1,708	35,136	265,101	253,396	132.7	133.2
Colorado.....	1,574	30,710	1,454	28,502	237,534	232,291	98.4	99.3
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1,014	17,093	876	14,847	114,945	115,522	72.8	70.3
Nevada.....	769	17,255	766	17,212	110,948	109,405	134.2	134.4
New Mexico.....	1,459	26,348	1,468	26,622	198,846	186,105	134.6	133.0
Utah.....	1,196	28,563	1,385	31,548	216,172	224,062	104.3	117.8
Wyoming.....	2,240	38,934	2,115	37,392	288,298	297,833	77.2	75.9
<b>Pacific Contiguous</b> .....	<b>845</b>	<b>14,079</b>	<b>873</b>	<b>14,444</b>	<b>89,298</b>	<b>87,037</b>	<b>138.6</b>	<b>137.8</b>
California.....	—	—	—	—	—	—	—	—
Oregon.....	258	4,495	211	3,688	29,364	21,206	107.1	108.9
Washington.....	587	9,584	662	10,756	59,933	65,831	154.0	147.1
<b>Pacific Noncontiguous</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>81,345</b>	<b>1,656,686</b>	<b>82,057</b>	<b>1,678,911</b>	<b>12,301,117</b>	<b>12,589,917</b>	<b>122.7</b>	<b>126.1</b>

<sup>1</sup> Monetary values are expressed in nominal terms.

Notes: •Data for 1999 are preliminary. Data for 1998 are final. •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. •See footnotes 4 through 8 of Table 57 for information concerning delivered cost of coal to Alabama, Florida, Kentucky, and Tennessee.

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, August 1999**

Census Division and State	Type of Purchase						Type of Mining					
	Contract			Spot			Strip and Auger			Underground		
	Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>	
	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)
<b>New England</b> .....	<b>73</b>	<b>165.9</b>	<b>43.68</b>	<b>108</b>	<b>149.0</b>	<b>38.32</b>	<b>79</b>	<b>137.1</b>	<b>35.25</b>	<b>102</b>	<b>170.4</b>	<b>44.57</b>
Connecticut.....	—	—	—	—	—	—	—	—	—	—	—	—
Maine.....	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	24	190.2	50.00	28	182.1	46.85	—	—	—	52	185.8	48.29
New Hampshire.....	49	154.1	40.61	79	137.1	35.25	79	137.1	35.25	49	154.1	40.61
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>2,800</b>	<b>135.9</b>	<b>34.61</b>	<b>478</b>	<b>114.5</b>	<b>28.94</b>	<b>1,042</b>	<b>122.5</b>	<b>30.61</b>	<b>2,235</b>	<b>137.4</b>	<b>35.26</b>
New Jersey.....	219	144.5	38.59	—	—	—	84	145.5	38.34	135	143.9	38.74
New York.....	63	152.2	40.06	10	127.6	32.47	10	127.6	32.47	63	152.2	40.06
Pennsylvania.....	2,518	134.7	34.13	468	114.2	28.86	948	120.3	29.91	2,038	136.5	34.88
<b>East North Central</b> .....	<b>13,537</b>	<b>133.9</b>	<b>28.11</b>	<b>5,425</b>	<b>112.8</b>	<b>24.43</b>	<b>13,371</b>	<b>122.6</b>	<b>24.60</b>	<b>5,590</b>	<b>138.0</b>	<b>32.93</b>
Illinois.....	2,894	150.6	29.35	776	118.1	21.62	2,371	156.6	28.02	1,299	125.3	27.16
Indiana.....	3,455	110.9	23.79	1,403	110.8	24.02	3,736	105.2	21.98	1,122	127.5	30.09
Michigan.....	2,599	132.1	26.26	839	127.9	30.66	2,692	132.0	25.86	746	127.7	32.66
Ohio.....	3,184	155.2	37.09	1,582	106.5	25.12	2,672	127.0	29.36	2,094	153.9	37.91
Wisconsin.....	1,404	104.1	19.27	825	107.2	20.07	1,900	96.9	17.00	328	140.1	34.43
<b>West North Central</b> .....	<b>9,010</b>	<b>88.4</b>	<b>14.55</b>	<b>2,820</b>	<b>88.4</b>	<b>15.69</b>	<b>11,480</b>	<b>86.5</b>	<b>14.33</b>	<b>351</b>	<b>132.1</b>	<b>31.13</b>
Iowa.....	1,362	85.8	14.77	623	88.7	15.56	1,889	84.4	14.33	96	119.1	28.52
Kansas.....	1,104	108.8	18.88	508	68.9	11.87	1,574	94.7	16.29	38	145.1	32.66
Minnesota.....	1,577	109.5	19.45	73	118.7	21.32	1,648	109.9	19.51	2	162.5	39.10
Missouri.....	1,793	89.7	16.09	1,490	94.2	17.02	3,068	87.6	15.43	215	135.5	31.95
Nebraska.....	947	54.4	9.28	83	65.0	10.97	1,030	55.3	9.42	—	—	—
North Dakota.....	2,088	72.6	9.39	—	—	—	2,088	72.6	9.39	—	—	—
South Dakota.....	138	93.0	16.21	43	95.2	15.94	181	93.5	16.15	—	—	—
<b>South Atlantic</b> .....	<b>10,250</b>	<b>141.5</b>	<b>35.62</b>	<b>3,584</b>	<b>135.2</b>	<b>31.78</b>	<b>5,800</b>	<b>144.2</b>	<b>34.63</b>	<b>8,034</b>	<b>137.0</b>	<b>34.62</b>
Delaware.....	146	158.9	41.01	8	156.7	40.85	64	166.4	41.95	90	153.6	40.33
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	1,387	165.7	41.50	543	141.3	33.35	511	158.6	36.90	1,419	159.3	40.04
Georgia.....	1,829	156.7	39.53	1,368	146.4	31.26	2,035	148.5	33.66	1,161	159.3	40.07
Maryland.....	669	134.2	34.96	196	128.9	33.85	203	135.6	34.11	662	132.3	34.89
North Carolina.....	1,732	147.1	36.86	372	128.1	31.44	1,124	143.1	35.58	980	144.7	36.28
South Carolina.....	875	143.7	37.07	203	137.8	35.32	317	148.3	37.81	762	140.3	36.29
Virginia.....	867	135.8	34.34	379	135.8	34.76	468	136.6	35.15	778	135.3	34.06
West Virginia.....	2,745	117.2	29.08	515	109.4	27.22	1,080	133.9	32.90	2,181	107.2	26.75
<b>East South Central</b> .....	<b>7,143</b>	<b>120.2</b>	<b>27.14</b>	<b>1,892</b>	<b>117.0</b>	<b>28.43</b>	<b>3,449</b>	<b>108.7</b>	<b>23.05</b>	<b>5,586</b>	<b>125.4</b>	<b>30.10</b>
Alabama.....	2,183	141.1	30.24	476	132.5	33.07	1,334	117.1	22.76	1,324	156.9	38.80
Kentucky.....	2,356	104.7	23.94	914	104.3	25.37	1,641	103.4	23.92	1,629	105.8	24.76
Mississippi.....	224	174.2	42.60	225	139.8	31.49	31	134.3	31.70	419	159.4	37.41
Tennessee.....	2,380	112.2	26.02	277	114.7	28.06	443	104.4	20.13	2,214	113.8	27.45
<b>West South Central</b> .....	<b>12,727</b>	<b>117.6</b>	<b>18.35</b>	<b>588</b>	<b>133.7</b>	<b>22.96</b>	<b>13,315</b>	<b>118.4</b>	<b>18.56</b>	—	—	—
Arkansas.....	1,370	152.5	26.56	48	137.6	23.56	1,418	152.0	26.46	—	—	—
Louisiana.....	1,075	138.7	23.02	—	—	—	1,075	138.7	23.02	—	—	—
Oklahoma.....	1,829	91.0	15.75	—	—	—	1,829	91.0	15.75	—	—	—
Texas.....	8,453	114.7	16.99	540	133.3	22.91	8,994	116.0	17.35	—	—	—
<b>Mountain</b> .....	<b>9,584</b>	<b>101.3</b>	<b>19.70</b>	<b>481</b>	<b>105.3</b>	<b>21.36</b>	<b>8,328</b>	<b>101.7</b>	<b>18.95</b>	<b>1,737</b>	<b>100.9</b>	<b>23.80</b>
Arizona.....	1,498	125.3	26.00	316	116.9	22.87	1,783	122.6	25.14	31	193.3	43.47
Colorado.....	1,471	100.9	19.64	102	72.3	14.69	1,341	100.7	19.17	232	90.5	20.19
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	1,014	66.0	11.13	—	—	—	1,014	66.0	11.13	—	—	—
Nevada.....	706	120.5	26.88	63	103.4	24.63	491	115.0	25.08	278	125.5	29.56
New Mexico.....	1,459	129.6	23.41	—	—	—	1,459	129.6	23.41	—	—	—
Utah.....	1,196	94.9	22.66	—	—	—	—	—	—	1,196	94.9	22.66
Wyoming.....	2,240	75.8	13.17	—	—	—	2,240	75.8	13.17	—	—	—
<b>Pacific Contiguous</b> .....	<b>416</b>	<b>161.2</b>	<b>24.80</b>	<b>429</b>	<b>115.7</b>	<b>20.70</b>	<b>845</b>	<b>136.4</b>	<b>22.72</b>	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	258	110.4	19.23	258	110.4	19.23	—	—	—
Washington.....	416	161.2	24.80	171	123.1	22.92	587	148.5	24.25	—	—	—
<b>Pacific Noncontiguous</b> .....	—	—	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—	—
<b>U. S. Total</b> .....	<b>65,539</b>	<b>121.8</b>	<b>24.47</b>	<b>15,806</b>	<b>116.1</b>	<b>25.00</b>	<b>57,710</b>	<b>114.4</b>	<b>21.36</b>	<b>23,635</b>	<b>132.1</b>	<b>32.41</b>

<sup>1</sup> 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 1999 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. •See footnotes 4 through 8 of Table 57 for information concerning delivered cost of coal to Alabama, Florida, Kentucky, and Tennessee.

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

**Table 36. Receipts and Average Cost of Coal Delivered to Electric Utilities by Sulfur Content, Census Division, and State, August 1999**

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 <sup>1</sup>		Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>	
	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)
<b>New England</b> .....	—	—	—	<b>132</b>	<b>156.6</b>	<b>40.44</b>	—	—	—
Connecticut.....	—	—	—	—	—	—	—	—	—
Maine.....	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	—	52	185.8	48.29	—	—	—
New Hampshire.....	—	—	—	79	137.1	35.25	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>6</b>	<b>84.2</b>	<b>13.13</b>	<b>391</b>	<b>148.3</b>	<b>38.42</b>	<b>198</b>	<b>128.7</b>	<b>33.13</b>
New Jersey.....	—	—	—	161	145.4	39.03	8	138.2	34.54
New York.....	—	—	—	39	162.5	42.90	3	128.0	32.72
Pennsylvania.....	6	84.2	13.13	191	147.8	36.99	187	128.3	33.08
<b>East North Central</b> .....	<b>7,192</b>	<b>123.6</b>	<b>22.03</b>	<b>4,557</b>	<b>133.6</b>	<b>30.90</b>	<b>1,211</b>	<b>122.6</b>	<b>28.73</b>
Illinois.....	1,873	162.3	29.11	677	150.1	28.40	73	118.8	27.08
Indiana.....	1,158	103.9	18.29	766	133.5	30.68	769	120.9	27.16
Michigan.....	2,128	125.7	22.98	926	144.0	35.63	135	121.5	31.72
Ohio.....	188	111.8	19.41	2,053	123.4	29.41	75	110.4	28.41
Wisconsin.....	1,845	94.3	16.36	135	149.0	35.02	158	138.9	34.69
<b>West North Central</b> .....	<b>8,362</b>	<b>86.9</b>	<b>15.08</b>	<b>2,957</b>	<b>87.3</b>	<b>12.75</b>	<b>293</b>	<b>107.1</b>	<b>18.39</b>
Iowa.....	1,763	85.8	14.70	183	86.0	15.00	9	139.6	32.40
Kansas.....	1,537	94.4	16.11	38	145.1	32.66	—	—	—
Minnesota.....	951	108.3	19.36	697	112.1	19.72	2	162.5	39.10
Missouri.....	3,039	87.3	15.34	10	105.4	21.64	84	145.5	34.77
Nebraska.....	1,030	55.3	9.42	—	—	—	—	—	—
North Dakota.....	—	—	—	1,890	72.2	9.27	198	75.8	10.60
South Dakota.....	43	95.2	15.94	138	93.0	16.21	—	—	—
<b>South Atlantic</b> .....	<b>796</b>	<b>146.8</b>	<b>25.91</b>	<b>6,645</b>	<b>146.1</b>	<b>36.59</b>	<b>2,707</b>	<b>145.4</b>	<b>37.13</b>
Delaware.....	—	—	—	92	168.3	43.11	30	143.5	37.84
District of Columbia.....	—	—	—	—	—	—	—	—	—
Florida.....	136	128.7	23.60	749	161.3	40.30	452	174.4	44.13
Georgia.....	660	150.7	26.39	1,868	154.4	38.82	518	151.9	38.49
Maryland.....	—	—	—	276	139.3	35.35	420	129.7	34.25
North Carolina.....	—	—	—	1,658	145.4	36.36	446	137.9	34.20
South Carolina.....	—	—	—	211	147.6	38.08	696	141.3	36.33
Virginia.....	—	—	—	456	130.0	33.29	85	133.2	34.10
West Virginia.....	—	—	—	1,335	131.9	32.37	60	107.9	27.88
<b>East South Central</b> .....	<b>1,678</b>	<b>111.1</b>	<b>20.93</b>	<b>2,364</b>	<b>143.1</b>	<b>34.64</b>	<b>989</b>	<b>125.7</b>	<b>30.77</b>
Alabama.....	961	108.0	19.16	809	178.9	44.14	169	156.1	37.57
Kentucky.....	223	132.4	29.60	933	112.9	27.51	325	110.1	27.08
Mississippi.....	16	136.9	29.74	320	164.1	38.14	91	145.7	35.13
Tennessee.....	478	104.2	20.18	302	117.3	27.46	404	121.4	29.92
<b>West South Central</b> .....	<b>9,407</b>	<b>126.7</b>	<b>21.20</b>	<b>1,548</b>	<b>108.2</b>	<b>14.33</b>	<b>2,078</b>	<b>83.5</b>	<b>11.07</b>
Arkansas.....	1,418	152.0	26.46	—	—	—	—	—	—
Louisiana.....	934	139.9	23.75	42	128.4	18.16	99	128.7	18.24
Oklahoma.....	1,818	90.9	15.69	—	—	—	—	—	—
Texas.....	5,237	130.0	21.24	1,506	107.6	14.22	1,979	81.0	10.72
<b>Mountain</b> .....	<b>4,593</b>	<b>96.7</b>	<b>19.08</b>	<b>5,472</b>	<b>105.7</b>	<b>20.38</b>	—	—	—
Arizona.....	584	144.4	28.84	1,229	114.6	23.84	—	—	—
Colorado.....	1,306	100.8	19.12	268	91.7	20.29	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—
Montana.....	80	58.7	10.34	934	66.7	11.19	—	—	—
Nevada.....	730	117.8	26.32	39	139.0	33.82	—	—	—
New Mexico.....	—	—	—	1,459	129.6	23.41	—	—	—
Utah.....	656	97.6	23.34	540	91.6	21.84	—	—	—
Wyoming.....	1,236	50.3	8.44	1,004	104.9	18.99	—	—	—
<b>Pacific Contiguous</b> .....	<b>429</b>	<b>115.7</b>	<b>20.70</b>	<b>416</b>	<b>161.2</b>	<b>24.80</b>	—	—	—
California.....	—	—	—	—	—	—	—	—	—
Oregon.....	258	110.4	19.23	—	—	—	—	—	—
Washington.....	171	123.1	22.92	416	161.2	24.80	—	—	—
<b>Pacific Noncontiguous</b> .....	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—
<b>U. S. Total</b> .....	<b>32,463</b>	<b>110.7</b>	<b>19.60</b>	<b>24,481</b>	<b>128.9</b>	<b>27.28</b>	<b>7,476</b>	<b>125.9</b>	<b>26.85</b>

<sup>1</sup> 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 1999 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

**Table 36. Receipts and Average Cost of Coal Delivered to Electric Utilities by Sulfur Content, Census Division, and State, August 1999 (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 <sup>1</sup>		Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>			
	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)	(Cents/10 <sup>6</sup> Btu)	(\$/short ton)
<b>New England</b> .....	<b>33</b>	<b>157.3</b>	<b>41.06</b>	<b>17</b>	<b>147.9</b>	<b>39.72</b>	—	—	—	<b>155.9</b>	<b>40.49</b>
Connecticut.....	—	—	—	—	—	—	—	—	—	—	—
Maine.....	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	—	—	—	—	—	—	—	185.8	48.29
New Hampshire.....	33	157.3	41.06	17	147.9	39.72	—	—	—	143.7	37.30
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>950</b>	<b>131.2</b>	<b>33.10</b>	<b>1,393</b>	<b>118.1</b>	<b>30.49</b>	<b>340</b>	<b>185.6</b>	<b>44.59</b>	<b>132.8</b>	<b>33.78</b>
New Jersey.....	—	—	—	49	142.5	37.81	—	—	—	144.5	38.59
New York.....	2	128.0	31.66	30	134.1	35.02	—	—	—	148.8	38.98
Pennsylvania.....	948	131.2	33.11	1,314	116.8	30.12	340	185.6	44.59	131.5	33.30
<b>East North Central</b> .....	<b>758</b>	<b>113.5</b>	<b>27.12</b>	<b>2,712</b>	<b>108.9</b>	<b>25.37</b>	<b>2,531</b>	<b>153.4</b>	<b>35.40</b>	<b>127.7</b>	<b>27.06</b>
Illinois.....	7	50.8	8.44	736	111.0	24.01	305	127.4	27.16	144.1	27.72
Indiana.....	371	105.1	23.40	1,010	102.7	23.70	784	100.1	22.57	110.9	23.85
Michigan.....	161	120.4	31.10	82	119.6	31.34	6	160.8	37.62	130.9	27.33
Ohio.....	130	109.7	28.10	885	112.8	27.86	1,436	185.9	44.15	139.2	33.12
Wisconsin.....	90	140.2	35.42	1	147.8	32.31	—	—	—	105.3	19.57
<b>West North Central</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>36</b>	<b>113.0</b>	<b>27.83</b>	<b>182</b>	<b>123.5</b>	<b>28.45</b>	<b>88.4</b>	<b>14.82</b>
Iowa.....	—	—	—	31	110.8	27.69	—	—	—	86.7	15.02
Kansas.....	—	—	—	—	—	—	37	104.8	23.57	96.3	16.67
Minnesota.....	—	—	—	—	—	—	—	—	—	109.9	19.53
Missouri.....	—	—	—	5	128.3	28.68	145	128.1	29.71	91.7	16.51
Nebraska.....	—	—	—	—	—	—	—	—	—	55.3	9.42
North Dakota.....	—	—	—	—	—	—	—	—	—	72.6	9.39
South Dakota.....	—	—	—	—	—	—	—	—	—	93.5	16.15
<b>South Atlantic</b> .....	<b>1,676</b>	<b>124.3</b>	<b>31.54</b>	<b>847</b>	<b>144.4</b>	<b>36.53</b>	<b>1,163</b>	<b>107.4</b>	<b>26.58</b>	<b>139.9</b>	<b>34.63</b>
Delaware.....	31	146.1	37.87	—	—	—	—	—	—	158.8	41.00
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—
Florida.....	131	153.4	39.02	384	150.0	37.83	77	141.9	34.54	159.1	39.21
Georgia.....	151	139.8	34.34	—	—	—	—	—	—	152.7	35.99
Maryland.....	170	131.5	34.80	—	—	—	—	—	—	133.0	34.71
North Carolina.....	—	—	—	—	—	—	—	—	—	143.8	35.90
South Carolina.....	146	144.2	37.23	26	128.6	34.08	—	—	—	142.6	36.74
Virginia.....	186	142.6	36.64	417	141.5	35.73	102	127.8	30.92	135.8	34.47
West Virginia.....	861	107.4	26.97	20	119.9	31.25	984	102.7	25.52	116.0	28.79
<b>East South Central</b> .....	<b>1,050</b>	<b>119.3</b>	<b>29.41</b>	<b>1,343</b>	<b>109.0</b>	<b>26.09</b>	<b>1,611</b>	<b>94.8</b>	<b>21.29</b>	<b>119.5</b>	<b>27.41</b>
Alabama.....	386	125.8	30.45	260	117.9	29.46	73	105.8	25.30	139.3	30.75
Kentucky.....	65	109.5	27.39	186	99.4	22.99	1,538	94.2	21.10	104.6	24.34
Mississippi.....	—	—	—	22	131.8	33.91	—	—	—	157.6	37.02
Tennessee.....	599	116.3	28.95	876	107.6	25.56	—	—	—	112.5	26.23
<b>West South Central</b> .....	<b>271</b>	<b>76.0</b>	<b>7.99</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>11</b>	<b>99.8</b>	<b>25.89</b>	<b>118.4</b>	<b>18.56</b>
Arkansas.....	—	—	—	—	—	—	—	—	—	152.0	26.46
Louisiana.....	—	—	—	—	—	—	—	—	—	138.7	23.02
Oklahoma.....	—	—	—	—	—	—	11	99.8	25.89	91.0	15.75
Texas.....	271	76.0	7.99	—	—	—	—	—	—	116.0	17.35
<b>Mountain</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>101.5</b>	<b>19.78</b>
Arizona.....	—	—	—	—	—	—	—	—	—	123.9	25.45
Colorado.....	—	—	—	—	—	—	—	—	—	99.0	19.32
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	66.0	11.13
Nevada.....	—	—	—	—	—	—	—	—	—	119.0	26.70
New Mexico.....	—	—	—	—	—	—	—	—	—	129.6	23.41
Utah.....	—	—	—	—	—	—	—	—	—	94.9	22.66
Wyoming.....	—	—	—	—	—	—	—	—	—	75.8	13.17
<b>Pacific Contiguous</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>136.4</b>	<b>22.72</b>
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	110.4	19.23
Washington.....	—	—	—	—	—	—	—	—	—	148.5	24.25
<b>Pacific Noncontiguous</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—
<b>U. S. Total</b> .....	<b>4,738</b>	<b>122.0</b>	<b>29.39</b>	<b>6,349</b>	<b>116.1</b>	<b>28.19</b>	<b>5,838</b>	<b>129.0</b>	<b>30.05</b>	<b>120.6</b>	<b>24.57</b>

<sup>1</sup> 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 1999 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. •See footnotes 4 through 8 of Table 57 for information concerning delivered cost of coal to Alabama, Florida, Kentucky, and Tennessee.

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



**Table 37. Electric Utility Receipts of Petroleum by Type, Census Division, and State, August 1999**

Census Division and State	No. 2 Fuel Oil		No. 4 Fuel Oil <sup>1</sup>		No. 5 Fuel Oil <sup>1</sup>		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)
<b>New England</b> .....	<b>6</b>	<b>33</b>	—	—	—	—	<b>742</b>	<b>4,764</b>	<b>748</b>	<b>4,796</b>
Connecticut.....	3	15	—	—	—	—	650	4,161	652	4,176
Maine.....	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	*	2	—	—	—	—	—	—	*	2
New Hampshire.....	3	16	—	—	—	—	93	603	96	618
Rhode Island.....	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>73</b>	<b>423</b>	<b>2</b>	<b>13</b>	—	—	<b>2,254</b>	<b>14,409</b>	<b>2,377</b>	<b>15,112</b>
New Jersey.....	8	46	2	13	—	—	101	637	158	962
New York.....	—	—	—	—	—	—	1,550	9,893	1,550	9,893
Pennsylvania.....	65	378	—	—	—	—	603	3,879	668	4,257
<b>East North Central</b> .....	<b>239</b>	<b>1,382</b>	—	—	—	—	<b>415</b>	<b>2,643</b>	<b>654</b>	<b>4,025</b>
Illinois.....	35	203	—	—	—	—	129	817	164	1,020
Indiana.....	84	485	—	—	—	—	—	—	84	485
Michigan.....	28	161	—	—	—	—	286	1,826	314	1,986
Ohio.....	88	506	—	—	—	—	—	—	88	506
Wisconsin.....	5	28	—	—	—	—	—	—	5	28
<b>West North Central</b> .....	<b>76</b>	<b>440</b>	—	—	—	—	<b>3</b>	<b>20</b>	<b>79</b>	<b>460</b>
Iowa.....	23	133	—	—	—	—	—	—	23	133
Kansas.....	45	262	—	—	—	—	3	20	48	281
Minnesota.....	3	18	—	—	—	—	—	—	3	18
Missouri.....	2	12	—	—	—	—	—	—	2	12
Nebraska.....	*	1	—	—	—	—	—	—	*	1
North Dakota.....	3	15	—	—	—	—	—	—	3	15
South Dakota.....	—	—	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	<b>497</b>	<b>2,893</b>	<b>119</b>	<b>714</b>	—	—	<b>6,928</b>	<b>44,515</b>	<b>7,544</b>	<b>48,121</b>
Delaware.....	18	105	—	—	—	—	137	875	155	980
District of Columbia.....	5	29	119	714	—	—	—	—	124	743
Florida.....	75	436	—	—	—	—	5,683	36,567	5,758	37,003
Georgia.....	203	1,180	—	—	—	—	—	—	203	1,180
Maryland.....	17	101	—	—	—	—	708	4,518	726	4,619
North Carolina.....	83	483	—	—	—	—	—	—	83	483
South Carolina.....	7	39	—	—	—	—	—	—	7	39
Virginia.....	54	315	—	—	—	—	401	2,555	454	2,870
West Virginia.....	35	204	—	—	—	—	—	—	35	204
<b>East South Central</b> .....	<b>35</b>	<b>204</b>	—	—	—	—	<b>248</b>	<b>1,651</b>	<b>283</b>	<b>1,856</b>
Alabama.....	7	39	—	—	—	—	—	—	7	39
Kentucky.....	8	49	—	—	—	—	—	—	8	49
Mississippi.....	4	22	—	—	—	—	248	1,651	252	1,673
Tennessee.....	16	94	—	—	—	—	—	—	16	94
<b>West South Central</b> .....	<b>26</b>	<b>154</b>	—	—	—	—	—	—	<b>26</b>	<b>154</b>
Arkansas.....	11	68	—	—	—	—	—	—	11	68
Louisiana.....	3	21	—	—	—	—	—	—	3	21
Oklahoma.....	—	—	—	—	—	—	—	—	—	—
Texas.....	11	65	—	—	—	—	—	—	11	65
<b>Mountain</b> .....	<b>21</b>	<b>125</b>	—	—	—	—	—	—	<b>21</b>	<b>125</b>
Arizona.....	1	8	—	—	—	—	—	—	1	8
Colorado.....	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—
Montana.....	1	6	—	—	—	—	—	—	1	6
Nevada.....	3	15	—	—	—	—	—	—	3	15
New Mexico.....	1	6	—	—	—	—	—	—	1	6
Utah.....	4	24	—	—	—	—	—	—	4	24
Wyoming.....	11	66	—	—	—	—	—	—	11	66
<b>Pacific Contiguous</b> .....	<b>54</b>	<b>320</b>	—	—	—	—	—	—	<b>54</b>	<b>320</b>
California.....	10	61	—	—	—	—	—	—	10	61
Oregon.....	42	247	—	—	—	—	—	—	42	247
Washington.....	2	12	—	—	—	—	—	—	2	12
<b>Pacific Noncontiguous</b> .....	—	—	—	—	—	—	<b>1,416</b>	<b>8,872</b>	<b>1,416</b>	<b>8,872</b>
Alaska.....	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	1,416	8,872	1,416	8,872
<b>U.S. Total</b> .....	<b>1,026</b>	<b>5,973</b>	<b>121</b>	<b>727</b>	—	—	<b>12,008</b>	<b>76,874</b>	<b>13,203</b>	<b>83,841</b>

<sup>1</sup> 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 1999 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	August 1999 Receipts		August 1998 Receipts		Year to Date			
	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) <sup>1</sup>	
					1999	1998	1999	1998
<b>New England</b> .....	<b>748</b>	<b>4,796</b>	<b>2,843</b>	<b>18,080</b>	<b>70,199</b>	<b>167,538</b>	<b>202.5</b>	<b>210.8</b>
Connecticut.....	652	4,176	1,166	7,430	49,193	65,237	208.2	225.0
Maine.....	—	—	473	3,014	6,621	14,489	177.9	214.2
Massachusetts.....	*	2	1,053	6,688	1,166	77,583	233.2	199.5
New Hampshire.....	96	618	152	948	13,220	10,217	191.0	200.9
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	11	—	376.5
<b>Middle Atlantic</b> .....	<b>2,377</b>	<b>15,112</b>	<b>4,966</b>	<b>31,362</b>	<b>123,602</b>	<b>126,690</b>	<b>227.5</b>	<b>217.8</b>
New Jersey.....	158	962	62	371	9,472	7,284	260.0	250.4
New York.....	1,551	9,893	2,597	16,418	90,257	84,336	217.0	212.2
Pennsylvania.....	668	4,257	2,308	14,573	23,873	35,070	254.5	224.7
<b>East North Central</b> .....	<b>654</b>	<b>4,025</b>	<b>470</b>	<b>2,886</b>	<b>19,366</b>	<b>20,700</b>	<b>300.0</b>	<b>293.8</b>
Illinois.....	164	1,020	156	964	3,285	6,101	319.4	279.4
Indiana.....	84	485	40	232	2,612	1,803	377.9	335.4
Michigan.....	314	1,986	240	1,488	10,447	10,789	262.7	285.9
Ohio.....	88	506	30	176	2,860	1,847	339.7	341.4
Wisconsin.....	5	28	4	25	161	161	357.0	363.2
<b>West North Central</b> .....	<b>79</b>	<b>460</b>	<b>38</b>	<b>221</b>	<b>2,887</b>	<b>2,429</b>	<b>328.7</b>	<b>319.7</b>
Iowa.....	23	133	8	48	703	513	383.8	333.4
Kansas.....	48	281	15	89	1,277	595	284.5	342.7
Minnesota.....	3	18	3	16	180	205	372.1	353.8
Missouri.....	2	12	8	43	455	782	322.8	271.5
Nebraska.....	*	1	3	15	51	73	364.5	355.4
North Dakota.....	3	15	2	9	220	261	377.0	347.5
South Dakota.....	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	<b>7,544</b>	<b>48,121</b>	<b>10,356</b>	<b>65,552</b>	<b>324,372</b>	<b>307,399</b>	<b>225.7</b>	<b>214.1</b>
Delaware.....	155	980	439	2,782	11,686	8,036	231.6	229.6
District of Columbia.....	124	743	120	716	2,244	2,428	332.0	252.2
Florida.....	5,758	37,003	7,478	47,499	248,954	250,936	219.6	210.9
Georgia.....	203	1,180	108	631	2,961	1,766	376.5	331.4
Maryland.....	726	4,619	794	5,043	33,719	23,623	238.2	213.8
North Carolina.....	83	483	52	299	1,972	1,780	359.4	315.5
South Carolina.....	7	39	6	33	293	368	340.1	350.1
Virginia.....	454	2,870	1,313	8,283	21,511	17,206	221.0	212.5
West Virginia.....	35	204	46	267	1,031	1,254	376.9	375.7
<b>East South Central</b> .....	<b>283</b>	<b>1,856</b>	<b>926</b>	<b>6,058</b>	<b>25,965</b>	<b>43,893</b>	<b>166.6</b>	<b>209.7</b>
Alabama.....	7	39	21	126	509	431	234.7	300.1
Kentucky.....	8	49	12	72	746	846	369.6	390.5
Mississippi.....	252	1,673	854	5,636	23,451	42,078	150.1	203.8
Tennessee.....	16	94	38	225	1,259	539	325.8	312.7
<b>West South Central</b> .....	<b>26</b>	<b>154</b>	<b>97</b>	<b>615</b>	<b>3,627</b>	<b>6,434</b>	<b>237.5</b>	<b>256.3</b>
Arkansas.....	12	68	12	73	318	367	314.0	390.5
Louisiana.....	3	21	69	449	2,838	4,927	217.2	220.6
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	11	65	16	93	471	1,139	307.7	367.8
<b>Mountain</b> .....	<b>21</b>	<b>125</b>	<b>36</b>	<b>208</b>	<b>1,240</b>	<b>1,440</b>	<b>429.8</b>	<b>430.9</b>
Arizona.....	1	8	17	96	409	613	424.8	439.5
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1	6	4	24	65	59	397.7	473.8
Nevada.....	3	15	—	—	93	130	428.4	390.8
New Mexico.....	1	6	2	11	223	160	427.8	456.3
Utah.....	4	24	5	29	151	180	469.4	430.6
Wyoming.....	11	66	8	47	299	298	425.4	408.6
<b>Pacific Contiguous</b> .....	<b>54</b>	<b>320</b>	<b>—</b>	<b>—</b>	<b>343</b>	<b>506</b>	<b>397.7</b>	<b>314.0</b>
California.....	10	61	—	—	61	432	327.2	297.6
Oregon.....	42	247	—	—	247	—	414.1	—
Washington.....	2	12	—	—	35	74	404.5	409.0
<b>Pacific Noncontiguous</b> .....	<b>1,416</b>	<b>8,872</b>	<b>375</b>	<b>2,361</b>	<b>41,247</b>	<b>28,613</b>	<b>274.2</b>	<b>267.8</b>
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	1,416	8,872	375	2,361	41,247	28,613	274.2	267.8
<b>U.S. Total</b> .....	<b>13,203</b>	<b>83,841</b>	<b>20,107</b>	<b>127,343</b>	<b>612,848</b>	<b>705,642</b>	<b>227.6</b>	<b>219.5</b>

<sup>1</sup> Monetary values are expressed in nominal terms.

\* Less than 0.5.

Notes: •Data for 1999 are preliminary. Data for 1998 are final. •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •The August 1999 petroleum coke receipts were 297,600 short tons and the cost was 62.7 cents per million Btu. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

**Table 39. Receipts and Average Cost of Petroleum Delivered to Electric Utilities by Type of Purchase, Census Division, and State, August 1999**

Census Division and State	Fuel Oil No. 6 by Type of Purchase						Averaged Cost of Fuel Oils <sup>1</sup>					
	Contract			Spot			No. 2		No. 4-No. 5		No. 6	
	Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>		(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)
	(1,000 bbls)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(1,000 bbls)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)
<b>New England</b> .....	<b>419</b>	<b>322.7</b>	<b>20.62</b>	<b>324</b>	<b>287.0</b>	<b>18.51</b>	<b>409.1</b>	<b>23.68</b>	—	—	<b>307.0</b>	<b>19.70</b>
Connecticut.....	419	322.7	20.62	231	294.1	18.91	430.1	24.89	—	—	312.5	20.02
Maine.....	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	—	—	—	—	420.5	24.33	—	—	—	—
New Hampshire.....	—	—	—	93	269.4	17.49	387.7	22.44	—	—	269.4	17.49
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>564</b>	<b>321.0</b>	<b>20.52</b>	<b>1,690</b>	<b>294.2</b>	<b>18.81</b>	<b>407.3</b>	<b>23.75</b>	<b>386.3</b>	<b>23.18</b>	<b>301.0</b>	<b>19.24</b>
New Jersey.....	22	298.0	19.24	79	365.8	22.95	380.0	22.35	386.3	23.18	350.7	22.15
New York.....	542	322.0	20.57	1,008	294.0	18.75	—	—	—	—	303.8	19.38
Pennsylvania.....	—	—	—	603	285.5	18.37	410.6	23.92	—	—	285.5	18.37
<b>East North Central</b> .....	—	—	—	<b>415</b>	<b>276.8</b>	<b>17.62</b>	<b>435.3</b>	<b>25.20</b>	—	—	<b>276.8</b>	<b>17.62</b>
Illinois.....	—	—	—	129	307.6	19.43	446.2	25.98	—	—	307.6	19.43
Indiana.....	—	—	—	—	—	—	450.9	26.01	—	—	—	—
Michigan.....	—	—	—	286	263.0	16.80	430.8	25.04	—	—	263.0	16.80
Ohio.....	—	—	—	—	—	—	418.4	24.20	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	416.4	24.48	—	—	—	—
<b>West North Central</b> .....	—	—	—	<b>3</b>	<b>192.6</b>	<b>12.70</b>	<b>450.7</b>	<b>26.23</b>	—	—	<b>192.6</b>	<b>12.70</b>
Iowa.....	—	—	—	—	—	—	441.3	25.89	—	—	—	—
Kansas.....	—	—	—	3	192.6	12.70	453.5	26.30	—	—	192.6	12.70
Minnesota.....	—	—	—	—	—	—	465.7	26.96	—	—	—	—
Missouri.....	—	—	—	—	—	—	421.7	24.26	—	—	—	—
Nebraska.....	—	—	—	—	—	—	485.0	28.14	—	—	—	—
North Dakota.....	—	—	—	—	—	—	486.0	28.54	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	<b>3,022</b>	<b>291.8</b>	<b>18.84</b>	<b>3,906</b>	<b>284.6</b>	<b>18.22</b>	<b>436.4</b>	<b>25.39</b>	<b>353.9</b>	<b>21.24</b>	<b>287.8</b>	<b>18.49</b>
Delaware.....	—	—	—	137	306.2	19.62	427.0	24.90	—	—	306.2	19.62
District of Columbia.....	—	—	—	—	—	—	445.8	25.99	353.9	21.24	—	—
Florida.....	2,717	291.4	18.83	2,966	281.9	18.06	437.0	25.40	—	—	286.4	18.43
Georgia.....	—	—	—	—	—	—	440.5	25.62	—	—	—	—
Maryland.....	305	295.6	18.91	403	300.1	19.10	430.5	25.18	—	—	298.2	19.02
North Carolina.....	—	—	—	—	—	—	422.4	24.49	—	—	—	—
South Carolina.....	—	—	—	—	—	—	431.1	24.99	—	—	—	—
Virginia.....	—	—	—	401	282.3	18.00	430.9	25.28	—	—	282.3	18.00
West Virginia.....	—	—	—	—	—	—	461.1	26.65	—	—	—	—
<b>East South Central</b> .....	—	—	—	<b>248</b>	<b>163.0</b>	<b>10.84</b>	<b>402.2</b>	<b>23.58</b>	—	—	<b>163.0</b>	<b>10.84</b>
Alabama.....	—	—	—	—	—	—	219.2	12.71	—	—	—	—
Kentucky.....	—	—	—	—	—	—	474.0	27.79	—	—	—	—
Mississippi.....	—	—	—	248	163.0	10.84	312.0	18.43	—	—	163.0	10.84
Tennessee.....	—	—	—	—	—	—	460.9	27.08	—	—	—	—
<b>West South Central</b> .....	—	—	—	—	—	—	<b>393.4</b>	<b>23.07</b>	—	—	—	—
Arkansas.....	—	—	—	—	—	—	310.8	18.40	—	—	—	—
Louisiana.....	—	—	—	—	—	—	337.1	19.89	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	497.8	28.86	—	—	—	—
<b>Mountain</b> .....	—	—	—	—	—	—	<b>495.0</b>	<b>28.96</b>	—	—	—	—
Arizona.....	—	—	—	—	—	—	545.0	32.17	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	477.0	28.25	—	—	—	—
Nevada.....	—	—	—	—	—	—	535.7	31.30	—	—	—	—
New Mexico.....	—	—	—	—	—	—	590.2	33.71	—	—	—	—
Utah.....	—	—	—	—	—	—	447.2	26.30	—	—	—	—
Wyoming.....	—	—	—	—	—	—	489.8	28.61	—	—	—	—
<b>Pacific Contiguous</b> .....	—	—	—	—	—	—	<b>401.7</b>	<b>23.77</b>	—	—	—	—
California.....	—	—	—	—	—	—	327.2	19.91	—	—	—	—
Oregon.....	—	—	—	—	—	—	414.1	24.35	—	—	—	—
Washington.....	—	—	—	—	—	—	527.7	31.03	—	—	—	—
<b>Pacific Noncontiguous</b> .....	<b>1,416</b>	<b>325.2</b>	<b>20.38</b>	—	—	—	—	—	—	—	<b>325.2</b>	<b>20.38</b>
Alaska.....	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	1,416	325.2	20.38	—	—	—	—	—	—	—	325.2	20.38
<b>U. S. Total</b> .....	<b>5,421</b>	<b>305.8</b>	<b>19.56</b>	<b>6,587</b>	<b>281.9</b>	<b>18.07</b>	<b>432.1</b>	<b>25.15</b>	<b>354.5</b>	<b>21.28</b>	<b>292.7</b>	<b>18.74</b>

<sup>1</sup> 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 1999 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

**Table 40. Receipts and Average Cost of Heavy Oil Delivered to Electric Utilities by Sulfur Content, Census Division, and State, August 1999**

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 <sup>1</sup>		Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>	
	(1,000 bbls)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(1,000 bbls)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(1,000 bbls)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)
<b>New England</b> .....	—	—	—	265	336.0	21.24	385	296.7	19.17
Connecticut.....	—	—	—	265	336.0	21.24	385	296.7	19.17
Maine.....	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	—	—	—	—	—	—	—
New Hampshire.....	—	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	518	334.0	21.28	374	288.6	18.40	1,060	291.4	18.70
New Jersey.....	81	366.3	22.96	—	—	—	22	298.0	19.24
New York.....	437	328.2	20.97	—	—	—	809	294.3	18.80
Pennsylvania.....	—	—	—	374	288.6	18.40	229	280.6	18.31
<b>East North Central</b> .....	36	251.0	14.96	—	—	—	270	288.0	18.39
Illinois.....	—	—	—	—	—	—	129	307.6	19.43
Indiana.....	—	—	—	—	—	—	—	—	—
Michigan.....	36	251.0	14.96	—	—	—	140	270.4	17.44
Ohio.....	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—
<b>West North Central</b> .....	—	—	—	—	—	—	—	—	—
Iowa.....	—	—	—	—	—	—	—	—	—
Kansas.....	—	—	—	—	—	—	—	—	—
Minnesota.....	—	—	—	—	—	—	—	—	—
Missouri.....	—	—	—	—	—	—	—	—	—
Nebraska.....	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	3	214.0	12.59	18	214.1	12.51	3,531	291.9	18.62
Delaware.....	—	—	—	—	—	—	137	306.2	19.62
District of Columbia.....	—	—	—	—	—	—	119	353.9	21.24
Florida.....	3	214.0	12.59	18	214.1	12.51	2,424	285.9	18.29
Georgia.....	—	—	—	—	—	—	—	—	—
Maryland.....	—	—	—	—	—	—	569	300.9	19.15
North Carolina.....	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—
Virginia.....	—	—	—	—	—	—	283	294.3	18.78
West Virginia.....	—	—	—	—	—	—	—	—	—
<b>East South Central</b> .....	—	—	—	—	—	—	12	167.9	11.20
Alabama.....	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	—	—	—	12	167.9	11.20
Tennessee.....	—	—	—	—	—	—	—	—	—
<b>West South Central</b> .....	—	—	—	—	—	—	—	—	—
Arkansas.....	—	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	—	—	—
<b>Mountain</b> .....	—	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—	—
<b>Pacific Contiguous</b> .....	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—
<b>Pacific Noncontiguous</b> .....	—	—	—	1,416	325.2	20.38	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	1,416	325.2	20.38	—	—	—
<b>U. S. Total</b> .....	557	328.5	20.83	2,073	319.0	20.06	5,258	291.7	18.65

<sup>1</sup> 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 1999 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

**Table 40. Receipts and Average Cost of Heavy Oil Delivered to Electric Utilities by Sulfur Content, Census Division, and State, August 1999 (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 <sup>1</sup>		Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>			
	(1,000 bbls)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(1,000 bbls)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(1,000 bbls)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)	(Cents/10 <sup>6</sup> Btu)	(\$/bbl)
<b>New England</b> .....	<b>93</b>	<b>269.4</b>	<b>17.49</b>	—	—	—	—	—	—	<b>307.0</b>	<b>19.70</b>
Connecticut.....	—	—	—	—	—	—	—	—	—	312.5	20.02
Maine.....	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	—	—	—	—	—	—	—	—	—
New Hampshire.....	93	269.4	17.49	—	—	—	—	—	—	269.4	17.49
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
<b>Middle Atlantic</b> .....	<b>304</b>	<b>293.9</b>	<b>18.67</b>	—	—	—	—	—	—	<b>301.0</b>	<b>19.24</b>
New Jersey.....	—	—	—	—	—	—	—	—	—	351.4	22.17
New York.....	304	293.9	18.67	—	—	—	—	—	—	303.8	19.38
Pennsylvania.....	—	—	—	—	—	—	—	—	—	285.5	18.37
<b>East North Central</b> .....	<b>110</b>	<b>257.2</b>	<b>16.57</b>	—	—	—	—	—	—	<b>276.8</b>	<b>17.62</b>
Illinois.....	—	—	—	—	—	—	—	—	—	307.6	19.43
Indiana.....	—	—	—	—	—	—	—	—	—	—	—
Michigan.....	110	257.2	16.57	—	—	—	—	—	—	263.0	16.80
Ohio.....	—	—	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—	—	—
<b>West North Central</b> .....	<b>3</b>	<b>192.6</b>	<b>12.70</b>	—	—	—	—	—	—	<b>192.6</b>	<b>12.70</b>
Iowa.....	—	—	—	—	—	—	—	—	—	—	—
Kansas.....	3	192.6	12.70	—	—	—	—	—	—	192.6	12.70
Minnesota.....	—	—	—	—	—	—	—	—	—	—	—
Missouri.....	—	—	—	—	—	—	—	—	—	—	—
Nebraska.....	—	—	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	<b>2,157</b>	<b>280.7</b>	<b>18.19</b>	<b>1,338</b>	<b>295.0</b>	<b>18.98</b>	—	—	—	<b>288.8</b>	<b>18.54</b>
Delaware.....	—	—	—	—	—	—	—	—	—	306.2	19.62
District of Columbia.....	—	—	—	—	—	—	—	—	—	353.9	21.24
Florida.....	1,900	281.9	18.29	1,338	295.0	18.98	—	—	—	286.4	18.43
Georgia.....	—	—	—	—	—	—	—	—	—	—	—
Maryland.....	139	287.3	18.48	—	—	—	—	—	—	298.2	19.02
North Carolina.....	—	—	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—	—	—
Virginia.....	118	253.3	16.14	—	—	—	—	—	—	282.3	18.00
West Virginia.....	—	—	—	—	—	—	—	—	—	—	—
<b>East South Central</b> .....	—	—	—	<b>237</b>	<b>162.8</b>	<b>10.82</b>	—	—	—	<b>163.0</b>	<b>10.84</b>
Alabama.....	—	—	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	237	162.8	10.82	—	—	—	163.0	10.84
Tennessee.....	—	—	—	—	—	—	—	—	—	—	—
<b>West South Central</b> .....	—	—	—	—	—	—	—	—	—	—	—
Arkansas.....	—	—	—	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	—	—	—	—	—
<b>Mountain</b> .....	—	—	—	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—	—	—	—
<b>Pacific Contiguous</b> .....	—	—	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—	—	—
<b>Pacific Noncontiguous</b> .....	—	—	—	—	—	—	—	—	—	<b>325.2</b>	<b>20.38</b>
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	325.2	20.38
<b>U. S. Total</b> .....	<b>2,667</b>	<b>280.7</b>	<b>18.14</b>	<b>1,574</b>	<b>274.6</b>	<b>17.75</b>	—	—	—	<b>293.3</b>	<b>18.76</b>

<sup>1</sup> 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 1999 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

**Table 41. Electric Utility Receipts of Gas by Type, Census Division, and State, August 1999**

Census Division and State	Natural		Blast-Furnace <sup>1</sup>		Refinery		Total	
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)
<b>New England</b> .....	<b>3,033</b>	<b>3,114</b>	—	—	—	—	<b>3,033</b>	<b>3,114</b>
Connecticut.....	1,882	1,935	—	—	—	—	1,882	1,935
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	978	1,003	—	—	—	—	978	1,003
New Hampshire.....	40	41	—	—	—	—	40	41
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	133	135	—	—	—	—	133	135
<b>Middle Atlantic</b> .....	<b>26,050</b>	<b>26,623</b>	—	—	—	—	<b>26,050</b>	<b>26,623</b>
New Jersey.....	3,669	3,774	—	—	—	—	3,669	3,774
New York.....	20,481	20,886	—	—	—	—	20,481	20,886
Pennsylvania.....	1,900	1,963	—	—	—	—	1,900	1,963
<b>East North Central</b> .....	<b>7,338</b>	<b>7,446</b>	<b>1,870</b>	<b>190</b>	—	—	<b>9,209</b>	<b>7,636</b>
Illinois.....	2,916	2,979	—	—	—	—	2,916	2,979
Indiana.....	723	742	—	—	—	—	723	742
Michigan.....	2,888	2,897	1,870	190	—	—	4,758	3,087
Ohio.....	351	361	—	—	—	—	351	361
Wisconsin.....	461	467	—	—	—	—	461	467
<b>West North Central</b> .....	<b>9,716</b>	<b>9,732</b>	—	—	—	—	<b>9,716</b>	<b>9,732</b>
Iowa.....	487	490	—	—	—	—	487	490
Kansas.....	6,809	6,816	—	—	—	—	6,809	6,816
Minnesota.....	216	217	—	—	—	—	216	217
Missouri.....	1,979	1,984	—	—	—	—	1,979	1,984
Nebraska.....	227	226	—	—	—	—	227	226
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	<b>39,882</b>	<b>41,461</b>	—	—	<b>68</b>	<b>77</b>	<b>39,950</b>	<b>41,538</b>
Delaware.....	3,301	3,495	—	—	—	—	3,301	3,495
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	26,452	27,485	—	—	—	—	26,452	27,485
Georgia.....	3,394	3,504	—	—	—	—	3,394	3,504
Maryland.....	4,207	4,370	—	—	—	—	4,207	4,370
North Carolina.....	635	653	—	—	—	—	635	653
South Carolina.....	113	116	—	—	—	—	113	116
Virginia.....	1,753	1,812	—	—	68	77	1,821	1,889
West Virginia.....	27	27	—	—	—	—	27	27
<b>East South Central</b> .....	<b>12,337</b>	<b>12,655</b>	—	—	—	—	<b>12,337</b>	<b>12,655</b>
Alabama.....	249	251	—	—	—	—	249	251
Kentucky.....	35	36	—	—	—	—	35	36
Mississippi.....	12,053	12,367	—	—	—	—	12,053	12,367
Tennessee.....	—	—	—	—	—	—	—	—
<b>West South Central</b> .....	<b>243,356</b>	<b>249,443</b>	—	—	—	—	<b>243,356</b>	<b>249,443</b>
Arkansas.....	4,934	5,043	—	—	—	—	4,934	5,043
Louisiana.....	42,739	44,235	—	—	—	—	42,739	44,235
Oklahoma.....	24,540	25,286	—	—	—	—	24,540	25,286
Texas.....	171,143	174,879	—	—	—	—	171,143	174,879
<b>Mountain</b> .....	<b>19,791</b>	<b>20,208</b>	—	—	<b>6</b>	<b>7</b>	<b>19,797</b>	<b>20,216</b>
Arizona.....	6,492	6,561	—	—	—	—	6,492	6,561
Colorado.....	2,213	2,280	—	—	—	—	2,213	2,280
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	*	*	—	—	6	7	6	7
Nevada.....	6,161	6,372	—	—	—	—	6,161	6,372
New Mexico.....	4,380	4,438	—	—	—	—	4,380	4,438
Utah.....	541	552	—	—	—	—	541	552
Wyoming.....	5	5	—	—	—	—	5	5
<b>Pacific Contiguous</b> .....	<b>14,903</b>	<b>15,048</b>	—	—	—	—	<b>14,903</b>	<b>15,048</b>
California.....	12,763	12,884	—	—	—	—	12,763	12,884
Oregon.....	2,140	2,164	—	—	—	—	2,140	2,164
Washington.....	—	—	—	—	—	—	—	—
<b>Pacific Noncontiguous</b> .....	<b>1,509</b>	<b>1,509</b>	—	—	—	—	<b>1,509</b>	<b>1,509</b>
Alaska.....	1,509	1,509	—	—	—	—	1,509	1,509
Hawaii.....	—	—	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>377,916</b>	<b>387,240</b>	<b>1,870</b>	<b>190</b>	<b>74</b>	<b>84</b>	<b>379,860</b>	<b>387,514</b>

<sup>1</sup> 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 1999 are preliminary. •Mcf=thousand cubic feet. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	August 1999 Receipts		August 1998 Receipts		Year to Date			
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) <sup>1</sup>	
					1999	1998	1999	1998
<b>New England</b> .....	<b>3,033</b>	<b>3,114</b>	<b>6,878</b>	<b>7,074</b>	<b>16,042</b>	<b>43,665</b>	<b>254.0</b>	<b>291.3</b>
Connecticut.....	1,882	1,935	2,688	2,765	8,860	9,280	250.0	240.8
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	978	1,003	1,932	1,983	6,866	18,196	257.7	284.3
New Hampshire.....	40	41	—	—	160	—	252.7	—
Rhode Island.....	—	—	2,250	2,318	—	16,024	—	328.5
Vermont.....	133	135	8	8	156	165	318.5	288.7
<b>Middle Atlantic</b> .....	<b>26,050</b>	<b>26,623</b>	<b>36,645</b>	<b>37,813</b>	<b>159,365</b>	<b>175,016</b>	<b>269.6</b>	<b>257.9</b>
New Jersey.....	3,669	3,774	3,386	3,542	16,194	15,086	293.0	264.4
New York.....	20,481	20,886	33,189	34,198	134,411	155,807	265.3	256.3
Pennsylvania.....	1,900	1,963	70	72	8,760	4,123	293.3	294.8
<b>East North Central</b> .....	<b>9,209</b>	<b>7,636</b>	<b>13,461</b>	<b>11,838</b>	<b>57,664</b>	<b>64,183</b>	<b>241.3</b>	<b>232.6</b>
Illinois.....	2,916	2,979	6,831	6,973	28,693	42,160	228.5	224.4
Indiana.....	723	742	1,018	1,046	3,507	3,848	278.6	278.6
Michigan.....	4,758	3,087	4,944	3,141	20,253	13,751	243.5	229.1
Ohio.....	351	361	84	86	1,970	1,446	278.0	300.0
Wisconsin.....	461	467	584	591	3,241	2,978	278.4	272.8
<b>West North Central</b> .....	<b>9,716</b>	<b>9,732</b>	<b>7,838</b>	<b>7,902</b>	<b>37,417</b>	<b>29,479</b>	<b>241.0</b>	<b>230.0</b>
Iowa.....	487	490	297	297	2,542	2,378	302.9	306.7
Kansas.....	6,809	6,816	5,366	5,416	25,840	19,984	229.0	219.2
Minnesota.....	216	217	480	484	1,947	1,453	249.9	243.9
Missouri.....	1,979	1,984	1,127	1,140	5,774	4,148	258.3	225.7
Nebraska.....	227	226	568	566	1,314	1,515	267.4	250.7
North Dakota.....	—	—	*	*	*	*	442.9	352.4
South Dakota.....	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	<b>39,950</b>	<b>41,538</b>	<b>31,871</b>	<b>33,349</b>	<b>231,030</b>	<b>198,459</b>	<b>282.9</b>	<b>288.1</b>
Delaware.....	3,301	3,495	1,677	1,647	15,755	6,601	283.8	296.7
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	26,452	27,485	23,906	25,134	177,150	166,977	283.0	287.3
Georgia.....	3,394	3,504	2,332	2,391	9,448	8,570	245.8	298.9
Maryland.....	4,207	4,370	1,286	1,350	9,741	3,413	303.0	267.3
North Carolina.....	635	653	420	441	1,798	1,573	275.5	270.9
South Carolina.....	113	116	79	81	328	392	345.4	354.8
Virginia.....	1,821	1,889	2,150	2,282	16,517	10,790	288.9	291.3
West Virginia.....	27	27	21	21	293	143	302.5	419.8
<b>East South Central</b> .....	<b>12,337</b>	<b>12,655</b>	<b>8,994</b>	<b>9,380</b>	<b>57,320</b>	<b>40,997</b>	<b>238.1</b>	<b>229.8</b>
Alabama.....	249	251	201	212	1,461	1,308	262.3	248.7
Kentucky.....	35	36	44	45	587	504	335.5	365.5
Mississippi.....	12,053	12,367	8,749	9,123	55,271	39,184	236.4	227.5
Tennessee.....	—	—	—	—	—	—	—	—
<b>West South Central</b> .....	<b>243,356</b>	<b>249,443</b>	<b>225,039</b>	<b>232,042</b>	<b>1,234,469</b>	<b>1,221,406</b>	<b>237.0</b>	<b>233.8</b>
Arkansas.....	4,934	5,043	4,282	4,341	19,650	18,080	246.8	227.2
Louisiana.....	42,739	44,235	38,034	39,794	229,642	200,888	237.0	235.8
Oklahoma.....	24,540	25,286	25,462	26,190	121,743	121,222	255.7	250.1
Texas.....	171,143	174,879	157,262	161,717	863,435	881,216	234.2	231.3
<b>Mountain</b> .....	<b>19,797</b>	<b>20,216</b>	<b>20,723</b>	<b>21,153</b>	<b>108,998</b>	<b>87,056</b>	<b>235.5</b>	<b>234.4</b>
Arizona.....	6,492	6,561	7,119	7,205	31,897	19,367	250.9	247.2
Colorado.....	2,213	2,280	599	594	10,428	2,063	242.7	293.0
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	6	7	9	10	79	72	379.4	330.2
Nevada.....	6,161	6,372	6,954	7,205	39,747	35,190	231.1	232.3
New Mexico.....	4,380	4,438	4,960	5,012	23,874	28,153	217.7	225.3
Utah.....	541	552	1,081	1,126	2,840	2,165	235.0	200.5
Wyoming.....	5	5	1	1	133	47	393.8	811.3
<b>Pacific Contiguous</b> .....	<b>14,903</b>	<b>15,048</b>	<b>37,154</b>	<b>37,793</b>	<b>121,286</b>	<b>191,115</b>	<b>256.7</b>	<b>262.3</b>
California.....	12,763	12,884	33,583	34,184	110,821	177,348	263.8	272.1
Oregon.....	2,140	2,164	3,570	3,610	10,465	13,764	181.5	135.4
Washington.....	—	—	—	—	—	2	—	325.9
<b>Pacific Noncontiguous</b> .....	<b>1,509</b>	<b>1,509</b>	<b>1,358</b>	<b>1,358</b>	<b>13,538</b>	<b>11,904</b>	<b>163.3</b>	<b>184.0</b>
Alaska.....	1,509	1,509	1,358	1,358	13,538	11,904	163.3	184.0
Hawaii.....	—	—	—	—	—	—	—	—
<b>U.S. Total</b> .....	<b>379,860</b>	<b>387,514</b>	<b>389,961</b>	<b>399,703</b>	<b>2,037,129</b>	<b>2,063,280</b>	<b>245.7</b>	<b>244.5</b>

<sup>1</sup> Monetary values are expressed in nominal terms.

\* Less than 0.5.

Notes: •Data for 1999 are preliminary. Data for 1998 are final. •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Includes small quantities of coke-oven, refinery, and blast-furnace gas. •Mcf=thousand cubic feet. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

**Table 43. Receipts and Average Cost of Gas Delivered to Electric Utilities by Type of Purchase, Census Division, and State, August 1999**

Census Division and State	Firm Gas			Interruptible Gas			Spot Gas			Total Gas		
	Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>		Receipts	Average Cost <sup>1</sup>	
	(1,000 Mcf)	(Cents/ 10 <sup>6</sup> Btu)	(\$/ Mcf)	(1,000 Mcf)	(Cents/ 10 <sup>6</sup> Btu)	(\$/ Mcf)	(1,000 Mcf)	(Cents/ 10 <sup>6</sup> Btu)	(\$/ Mcf)	(1,000 Mcf)	(Cents/ 10 <sup>6</sup> Btu)	(\$/ Mcf)
<b>New England</b> .....	—	—	—	<b>2,802</b>	<b>268.1</b>	<b>2.75</b>	<b>231</b>	<b>319.8</b>	<b>3.24</b>	<b>3,033</b>	<b>271.9</b>	<b>2.79</b>
Connecticut.....	—	—	—	1,882	257.8	2.65	—	—	—	1,882	257.8	2.65
Maine.....	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	—	880	288.8	2.97	98	310.1	3.16	978	290.9	2.99
New Hampshire.....	—	—	—	40	293.6	3.02	—	—	—	40	293.6	3.02
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	133	326.9	3.31	133	326.9	3.31
<b>Middle Atlantic</b> .....	<b>2,047</b>	<b>335.9</b>	<b>3.41</b>	<b>12,354</b>	<b>291.3</b>	<b>2.99</b>	<b>11,649</b>	<b>310.1</b>	<b>3.16</b>	<b>26,050</b>	<b>303.2</b>	<b>3.10</b>
New Jersey.....	—	—	—	3,593	329.1	3.38	76	284.6	2.94	3,669	328.2	3.38
New York.....	1,542	352.5	3.57	8,706	275.6	2.83	10,232	310.6	3.16	20,481	298.8	3.05
Pennsylvania.....	504	286.0	2.95	54	304.8	3.16	1,341	307.3	3.18	1,900	301.6	3.12
<b>East North Central</b> .....	<b>1,676</b>	<b>232.2</b>	<b>2.34</b>	<b>4,302</b>	<b>286.5</b>	<b>1.77</b>	<b>3,230</b>	<b>269.2</b>	<b>2.74</b>	<b>9,209</b>	<b>267.0</b>	<b>2.21</b>
Illinois.....	274	269.5	2.77	371	306.0	3.14	2,271	259.4	2.65	2,916	266.3	2.72
Indiana.....	—	—	—	723	279.1	2.86	—	—	—	723	279.1	2.86
Michigan.....	1,359	222.5	2.23	2,777	280.8	1.11	622	295.3	2.95	4,758	258.0	1.67
Ohio.....	43	293.5	3.00	1	458.8	4.59	307	289.3	2.98	351	290.2	2.98
Wisconsin.....	—	—	—	431	296.4	3.00	30	276.0	2.81	461	295.0	2.99
<b>West North Central</b> .....	<b>567</b>	<b>297.2</b>	<b>2.95</b>	<b>7,928</b>	<b>262.0</b>	<b>2.63</b>	<b>1,221</b>	<b>290.5</b>	<b>2.91</b>	<b>9,716</b>	<b>267.7</b>	<b>2.68</b>
Iowa.....	25	385.7	3.92	358	278.5	2.81	103	315.9	3.16	487	292.0	2.94
Kansas.....	432	295.0	2.92	5,697	251.7	2.52	680	306.2	3.08	6,809	259.9	2.60
Minnesota.....	—	—	—	81	267.3	2.72	135	146.0	1.46	216	192.0	1.93
Missouri.....	—	—	—	1,675	286.1	2.87	303	310.9	3.10	1,979	289.9	2.91
Nebraska.....	111	285.5	2.85	116	365.3	3.61	—	—	—	227	326.2	3.24
North Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
<b>South Atlantic</b> .....	<b>25,938</b>	<b>319.1</b>	<b>3.32</b>	<b>11,961</b>	<b>301.8</b>	<b>3.12</b>	<b>2,051</b>	<b>322.7</b>	<b>3.35</b>	<b>39,950</b>	<b>314.1</b>	<b>3.27</b>
Delaware.....	3,301	289.5	3.06	—	—	—	—	—	—	3,301	289.5	3.06
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	22,637	323.5	3.36	3,585	306.7	3.18	231	270.7	2.82	26,452	320.7	3.33
Georgia.....	—	—	—	3,394	257.7	2.66	—	—	—	3,394	257.7	2.66
Maryland.....	—	—	—	4,207	331.5	3.44	—	—	—	4,207	331.5	3.44
North Carolina.....	—	—	—	635	300.1	3.09	—	—	—	635	300.1	3.09
South Carolina.....	—	—	—	113	374.4	3.85	—	—	—	113	374.4	3.85
Virginia.....	—	—	—	—	—	—	1,821	329.3	3.42	1,821	329.3	3.42
West Virginia.....	—	—	—	27	292.8	2.93	—	—	—	27	292.8	2.93
<b>East South Central</b> .....	<b>602</b>	<b>232.3</b>	<b>2.38</b>	<b>841</b>	<b>249.3</b>	<b>2.56</b>	<b>10,894</b>	<b>275.1</b>	<b>2.82</b>	<b>12,337</b>	<b>271.2</b>	<b>2.78</b>
Alabama.....	—	—	—	249	225.7	2.28	—	—	—	249	225.7	2.28
Kentucky.....	—	—	—	—	—	—	35	318.4	3.26	35	318.4	3.26
Mississippi.....	602	232.3	2.38	592	259.0	2.68	10,859	274.9	2.82	12,053	272.0	2.79
Tennessee.....	—	—	—	—	—	—	—	—	—	—	—	—
<b>West South Central</b> .....	<b>111,250</b>	<b>281.4</b>	<b>2.88</b>	<b>10,689</b>	<b>255.2</b>	<b>2.62</b>	<b>121,417</b>	<b>278.9</b>	<b>2.86</b>	<b>243,356</b>	<b>279.0</b>	<b>2.86</b>
Arkansas.....	—	—	—	—	—	—	4,934	289.6	2.96	4,934	289.6	2.96
Louisiana.....	6,097	289.2	3.02	6,339	266.1	2.75	30,303	284.3	2.94	42,739	282.3	2.92
Oklahoma.....	14,129	293.7	3.04	12	289.7	2.92	10,399	274.2	2.81	24,540	285.5	2.94
Texas.....	91,025	278.9	2.85	4,338	239.0	2.43	75,781	276.7	2.83	171,143	276.9	2.83
<b>Mountain</b> .....	<b>6,960</b>	<b>266.1</b>	<b>2.71</b>	<b>7,262</b>	<b>268.6</b>	<b>2.73</b>	<b>5,575</b>	<b>242.2</b>	<b>2.49</b>	<b>19,797</b>	<b>260.2</b>	<b>2.66</b>
Arizona.....	2,855	298.7	3.02	2,309	254.3	2.56	1,328	291.8	2.96	6,492	281.6	2.85
Colorado.....	2,213	244.8	2.52	—	—	—	—	—	—	2,213	244.8	2.52
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	*	9,043.2	97.49	6	304.9	3.63	—	—	—	6	517.5	6.14
Nevada.....	—	—	—	2,455	268.3	2.77	3,705	222.0	2.30	6,161	240.4	2.49
New Mexico.....	1,888	241.1	2.45	2,492	281.9	2.85	—	—	—	4,380	264.3	2.68
Utah.....	—	—	—	—	—	—	541	261.6	2.67	541	261.6	2.67
Wyoming.....	5	439.9	4.59	—	—	—	—	—	—	5	439.9	4.59
<b>Pacific Contiguous</b> .....	<b>768</b>	<b>193.6</b>	<b>1.95</b>	<b>507</b>	<b>303.7</b>	<b>3.10</b>	<b>13,628</b>	<b>282.2</b>	<b>2.85</b>	<b>14,903</b>	<b>278.4</b>	<b>2.81</b>
California.....	768	193.6	1.95	507	303.7	3.10	11,487	304.2	3.07	12,763	297.6	3.00
Oregon.....	—	—	—	—	—	—	2,140	164.1	1.66	2,140	164.1	1.66
Washington.....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Pacific Noncontiguous</b> .....	<b>1,509</b>	<b>149.7</b>	<b>1.50</b>	—	—	—	—	—	—	<b>1,509</b>	<b>149.7</b>	<b>1.50</b>
Alaska.....	1,509	149.7	1.50	—	—	—	—	—	—	1,509	149.7	1.50
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—	—
<b>U. S. Total</b> .....	<b>151,318</b>	<b>285.6</b>	<b>2.93</b>	<b>58,647</b>	<b>278.0</b>	<b>2.76</b>	<b>169,896</b>	<b>280.3</b>	<b>2.87</b>	<b>379,860</b>	<b>282.1</b>	<b>2.88</b>

<sup>1</sup> 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 1999 are preliminary. •Mcf=thousand cubic feet. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report on 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, 1989 Through September 1999**  
(Million Kilowatthours)

Period	Residential	Commercial	Industrial	Other <sup>1</sup>	All Sectors
<b>1989</b> .....	<b>905,525</b>	<b>725,861</b>	<b>925,659</b>	<b>89,765</b>	<b>2,646,809</b>
<b>1990</b> .....	<b>924,019</b>	<b>751,027</b>	<b>945,522</b>	<b>91,988</b>	<b>2,712,555</b>
<b>1991</b> .....	<b>955,417</b>	<b>765,664</b>	<b>946,583</b>	<b>94,339</b>	<b>2,762,003</b>
<b>1992</b> .....	<b>935,939</b>	<b>761,271</b>	<b>972,714</b>	<b>93,442</b>	<b>2,763,365</b>
<b>1993</b> .....	<b>994,781</b>	<b>794,573</b>	<b>977,164</b>	<b>94,944</b>	<b>2,861,462</b>
<b>1994</b> .....	<b>1,008,482</b>	<b>820,269</b>	<b>1,007,981</b>	<b>97,830</b>	<b>2,934,563</b>
<b>1995</b> .....	<b>1,042,501</b>	<b>862,685</b>	<b>1,012,693</b>	<b>95,407</b>	<b>3,013,287</b>
<b>1996</b> .....	<b>1,082,491</b>	<b>887,425</b>	<b>1,030,356</b>	<b>97,539</b>	<b>3,097,810</b>
<b>1997</b>					
January.....	106,127	76,539	83,516	8,588	274,769
February.....	90,242	70,536	81,315	8,237	250,330
March.....	81,412	70,937	82,783	7,924	243,056
April.....	72,733	69,769	83,850	7,923	234,275
May.....	70,769	71,402	86,058	8,047	236,276
June.....	83,575	80,020	88,804	8,542	260,942
July.....	109,321	89,079	88,181	9,180	295,761
August.....	106,960	86,803	90,993	9,112	293,868
September.....	94,792	84,363	89,724	9,357	278,236
October.....	84,112	80,495	88,632	9,127	262,366
November.....	79,984	72,768	84,895	8,432	246,079
December.....	95,738	75,729	83,904	8,433	263,803
<b>Total</b> .....	<b>1,075,767</b>	<b>928,440</b>	<b>1,032,653</b>	<b>102,901</b>	<b>3,139,761</b>
<b>1998</b>					
January.....	101,982	74,608	82,546	8,245	267,381
February.....	86,072	69,690	82,670	7,497	245,929
March.....	85,485	72,227	84,516	7,864	250,092
April.....	74,000	71,918	83,751	7,870	237,539
May.....	77,317	77,229	88,744	8,317	251,607
June.....	98,249	85,717	89,234	8,787	281,986
July.....	121,271	93,083	88,199	8,896	311,449
August.....	120,066	94,493	92,650	9,373	316,581
September.....	106,446	90,010	88,893	9,742	295,091
October.....	86,621	81,465	87,372	8,771	264,230
November.....	76,823	75,729	86,625	8,831	248,008
December.....	92,446	77,848	86,558	8,461	265,313
<b>Total</b> .....	<b>1,126,777</b>	<b>964,016</b>	<b>1,041,756</b>	<b>102,656</b>	<b>3,235,205</b>
<b>1999</b>					
January.....	110,691	78,321	82,535	8,150	279,696
February.....	86,293	72,721	80,844	7,763	247,621
March.....	89,025	74,919	85,165	8,014	257,122
April.....	76,918	73,435	85,178	7,725	243,255
May.....	76,785	76,946	88,831	8,113	250,674
June.....	95,459	86,146	90,549	8,516	280,670
July.....	122,540	95,632	92,261	9,359	319,792
August.....	123,371	93,941	92,240	8,974	318,526
September.....	103,560	87,988	90,076	9,062	290,686
<b>Year to Date</b>					
<b>1999</b> .....	<b>884,641</b>	<b>740,048</b>	<b>787,679</b>	<b>75,676</b>	<b>2,488,043</b>
<b>1998</b> .....	<b>870,887</b>	<b>728,974</b>	<b>781,201</b>	<b>76,592</b>	<b>2,457,655</b>
<b>1997</b> .....	<b>815,932</b>	<b>699,448</b>	<b>775,224</b>	<b>76,909</b>	<b>2,367,512</b>

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

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-861 annual total. See Technical Notes for the adjustment methodology. Utilities may classify commercial and industrial consumers based on either NAICS codes or demand/or usage falling within specified limits (based on different rate schedules.) •Values for 1997 and prior years are final. •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, September 1999 and 1998**  
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other <sup>1</sup>		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
<b>New England</b> .....	<b>3,269</b>	<b>3,111</b>	<b>4,001</b>	<b>3,776</b>	<b>2,362</b>	<b>2,241</b>	<b>113</b>	<b>125</b>	<b>9,745</b>	<b>9,253</b>
Connecticut.....	887	848	981	945	512	502	31	41	2,412	2,336
Maine.....	303	288	319	301	461	421	5	5	1,087	1,014
Massachusetts.....	1,419	1,340	1,967	1,829	896	888	48	46	4,331	4,103
New Hampshire.....	274	255	309	281	225	202	12	11	820	750
Rhode Island.....	236	236	262	263	137	134	13	15	649	647
Vermont.....	150	145	162	159	130	95	3	7	446	406
<b>Middle Atlantic</b> .....	<b>9,344</b>	<b>9,498</b>	<b>10,475</b>	<b>10,808</b>	<b>7,295</b>	<b>7,179</b>	<b>1,265</b>	<b>1,251</b>	<b>28,379</b>	<b>28,736</b>
New Jersey.....	2,312	2,191	2,931	2,826	1,089	1,134	40	41	6,372	6,193
New York.....	3,715	3,760	4,237	4,670	2,063	2,053	1,116	1,108	11,131	11,591
Pennsylvania.....	3,318	3,547	3,307	3,311	4,143	3,991	109	103	10,876	10,951
<b>East North Central</b> .....	<b>12,094</b>	<b>13,130</b>	<b>12,738</b>	<b>13,571</b>	<b>18,694</b>	<b>18,703</b>	<b>1,182</b>	<b>1,470</b>	<b>44,709</b>	<b>46,874</b>
Illinois.....	2,966	3,372	3,393	4,382	3,678	3,313	657	983	10,694	12,051
Indiana.....	2,163	2,303	1,664	1,706	3,718	3,803	42	40	7,587	7,852
Michigan.....	2,344	2,466	2,949	2,905	3,167	3,101	71	69	8,532	8,541
Ohio.....	3,071	3,379	3,280	3,212	5,780	6,234	354	330	12,486	13,155
Wisconsin.....	1,550	1,608	1,452	1,358	2,351	2,255	58	54	5,410	5,275
<b>West North Central</b> .....	<b>6,666</b>	<b>7,846</b>	<b>5,416</b>	<b>5,902</b>	<b>7,024</b>	<b>7,001</b>	<b>596</b>	<b>653</b>	<b>19,702</b>	<b>21,402</b>
Iowa.....	954	1,061	742	700	1,364	1,369	123	124	3,183	3,254
Kansas.....	892	1,235	1,049	1,121	802	857	32	41	2,775	3,254
Minnesota.....	1,477	1,551	946	913	2,246	2,437	64	63	4,733	4,964
Missouri.....	2,168	2,664	1,718	2,181	1,728	1,384	84	95	5,699	6,324
Nebraska.....	689	821	547	600	560	593	232	253	2,029	2,267
North Dakota.....	218	224	206	180	152	189	32	36	608	630
South Dakota.....	267	289	206	211	173	171	29	31	675	701
<b>South Atlantic</b> .....	<b>25,532</b>	<b>26,386</b>	<b>20,509</b>	<b>20,218</b>	<b>13,821</b>	<b>14,304</b>	<b>1,895</b>	<b>1,880</b>	<b>61,757</b>	<b>62,788</b>
Delaware.....	330	343	302	312	324	349	5	5	960	1,009
District of Columbia.....	123	149	721	724	22	20	35	31	901	924
Florida.....	10,034	9,839	6,694	6,239	1,537	1,542	540	496	18,804	18,116
Georgia.....	4,023	3,890	3,022	2,939	2,913	2,920	119	115	10,077	9,864
Maryland.....	1,745	1,951	2,090	2,170	842	850	63	63	4,740	5,034
North Carolina.....	3,756	4,156	3,239	3,311	2,894	3,117	192	176	10,081	10,760
South Carolina.....	2,325	2,350	1,634	1,619	2,697	2,748	86	90	6,742	6,807
Virginia.....	2,515	2,998	2,285	2,337	1,692	1,798	847	894	7,339	8,027
West Virginia.....	681	707	524	569	899	955	7	8	2,111	2,239
<b>East South Central</b> .....	<b>9,484</b>	<b>9,849</b>	<b>4,558</b>	<b>6,232</b>	<b>11,171</b>	<b>9,979</b>	<b>508</b>	<b>515</b>	<b>25,721</b>	<b>26,576</b>
Alabama.....	2,567	2,606	1,424	1,610	3,059	3,099	46	51	7,096	7,366
Kentucky.....	1,656	1,983	1,001	1,165	2,688	2,856	293	313	5,637	6,317
Mississippi.....	1,840	1,774	975	1,050	1,412	1,237	72	73	4,298	4,133
Tennessee.....	3,421	3,487	1,158	2,452	4,012	2,725	97	79	8,689	8,743
<b>West South Central</b> .....	<b>20,360</b>	<b>19,493</b>	<b>11,897</b>	<b>11,443</b>	<b>14,315</b>	<b>14,110</b>	<b>1,998</b>	<b>2,099</b>	<b>48,570</b>	<b>47,145</b>
Arkansas.....	1,569	1,585	847	822	1,497	1,465	67	68	3,980	3,940
Louisiana.....	3,122	3,027	1,754	1,728	2,688	2,604	254	259	7,818	7,618
Oklahoma.....	2,028	2,224	1,129	1,240	1,116	1,172	186	283	4,460	4,920
Texas.....	13,641	12,658	8,166	7,652	9,014	8,871	1,492	1,490	32,313	30,671
<b>Mountain</b> .....	<b>6,273</b>	<b>6,049</b>	<b>6,450</b>	<b>6,121</b>	<b>5,140</b>	<b>5,598</b>	<b>698</b>	<b>791</b>	<b>18,561</b>	<b>18,559</b>
Arizona.....	2,491	2,513	2,021	1,938	1,002	1,023	248	316	5,762	5,791
Colorado.....	1,111	1,070	1,558	1,485	752	881	86	82	3,507	3,517
Idaho.....	456	450	591	576	628	651	35	28	1,709	1,704
Montana.....	271	265	311	279	219	502	18	27	818	1,073
Nevada.....	864	771	561	529	921	888	63	75	2,408	2,263
New Mexico.....	436	386	562	527	464	486	138	173	1,600	1,572
Utah.....	500	461	624	581	587	609	75	68	1,787	1,720
Wyoming.....	144	135	221	209	568	557	37	20	970	921
<b>Pacific Contiguous</b> .....	<b>10,185</b>	<b>10,755</b>	<b>11,498</b>	<b>11,530</b>	<b>9,857</b>	<b>9,365</b>	<b>791</b>	<b>921</b>	<b>32,332</b>	<b>32,570</b>
California.....	7,033	7,729	8,326	8,433	5,495	5,752	460	608	21,315	22,522
Oregon.....	1,146	1,135	1,246	1,229	1,482	1,074	56	31	3,929	3,469
Washington.....	2,006	1,890	1,927	1,870	2,880	2,561	276	293	7,088	6,613
<b>Pacific Noncontiguous</b> .....	<b>352</b>	<b>347</b>	<b>445</b>	<b>428</b>	<b>397</b>	<b>400</b>	<b>16</b>	<b>17</b>	<b>1,211</b>	<b>1,191</b>
Alaska.....	128	125	190	185	79	71	12	12	408	393
Hawaii.....	224	221	256	244	318	328	5	5	803	798
<b>U.S. Total</b> .....	<b>103,560</b>	<b>106,446</b>	<b>87,988</b>	<b>90,010</b>	<b>90,076</b>	<b>88,893</b>	<b>9,062</b>	<b>9,742</b>	<b>290,686</b>	<b>295,091</b>

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

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-861 annual total. See Technical Notes for the adjustment methodology. Utilities may classify commercial and industrial consumers based on either NAICS codes or demand/or usage falling within specified limits (based on different rate schedules.) •Values for 1997 and prior years are final. •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, September 1999**  
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other <sup>1</sup>	All Sectors
<b>New England</b> .....	<b>0.4</b>	<b>0.4</b>	<b>0.8</b>	<b>1.6</b>	<b>0.2</b>
Connecticut.....	.4	.1	1.2	.1	.1
Maine.....	.6	2.6	2.9	15.2	.7
Massachusetts.....	.9	.8	1.0	3.3	.5
New Hampshire.....	.9	.3	.8	2.7	.7
Rhode Island.....	.3	.1	.3	.2	.1
Vermont.....	.6	3.3	6.8	2.2	1.5
<b>Middle Atlantic</b> .....	<b>3.2</b>	<b>3.0</b>	<b>.8</b>	<b>1.8</b>	<b>.7</b>
New Jersey.....	1.5	1.1	.6	.4	1.3
New York.....	7.8	7.3	.7	2.0	1.1
Pennsylvania.....	2.1	.4	1.3	3.0	1.3
<b>East North Central</b> .....	<b>.6</b>	<b>1.1</b>	<b>2.0</b>	<b>1.4</b>	<b>.7</b>
Illinois.....	.3	.4	1.3	.3	.6
Indiana.....	1.0	3.1	3.0	2.5	1.8
Michigan.....	.3	4.0	8.3	5.7	.4
Ohio.....	1.8	1.3	3.9	4.5	2.1
Wisconsin.....	2.8	1.0	1.8	1.4	1.7
<b>West North Central</b> .....	<b>1.6</b>	<b>1.9</b>	<b>2.5</b>	<b>13.5</b>	<b>1.2</b>
Iowa.....	.3	7.1	2.1	3.5	2.6
Kansas.....	5.7	1.6	1.6	5.6	1.5
Minnesota.....	2.1	4.3	5.1	6.4	4.1
Missouri.....	4.0	4.3	7.6	8.4	1.5
Nebraska.....	2.0	.8	5.1	34.4	3.6
North Dakota.....	1.3	4.7	4.0	5.2	1.1
South Dakota.....	2.1	2.0	3.0	4.2	1.3
<b>South Atlantic</b> .....	<b>1.6</b>	<b>.6</b>	<b>.7</b>	<b>1.5</b>	<b>.9</b>
Delaware.....	.9	.9	2.7	1.0	1.4
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	.5	1.1	2.7	5.0	.5
Georgia.....	8.6	2.3	1.3	6.5	4.1
Maryland.....	1.2	.9	2.0	4.0	.7
North Carolina.....	5.4	1.8	1.6	1.4	2.9
South Carolina.....	2.9	1.0	2.0	1.0	2.1
Virginia.....	.4	.2	.8	.4	.1
West Virginia.....	2.1	.1	.3	.6	.2
<b>East South Central</b> .....	<b>1.8</b>	<b>1.7</b>	<b>2.4</b>	<b>3.9</b>	<b>1.8</b>
Alabama.....	2.8	4.5	1.9	1.6	2.2
Kentucky.....	5.5	2.0	9.5	.4	6.8
Mississippi.....	3.8	2.6	1.3	5.4	3.4
Tennessee.....	2.9	2.7	1.4	19.8	1.4
<b>West South Central</b> .....	<b>1.2</b>	<b>.8</b>	<b>1.6</b>	<b>2.7</b>	<b>.8</b>
Arkansas.....	2.7	2.4	1.1	7.2	2.0
Louisiana.....	2.4	1.4	3.9	1.4	3.4
Oklahoma.....	6.0	7.8	2.0	11.2	5.8
Texas.....	1.3	.3	2.3	3.3	.5
<b>Mountain</b> .....	<b>.7</b>	<b>1.2</b>	<b>1.5</b>	<b>3.8</b>	<b>.9</b>
Arizona.....	.7	3.3	3.4	6.9	2.4
Colorado.....	1.5	1.2	3.5	7.1	.8
Idaho.....	2.5	1.8	.9	8.0	2.0
Montana.....	1.3	3.7	24.0	2.2	4.0
Nevada.....	3.9	2.4	1.4	3.6	2.4
New Mexico.....	3.4	3.8	6.3	6.6	2.6
Utah.....	1.3	1.8	.2	4.9	.5
Wyoming.....	4.8	3.8	1.5	44.6	2.5
<b>Pacific Contiguous</b> .....	<b>.8</b>	<b>1.3</b>	<b>1.6</b>	<b>3.3</b>	<b>.7</b>
California.....	.8	1.6	1.8	4.9	.9
Oregon.....	2.2	2.1	3.5	12.8	1.7
Washington.....	2.4	1.8	3.9	4.1	1.6
<b>Pacific Noncontiguous</b> .....	<b>.2</b>	<b>.2</b>	<b>2.6</b>	<b>8.9</b>	<b>.8</b>
Alaska.....	.5	.5	12.8	12.6	2.5
Hawaii.....	.0	.0	.5	.2	.2
<b>U.S. Average</b> .....	<b>.6</b>	<b>.5</b>	<b>.6</b>	<b>1.3</b>	<b>.3</b>

<sup>1</sup> 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 1999 and 1998**  
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other <sup>1</sup>		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
<b>New England</b> .....	<b>30,996</b>	<b>28,989</b>	<b>34,860</b>	<b>33,255</b>	<b>19,734</b>	<b>19,473</b>	<b>1,017</b>	<b>1,080</b>	<b>86,607</b>	<b>82,797</b>
Connecticut.....	8,860	8,198	8,961	8,812	4,492	4,395	274	331	22,587	21,737
Maine.....	2,786	2,692	2,625	2,498	3,520	3,454	42	47	8,972	8,692
Massachusetts.....	13,142	12,279	17,004	16,115	7,631	7,632	433	420	38,210	36,445
New Hampshire.....	2,703	2,531	2,673	2,504	1,898	1,790	110	99	7,385	6,925
Rhode Island.....	2,031	1,850	2,152	2,004	1,077	1,056	129	130	5,388	5,041
Vermont.....	1,475	1,441	1,446	1,324	1,115	1,146	29	53	4,065	3,964
<b>Middle Atlantic</b> .....	<b>85,862</b>	<b>81,292</b>	<b>89,802</b>	<b>91,807</b>	<b>65,104</b>	<b>64,277</b>	<b>11,122</b>	<b>10,865</b>	<b>251,890</b>	<b>248,241</b>
New Jersey.....	19,387	18,224	24,478	23,733	10,068	10,189	364	359	54,297	52,504
New York.....	32,174	30,679	36,332	40,795	18,899	18,733	9,752	9,597	97,156	99,803
Pennsylvania.....	34,301	32,379	28,993	27,283	36,137	35,350	1,007	909	100,437	95,921
<b>East North Central</b> .....	<b>127,884</b>	<b>122,961</b>	<b>115,048</b>	<b>112,230</b>	<b>169,450</b>	<b>166,252</b>	<b>11,348</b>	<b>10,868</b>	<b>423,730</b>	<b>412,311</b>
Illinois.....	30,875	30,368	30,692	30,260	33,806	32,340	6,617	6,359	101,990	99,327
Indiana.....	22,440	21,150	15,188	14,686	34,966	33,721	391	373	72,986	69,930
Michigan.....	23,723	22,877	26,579	25,855	27,130	26,893	606	617	78,038	76,243
Ohio.....	36,008	34,247	29,694	29,073	53,531	53,786	3,207	2,964	122,440	120,069
Wisconsin.....	14,837	14,321	12,894	12,353	20,017	19,497	527	538	48,275	46,708
<b>West North Central</b> .....	<b>65,223</b>	<b>65,538</b>	<b>50,517</b>	<b>49,935</b>	<b>58,813</b>	<b>60,413</b>	<b>4,277</b>	<b>4,473</b>	<b>178,829</b>	<b>180,359</b>
Iowa.....	9,191	9,054	6,098	5,934	11,804	11,966	1,024	1,018	28,117	27,972
Kansas.....	9,150	9,531	9,129	9,211	7,239	7,329	284	332	25,801	26,403
Minnesota.....	13,861	13,143	8,353	7,963	19,967	21,028	524	522	42,706	42,655
Missouri.....	21,730	22,508	18,119	18,304	11,845	11,927	762	765	52,456	53,504
Nebraska.....	6,291	6,386	5,099	5,032	5,175	5,245	1,118	1,195	17,682	17,858
North Dakota.....	2,435	2,399	1,959	1,776	1,350	1,520	320	336	6,064	6,031
South Dakota.....	2,565	2,522	1,759	1,735	1,434	1,391	244	293	6,002	5,940
<b>South Atlantic</b> .....	<b>213,980</b>	<b>213,324</b>	<b>170,535</b>	<b>164,991</b>	<b>121,459</b>	<b>124,022</b>	<b>16,165</b>	<b>15,753</b>	<b>522,139</b>	<b>518,090</b>
Delaware.....	2,807	2,612	2,558	2,440	2,832	2,846	40	39	8,237	7,937
District of Columbia.....	1,294	1,241	6,276	6,218	185	196	285	280	8,040	7,935
Florida.....	71,747	72,714	52,570	49,981	12,827	13,492	4,378	4,195	141,523	140,382
Georgia.....	32,569	33,081	25,669	24,875	25,588	26,030	1,011	1,006	84,837	84,992
Maryland.....	18,242	17,246	19,132	18,551	7,512	7,813	554	576	45,440	44,186
North Carolina.....	34,168	33,952	26,274	25,619	25,858	26,553	1,609	1,575	87,908	87,699
South Carolina.....	18,507	18,875	12,765	12,579	23,601	23,741	671	704	55,543	55,900
Virginia.....	27,415	26,779	20,451	20,050	14,837	15,057	7,551	7,310	70,253	69,196
West Virginia.....	7,231	6,844	4,840	4,687	8,220	8,288	67	66	20,358	19,885
<b>East South Central</b> .....	<b>79,724</b>	<b>79,347</b>	<b>38,114</b>	<b>46,533</b>	<b>100,872</b>	<b>91,002</b>	<b>4,308</b>	<b>4,202</b>	<b>223,018</b>	<b>221,085</b>
Alabama.....	21,558	21,872	11,869	12,854	27,221	25,934	450	463	61,097	61,123
Kentucky.....	17,500	16,766	9,206	9,494	28,318	27,944	2,492	2,437	57,516	56,642
Mississippi.....	12,556	12,850	7,382	7,872	12,248	11,391	539	542	32,725	32,656
Tennessee.....	28,111	27,871	9,658	16,252	33,086	25,462	827	760	71,680	70,345
<b>West South Central</b> .....	<b>130,837</b>	<b>133,862</b>	<b>89,580</b>	<b>87,161</b>	<b>119,042</b>	<b>121,586</b>	<b>14,783</b>	<b>15,400</b>	<b>354,243</b>	<b>358,009</b>
Arkansas.....	11,098	11,396	6,383	6,239	11,981	11,935	511	542	29,973	30,112
Louisiana.....	20,825	20,780	13,428	13,021	23,277	23,161	2,069	2,068	59,599	59,030
Oklahoma.....	14,705	15,762	9,569	9,597	9,566	9,746	2,059	2,119	35,900	37,223
Texas.....	84,209	85,930	60,200	58,306	74,218	76,749	10,144	10,672	228,771	231,657
<b>Mountain</b> .....	<b>51,725</b>	<b>49,847</b>	<b>52,269</b>	<b>48,899</b>	<b>47,398</b>	<b>51,328</b>	<b>6,094</b>	<b>6,110</b>	<b>157,486</b>	<b>156,185</b>
Arizona.....	17,587	17,164	15,309	14,127	8,848	9,522	2,096	2,238	43,840	43,051
Colorado.....	10,001	9,553	12,990	12,024	6,998	7,416	805	719	30,793	29,712
Idaho.....	4,953	4,746	5,086	4,753	6,344	6,381	270	225	16,653	16,105
Montana.....	2,728	2,707	2,477	2,482	1,854	4,794	144	226	7,203	10,210
Nevada.....	6,639	6,346	4,560	4,256	8,105	7,797	652	664	19,955	19,063
New Mexico.....	3,569	3,529	4,403	4,340	4,443	4,665	1,174	1,251	13,588	13,785
Utah.....	4,655	4,315	5,482	5,033	5,546	5,566	623	574	16,306	15,489
Wyoming.....	1,594	1,498	1,963	1,892	5,261	5,197	331	208	9,149	8,795
<b>Pacific Contiguous</b> .....	<b>95,052</b>	<b>92,543</b>	<b>95,404</b>	<b>90,717</b>	<b>82,331</b>	<b>79,503</b>	<b>6,403</b>	<b>7,649</b>	<b>279,191</b>	<b>270,412</b>
California.....	57,035	56,664	67,504	63,643	45,146	43,793	3,244	4,616	172,929	168,716
Oregon.....	13,240	12,643	10,652	10,468	12,182	10,433	502	380	36,576	33,923
Washington.....	24,777	23,235	17,248	16,609	25,003	25,265	2,658	2,684	69,686	67,793
<b>Pacific Noncontiguous</b> .....	<b>3,358</b>	<b>3,248</b>	<b>3,919</b>	<b>3,767</b>	<b>3,475</b>	<b>3,450</b>	<b>159</b>	<b>178</b>	<b>10,911</b>	<b>10,643</b>
Alaska.....	1,356	1,283	1,774	1,702	682	630	116	135	3,929	3,750
Hawaii.....	2,002	1,965	2,144	2,065	2,793	2,820	42	42	6,982	6,892
<b>U.S. Total</b> .....	<b>884,641</b>	<b>870,887</b>	<b>740,048</b>	<b>728,974</b>	<b>787,679</b>	<b>781,201</b>	<b>75,676</b>	<b>76,592</b>	<b>2,488,043</b>	<b>2,457,655</b>

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

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-861 annual total. See Technical Notes for the adjustment methodology. Utilities may classify commercial and industrial consumers based on either NAICS codes or demand/or usage falling within specified limits (based on different rate schedules.) •Values for 1997 and prior years are final. •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, 1989 Through September 1999**  
(Million Dollars)

Period	Residential	Commercial	Industrial	Other <sup>1</sup>	All Sectors
<b>1989</b> .....	<b>69,240</b>	<b>52,228</b>	<b>43,719</b>	<b>5,609</b>	<b>170,797</b>
<b>1990</b> .....	<b>72,378</b>	<b>55,117</b>	<b>44,857</b>	<b>5,891</b>	<b>178,243</b>
<b>1991</b> .....	<b>76,828</b>	<b>57,655</b>	<b>45,737</b>	<b>6,138</b>	<b>186,359</b>
<b>1992</b> .....	<b>76,848</b>	<b>58,343</b>	<b>46,993</b>	<b>6,296</b>	<b>188,480</b>
<b>1993</b> .....	<b>82,814</b>	<b>61,521</b>	<b>47,357</b>	<b>6,528</b>	<b>198,220</b>
<b>1994</b> .....	<b>84,552</b>	<b>63,396</b>	<b>48,069</b>	<b>6,689</b>	<b>202,706</b>
<b>1995</b> .....	<b>87,610</b>	<b>66,365</b>	<b>47,175</b>	<b>6,567</b>	<b>207,717</b>
<b>1996</b> .....	<b>90,501</b>	<b>67,827</b>	<b>47,385</b>	<b>6,741</b>	<b>212,455</b>
<b>1997</b>					
January.....	8,350	5,561	3,682	584	18,176
February.....	7,201	5,208	3,584	554	16,547
March.....	6,709	5,281	3,650	556	16,195
April.....	6,094	5,161	3,629	544	15,429
May.....	6,123	5,412	3,780	563	15,878
June.....	7,449	6,309	4,096	611	18,466
July.....	9,556	7,005	4,251	626	21,438
August.....	9,409	6,864	4,334	645	21,251
September.....	8,292	6,627	4,243	657	19,819
October.....	7,223	6,165	4,085	631	18,104
November.....	6,597	5,408	3,777	572	16,355
December.....	7,689	5,481	3,661	567	17,399
<b>Total</b> .....	<b>90,694</b>	<b>70,482</b>	<b>46,772</b>	<b>7,110</b>	<b>215,059</b>
<b>1998</b>					
January.....	8,042	5,399	3,622	539	17,601
February.....	6,876	5,090	3,580	510	16,056
March.....	6,858	5,270	3,681	542	16,351
April.....	6,090	5,254	3,602	526	15,473
May.....	6,561	5,755	3,914	556	16,786
June.....	8,378	6,523	4,146	600	19,647
July.....	10,410	7,159	4,280	608	22,456
August.....	10,288	7,250	4,427	627	22,593
September.....	8,976	6,796	4,104	639	20,515
October.....	7,146	6,064	3,864	593	17,667
November.....	6,180	5,384	3,745	540	15,848
December.....	7,322	5,535	3,718	566	17,142
<b>Total</b> .....	<b>93,128</b>	<b>71,479</b>	<b>46,682</b>	<b>6,846</b>	<b>218,135</b>
<b>1999</b>					
January.....	8,406	5,434	3,528	543	17,910
February.....	6,849	5,184	3,497	513	16,042
March.....	7,031	5,314	3,571	538	16,454
April.....	6,243	5,169	3,625	519	15,556
May.....	6,360	5,498	3,819	551	16,227
June.....	8,037	6,320	4,092	581	19,030
July.....	10,421	7,157	4,414	640	22,633
August.....	10,391	6,972	4,481	608	22,451
September.....	8,669	6,489	4,108	614	19,879
<b>Year to Date</b>					
<b>1999</b> .....	<b>72,406</b>	<b>53,536</b>	<b>35,135</b>	<b>5,106</b>	<b>166,182</b>
<b>1998</b> .....	<b>72,480</b>	<b>54,496</b>	<b>35,356</b>	<b>5,147</b>	<b>167,479</b>
<b>1997</b> .....	<b>69,185</b>	<b>53,427</b>	<b>35,249</b>	<b>5,340</b>	<b>163,200</b>

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

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-861 annual total. See Technical Notes for the adjustment methodology. Utilities may classify commercial and industrial consumers based on either NAICS codes or demand/or usage falling within specified limits (based on different rate schedules.) •Values for 1997 and prior years are final. •Values for 1996 in the commercial and industrial sectors for Maryland, the South Atlantic Census Division, and the U.S. Total reflect an electric utility's reclassification for this information by Standard Industrial Classification Code (SIC). •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

**Table 49. Estimated Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, September 1999 and 1998**  
(Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Other <sup>1</sup>		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
<b>New England</b> .....	<b>359</b>	<b>350</b>	<b>381</b>	<b>378</b>	<b>169</b>	<b>168</b>	<b>15</b>	<b>16</b>	<b>923</b>	<b>912</b>
Connecticut.....	99	100	93	95	37	37	4	5	233	237
Maine.....	40	38	31	29	27	25	1	1	98	93
Massachusetts.....	143	137	187	186	68	72	6	6	405	401
New Hampshire.....	38	36	35	32	20	19	1	1	94	88
Rhode Island.....	22	23	20	22	8	9	2	2	51	56
Vermont.....	17	16	16	14	9	6	*	1	42	36
<b>Middle Atlantic</b> .....	<b>1,100</b>	<b>1,154</b>	<b>1,015</b>	<b>1,149</b>	<b>353</b>	<b>422</b>	<b>127</b>	<b>125</b>	<b>2,596</b>	<b>2,850</b>
New Jersey.....	256	262	276	287	86	89	7	7	625	645
New York.....	536	515	526	583	107	104	109	105	1,277	1,307
Pennsylvania.....	308	377	213	279	160	229	11	13	693	897
<b>East North Central</b> .....	<b>1,053</b>	<b>1,113</b>	<b>936</b>	<b>966</b>	<b>828</b>	<b>818</b>	<b>85</b>	<b>96</b>	<b>2,902</b>	<b>2,993</b>
Illinois.....	277	306	257	320	173	165	45	62	752	852
Indiana.....	165	161	107	102	149	149	4	4	425	416
Michigan.....	211	218	232	222	157	153	8	8	608	601
Ohio.....	287	312	254	242	257	264	22	20	820	838
Wisconsin.....	113	114	87	79	91	87	4	4	296	285
<b>West North Central</b> .....	<b>513</b>	<b>601</b>	<b>347</b>	<b>379</b>	<b>310</b>	<b>316</b>	<b>34</b>	<b>38</b>	<b>1,203</b>	<b>1,335</b>
Iowa.....	79	91	51	50	60	59	8	8	198	208
Kansas.....	73	100	66	72	38	38	3	3	180	213
Minnesota.....	113	118	60	60	102	114	5	5	280	297
Missouri.....	161	194	111	137	74	66	5	7	352	403
Nebraska.....	51	60	32	35	20	22	10	14	113	131
North Dakota.....	16	16	13	12	7	8	1	2	37	38
South Dakota.....	20	21	14	14	8	8	1	1	43	45
<b>South Atlantic</b> .....	<b>2,005</b>	<b>2,098</b>	<b>1,310</b>	<b>1,328</b>	<b>605</b>	<b>624</b>	<b>108</b>	<b>113</b>	<b>4,029</b>	<b>4,164</b>
Delaware.....	32	33	23	23	15	17	1	1	71	74
District of Columbia.....	10	14	61	63	1	1	2	2	74	79
Florida.....	767	772	405	393	75	74	36	33	1,284	1,272
Georgia.....	307	310	186	207	125	131	4	11	622	659
Maryland.....	161	178	167	166	38	39	6	6	373	388
North Carolina.....	313	342	212	217	146	156	13	12	685	728
South Carolina.....	175	177	103	102	105	108	5	5	388	392
Virginia.....	195	226	124	126	65	62	41	42	425	457
West Virginia.....	44	46	29	31	33	36	1	1	107	114
<b>East South Central</b> .....	<b>619</b>	<b>647</b>	<b>281</b>	<b>391</b>	<b>458</b>	<b>381</b>	<b>30</b>	<b>31</b>	<b>1,388</b>	<b>1,450</b>
Alabama.....	191	188	95	107	122	126	4	4	412	424
Kentucky.....	95	112	51	62	94	87	13	15	253	276
Mississippi.....	119	129	57	71	56	54	5	6	236	260
Tennessee.....	215	218	78	152	185	113	8	7	486	490
<b>West South Central</b> .....	<b>1,581</b>	<b>1,490</b>	<b>742</b>	<b>715</b>	<b>617</b>	<b>587</b>	<b>126</b>	<b>131</b>	<b>3,066</b>	<b>2,924</b>
Arkansas.....	122	123	50	51	63	66	5	4	240	244
Louisiana.....	251	226	127	115	131	115	18	17	527	473
Oklahoma.....	142	150	70	78	43	44	11	16	267	289
Texas.....	1,065	991	495	470	380	363	92	93	2,032	1,918
<b>Mountain</b> .....	<b>482</b>	<b>478</b>	<b>406</b>	<b>405</b>	<b>219</b>	<b>233</b>	<b>38</b>	<b>41</b>	<b>1,145</b>	<b>1,156</b>
Arizona.....	221	229	153	163	51	48	12	14	437	455
Colorado.....	82	79	87	83	34	39	8	7	210	207
Idaho.....	25	25	24	24	17	20	2	1	67	70
Montana.....	18	17	18	16	5	16	1	2	42	50
Nevada.....	60	52	37	34	52	49	3	3	152	138
New Mexico.....	37	35	43	41	21	22	8	10	109	108
Utah.....	30	32	33	34	20	22	3	3	86	91
Wyoming.....	10	9	12	11	19	18	1	1	41	39
<b>Pacific Contiguous</b> .....	<b>909</b>	<b>1,002</b>	<b>1,020</b>	<b>1,038</b>	<b>512</b>	<b>521</b>	<b>48</b>	<b>45</b>	<b>2,489</b>	<b>2,607</b>
California.....	738	840	867	890	378	400	35	32	2,019	2,162
Oregon.....	69	69	62	62	55	43	3	2	189	175
Washington.....	101	94	91	87	79	79	10	11	281	271
<b>Pacific Noncontiguous</b> .....	<b>47</b>	<b>44</b>	<b>50</b>	<b>46</b>	<b>38</b>	<b>35</b>	<b>2</b>	<b>2</b>	<b>138</b>	<b>128</b>
Alaska.....	15	14	17	18	6	5	2	2	40	39
Hawaii.....	33	30	33	29	32	30	1	1	98	89
<b>U.S. Total</b> .....	<b>8,669</b>	<b>8,976</b>	<b>6,489</b>	<b>6,796</b>	<b>4,108</b>	<b>4,104</b>	<b>614</b>	<b>639</b>	<b>19,879</b>	<b>20,515</b>

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

\* Less than 0.5.

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-861 annual total. See Technical Notes for the adjustment methodology. Utilities may classify commercial and industrial consumers based on either NAICS codes or demand/or usage falling within specified limits (based on different rate schedules.) •Values for 1997 and prior years are final. •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

**Table 50. Estimated Coefficients of Variation for Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, September 1999**  
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other <sup>1</sup>	All Sectors
<b>New England</b>	<b>1.1</b>	<b>2.4</b>	<b>3.3</b>	<b>1.4</b>	<b>2.1</b>
Connecticut	.9	.1	.9	1.1	.2
Maine	.2	2.8	2.6	7.3	.1
Massachusetts	2.7	4.9	7.8	3.0	4.8
New Hampshire	1.0	1.9	1.0	1.0	.5
Rhode Island	.9	.4	1.0	.5	.6
Vermont	.8	3.8	12.2	6.7	1.9
<b>Middle Atlantic</b>	<b>3.9</b>	<b>.6</b>	<b>5.0</b>	<b>2.1</b>	<b>1.7</b>
New Jersey	1.1	.8	.8	.6	1.0
New York	7.9	.5	.9	2.5	2.5
Pennsylvania	3.0	2.1	10.9	.3	4.4
<b>East North Central</b>	<b>.5</b>	<b>1.3</b>	<b>2.1</b>	<b>1.7</b>	<b>.8</b>
Illinois	1.0	2.2	3.7	.9	2.0
Indiana	1.6	3.3	3.3	4.6	2.6
Michigan	.1	4.5	9.1	4.2	1.4
Ohio	1.3	1.1	1.8	5.9	.9
Wisconsin	1.8	1.0	1.6	1.9	1.1
<b>West North Central</b>	<b>1.6</b>	<b>1.6</b>	<b>2.0</b>	<b>6.9</b>	<b>1.1</b>
Iowa	5.5	7.4	2.4	4.2	4.3
Kansas	5.8	2.3	1.5	4.5	1.6
Minnesota	1.2	2.4	4.1	3.2	2.5
Missouri	3.2	3.0	5.6	15.9	1.8
Nebraska	1.6	1.0	4.2	20.5	1.8
North Dakota	1.8	2.6	4.3	5.7	1.5
South Dakota	1.9	1.8	2.8	5.0	1.2
<b>South Atlantic</b>	<b>1.9</b>	<b>1.0</b>	<b>1.1</b>	<b>3.0</b>	<b>1.5</b>
Delaware	.4	1.2	2.3	1.0	1.0
District of Columbia	.0	.0	.0	.0	.0
Florida	.8	1.5	2.4	5.0	1.0
Georgia	10.8	4.5	.3	65.1	7.4
Maryland	2.4	.3	3.3	2.1	1.2
North Carolina	5.0	3.8	4.0	3.6	4.6
South Carolina	4.8	1.9	1.6	1.4	3.0
Virginia	.2	.6	1.8	.8	.6
West Virginia	2.2	.1	.2	2.8	.6
<b>East South Central</b>	<b>1.4</b>	<b>2.0</b>	<b>1.7</b>	<b>3.5</b>	<b>1.2</b>
Alabama	1.5	5.0	3.4	2.2	2.3
Kentucky	5.7	2.8	5.4	1.0	3.6
Mississippi	2.2	3.8	3.5	4.1	2.3
Tennessee	2.7	2.1	2.1	12.4	1.9
<b>West South Central</b>	<b>2.9</b>	<b>2.4</b>	<b>2.5</b>	<b>1.6</b>	<b>2.3</b>
Arkansas	1.1	3.2	4.1	14.1	2.7
Louisiana	2.2	.6	3.7	8.6	2.1
Oklahoma	5.4	7.8	.2	7.0	5.1
Texas	4.3	3.4	3.9	.8	3.4
<b>Mountain</b>	<b>.7</b>	<b>1.3</b>	<b>1.7</b>	<b>3.8</b>	<b>1.0</b>
Arizona	.7	2.7	5.0	9.4	2.0
Colorado	.6	2.6	1.9	4.7	1.6
Idaho	1.0	1.5	2.1	6.8	1.5
Montana	2.0	3.4	40.6	2.7	3.2
Nevada	3.9	2.7	2.3	6.3	3.0
New Mexico	3.8	4.0	4.9	8.5	2.9
Utah	3.3	.9	.5	6.3	1.6
Wyoming	5.1	4.0	1.0	26.0	2.6
<b>Pacific Contiguous</b>	<b>.8</b>	<b>.8</b>	<b>2.6</b>	<b>3.0</b>	<b>.4</b>
California	.9	.9	3.3	3.9	.4
Oregon	.8	1.3	4.0	6.1	.9
Washington	2.0	1.6	4.7	4.7	1.9
<b>Pacific Noncontiguous</b>	<b>.7</b>	<b>.8</b>	<b>2.6</b>	<b>2.4</b>	<b>1.0</b>
Alaska	.6	1.4	13.5	3.1	1.8
Hawaii	.9	1.0	1.9	1.5	1.3
<b>U.S. Average</b>	<b>.9</b>	<b>.5</b>	<b>.8</b>	<b>1.0</b>	<b>.5</b>

<sup>1</sup> 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 1999 and 1998**  
(Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Other <sup>1</sup>		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
<b>New England</b> .....	<b>3,478</b>	<b>3,356</b>	<b>3,298</b>	<b>3,299</b>	<b>1,458</b>	<b>1,533</b>	<b>141</b>	<b>149</b>	<b>8,375</b>	<b>8,337</b>
Connecticut.....	1,018	983	870	885	330	338	39	42	2,257	2,249
Maine.....	365	350	275	259	226	226	11	11	877	847
Massachusetts.....	1,329	1,304	1,512	1,542	575	636	59	62	3,475	3,544
New Hampshire.....	375	347	304	290	173	168	13	13	866	818
Rhode Island.....	212	207	185	191	74	82	16	15	487	495
Vermont.....	178	165	151	132	79	82	4	5	413	384
<b>Middle Atlantic</b> .....	<b>9,795</b>	<b>9,604</b>	<b>8,564</b>	<b>9,498</b>	<b>3,272</b>	<b>3,763</b>	<b>1,046</b>	<b>1,040</b>	<b>22,678</b>	<b>23,905</b>
New Jersey.....	2,267	2,104	2,433	2,391	798	807	68	67	5,565	5,370
New York.....	4,470	4,241	4,227	4,844	929	950	876	859	10,501	10,894
Pennsylvania.....	3,059	3,255	1,904	2,263	1,545	2,006	102	114	6,611	7,638
<b>East North Central</b> .....	<b>10,612</b>	<b>10,628</b>	<b>8,391</b>	<b>8,279</b>	<b>7,600</b>	<b>7,500</b>	<b>796</b>	<b>774</b>	<b>27,398</b>	<b>27,181</b>
Illinois.....	2,692	3,125	2,315	2,415	1,680	1,717	446	444	7,134	7,702
Indiana.....	1,583	1,482	934	894	1,394	1,337	40	38	3,951	3,750
Michigan.....	2,111	1,997	2,103	2,026	1,387	1,361	73	71	5,674	5,455
Ohio.....	3,143	3,004	2,277	2,220	2,353	2,336	196	182	7,969	7,741
Wisconsin.....	1,082	1,023	762	724	786	750	40	39	2,670	2,535
<b>West North Central</b> .....	<b>4,852</b>	<b>4,887</b>	<b>3,144</b>	<b>3,139</b>	<b>2,601</b>	<b>2,649</b>	<b>275</b>	<b>279</b>	<b>10,871</b>	<b>10,954</b>
Iowa.....	747	773	404	404	476	488	66	63	1,693	1,728
Kansas.....	701	737	569	588	327	332	26	28	1,624	1,685
Minnesota.....	1,045	976	532	506	941	956	42	41	2,560	2,479
Missouri.....	1,590	1,640	1,122	1,139	544	550	48	49	3,304	3,378
Nebraska.....	418	423	282	280	184	192	67	72	951	968
North Dakota.....	159	157	117	109	62	67	14	15	353	347
South Dakota.....	191	183	118	114	66	62	11	12	387	372
<b>South Atlantic</b> .....	<b>16,670</b>	<b>16,789</b>	<b>10,861</b>	<b>10,725</b>	<b>5,202</b>	<b>5,291</b>	<b>971</b>	<b>970</b>	<b>33,705</b>	<b>33,775</b>
Delaware.....	254	241	181	176	130	134	5	5	570	556
District of Columbia.....	107	103	487	483	9	9	19	19	622	614
Florida.....	5,588	5,738	3,299	3,197	645	662	293	282	9,825	9,880
Georgia.....	2,471	2,604	1,653	1,749	1,098	1,135	72	91	5,295	5,578
Maryland.....	1,573	1,493	1,358	1,309	334	331	52	53	3,318	3,186
North Carolina.....	2,758	2,725	1,668	1,631	1,211	1,248	110	108	5,747	5,712
South Carolina.....	1,398	1,419	809	791	883	884	40	42	3,131	3,136
Virginia.....	2,067	2,038	1,137	1,132	579	573	372	365	4,156	4,108
West Virginia.....	452	429	268	259	313	314	6	6	1,040	1,009
<b>East South Central</b> .....	<b>5,090</b>	<b>5,130</b>	<b>2,321</b>	<b>2,903</b>	<b>4,039</b>	<b>3,470</b>	<b>257</b>	<b>260</b>	<b>11,707</b>	<b>11,763</b>
Alabama.....	1,527	1,515	787	843	1,077	1,029	35	34	3,426	3,420
Kentucky.....	980	951	475	504	928	850	114	114	2,496	2,420
Mississippi.....	816	912	441	529	492	482	39	47	1,788	1,970
Tennessee.....	1,768	1,753	618	1,019	1,542	1,108	69	66	3,997	3,946
<b>West South Central</b> .....	<b>9,629</b>	<b>9,971</b>	<b>5,660</b>	<b>5,597</b>	<b>4,854</b>	<b>4,879</b>	<b>907</b>	<b>955</b>	<b>21,050</b>	<b>21,402</b>
Arkansas.....	815	855	362	369	480	499	33	34	1,690	1,757
Louisiana.....	1,480	1,478	862	857	965	964	125	135	3,431	3,433
Oklahoma.....	976	1,042	544	552	350	359	101	104	1,970	2,057
Texas.....	6,358	6,595	3,892	3,819	3,060	3,059	648	682	13,959	14,155
<b>Mountain</b> .....	<b>3,865</b>	<b>3,784</b>	<b>3,265</b>	<b>3,142</b>	<b>2,015</b>	<b>2,090</b>	<b>319</b>	<b>323</b>	<b>9,464</b>	<b>9,338</b>
Arizona.....	1,505	1,500	1,134	1,110	481	484	97	103	3,217	3,198
Colorado.....	737	712	719	680	305	323	65	59	1,827	1,774
Idaho.....	263	249	212	204	177	177	13	10	665	641
Montana.....	185	177	153	145	90	155	13	15	442	491
Nevada.....	468	439	305	278	397	367	27	27	1,198	1,110
New Mexico.....	315	316	347	340	201	212	66	75	929	943
Utah.....	290	296	288	286	187	196	26	26	792	804
Wyoming.....	102	95	105	100	176	176	12	9	395	380
<b>Pacific Contiguous</b> .....	<b>7,988</b>	<b>7,909</b>	<b>7,604</b>	<b>7,510</b>	<b>3,783</b>	<b>3,860</b>	<b>371</b>	<b>375</b>	<b>19,746</b>	<b>19,653</b>
California.....	5,967	6,000	6,250	6,199	2,780	2,888	250	258	15,248	15,345
Oregon.....	774	749	532	526	393	343	27	22	1,725	1,640
Washington.....	1,247	1,164	823	785	609	633	94	94	2,773	2,676
<b>Pacific Noncontiguous</b> .....	<b>427</b>	<b>421</b>	<b>428</b>	<b>417</b>	<b>311</b>	<b>313</b>	<b>23</b>	<b>25</b>	<b>1,189</b>	<b>1,175</b>
Alaska.....	152	148	163	161	50	46	18	19	382	374
Hawaii.....	275	273	265	256	261	267	5	5	807	801
<b>U.S. Total</b> .....	<b>72,406</b>	<b>72,480</b>	<b>53,536</b>	<b>54,496</b>	<b>35,135</b>	<b>35,356</b>	<b>5,106</b>	<b>5,147</b>	<b>166,182</b>	<b>167,479</b>

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

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-861 annual total. See Technical Notes for the adjustment methodology. Utilities may classify commercial and industrial consumers based on either NAICS codes or demand/or usage falling within specified limits (based on different rate schedules.) •Values for 1997 and prior years are final. •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,  
1989 Through September 1999**  
(Cents)

Period	Residential	Commercial	Industrial	Other <sup>1</sup>	All Sectors
<b>1989</b> .....	<b>7.65</b>	<b>7.20</b>	<b>4.72</b>	<b>6.25</b>	<b>6.45</b>
<b>1990</b> .....	<b>7.83</b>	<b>7.34</b>	<b>4.74</b>	<b>6.40</b>	<b>6.57</b>
<b>1991</b> .....	<b>8.04</b>	<b>7.53</b>	<b>4.83</b>	<b>6.51</b>	<b>6.75</b>
<b>1992</b> .....	<b>8.21</b>	<b>7.66</b>	<b>4.83</b>	<b>6.74</b>	<b>6.82</b>
<b>1993</b> .....	<b>8.32</b>	<b>7.74</b>	<b>4.85</b>	<b>6.88</b>	<b>6.93</b>
<b>1994</b> .....	<b>8.38</b>	<b>7.73</b>	<b>4.77</b>	<b>6.84</b>	<b>6.91</b>
<b>1995</b> .....	<b>8.40</b>	<b>7.69</b>	<b>4.66</b>	<b>6.88</b>	<b>6.89</b>
<b>1996</b> .....	<b>8.36</b>	<b>7.64</b>	<b>4.60</b>	<b>6.91</b>	<b>6.86</b>
<b>1997</b>					
January.....	7.87	7.27	4.41	6.79	6.62
February.....	7.98	7.38	4.41	6.73	6.61
March.....	8.24	7.44	4.41	7.01	6.66
April.....	8.38	7.40	4.33	6.87	6.59
May.....	8.65	7.58	4.39	7.00	6.72
June.....	8.91	7.88	4.61	7.16	7.08
July.....	8.74	7.86	4.82	6.82	7.25
August.....	8.80	7.91	4.76	7.07	7.23
September.....	8.75	7.86	4.73	7.02	7.12
October.....	8.59	7.66	4.61	6.91	6.90
November.....	8.25	7.43	4.45	6.79	6.65
December.....	8.03	7.24	4.36	6.73	6.60
<b>Average</b> .....	<b>8.43</b>	<b>7.59</b>	<b>4.53</b>	<b>6.91</b>	<b>6.85</b>
<b>1998</b>					
January.....	7.89	7.24	4.39	6.53	6.58
February.....	7.99	7.30	4.33	6.80	6.53
March.....	8.02	7.30	4.36	6.89	6.54
April.....	8.23	7.31	4.30	6.69	6.51
May.....	8.49	7.45	4.41	6.69	6.67
June.....	8.53	7.61	4.65	6.83	6.97
July.....	8.58	7.69	4.85	6.84	7.21
August.....	8.57	7.67	4.78	6.69	7.14
September.....	8.43	7.55	4.62	6.56	6.95
October.....	8.25	7.44	4.42	6.76	6.69
November.....	8.04	7.11	4.32	6.11	6.39
December.....	7.92	7.11	4.30	6.69	6.46
<b>1999</b>					
January.....	7.59	6.94	4.27	6.66	6.40
February.....	7.94	7.13	4.33	6.60	6.48
March.....	7.90	7.09	4.19	6.72	6.40
April.....	8.12	7.04	4.26	6.72	6.39
May.....	8.28	7.14	4.30	6.79	6.47
June.....	8.42	7.34	4.52	6.82	6.78
July.....	8.50	7.48	4.78	6.84	7.08
August.....	8.42	7.42	4.86	6.77	7.05
September.....	8.37	7.37	4.56	6.77	6.84
<b>Year-to-Date Average</b>					
<b>1999 Average</b> .....	<b>8.18</b>	<b>7.23</b>	<b>4.46</b>	<b>6.75</b>	<b>6.68</b>
<b>1998 Average</b> .....	<b>8.38</b>	<b>7.50</b>	<b>4.54</b>	<b>6.70</b>	<b>6.84</b>
<b>1997 Average</b> .....	<b>8.48</b>	<b>7.64</b>	<b>4.55</b>	<b>6.94</b>	<b>6.89</b>

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

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-861 annual total. See Technical Notes for the adjustment methodology. Utilities may classify commercial and industrial consumers based on either NAICS codes or demand/or usage falling within specified limits (based on different rate schedules.) •Values for 1997 and prior years are final. •Values for 1996 in the commercial and industrial sectors for Maryland, the South Atlantic Census Division, and the U.S. Total reflect an electric utility's reclassification for this information by Standard Industrial Classification Code (SIC). •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

**Table 53. Estimated U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector, Census Division, and State, September 1999 and 1998 (Cents)**

Census Division and State	Residential		Commercial		Industrial		Other <sup>1</sup>		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
<b>New England</b> .....	<b>11.0</b>	<b>11.2</b>	<b>9.5</b>	<b>10.0</b>	<b>7.1</b>	<b>7.5</b>	<b>13.3</b>	<b>12.7</b>	<b>9.5</b>	<b>9.9</b>
Connecticut.....	11.2	11.8	9.5	10.0	7.2	7.4	13.1	11.4	9.7	10.2
Maine.....	13.1	13.0	9.6	9.6	5.7	5.9	26.5	24.8	9.0	9.1
Massachusetts.....	10.1	10.2	9.5	10.1	7.6	8.1	13.2	13.8	9.3	9.8
New Hampshire.....	13.8	14.1	11.2	11.5	9.0	9.4	11.5	11.8	11.5	11.8
Rhode Island.....	9.4	9.7	7.5	8.3	6.0	7.0	11.2	11.7	7.9	8.7
Vermont.....	11.4	10.8	9.8	9.0	6.5	6.0	14.9	9.0	9.4	8.9
<b>Middle Atlantic</b> .....	<b>11.8</b>	<b>12.1</b>	<b>9.7</b>	<b>10.6</b>	<b>4.8</b>	<b>5.9</b>	<b>10.1</b>	<b>10.0</b>	<b>9.1</b>	<b>9.9</b>
New Jersey.....	11.1	11.9	9.4	10.2	7.9	7.8	18.5	18.5	9.8	10.4
New York.....	14.4	13.7	12.4	12.5	5.2	5.1	9.7	9.5	11.5	11.3
Pennsylvania.....	9.3	10.6	6.4	8.4	3.9	5.7	10.4	12.3	6.4	8.2
<b>East North Central</b> .....	<b>8.7</b>	<b>8.5</b>	<b>7.3</b>	<b>7.1</b>	<b>4.4</b>	<b>4.4</b>	<b>7.2</b>	<b>6.5</b>	<b>6.5</b>	<b>6.4</b>
Illinois.....	9.3	9.1	7.6	7.3	4.7	5.0	6.9	6.3	7.0	7.1
Indiana.....	7.6	7.0	6.4	6.0	4.0	3.9	10.2	10.3	5.6	5.3
Michigan.....	9.0	8.9	7.9	7.6	5.0	4.9	11.8	11.1	7.1	7.0
Ohio.....	9.3	9.2	7.8	7.5	4.5	4.2	6.2	5.9	6.6	6.4
Wisconsin.....	7.3	7.1	6.0	5.8	3.9	3.9	7.5	7.0	5.5	5.4
<b>West North Central</b> .....	<b>7.7</b>	<b>7.7</b>	<b>6.4</b>	<b>6.4</b>	<b>4.4</b>	<b>4.5</b>	<b>5.7</b>	<b>5.9</b>	<b>6.1</b>	<b>6.2</b>
Iowa.....	8.3	8.6	6.8	7.2	4.4	4.3	6.4	6.2	6.2	6.4
Kansas.....	8.1	8.1	6.3	6.4	4.8	4.5	8.9	8.0	6.5	6.6
Minnesota.....	7.6	7.6	6.4	6.6	4.6	4.7	7.3	7.4	5.9	6.0
Missouri.....	7.4	7.3	6.5	6.3	4.3	4.8	6.4	6.9	6.2	6.4
Nebraska.....	7.4	7.4	5.8	5.9	3.7	3.7	4.5	5.3	5.6	5.8
North Dakota.....	7.3	7.3	6.2	6.4	4.7	4.4	4.5	4.4	6.1	6.0
South Dakota.....	7.6	7.4	6.7	6.7	4.4	4.5	4.5	4.6	6.4	6.4
<b>South Atlantic</b> .....	<b>7.8</b>	<b>7.9</b>	<b>6.4</b>	<b>6.6</b>	<b>4.4</b>	<b>4.4</b>	<b>5.7</b>	<b>6.0</b>	<b>6.5</b>	<b>6.6</b>
Delaware.....	9.7	9.8	7.7	7.4	4.8	4.7	13.1	12.0	7.4	7.3
District of Columbia.....	8.3	9.1	8.4	8.7	4.9	4.9	6.0	6.3	8.2	8.6
Florida.....	7.6	7.8	6.1	6.3	4.9	4.8	6.7	6.7	6.8	7.0
Georgia.....	7.6	8.0	6.1	7.1	4.3	4.5	3.4	9.4	6.2	6.7
Maryland.....	9.2	9.1	8.0	7.6	4.6	4.5	9.9	9.8	7.9	7.7
North Carolina.....	8.3	8.2	6.5	6.5	5.1	5.0	6.7	7.1	6.8	6.8
South Carolina.....	7.5	7.5	6.3	6.3	3.9	3.9	5.5	5.5	5.8	5.8
Virginia.....	7.8	7.5	5.4	5.4	3.8	3.5	4.8	4.7	5.8	5.7
West Virginia.....	6.5	6.5	5.5	5.5	3.7	3.8	9.3	9.5	5.1	5.1
<b>East South Central</b> .....	<b>6.5</b>	<b>6.6</b>	<b>6.2</b>	<b>6.3</b>	<b>4.1</b>	<b>3.8</b>	<b>5.8</b>	<b>6.0</b>	<b>5.4</b>	<b>5.5</b>
Alabama.....	7.4	7.2	6.7	6.7	4.0	4.1	7.8	7.8	5.8	5.8
Kentucky.....	5.7	5.7	5.1	5.3	3.5	3.1	4.6	4.7	4.5	4.4
Mississippi.....	6.5	7.3	5.8	6.8	4.0	4.4	6.6	8.2	5.5	6.3
Tennessee.....	6.3	6.3	6.8	6.2	4.6	4.1	8.2	8.5	5.6	5.6
<b>West South Central</b> .....	<b>7.8</b>	<b>7.6</b>	<b>6.2</b>	<b>6.3</b>	<b>4.3</b>	<b>4.2</b>	<b>6.3</b>	<b>6.3</b>	<b>6.3</b>	<b>6.2</b>
Arkansas.....	7.8	7.8	5.9	6.2	4.2	4.5	7.0	6.4	6.0	6.2
Louisiana.....	8.0	7.5	7.2	6.7	4.9	4.4	7.1	6.6	6.7	6.2
Oklahoma.....	7.0	6.8	6.2	6.3	3.8	3.8	6.0	5.7	6.0	5.9
Texas.....	7.8	7.8	6.1	6.1	4.2	4.1	6.2	6.3	6.3	6.3
<b>Mountain</b> .....	<b>7.7</b>	<b>7.9</b>	<b>6.3</b>	<b>6.6</b>	<b>4.3</b>	<b>4.2</b>	<b>5.4</b>	<b>5.1</b>	<b>6.2</b>	<b>6.2</b>
Arizona.....	8.9	9.1	7.6	8.4	5.1	4.7	4.8	4.5	7.6	7.9
Colorado.....	7.4	7.4	5.6	5.6	4.5	4.4	9.1	7.9	6.0	5.9
Idaho.....	5.4	5.5	4.1	4.2	2.7	3.0	4.6	4.3	3.9	4.1
Montana.....	6.7	6.5	5.7	5.6	2.2	3.1	6.7	5.9	5.1	4.7
Nevada.....	6.9	6.8	6.6	6.4	5.7	5.5	4.2	4.6	6.3	6.1
New Mexico.....	8.6	9.0	7.7	7.8	4.4	4.5	5.8	5.8	6.8	6.8
Utah.....	6.1	6.9	5.2	5.8	3.5	3.6	4.2	4.6	4.8	5.3
Wyoming.....	6.6	6.5	5.3	5.2	3.3	3.3	3.9	4.3	4.3	4.2
<b>Pacific Contiguous</b> .....	<b>8.9</b>	<b>9.3</b>	<b>8.9</b>	<b>9.0</b>	<b>5.2</b>	<b>5.6</b>	<b>6.1</b>	<b>4.9</b>	<b>7.7</b>	<b>8.0</b>
California.....	10.5	10.9	10.4	10.5	6.9	7.0	7.7	5.2	9.5	9.6
Oregon.....	6.0	6.1	5.0	5.0	3.7	4.0	5.4	7.5	4.8	5.1
Washington.....	5.1	5.0	4.7	4.7	2.7	3.1	3.7	3.7	4.0	4.1
<b>Pacific Noncontiguous</b> .....	<b>13.4</b>	<b>12.8</b>	<b>11.3</b>	<b>10.8</b>	<b>9.6</b>	<b>8.8</b>	<b>14.6</b>	<b>13.0</b>	<b>11.4</b>	<b>10.8</b>
Alaska.....	11.4	11.5	9.1	9.5	7.5	7.3	15.4	13.6	9.7	9.9
Hawaii.....	14.6	13.5	12.9	11.8	10.1	9.1	12.8	11.9	12.3	11.2
<b>U.S. Average</b> .....	<b>8.37</b>	<b>8.43</b>	<b>7.37</b>	<b>7.55</b>	<b>4.56</b>	<b>4.62</b>	<b>6.77</b>	<b>6.56</b>	<b>6.84</b>	<b>6.95</b>

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

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-861 annual total. See Technical Notes for the adjustment methodology. Utilities may classify commercial and industrial consumers based on either NAICS codes or demand/or usage falling within specified limits (based on different rate schedules.) •Values for 1997 and prior years are final. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

**Table 54. Estimated Coefficients of Variation for U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector, Census Division, and State, September 1999**  
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other <sup>1</sup>	All Sectors
<b>New England</b>	<b>1.2</b>	<b>2.8</b>	<b>3.0</b>	<b>0.5</b>	<b>2.2</b>
Connecticut	.5	.0	.4	1.0	.4
Maine	.4	.4	.4	7.4	.8
Massachusetts	3.0	5.6	7.3	.6	4.9
New Hampshire	.7	1.6	.5	1.9	.7
Rhode Island	.7	.6	1.2	.6	.7
Vermont	.8	1.0	5.3	7.6	1.0
<b>Middle Atlantic</b>	<b>1.0</b>	<b>2.7</b>	<b>4.3</b>	<b>.7</b>	<b>1.7</b>
New Jersey	.5	.4	.2	.9	.3
New York	1.1	6.8	.9	.8	3.3
Pennsylvania	1.9	2.0	9.7	3.0	3.2
<b>East North Central</b>	<b>.5</b>	<b>.6</b>	<b>1.0</b>	<b>.6</b>	<b>.7</b>
Illinois	1.2	1.8	2.4	.6	1.4
Indiana	2.1	1.4	1.3	4.1	1.4
Michigan	.2	.5	1.5	1.8	1.2
Ohio	.9	.6	2.3	2.0	1.4
Wisconsin	1.1	1.8	1.2	.9	1.3
<b>West North Central</b>	<b>1.0</b>	<b>.6</b>	<b>.8</b>	<b>8.0</b>	<b>.6</b>
Iowa	5.7	.9	1.2	.8	1.8
Kansas	.9	.7	.3	2.9	.3
Minnesota	.9	1.9	1.2	3.3	1.6
Missouri	1.3	1.5	2.3	9.7	.8
Nebraska	1.3	.5	1.7	16.8	2.3
North Dakota	1.9	2.7	1.6	2.6	1.6
South Dakota	.8	1.1	.6	3.0	.8
<b>South Atlantic</b>	<b>.5</b>	<b>.5</b>	<b>.8</b>	<b>2.2</b>	<b>.6</b>
Delaware	.5	.4	.7	1.7	.4
District of Columbia	.0	.0	.0	.0	.0
Florida	.5	.5	1.9	1.0	.5
Georgia	2.3	2.3	1.5	59.9	3.4
Maryland	2.1	1.0	1.4	1.9	.9
North Carolina	.5	2.1	2.4	2.8	1.8
South Carolina	2.4	1.3	.9	1.2	1.1
Virginia	.6	.8	1.0	.4	.7
West Virginia	.2	.2	.1	2.3	.4
<b>East South Central</b>	<b>1.1</b>	<b>1.0</b>	<b>1.5</b>	<b>1.3</b>	<b>1.4</b>
Alabama	1.2	.5	1.5	.8	.3
Kentucky	1.6	1.5	4.9	.9	4.9
Mississippi	5.6	4.3	3.5	8.2	5.0
Tennessee	.4	1.2	.9	7.3	.6
<b>West South Central</b>	<b>2.2</b>	<b>2.4</b>	<b>1.5</b>	<b>3.2</b>	<b>2.1</b>
Arkansas	3.4	5.0	5.3	8.2	4.5
Louisiana	1.9	1.0	.5	8.2	1.7
Oklahoma	.6	.3	2.2	4.3	.9
Texas	3.2	3.5	2.3	3.9	3.2
<b>Mountain</b>	<b>.3</b>	<b>.3</b>	<b>1.3</b>	<b>2.2</b>	<b>.5</b>
Arizona	.3	.5	1.7	4.2	.7
Colorado	1.1	1.4	1.9	6.1	1.0
Idaho	1.7	.3	1.3	7.0	.7
Montana	.7	.6	17.0	1.9	1.1
Nevada	.4	.4	1.6	2.7	.9
New Mexico	.7	.6	10.9	2.3	4.7
Utah	2.0	1.3	.3	1.7	1.1
Wyoming	1.1	.7	1.6	18.8	.6
<b>Pacific Contiguous</b>	<b>.9</b>	<b>.7</b>	<b>1.7</b>	<b>5.1</b>	<b>.7</b>
California	1.1	.9	1.7	7.7	1.0
Oregon	2.0	2.8	1.5	13.7	1.9
Washington	.7	.5	1.7	1.7	.7
<b>Pacific Noncontiguous</b>	<b>.7</b>	<b>.8</b>	<b>1.4</b>	<b>9.1</b>	<b>.9</b>
Alaska	.7	1.4	2.3	12.8	1.2
Hawaii	.9	1.0	1.4	1.4	1.1
<b>U.S. Average</b>	<b>.5</b>	<b>.5</b>	<b>.6</b>	<b>1.1</b>	<b>.5</b>

<sup>1</sup> 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 1999 and 1998 (Cents)**

Census Division and State	Residential		Commercial		Industrial		Other <sup>1</sup>		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
<b>New England</b>	<b>11.2</b>	<b>11.6</b>	<b>9.5</b>	<b>9.9</b>	<b>7.4</b>	<b>7.9</b>	<b>13.9</b>	<b>13.8</b>	<b>9.7</b>	<b>10.1</b>
Connecticut	11.5	12.0	9.7	10.0	7.4	7.7	14.1	12.7	10.0	10.3
Maine	13.1	13.0	10.5	10.4	6.4	6.6	26.3	23.8	9.8	9.7
Massachusetts	10.1	10.6	8.9	9.6	7.5	8.3	13.5	14.7	9.1	9.7
New Hampshire	13.9	13.7	11.4	11.6	9.1	9.4	11.8	13.4	11.7	11.8
Rhode Island	10.5	11.2	8.6	9.5	6.9	7.8	12.3	11.5	9.0	9.8
Vermont	12.1	11.5	10.5	9.9	7.1	7.1	14.7	10.2	10.2	9.7
<b>Middle Atlantic</b>	<b>11.4</b>	<b>11.8</b>	<b>9.5</b>	<b>10.3</b>	<b>5.0</b>	<b>5.9</b>	<b>9.4</b>	<b>9.6</b>	<b>9.0</b>	<b>9.6</b>
New Jersey	11.7	11.5	9.9	10.1	7.9	7.9	18.7	18.7	10.2	10.2
New York	13.9	13.8	11.6	11.9	4.9	5.1	9.0	8.9	10.8	10.9
Pennsylvania	8.9	10.1	6.6	8.3	4.3	5.7	10.2	12.5	6.6	8.0
<b>East North Central</b>	<b>8.3</b>	<b>8.6</b>	<b>7.3</b>	<b>7.4</b>	<b>4.5</b>	<b>4.5</b>	<b>7.0</b>	<b>7.1</b>	<b>6.5</b>	<b>6.6</b>
Illinois	8.7	10.3	7.5	8.0	5.0	5.3	6.7	7.0	7.0	7.8
Indiana	7.1	7.0	6.1	6.1	4.0	4.0	10.2	10.2	5.4	5.4
Michigan	8.9	8.7	7.9	7.8	5.1	5.1	12.0	11.4	7.3	7.2
Ohio	8.7	8.8	7.7	7.6	4.4	4.3	6.1	6.1	6.5	6.4
Wisconsin	7.3	7.1	5.9	5.9	3.9	3.8	7.7	7.2	5.5	5.4
<b>West North Central</b>	<b>7.4</b>	<b>7.5</b>	<b>6.2</b>	<b>6.3</b>	<b>4.4</b>	<b>4.4</b>	<b>6.4</b>	<b>6.2</b>	<b>6.1</b>	<b>6.1</b>
Iowa	8.1	8.5	6.6	6.8	4.0	4.1	6.5	6.2	6.0	6.2
Kansas	7.7	7.7	6.2	6.4	4.5	4.5	9.2	8.5	6.3	6.4
Minnesota	7.5	7.4	6.4	6.3	4.7	4.5	8.0	7.9	6.0	5.8
Missouri	7.3	7.3	6.2	6.2	4.6	4.6	6.3	6.4	6.3	6.3
Nebraska	6.6	6.6	5.5	5.6	3.6	3.7	6.0	6.0	5.4	5.4
North Dakota	6.5	6.5	6.0	6.1	4.6	4.4	4.5	4.4	5.8	5.8
South Dakota	7.4	7.3	6.7	6.6	4.6	4.5	4.7	4.2	6.4	6.3
<b>South Atlantic</b>	<b>7.8</b>	<b>7.9</b>	<b>6.4</b>	<b>6.5</b>	<b>4.3</b>	<b>4.3</b>	<b>6.0</b>	<b>6.2</b>	<b>6.5</b>	<b>6.5</b>
Delaware	9.0	9.2	7.1	7.2	4.6	4.7	13.6	13.2	6.9	7.0
District of Columbia	8.3	8.3	7.8	7.8	4.8	4.6	6.7	6.7	7.7	7.7
Florida	7.8	7.9	6.3	6.4	5.0	4.9	6.7	6.7	6.9	7.0
Georgia	7.6	7.9	6.4	7.0	4.3	4.4	7.2	9.0	6.2	6.6
Maryland	8.6	8.7	7.1	7.1	4.4	4.2	9.5	9.1	7.3	7.2
North Carolina	8.1	8.0	6.3	6.4	4.7	4.7	6.8	6.9	6.5	6.5
South Carolina	7.6	7.5	6.3	6.3	3.7	3.7	6.0	5.9	5.6	5.6
Virginia	7.5	7.6	5.6	5.6	3.9	3.8	4.9	5.0	5.9	5.9
West Virginia	6.3	6.3	5.5	5.5	3.8	3.8	9.4	9.6	5.1	5.1
<b>East South Central</b>	<b>6.4</b>	<b>6.5</b>	<b>6.1</b>	<b>6.2</b>	<b>4.0</b>	<b>3.8</b>	<b>6.0</b>	<b>6.2</b>	<b>5.2</b>	<b>5.3</b>
Alabama	7.1	6.9	6.6	6.6	4.0	4.0	7.7	7.3	5.6	5.6
Kentucky	5.6	5.7	5.2	5.3	3.3	3.0	4.6	4.7	4.3	4.3
Mississippi	6.5	7.1	6.0	6.7	4.0	4.2	7.3	8.7	5.5	6.0
Tennessee	6.3	6.3	6.4	6.3	4.7	4.4	8.4	8.6	5.6	5.6
<b>West South Central</b>	<b>7.4</b>	<b>7.4</b>	<b>6.3</b>	<b>6.4</b>	<b>4.1</b>	<b>4.0</b>	<b>6.1</b>	<b>6.2</b>	<b>5.9</b>	<b>6.0</b>
Arkansas	7.3	7.5	5.7	5.9	4.0	4.2	6.5	6.2	5.6	5.8
Louisiana	7.1	7.1	6.4	6.6	4.1	4.2	6.0	6.5	5.8	5.8
Oklahoma	6.6	6.6	5.7	5.8	3.7	3.7	4.9	4.9	5.5	5.5
Texas	7.6	7.7	6.5	6.5	4.1	4.0	6.4	6.4	6.1	6.1
<b>Mountain</b>	<b>7.5</b>	<b>7.6</b>	<b>6.2</b>	<b>6.4</b>	<b>4.3</b>	<b>4.1</b>	<b>5.2</b>	<b>5.3</b>	<b>6.0</b>	<b>6.0</b>
Arizona	8.6	8.7	7.4	7.9	5.4	5.1	4.6	4.6	7.3	7.4
Colorado	7.4	7.4	5.5	5.7	4.4	4.4	8.1	8.2	5.9	6.0
Idaho	5.3	5.2	4.2	4.3	2.8	2.8	4.6	4.5	4.0	4.0
Montana	6.8	6.5	6.2	5.8	4.9	3.2	8.9	6.4	6.1	4.8
Nevada	7.1	6.9	6.7	6.5	4.9	4.7	4.2	4.1	6.0	5.8
New Mexico	8.8	9.0	7.9	7.8	4.5	4.5	5.6	6.0	6.8	6.8
Utah	6.2	6.9	5.3	5.7	3.4	3.5	4.2	4.4	4.9	5.2
Wyoming	6.4	6.4	5.4	5.3	3.3	3.4	3.7	4.2	4.3	4.3
<b>Pacific Contiguous</b>	<b>8.4</b>	<b>8.5</b>	<b>8.0</b>	<b>8.3</b>	<b>4.6</b>	<b>4.9</b>	<b>5.8</b>	<b>4.9</b>	<b>7.1</b>	<b>7.3</b>
California	10.5	10.6	9.3	9.7	6.2	6.6	7.7	5.6	8.8	9.1
Oregon	5.8	5.9	5.0	5.0	3.2	3.3	5.3	5.9	4.7	4.8
Washington	5.0	5.0	4.8	4.7	2.4	2.5	3.5	3.5	4.0	3.9
<b>Pacific Noncontiguous</b>	<b>12.7</b>	<b>13.0</b>	<b>10.9</b>	<b>11.1</b>	<b>9.0</b>	<b>9.1</b>	<b>14.6</b>	<b>13.8</b>	<b>10.9</b>	<b>11.0</b>
Alaska	11.2	11.6	9.2	9.4	7.4	7.2	15.5	14.3	9.7	10.0
Hawaii	13.8	13.9	12.4	12.4	9.3	9.5	12.2	12.3	11.6	11.6
<b>U.S. Average</b>	<b>8.18</b>	<b>8.32</b>	<b>7.23</b>	<b>7.48</b>	<b>4.46</b>	<b>4.53</b>	<b>6.75</b>	<b>6.72</b>	<b>6.68</b>	<b>6.81</b>

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

Notes: •Values for 1999 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 1998 have been adjusted to reflect the Form EIA-861 annual total. See Technical Notes for the adjustment methodology. Utilities may classify commercial and industrial consumers based on either NAICS codes or demand/or usage falling within specified limits (based on different rate schedules.) •Values for 1997 and prior years are final. 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 and Fuel Consumption

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Alabama Elec Coop Inc.....</b>	<b>310,189</b>	<b>-1</b>	<b>48,268</b>	<b>288</b>	<b>—</b>	<b>—</b>	<b>141</b>	<b>*</b>	<b>472</b>
Gantt (AL).....	—	—	—	-10	—	—	—	—	—
Lowman (AL).....	310,189	—	—	—	—	—	141	—	—
McIntosh-CAES (AL).....	—	—	16,193	—	—	—	—	—	180
McWilliams (AL).....	—	—	32,075	—	—	—	—	—	291
Point A (AL).....	—	—	—	298	—	—	—	—	—
Portland (FL).....	—	-1	—	—	—	—	—	*	—
<b>Alabama Power Co .....</b>	<b>4,925,271</b>	<b>2,000</b>	<b>96,537</b>	<b>111,191</b>	<b>1,130,248</b>	<b>—</b>	<b>2,294</b>	<b>4</b>	<b>1,188</b>
Bankhead Dam (AL).....	—	—	—	3,511	—	—	—	—	—
Barry (AL).....	992,757	200	347	—	—	—	396	*	27
Chickasaw (AL).....	—	—	—	—	—	—	—	—	—
Farley (AL).....	—	—	—	—	1,130,248	—	—	—	—
Gadsden New (AL).....	29,767	—	13,050	—	—	—	20	—	131
Gaston, E C (AL).....	1,163,501	1,200	—	—	—	—	452	2	—
Gorgas (AL).....	659,063	400	—	—	—	—	277	1	—
Greene County (AL).....	273,146	200	74,130	—	—	—	108	*	939
H Neely Henry Dam (AL).....	—	—	—	5,075	—	—	—	—	—
Harris (AL).....	—	—	—	3,138	—	—	—	—	—
Holt Dam (AL).....	—	—	—	3,843	—	—	—	—	—
Jordan (AL).....	—	—	—	11,255	—	—	—	—	—
Lay Dam (AL).....	—	—	—	12,240	—	—	—	—	—
Lewis Smith Dam (AL).....	—	—	—	18,024	—	—	—	—	—
Logan Martin Dam (AL).....	—	—	—	7,425	—	—	—	—	—
Martin Dam (AL).....	—	—	—	12,800	—	—	—	—	—
Miller (AL).....	1,807,037	—	9,010	—	—	—	1,041	—	92
Mitchell Dam (AL).....	—	—	—	9,819	—	—	—	—	—
Thurlow Dam (AL).....	—	—	—	6,940	—	—	—	—	—
Walter Bouldin Dam (AL).....	—	—	—	5,504	—	—	—	—	—
Weiss Dam (AL).....	—	—	—	6,218	—	—	—	—	—
Yates Dam (AL).....	—	—	—	5,399	—	—	—	—	—
<b>Alaska Elec Lgt &amp; Pwr Co .....</b>	<b>—</b>	<b>7</b>	<b>—</b>	<b>6,792</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>*</b>	<b>—</b>
Annex Creek (AK).....	—	—	—	2,520	—	—	—	—	—
Auke Bay (AK).....	—	1	—	—	—	—	—	*	—
Gold Creek (AK).....	—	—	—	662	—	—	—	—	—
Lemon Creek (AK).....	—	6	—	—	—	—	—	*	—
Salmon Creek (AK).....	—	—	—	—	—	—	—	—	—
Salmon Creek 2 (AK).....	—	—	—	3,610	—	—	—	—	—
<b>Alaska Power Admn .....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Eklutna (AK).....	—	—	—	—	—	—	—	—	—
Snettisham (AK).....	—	—	—	—	—	—	—	—	—
<b>Alexandria (City of) .....</b>	<b>—</b>	<b>—</b>	<b>2,224</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>16</b>
D G Hunter (LA).....	—	—	2,224	—	—	—	—	—	16
<b>Amer Mun Power-Ohio Inc .....</b>	<b>115,210</b>	<b>—</b>	<b>156</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>75</b>	<b>—</b>	<b>2</b>

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Amer Mun Power-Ohio Inc</b>									
Richard Gorsuch (OH).....	115,210	—	156	—	—	—	75	—	2
<b>Ames (City of).....</b>	<b>31,110</b>	<b>500</b>	—	—	—	—	<b>20</b>	<b>1</b>	—
Ames (IA).....	31,110	500	—	—	—	—	20	1	—
Ames Gt (IA).....	—	—	—	—	—	—	—	—	—
<b>Anchorage (City of).....</b>	—	<b>13</b>	<b>40,696</b>	—	—	—	—	*	<b>539</b>
Anchorage (AK).....	—	3	170	—	—	—	—	*	6
GMS 2 (AK).....	—	10	40,526	—	—	—	—	*	533
<b>Appalachian Power Co.....</b>	<b>2,489,035</b>	<b>10,123</b>	—	<b>4,532</b>	—	—	<b>1,015</b>	<b>17</b>	—
Amos, John E (WV).....	1,400,145	6,906	—	—	—	—	551	11	—
Buck (VA).....	—	—	—	1,236	—	—	—	—	—
Byllesby 2 (VA).....	—	—	—	1,483	—	—	—	—	—
Claytor (VA).....	—	—	—	6,299	—	—	—	—	—
Clinch River (VA).....	403,593	268	—	—	—	—	157	*	—
Glen Lyn (VA).....	103,181	365	—	—	—	—	45	1	—
Kanawha River (WV).....	14,011	148	—	—	—	—	5	*	—
Leesville (VA).....	—	—	—	2,004	—	—	—	—	—
London (WV).....	—	—	—	2,223	—	—	—	—	—
Marmet (WV).....	—	—	—	1,619	—	—	—	—	—
Mountaineer (WV).....	568,105	2,436	—	—	—	—	256	5	—
Niagara (VA).....	—	—	—	611	—	—	—	—	—
Reusens (VA).....	—	—	—	1,980	—	—	—	—	—
Smith Mountain (VA).....	—	—	—	-15,621	—	—	—	—	—
Winfield (WV).....	—	—	—	2,698	—	—	—	—	—
<b>Arizona Elec Pwr Coop Inc.....</b>	<b>235,270</b>	—	<b>36,656</b>	—	—	—	<b>124</b>	—	<b>393</b>
Apache Station (AZ).....	235,270	—	36,656	—	—	—	124	—	393
<b>Arizona Public Service Co.....</b>	<b>1,936,376</b>	<b>1,396</b>	<b>175,834</b>	<b>2,749</b>	<b>2,669,392</b>	—	<b>1,096</b>	<b>3</b>	<b>2,094</b>
Childs (AZ).....	—	—	—	1,734	—	—	—	—	—
Cholla (AZ).....	552,154	786	384	—	—	—	307	1	5
Fairview (AZ).....	—	35	—	—	—	—	—	*	—
Four Corners (NM).....	1,384,222	—	2,043	—	—	—	788	—	24
Irving (AZ).....	—	—	—	1,015	—	—	—	—	—
Ocotillo (AZ).....	—	—	40,088	—	—	—	—	—	497
Palo Verde (AZ).....	—	—	—	—	2,669,392	—	—	—	—
Phoenix (AZ).....	—	257	67,038	—	—	—	—	*	761
Saguaro (AZ).....	—	—	29,850	—	—	—	—	—	370
Yucca (AZ).....	—	318	36,431	—	—	—	—	1	438
<b>Arkansas Elec Coop Corp.....</b>	—	<b>3,604</b>	<b>57,612</b>	<b>19,373</b>	—	—	—	<b>6</b>	<b>659</b>
Bailey (AR).....	—	—	24,660	—	—	—	—	—	294
Clyde Ellis (AR).....	—	—	—	9,607	—	—	—	—	—
Dam 9 (AR).....	—	—	—	9,766	—	—	—	—	—
Fitzhugh (AR).....	—	—	5,259	—	—	—	—	—	63
Mc Clellan (AR).....	—	3,604	27,693	—	—	—	—	6	302
<b>Arkansas Power &amp; Light Co.....</b>	<b>1,834,148</b>	<b>4,348</b>	<b>295,225</b>	<b>6,293</b>	<b>836,512</b>	—	<b>1,127</b>	<b>8</b>	<b>2,461</b>
Arkansas Nuclear One(AR).....	—	—	—	—	836,512	—	—	—	—
Blytheville (AR).....	—	—	—	—	—	—	—	—	—
Carpenter (AR).....	—	—	—	4,097	—	—	—	—	—
Couch, Harvey (AR).....	—	—	19,494	—	—	—	—	—	259
Independence (AR).....	974,099	3,352	—	—	—	—	591	6	—
L Catherine (AR).....	—	—	151,133	—	—	—	—	—	1,609
Lynch, Cecil (AR).....	—	—	—	—	—	—	—	—	—
Mablevale (AR).....	—	—	196	—	—	—	—	—	4
Moses, Ham (AR).....	—	—	—	—	—	—	—	—	—
Rommel (AR).....	—	—	—	2,196	—	—	—	—	—
Ritchie, R E (AR).....	—	—	124,402	—	—	—	—	—	589
White Bluff (AR).....	860,049	996	—	—	—	—	536	2	—
<b>Associated Elec Coop.....</b>	<b>1,352,340</b>	<b>511</b>	<b>52,739</b>	—	—	—	<b>794</b>	<b>1</b>	<b>394</b>
Essex (MO).....	—	—	4,077	—	—	—	—	—	38
Nadaway (MO).....	—	—	6,959	—	—	—	—	—	82
New Madrid (MO).....	614,692	409	—	—	—	—	361	1	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Associated Elec Coop</b>									
St Francis (MO).....	—	—	41,703	—	—	—	—	—	274
Thomas Hill (MO).....	737,648	102	—	—	—	—	433	*	—
Unionville (MO).....	—	—	—	—	—	—	—	*	—
<b>Atlantic City Elec Co.....</b>									
Carlls Corner (NJ).....	168,223	9,629	20,468	—	—	—	72	16	269
Cedar (NJ).....	—	5	—	—	—	—	—	*	—
Cumberland St (NJ).....	—	133	—	—	—	—	—	*	—
Deepwater (NJ).....	—	—	9,633	—	—	—	—	—	121
Deepwater (NJ).....	28,280	92	2,325	—	—	—	12	*	29
England, B L (NJ).....	139,943	9,047	—	—	—	—	60	14	—
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—
Mickleton Street (NJ).....	—	—	909	—	—	—	—	—	19
Middle (NJ).....	—	198	—	—	—	—	—	1	—
Missouri Avenue (NJ).....	—	154	—	—	—	—	—	*	—
Sherman Avenue (NJ).....	—	—	7,601	—	—	—	—	—	99
<b>Austin (City of).....</b>									
Decker Creek (TX).....	—	—	350,518	—	—	6	—	—	3,694
Decker Creek (TX).....	—	—	244,162	—	—	6	—	—	2,571
Holly Street (TX).....	—	—	106,356	—	—	—	—	—	1,123
<b>Avista Corporation.....</b>									
Cabinet Gorge (ID).....	—	—	62,219	179,370	—	30,922	—	—	735
Cabinet Gorge (ID).....	—	—	—	52,832	—	—	—	—	—
Kettle Fls (WA).....	—	—	422	—	—	30,922	—	—	*
Little Falls (WA).....	—	—	—	8,574	—	—	—	—	—
Long Lake (WA).....	—	—	—	20,408	—	—	—	—	—
Meyers Falls (WA).....	—	—	—	—	—	—	—	—	—
Monroe Street (WA).....	—	—	—	6,242	—	—	—	—	—
Nine Mile (WA).....	—	—	—	5,730	—	—	—	—	—
Northeast (WA).....	—	—	6,561	—	—	—	—	—	82
Noxon Rapids (MT).....	—	—	—	76,768	—	—	—	—	—
Post Falls (ID).....	—	—	—	3,574	—	—	—	—	—
Rathdrum (WA).....	—	—	55,236	—	—	—	—	—	652
Upper Falls (WA).....	—	—	—	5,242	—	—	—	—	—
<b>Baltimore Gas &amp; Elec Co.....</b>									
Brandon (MD).....	1,122,714	32,749	17,012	—	1,165,430	—	452	68	279
Brandon (MD).....	665,473	5,244	—	—	—	—	284	10	—
Calvert Cliffs (MD).....	—	—	—	—	1,165,430	—	—	—	—
Crane, C P (MD).....	191,170	8	—	—	—	—	67	*	—
Gould Street (MD).....	—	622	5,190	—	—	—	—	3	67
Notch Cliff (MD).....	—	—	793	—	—	—	—	—	14
Perryman (MD).....	—	95	—	—	—	—	—	*	—
Philadelphia Road (MD).....	—	—	—	—	—	—	—	—	—
Riverside (MD).....	—	90	3,091	—	—	—	—	*	45
Wagner, H A (MD).....	266,071	26,690	7,291	—	—	—	101	55	142
Westport (MD).....	—	—	647	—	—	—	—	—	11
<b>Basin Elec Power Coop.....</b>									
Antelope Valley (ND).....	1,956,996	3,216	—	—	—	—	1,138	4	—
Antelope Valley (ND).....	567,907	69	—	—	—	—	475	*	—
Laramie River (WY).....	1,063,808	2,813	—	—	—	—	384	3	—
Leland Olds (ND).....	325,281	321	—	—	—	—	279	1	—
Sprit Mound (SD).....	—	13	—	—	—	—	—	*	—
<b>Black Hills Pwr and Lt Co.....</b>									
French, Ben (SD).....	105,602	15	733	—	—	—	82	*	11
French, Ben (SD).....	10,261	-67	733	—	—	—	9	*	11
Neil Simpson 2 (WY).....	60,498	75	—	—	—	—	42	*	—
Osage (WY).....	21,183	—	—	—	—	—	20	—	—
Simpson, Neil (WY).....	13,660	7	—	—	—	—	11	*	—
<b>Boston Edison Co.....</b>									
Pilgrim (MA).....	—	—	—	—	—	—	—	—	—
<b>Braintree (City of).....</b>									
Potter Station (MA).....	—	6	5,209	—	—	—	—	*	56
Potter Station (MA).....	—	6	5,209	—	—	—	—	*	56
<b>Brazos Elec Pwr Coop Inc.....</b>									
Miller, R W (TX).....	—	—	150,002	—	—	—	—	—	1,596
Miller, R W (TX).....	—	—	149,405	—	—	—	—	—	1,585
North Texas (TX).....	—	—	597	—	—	—	—	—	10

See footnotes at end of table.



**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Brownsville (City of)</b> .....	—	—	<b>25,473</b>	—	—	—	—	—	—	<b>307</b>
Si Ray (TX).....	—	—	25,473	—	—	—	—	—	—	307
<b>Bryan (City of)</b> .....	—	—	<b>49,832</b>	—	—	—	—	—	—	<b>574</b>
Bryan (TX).....	—	—	8,964	—	—	—	—	—	—	112
Dansby (TX).....	—	—	40,868	—	—	—	—	—	—	462
<b>Burbank (City of)</b> .....	—	—	<b>6,350</b>	—	—	—	—	—	—	<b>100</b>
Magnolia (CA).....	—	—	177	—	—	—	—	—	—	4
Olive (CA).....	—	—	6,173	—	—	—	—	—	—	96
<b>Burlington (City of)</b> .....	—	<b>1,051</b>	<b>7,268</b>	—	—	—	<b>11,368</b>	—	<b>3</b>	<b>90</b>
Burlington (VT).....	—	1,049	—	—	—	—	—	—	3	—
J C McNeil (VT).....	—	2	7,268	—	—	—	11,368	—	*	90
<b>Cajun Elec Power Coop Inc</b> .....	<b>975,166</b>	<b>960</b>	<b>80,574</b>	—	—	—	—	<b>620</b>	<b>2</b>	<b>865</b>
Big Cajun 1 (LA).....	—	—	80,574	—	—	—	—	—	—	865
Big Cajun 2 (LA).....	975,166	960	—	—	—	—	620	2	—	—
<b>California (State of)</b> .....	—	—	—	<b>176,873</b>	—	—	<b>-32</b>	—	—	—
Alamo (CA).....	—	—	—	7,534	—	—	—	—	—	—
Bottle Rock (CA).....	—	—	—	—	—	—	-32	—	—	—
Devil Canyon (CA).....	—	—	—	54,775	—	—	—	—	—	—
Edw Hyatt (CA).....	—	—	—	122,120	—	—	—	—	—	—
Mojave Siphon (CA).....	—	—	—	4,763	—	—	—	—	—	—
Thermal Div (CA).....	—	—	—	581	—	—	—	—	—	—
Thermalito (CA).....	—	—	—	16,168	—	—	—	—	—	—
W E Warne (CA).....	—	—	—	18,396	—	—	—	—	—	—
William R Gianelli (CA).....	—	—	—	-47,464	—	—	—	—	—	—
<b>Cardinal Operating Co.</b> .....	<b>716,283</b>	<b>773</b>	—	—	—	—	—	<b>291</b>	<b>1</b>	—
Cardinal (OH).....	716,283	773	—	—	—	—	291	1	—	—
<b>Carolina Power &amp; Light Co</b> .....	<b>2,420,884</b>	<b>12,313</b>	<b>11,921</b>	<b>15,327</b>	<b>1,864,994</b>	—	—	<b>967</b>	<b>27</b>	<b>149</b>
Asheville (NC).....	216,253	105	4,451	—	—	—	83	*	—	51
Blewett (NC).....	—	11	—	4,730	—	—	—	*	—	—
Brunswick (NC).....	—	—	—	—	902,140	—	—	—	—	—
Cape Fear (NC).....	134,672	890	—	—	—	—	48	3	—	—
Darlington County (SC).....	—	285	7,304	—	—	—	—	3	—	94
Harris (NC).....	—	—	—	—	613,915	—	—	—	—	—
Lee (NC).....	86,163	1,341	—	—	—	—	38	3	—	—
Marshall (NC).....	—	—	—	212	—	—	—	—	—	—
Mayo (NC).....	325,600	3,674	—	—	—	—	137	6	—	—
Morehead (NC).....	—	-5	—	—	—	—	—	—	—	—
Robinson, H B (SC).....	92,626	46	—	—	348,939	—	34	*	—	—
Roxboro (NC).....	1,286,554	3,886	—	—	—	—	508	7	—	—
Sutton (NC).....	212,680	1,844	—	—	—	—	89	5	—	—
Tillery (NC).....	—	—	—	6,582	—	—	—	—	—	—
Walters (NC).....	—	—	—	3,803	—	—	—	—	—	—
Weatherspoon (NC).....	66,336	236	166	—	—	—	30	*	—	4
<b>Cedar Falls (City of)</b> .....	—	—	<b>-3</b>	—	—	—	—	—	—	<b>3</b>
Cedar Falls Gt (IA).....	—	—	10	—	—	—	—	—	—	3
Streeter (IA).....	—	—	-13	—	—	—	—	—	—	—
<b>Cent NE Pub Pwr &amp; Ir Dist</b> .....	—	—	—	<b>43,718</b>	—	—	—	—	—	—
Jeffrey Canyon (NE).....	—	—	—	11,350	—	—	—	—	—	—
Johnson No 1 (NE).....	—	—	—	8,778	—	—	—	—	—	—
Johnson No 2 (NE).....	—	—	—	11,279	—	—	—	—	—	—
Kingsley (NE).....	—	—	—	12,311	—	—	—	—	—	—
<b>Central Elec Pwr Coop</b> .....	<b>12,231</b>	<b>12</b>	—	—	—	—	—	<b>6</b>	<b>*</b>	—
Chamois (MO).....	12,231	12	—	—	—	—	6	*	—	—
<b>Central Hudson Gas &amp; Elec</b> .....	<b>221,416</b>	<b>239,634</b>	<b>84,416</b>	<b>9,196</b>	—	—	—	<b>84</b>	<b>388</b>	<b>952</b>
Coxsackie (NY).....	—	—	946	—	—	—	—	—	—	14
Danskammer (NY).....	221,416	521	23,620	—	—	—	84	1	—	267
Dashville (NY).....	—	—	—	612	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Central Hudson Gas &amp; Elec</b>									
High Falls (NY).....	—	—	—	119	—	—	—	—	—
Neversink (NY).....	—	—	—	4,696	—	—	—	—	—
Roseton (NY).....	—	238,772	59,850	—	—	—	—	386	672
South Cairo (NY).....	—	341	—	—	—	—	—	1	—
Sturgeon Pool (NY).....	—	—	—	3,769	—	—	—	—	—
<b>Central Ill Public Ser Co</b> .....	<b>898,058</b>	<b>6,145</b>	<b>1</b>	—	—	<b>494</b>	<b>500</b>	<b>12</b>	<b>*</b>
Coffeen (IL).....	291,658	93	—	—	—	494	148	*	—
Grand Tower (IL).....	25,529	158	—	—	—	—	13	*	—
Hutsonville (IL).....	23,032	256	—	—	—	—	11	1	—
Meredosia (IL).....	32,693	4,566	1	—	—	—	17	9	*
Newton (IL).....	525,146	1,072	—	—	—	—	311	2	—
<b>Central Iowa Power Coop</b> .....	<b>33,378</b>	—	—	—	—	—	<b>16</b>	—	—
Fair Station (IA).....	33,378	—	—	—	—	—	16	—	—
Summit Lake (IA).....	—	—	—	—	—	—	—	—	—
<b>Central Illinois Light Co</b> .....	<b>493,126</b>	<b>230</b>	<b>2,047</b>	—	—	—	<b>222</b>	<b>1</b>	<b>13</b>
Duck Creek (IL).....	135,715	30	—	—	—	—	64	*	—
E D Edwards (IL).....	357,411	200	—	—	—	—	158	1	—
Pekin Cogen (IL).....	—	—	1,891	—	—	—	—	—	10
Sterling Avenue (IL).....	—	—	156	—	—	—	—	—	3
<b>Central Louisiana Elec Co</b> .....	<b>690,327</b>	—	<b>310,702</b>	—	—	—	<b>493</b>	—	<b>3,260</b>
Coughlin (LA).....	—	—	46,709	—	—	—	—	—	505
Dolet Hills (LA).....	389,054	—	735	—	—	—	306	—	8
Franklin (LA).....	—	—	—	—	—	—	—	—	—
Rodemacher (LA).....	301,273	—	141,774	—	—	—	187	—	1,488
Teche (LA).....	—	—	121,484	—	—	—	—	—	1,259
<b>Central Maine Power Co</b> .....	—	<b>-27</b>	—	—	—	—	—	—	—
Andro Lower (ME).....	—	—	—	—	—	—	—	—	—
Androscoggin 3 (ME).....	—	—	—	—	—	—	—	—	—
Bar Mills (ME).....	—	—	—	—	—	—	—	—	—
Bates Lower (ME).....	—	—	—	—	—	—	—	—	—
Bates Upper (ME).....	—	—	—	—	—	—	—	—	—
Bonny Eagle (ME).....	—	—	—	—	—	—	—	—	—
Brunswick (ME).....	—	—	—	—	—	—	—	—	—
C. E. Monty (ME).....	—	—	—	—	—	—	—	—	—
Cape (ME).....	—	-27	—	—	—	—	—	—	—
Cataract (ME).....	—	—	—	—	—	—	—	—	—
Continental Mills (ME).....	—	—	—	—	—	—	—	—	—
Deer Rips (ME).....	—	—	—	—	—	—	—	—	—
Fort Halifax (ME).....	—	—	—	—	—	—	—	—	—
Gulf Island (ME).....	—	—	—	—	—	—	—	—	—
Harris (ME).....	—	—	—	—	—	—	—	—	—
Hill Mill (ME).....	—	—	—	—	—	—	—	—	—
Hiram (ME).....	—	—	—	—	—	—	—	—	—
Islesboro (ME).....	—	—	—	—	—	—	—	—	—
Mason (ME).....	—	—	—	—	—	—	—	—	—
North Gorham (ME).....	—	—	—	—	—	—	—	—	—
Oakland (ME).....	—	—	—	—	—	—	—	—	—
Peaks Island (ME).....	—	—	—	—	—	—	—	—	—
Rice Rips (ME).....	—	—	—	—	—	—	—	—	—
Shawmut (ME).....	—	—	—	—	—	—	—	—	—
Skelton (ME).....	—	—	—	—	—	—	—	—	—
Smelt Hill (AK).....	—	—	—	—	—	—	—	—	—
Union Gas (ME).....	—	—	—	—	—	—	—	—	—
West Buxton (ME).....	—	—	—	—	—	—	—	—	—
West Channel (MA).....	—	—	—	—	—	—	—	—	—
Weston (ME).....	—	—	—	—	—	—	—	—	—
Williams (ME).....	—	—	—	—	—	—	—	—	—
Wyman Hydro (ME).....	—	—	—	—	—	—	—	—	—
Wyman, W F (ME).....	—	—	—	—	—	—	—	—	—
<b>Central Operating Co</b> .....	<b>339,746</b>	<b>576</b>	—	—	—	—	<b>130</b>	<b>1</b>	—
Sporn, Phil (WV).....	339,746	576	—	—	—	—	130	1	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Central Power &amp; Light Co</b> .....	<b>414,310</b>	<b>207</b>	<b>1,107,593</b>	<b>3,074</b>	—	—	<b>209</b>	*	<b>11,775</b>
Bates, J L (TX) .....	—	—	63,981	—	—	—	—	—	744
Coletto Creek (TX) .....	414,310	207	—	—	—	—	209	*	—
Davis, Barney M (TX) .....	—	—	317,835	—	—	—	—	—	3,306
Eagle Pass (TX) .....	—	—	—	3,074	—	—	—	—	—
Hill, Lon C (TX) .....	—	—	166,206	—	—	—	—	—	1,836
Joslin, E S (TX) .....	—	—	74,342	—	—	—	—	—	781
La Palma (TX) .....	—	—	63,859	—	—	—	—	—	686
Laredo (TX) .....	—	—	71,480	—	—	—	—	—	808
Nueces Bay (TX) .....	—	—	242,798	—	—	—	—	—	2,426
Victoria (TX) .....	—	—	107,092	—	—	—	—	—	1,189
<b>Chelan Pub Util Dist # 1</b> .....	—	—	—	<b>753,354</b>	—	—	—	—	—
Chelan (WA) .....	—	—	—	30,791	—	—	—	—	—
Rock Island (WA) .....	—	—	—	218,907	—	—	—	—	—
Rocky Reach (WA) .....	—	—	—	503,656	—	—	—	—	—
<b>Chillicothe (City of)</b> .....	<b>128</b>	—	—	—	—	—	*	—	—
Chillicothe (MO) .....	128	—	—	—	—	—	*	—	—
<b>Chugach Elec Assn Inc</b> .....	—	—	<b>149,148</b>	<b>40,421</b>	—	—	—	—	<b>1,621</b>
Beluga (AK) .....	—	—	135,676	—	—	—	—	—	1,425
Bernice Lake (AK) .....	—	—	13,255	—	—	—	—	—	192
Bradley Lake (AK) .....	—	—	—	34,374	—	—	—	—	—
Cooper Lake (AK) .....	—	—	—	6,047	—	—	—	—	—
International (AK) .....	—	—	217	—	—	—	—	—	4
Soldotna (AK) .....	—	—	—	—	—	—	—	—	—
<b>Cincinnati Gas Elec Co</b> .....	<b>2,118,873</b>	<b>10,559</b>	<b>17,906</b>	—	—	—	<b>883</b>	<b>23</b>	<b>292</b>
Beckjord, Walter C (OH) .....	615,083	1,469	—	—	—	—	261	7	—
Dicks Creek (OH) .....	—	—	1,505	—	—	—	—	—	32
East Bend (KY) .....	409,670	256	—	—	—	—	175	*	—
Miami Fort (OH) .....	614,944	2,580	—	—	—	—	261	5	—
W. H. Zimmer ( ) .....	479,176	6,154	—	—	—	—	186	10	—
Woodsdale (OH) .....	—	100	16,401	—	—	—	—	*	261
<b>Citizens Utilities Co</b> .....	—	—	—	—	—	—	—	—	—
Valencia (AZ) .....	—	—	—	—	—	—	—	—	—
<b>Clarksdale (City of)</b> .....	—	—	<b>2,166</b>	—	—	—	—	—	<b>27</b>
South (MS) .....	—	—	2,166	—	—	—	—	—	27
Third St (MS) .....	—	—	—	—	—	—	—	—	—
<b>Cleveland (City of)</b> .....	—	<b>22</b>	<b>196</b>	—	—	—	—	*	<b>5</b>
Collinwood (OH) .....	—	2	42	—	—	—	—	*	1
Lake Road (OH) .....	—	—	—	—	—	—	—	—	—
West 41st Street (OH) .....	—	20	154	—	—	—	—	*	4
<b>Cleveland Elec Illum Co</b> .....	<b>696,166</b>	<b>2,238</b>	—	—	<b>775,071</b>	—	<b>285</b>	<b>4</b>	—
Ashtabula (OH) .....	58,115	136	—	—	—	—	26	*	—
Avon Lake (OH) .....	184,572	703	—	—	—	—	80	1	—
Eastlake (OH) .....	454,704	1,399	—	—	—	—	179	3	—
Lake Shore (OH) .....	-1,225	—	—	—	—	—	—	—	—
Perry (OH) .....	—	—	—	—	775,071	—	—	—	—
<b>Coffeyville (City of)</b> .....	—	—	<b>8,696</b>	—	—	—	—	—	<b>112</b>
Coffeyville (KS) .....	—	—	8,696	—	—	—	—	—	112
<b>Colorado Springs(City of)</b> .....	<b>226,906</b>	<b>800</b>	<b>5,193</b>	<b>9,998</b>	—	—	<b>115</b>	<b>2</b>	<b>74</b>
Drake, Martin (CO) .....	108,898	—	1,900	—	—	—	59	—	21
George Birdsal (CO) .....	—	100	1,833	—	—	—	—	*	34
Manitou (CO) .....	—	—	—	2,439	—	—	—	—	—
Ray D. Nixon (CO) .....	118,008	700	1,460	—	—	—	57	1	19
Ruxton (CO) .....	—	—	—	419	—	—	—	—	—
Tesla (CO) .....	—	—	—	7,140	—	—	—	—	—
<b>Columbia (City of)</b> .....	<b>1,816</b>	—	—	—	—	—	<b>1</b>	—	—
Columbia (MO) .....	1,816	—	—	—	—	—	1	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Columbus Southern Pwr Co.....</b>	<b>553,410</b>	<b>733</b>	—	—	—	—	<b>234</b>	<b>1</b>	—
Conesville (OH).....	539,687	715	—	—	—	—	227	1	—
Picway (OH).....	13,723	18	—	—	—	—	7	*	—
<b>Commonwealth Edison Co.....</b>	<b>2,237,002</b>	<b>9,156</b>	<b>94,890</b>	—	<b>6,909,467</b>	—	<b>1,339</b>	<b>17</b>	<b>1,507</b>
Bloom (IL).....	—	185	—	—	—	—	—	1	—
Braidwood (IL).....	—	—	—	—	1,650,861	—	—	—	—
Byron (IL).....	—	—	—	—	1,631,283	—	—	—	—
Calumet (IL).....	—	—	30	—	—	—	—	—	1
Collins (IL).....	—	—	73,932	—	—	—	—	—	1,268
Crawford (IL).....	213,900	1	2,719	—	—	—	129	*	34
Dresden (IL).....	—	—	—	—	1,118,878	—	—	—	—
Electric Junction (IL).....	—	—	739	—	—	—	—	—	17
Fisk Street (IL).....	86,481	46	1	—	—	—	50	*	*
Joliet (IL).....	168,166	16	1,020	—	—	—	93	*	18
Joliet 29 (IL).....	583,604	—	13,029	—	—	—	348	—	131
Lasalle (IL).....	—	—	—	—	1,394,628	—	—	—	—
Lombard (IL).....	—	—	454	—	—	—	—	—	8
Powerton (IL).....	724,601	—	517	—	—	—	444	—	6
Quad-cities (IL).....	—	—	—	—	1,113,817	—	—	—	—
Sabrooke (IL).....	—	23	—	—	—	—	—	*	—
Waukegan (IL).....	167,132	3,132	2,449	—	—	—	102	6	25
Will County (IL).....	293,118	5,753	—	—	—	—	174	10	—
<b>Connecticut Lgt &amp; Pwr Co.....</b>	—	<b>210,787</b>	<b>146,689</b>	<b>21,411</b>	—	<b>39,454</b>	—	<b>430</b>	<b>1,657</b>
Bantam (CT).....	—	—	—	102	—	—	—	—	—
Branford (CT).....	—	303	—	—	—	—	—	1	—
Bulls Bridge (CT).....	—	—	—	2,379	—	—	—	—	—
Cos Cob (CT).....	—	-18	—	—	—	—	—	—	—
Devon (CT).....	—	31,515	42,492	—	—	—	—	82	470
Falls Village (CT).....	—	—	—	2,370	—	—	—	—	—
Franklin (CT).....	—	332	—	—	—	—	—	1	—
Middletown (CT).....	—	37,738	100,551	—	—	—	—	70	1,141
Montville (CT).....	—	41,298	3,646	—	—	—	—	89	46
Norwalk Harbor (CT).....	—	99,186	—	—	—	—	—	187	—
Robertsville (CT).....	—	—	—	31	—	—	—	—	—
Rocky River (CT).....	—	—	—	1,076	—	—	—	—	—
Scotland (CT).....	—	—	—	142	—	—	—	—	—
Shepaug (CT).....	—	—	—	8,370	—	—	—	—	—
South Meadow (CT).....	—	-71	—	—	—	39,454	—	—	—
Stevenson (CT).....	—	—	—	6,362	—	—	—	—	—
Taftville (CT).....	—	—	—	246	—	—	—	—	—
Torrington (CT).....	—	203	—	—	—	—	—	1	—
Tunnel (CT).....	—	301	—	333	—	—	—	1	—
<b>Consol Edison Co N Y Inc.....</b>	—	<b>22,303</b>	<b>69,881</b>	—	<b>-15,070</b>	—	—	<b>53</b>	<b>894</b>
Arthur Kill (NY).....	—	—	—	—	—	—	—	—	—
Astoria (NY).....	—	—	—	—	—	—	—	—	—
Buchanan (NY).....	—	891	—	—	—	—	—	3	—
East River (NY).....	—	20,498	35,240	—	—	—	—	43	472
Gowanus (NY).....	—	—	—	—	—	—	—	—	—
Hudson Avenue (NY).....	—	633	—	—	—	—	—	2	—
Indian Point (NY).....	—	279	—	—	-15,070	—	—	1	—
Narrows (NY).....	—	—	—	—	—	—	—	—	—
Oil Storage (NY).....	—	—	—	—	—	—	—	—	—
Oil Storage (NY).....	—	—	—	—	—	—	—	—	—
Ravenswood (NY).....	—	—	—	—	—	—	—	—	—
Waterside (NY).....	—	—	34,641	—	—	—	—	—	422
59Th Street (NY).....	—	234	—	—	—	—	—	1	—
74Th Street (NY).....	—	-232	—	—	—	—	—	4	—
<b>Consumers Power Co.....</b>	<b>1,617,650</b>	<b>45,198</b>	<b>21,296</b>	<b>-54,912</b>	<b>559,570</b>	—	<b>753</b>	<b>99</b>	<b>310</b>
Alcona (MI).....	—	—	—	1,396	—	—	—	—	—
Allegan Dam (MI).....	—	—	—	422	—	—	—	—	—
Campbell, J H (MI).....	733,252	1,808	—	—	—	—	321	3	—
Cobb, B C (MI).....	185,815	—	637	—	—	—	96	—	9
Cooke (MI).....	—	—	—	1,431	—	—	—	—	—
Croton (MI).....	—	—	—	1,559	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Consumers Power Co</b>									
Five Channels (MI).....	—	—	—	1,359	—	—	—	—	—
Foote (MI).....	—	—	—	1,689	—	—	—	—	—
Gaylord (MI).....	—	—	434	—	—	—	—	—	3
Hardy (MI).....	—	—	—	3,400	—	—	—	—	—
Hodenpyl (MI).....	—	—	—	1,790	—	—	—	—	—
Karn, D E (MI).....	313,245	42,927	17,693	—	—	—	146	95	242
Loud (MI).....	—	—	—	1,058	—	—	—	—	—
Ludington (MI).....	—	—	—	-74,532	—	—	—	—	—
Mio (MI).....	—	—	—	772	—	—	—	—	—
Morrow, B E (MI).....	—	—	58	—	—	—	—	—	1
Palisades (MI).....	—	—	—	—	559,570	—	—	—	—
Rogers (MI).....	—	—	—	1,051	—	—	—	—	—
Straits (MI).....	—	—	—	—	—	—	—	—	*
Thetford (MI).....	—	—	1,551	—	—	—	—	—	45
Tippy, C W (MI).....	—	—	—	3,632	—	—	—	—	—
Weadock, J C (MI).....	202,006	—	923	—	—	—	102	—	10
Webber (MI).....	—	—	—	61	—	—	—	—	—
Whiting, J R (MI).....	183,332	463	—	—	—	—	88	1	—
<b>Cooperative Power Asso.....</b>	<b>746,221</b>	<b>3,838</b>	—	—	—	—	<b>650</b>	<b>7</b>	—
Bonifacius (MN).....	—	730	—	—	—	—	—	2	—
Coal Creek (ND).....	746,221	3,108	—	—	—	—	650	6	—
<b>Corn belt Power Coop.....</b>	<b>386</b>	—	—	—	—	—	*	—	*
Humboldt (IA).....	-18	—	—	—	—	—	—	—	—
Wisdom, Earl F (IA).....	404	—	—	—	—	—	*	—	*
<b>Dairyland Power Coop.....</b>	<b>324,775</b>	<b>614</b>	—	<b>2,724</b>	—	—	<b>166</b>	<b>2</b>	—
Alma (WI).....	50,241	83	—	—	—	—	27	*	—
Flambeau (WI).....	—	—	—	2,724	—	—	—	—	—
Genoa (WI).....	199,321	31	—	—	—	—	90	*	—
J P Madgett (WI).....	75,213	500	—	—	—	—	49	2	—
<b>Dayton Pwr &amp; Lgt Co (The).....</b>	<b>1,541,645</b>	<b>4,848</b>	<b>13,843</b>	—	—	—	<b>645</b>	<b>8</b>	<b>171</b>
Frank M Tait (OH).....	—	10	10,116	—	—	—	—	*	130
Hutchings (OH).....	52,817	—	3,645	—	—	—	24	—	39
Killen Station (OH).....	414,780	415	—	—	—	—	170	1	—
Monument (OH).....	—	10	—	—	—	—	—	*	—
Sidney (OH).....	—	11	—	—	—	—	—	*	—
Stuart, J M (OH).....	1,074,048	4,402	—	—	—	—	451	7	—
Yankee Street (OH).....	—	—	82	—	—	—	—	—	2
<b>Delmarva Power &amp; Light Co.....</b>	<b>217,825</b>	<b>25,143</b>	<b>167,781</b>	—	—	—	<b>101</b>	<b>47</b>	<b>1,563</b>
Bayview (VA).....	—	617	—	—	—	—	—	1	—
Christiana (DE).....	—	138	—	—	—	—	—	*	—
Crisfield (MD).....	—	544	—	—	—	—	—	1	—
Delaware City (DE).....	—	-2	—	—	—	—	—	—	—
Edge Moor (DE).....	37,938	10,093	50,317	—	—	—	16	18	633
Hay Road (DE).....	—	—	117,464	—	—	—	—	—	930
Indian River (DE).....	179,887	3,245	—	—	—	—	84	7	—
Madison Street (DE).....	—	-5	—	—	—	—	—	*	—
Tasley (VA).....	—	97	—	—	—	—	—	*	—
Vienna (MD).....	—	10,410	—	—	—	—	—	19	—
West Substation (DE).....	—	6	—	—	—	—	—	*	—
<b>Denton (City of).....</b>	—	—	<b>17,709</b>	<b>787</b>	—	—	—	—	<b>255</b>
Lewisdale (TX).....	—	—	—	391	—	—	—	—	—
Roberts (TX).....	—	—	—	396	—	—	—	—	—
Spencer (TX).....	—	—	17,709	—	—	—	—	—	255
<b>Deseret Gen &amp; Trans Coop.....</b>	<b>285,352</b>	<b>240</b>	—	—	—	—	<b>127</b>	<b>*</b>	—
Bonanza (UT).....	285,352	240	—	—	—	—	127	*	—
<b>Detroit (City of).....</b>	—	<b>892</b>	<b>24,256</b>	—	—	—	—	<b>6</b>	<b>314</b>
Mistersky (MI).....	—	892	24,256	—	—	—	—	6	314
<b>Detroit Edison Co (The).....</b>	<b>3,816,982</b>	<b>13,042</b>	<b>87,886</b>	—	<b>760,556</b>	—	<b>1,862</b>	<b>27</b>	<b>2,969</b>

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Detroit Edison Co (The)</b>									
Beacon Heating (MI).....	—	—	2,680	—	—	—	—	—	307
Belle River (MI).....	810,832	561	267	—	—	—	435	1	10
Central Storage (MI).....	—	—	—	—	—	—	—	—	—
Colfax (MI).....	—	33	—	—	—	—	—	1	—
Conners Creek (MI).....	—	12	5,957	—	—	—	—	*	152
Dayton (MI).....	—	18	—	—	—	—	—	*	—
Enrico Fermi (MI).....	—	48	—	—	760,556	—	—	1	—
Greenwood (MI).....	—	7,210	58,195	—	—	—	—	14	691
Hancock (MI).....	—	—	298	—	—	—	—	—	1
Harbor Beach (MI).....	13,535	145	—	—	—	—	7	*	—
Marysville (MI).....	—	-638	—	—	—	—	—	—	—
Monroe (MI).....	1,660,162	3,222	—	—	—	—	765	5	—
Northeast (MI).....	—	-19	-1,409	—	—	—	—	—	—
Oliver (MI).....	—	-14	—	—	—	—	—	*	—
Placid (MI).....	—	-16	—	—	—	—	—	*	—
Putnam (MI).....	—	-3	—	—	—	—	—	*	—
River Rouge (MI).....	276,400	4	20,488	—	—	—	117	*	1,793
Slocum (MI).....	—	-2	—	—	—	—	—	*	—
St. Clair (MI).....	688,496	1,733	1,410	—	—	—	356	3	15
Superior (MI).....	—	-25	—	—	—	—	—	*	—
Trenton Channel (MI).....	368,195	112	—	—	—	—	182	*	—
Wilmott (MI).....	—	23	—	—	—	—	—	*	—
<b>Douglas Pub Util Dist #1.....</b>	—	—	—	<b>359,724</b>	—	—	—	—	—
Wells (WA).....	—	—	—	359,724	—	—	—	—	—
<b>Dover (City of).....</b>	—	<b>1,644</b>	<b>24</b>	—	—	—	—	<b>3</b>	<b>2</b>
Mckee Run (DE).....	—	1,637	24	—	—	—	—	3	2
Van Sant (DE).....	—	7	—	—	—	—	—	*	—
<b>Dover (City of).....</b>	<b>6,515</b>	—	<b>537</b>	—	—	—	<b>4</b>	—	<b>8</b>
Dover (OH).....	6,515	—	537	—	—	—	4	—	8
<b>Duke Power Co.....</b>	<b>3,190,476</b>	<b>6,776</b>	<b>33,062</b>	<b>16,586</b>	<b>4,705,978</b>	—	<b>1,220</b>	<b>13</b>	<b>422</b>
Allen (NC).....	448,836	1,408	—	—	—	—	176	2	—
Bad Creek (SC).....	—	—	—	-49,770	—	—	—	—	—
Bear Creek (NC).....	—	—	—	562	—	—	—	—	—
Belews Creek (NC).....	1,365,677	1,488	—	—	—	—	508	2	—
Bridgewater (NC).....	—	—	—	1,182	—	—	—	—	—
Bryson (NC).....	—	—	—	135	—	—	—	—	—
Buck (NC).....	109,853	500	492	—	—	—	49	1	7
Buzzard Roost (SC).....	—	14	669	500	—	—	—	*	14
Catawba (NC).....	—	—	—	—	1,658,872	—	—	—	—
Cedar Cliff (NC).....	—	—	—	429	—	—	—	—	—
Cedar Creek (SC).....	—	—	—	2,439	—	—	—	—	—
Cliffside (NC).....	285,059	450	—	—	—	—	113	1	—
Cowans Ford (NC).....	—	—	—	4,175	—	—	—	—	—
Dan River (NC).....	54,390	18	244	—	—	—	24	1	5
Dearborn (SC).....	—	—	—	3,665	—	—	—	—	—
Dillsboro (NC).....	—	—	—	29	—	—	—	—	—
Fishing Creek (SC).....	—	—	—	3,056	—	—	—	—	—
Franklin (NC).....	—	—	—	-2	—	—	—	—	—
Gaston Shoals (SC).....	—	—	—	340	—	—	—	—	—
Great Falls (SC).....	—	—	—	—	—	—	—	—	—
Jocassee (SC).....	—	—	—	11,479	—	—	—	—	—
Keowee (SC).....	—	—	—	2,495	—	—	—	—	—
Lee (SC).....	42,284	600	197	—	—	—	19	1	4
Lincoln (NC).....	—	—	31,181	—	—	—	—	—	382
Lookout Shoals (NC).....	—	—	—	2,081	—	—	—	—	—
Marshall (NC).....	810,049	1,398	—	—	—	—	302	2	—
Mc Guire (NC).....	—	—	—	—	1,264,618	—	—	—	—
Mission (NC).....	—	—	—	—	—	—	—	—	—
Mountain Island (NC).....	—	—	—	2,080	—	—	—	—	—
Nantahala (NC).....	—	—	—	17,141	—	—	—	—	—
Oconee (SC).....	—	—	—	—	1,782,488	—	—	—	—
Oxford (NC).....	—	—	—	2,414	—	—	—	—	—
Queens Creek (NC).....	—	—	—	102	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Duke Power Co</b>									
Rhodhiss (NC) .....	—	—	—	1,405	—	—	—	—	—
Riverbend (NC) .....	74,328	900	279	—	—	—	30	2	11
Rocky Creek (SC) .....	—	—	—	14	—	—	—	—	—
Tennessee Creek (NC) .....	—	—	—	923	—	—	—	—	—
Thorpe (NC) .....	—	—	—	1,098	—	—	—	—	—
Tuckasegee (NC) .....	—	—	—	109	—	—	—	—	—
Tuxedo (NC) .....	—	—	—	315	—	—	—	—	—
Waterree (SC) .....	—	—	—	4,501	—	—	—	—	—
Wylie (SC) .....	—	—	—	2,951	—	—	—	—	—
99 Islands (SC) .....	—	—	—	738	—	—	—	—	—
<b>Duquesne Lgt Co</b> .....	<b>372,945</b>	<b>2,363</b>	<b>1,925</b>	—	<b>1,046,653</b>	—	<b>165</b>	<b>8</b>	<b>19</b>
Beaver Valley (PA) .....	—	—	—	—	1,046,653	—	—	—	—
Brunot Island (PA) .....	—	863	—	—	—	—	—	4	—
Cheswick (PA) .....	201,579	—	1,925	—	—	—	79	—	19
Elrama (PA) .....	171,366	1,500	—	—	—	—	86	4	—
Phillips, F (PA) .....	—	—	—	—	—	—	—	—	—
<b>East Kentucky Power Coop</b> .....	<b>711,756</b>	<b>579</b>	<b>13,800</b>	—	—	—	<b>286</b>	<b>1</b>	<b>175</b>
Cooper (KY) .....	161,809	152	—	—	—	—	65	*	—
Dale (KY) .....	29,338	263	—	—	—	—	15	1	—
Smith (KY) .....	—	20	13,800	—	—	—	—	*	175
Spurlock, H L (KY) .....	520,609	144	—	—	—	—	206	*	—
<b>El Paso Electric Co</b> .....	—	—	<b>285,827</b>	—	—	—	—	—	<b>3,085</b>
Copper (TX) .....	—	—	787	—	—	—	—	—	11
Newman (TX) .....	—	—	187,322	—	—	—	—	—	1,992
Rio Grande (NM) .....	—	—	97,718	—	—	—	—	—	1,082
<b>Electric Energy Inc</b> .....	<b>625,348</b>	—	<b>270</b>	—	—	—	<b>391</b>	—	<b>3</b>
Joppa Steam (IL) .....	625,348	—	270	—	—	—	391	—	3
<b>Empire District Elec Co</b> .....	<b>153,159</b>	<b>107</b>	<b>33,377</b>	<b>4,815</b>	—	—	<b>86</b>	<b>*</b>	<b>382</b>
Asbury (MO) .....	115,490	107	—	—	—	—	71	*	—
Energy Center (MO) .....	—	—	5,992	—	—	—	—	—	53
Ozark Beach (MO) .....	—	—	—	4,815	—	—	—	—	—
Riverton (KS) .....	37,669	—	1,778	—	—	—	15	—	28
State Line (MO) .....	—	—	25,607	—	—	—	—	—	300
<b>Energy Northwest</b> .....	—	—	—	<b>5,716</b>	<b>326,870</b>	—	—	—	—
Packwood (WA) .....	—	—	—	5,716	—	—	—	—	—
WNP-2 (WA) .....	—	—	—	—	326,870	—	—	—	—
<b>Eugene (City of)</b> .....	—	—	—	<b>31,954</b>	—	—	—	—	—
Carmen (OR) .....	—	—	—	18,146	—	—	—	—	—
Leaburg (OR) .....	—	—	—	8,315	—	—	—	—	—
Walterville (OR) .....	—	—	—	5,493	—	—	—	—	—
Willamette (OR) .....	—	—	—	—	—	—	—	—	—
<b>Fayetteville (City of)</b> .....	—	<b>3</b>	<b>11,568</b>	—	—	—	—	<b>*</b>	<b>148</b>
Pod #2 (NC) .....	—	3	11,568	—	—	—	—	*	148
<b>Florida Power &amp; Light Co</b> .....	—	<b>2,317,524</b>	<b>2,469,032</b>	—	<b>1,929,021</b>	—	—	<b>3,723</b>	<b>20,524</b>
Cape Canaveral (FL) .....	—	199,704	135,198	—	—	—	—	310	1,291
Cutler (FL) .....	—	—	58,084	—	—	—	—	—	651
Fort Meyers (FL) .....	—	281,523	—	—	—	—	—	446	—
Lauderdale (FL) .....	—	—	617,309	—	—	—	—	—	4,494
Manatee (FL) .....	—	525,350	—	—	—	—	—	875	—
Martin (FL) .....	—	263,497	980,197	—	—	—	—	416	7,603
Port Everglades (FL) .....	—	423,159	103,669	—	—	—	—	669	1,137
Putnam (FL) .....	—	—	267,985	—	—	—	—	—	2,356
Riviera (FL) .....	—	196,934	70,750	—	—	—	—	317	716
Sanford (FL) .....	—	248,094	67,778	—	—	—	—	416	661
St. Lucie (FL) .....	—	—	—	—	904,509	—	—	—	—
Turkey Point (FL) .....	—	179,263	168,062	—	1,024,512	—	—	274	1,615
<b>Florida Power Corporation</b> .....	<b>1,304,595</b>	<b>540,875</b>	<b>626,684</b>	—	<b>546,651</b>	—	<b>493</b>	<b>905</b>	<b>5,477</b>

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Florida Power Corporation</b>										
Anclote (FL).....	—	282,076	87,242	—	—	—	—	—	442	852
Avon Park (FL).....	—	806	2,476	—	—	—	—	—	2	41
Bartow Nth (FL).....	—	—	—	—	—	—	—	—	—	—
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—
Bartow, P L (FL).....	—	173,039	24,834	—	—	—	—	—	272	301
Bayboro (FL).....	—	14,332	—	—	—	—	—	—	34	—
Crystal River (FL).....	1,304,595	4,518	—	—	—	546,651	—	493	7	—
Debary (FL).....	—	23,949	30,473	—	—	—	—	—	58	372
Higgins (FL).....	—	—	6,747	—	—	—	—	—	—	108
Hines Energy (FL).....	—	—	271,032	—	—	—	—	—	—	1,892
Intercession City (FL).....	—	14,831	42,018	—	—	—	—	—	33	527
Port St. Joe (FL).....	—	—	—	—	—	—	—	—	—	—
Rio Pinar (FL).....	—	373	—	—	—	—	—	—	1	—
Suwannee River (FL).....	—	23,097	22,195	—	—	—	—	—	44	251
Tiger Bay (FL).....	—	—	120,133	—	—	—	—	—	—	910
Turner, G E (FL).....	—	3,854	—	—	—	—	—	—	10	—
Univ Proj (FL).....	—	—	19,534	—	—	—	—	—	—	222
<b>Fort Pierce (City of).....</b>	<b>—</b>	<b>5,494</b>	<b>13,048</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>11</b>	<b>164</b>
King (FL).....	—	5,494	13,048	—	—	—	—	—	11	164
<b>Fremont (City of).....</b>	<b>29,199</b>	<b>15</b>	<b>446</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>20</b>	<b>*</b>	<b>5</b>
Lon Wright (NE).....	29,199	15	446	—	—	—	—	20	*	5
<b>Gainesville (City of).....</b>	<b>67,728</b>	<b>4,820</b>	<b>55,276</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>28</b>	<b>9</b>	<b>686</b>
Deerhaven (FL).....	67,728	2,230	39,337	—	—	—	—	28	4	475
Kelly, J R (FL).....	—	2,590	15,939	—	—	—	—	—	5	211
<b>Garland Mun Utils (City).....</b>	<b>—</b>	<b>—</b>	<b>87,730</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,009</b>
Newman, C E (TX).....	—	—	992	—	—	—	—	—	—	15
Olinger, Ray (TX).....	—	—	86,738	—	—	—	—	—	—	994
<b>Georgia Power Co.....</b>	<b>6,564,104</b>	<b>21,863</b>	<b>88,533</b>	<b>87,573</b>	<b>2,917,911</b>	<b>—</b>	<b>—</b>	<b>2,721</b>	<b>51</b>	<b>919</b>
Arkwright (GA).....	18,616	—	15,594	—	—	—	—	10	—	162
Atkinson (GA).....	—	120	962	—	—	—	—	—	*	15
Barnett Shoals (GA).....	—	—	—	90	—	—	—	—	—	—
Bartlett Ferry (GA).....	—	—	—	16,944	—	—	—	—	—	—
Bowen (GA).....	1,797,298	890	—	—	—	—	—	684	2	—
Burton (GA).....	—	—	—	384	—	—	—	—	—	—
Estatooah (GA).....	—	—	—	—	—	—	—	—	—	—
Flint River (GA).....	—	—	—	1,096	—	—	—	—	—	—
Goat Rock (GA).....	—	—	—	7,405	—	—	—	—	—	—
Hammond (GA).....	387,532	300	—	—	—	—	—	135	1	—
Harlee Branch (GA).....	663,473	200	—	—	—	—	—	269	*	—
Hatch, Edwin I. (GA).....	—	—	—	—	1,256,609	—	—	—	—	—
Langdale (GA).....	—	—	—	264	—	—	—	—	—	—
Lloyd Shoals (GA).....	—	—	—	758	—	—	—	—	—	—
Mcdonough, J (GA).....	282,030	51	21,258	—	—	—	—	107	*	213
Mcmanus (GA).....	—	17,057	—	—	—	—	—	—	38	—
Mitchell, W (GA).....	37,974	638	—	—	—	—	—	17	2	—
Morgan Falls (GA).....	—	—	—	2,464	—	—	—	—	—	—
Nacoochee (GA).....	—	—	—	250	—	—	—	—	—	—
North Highlands (GA).....	—	—	—	4,676	—	—	—	—	—	—
Oliver Dam (GA).....	—	—	—	8,236	—	—	—	—	—	—
Riverview (GA).....	—	—	—	88	—	—	—	—	—	—
Robins (GA).....	—	1,200	8,419	—	—	—	—	—	3	100
Scherer (GA).....	1,890,544	300	—	—	—	—	—	918	1	—
Sinclair Dam (GA).....	—	—	—	352	—	—	—	—	—	—
Tallulah Falls (GA).....	—	—	—	82	—	—	—	—	—	—
Terrora (GA).....	—	—	—	568	—	—	—	—	—	—
Tugalo (GA).....	—	—	—	1,516	—	—	—	—	—	—
Vogtle (GA).....	—	—	—	—	1,661,302	—	—	—	—	—
Wallace Dam (GA).....	—	—	—	41,990	—	—	—	—	—	—
Wansley (GA).....	968,002	400	—	—	—	—	—	375	1	—
Wilson (GA).....	—	507	—	—	—	—	—	—	2	—
Yates (GA).....	518,635	200	42,300	—	—	—	—	206	*	430
Yonah (GA).....	—	—	—	410	—	—	—	—	—	—

See footnotes at end of table.



**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Glendale (City of)</b> .....	—	—	<b>17,789</b>	—	—	—	—	—	<b>239</b>
Grayson (CA).....	—	—	17,789	—	—	—	—	—	239
<b>Golden Valley Elec Assn</b> .....	<b>7,654</b>	<b>26,290</b>	—	—	—	—	<b>7</b>	<b>52</b>	—
Chena (AK).....	—	-9	—	—	—	—	—	—	—
Fairbanks (AK).....	—	948	—	—	—	—	—	3	—
Healy (AK).....	7,654	200	—	—	—	—	7	*	—
North Pole (AK).....	—	25,151	—	—	—	—	—	48	—
<b>Grand Haven (City of)</b> .....	<b>30,042</b>	<b>4</b>	—	—	—	—	<b>16</b>	<b>*</b>	—
Harbor Avenue (MI).....	—	4	—	—	—	—	—	*	—
J B Simms (MI).....	30,042	—	—	—	—	—	16	—	—
<b>Grand Island (City of)</b> .....	<b>44,903</b>	—	<b>1,468</b>	—	—	—	<b>30</b>	—	<b>19</b>
Burdick, C W (NE).....	—	—	1,468	—	—	—	—	—	19
Platte (NE).....	44,903	—	—	—	—	—	30	—	—
<b>Grand River Dam Authority</b> .....	<b>540,783</b>	<b>1</b>	<b>1,700</b>	<b>609</b>	—	—	<b>330</b>	<b>*</b>	<b>18</b>
GRDA No 1 (OK).....	540,783	1	1,700	—	—	—	330	*	18
Markham (OK).....	—	—	—	3,268	—	—	—	—	—
Pensacola (OK).....	—	—	—	7,203	—	—	—	—	—
Salina (OK).....	—	—	—	-9,862	—	—	—	—	—
<b>Grant Pub Util Dist # 2</b> .....	—	—	—	<b>873,387</b>	—	—	—	—	—
Pec Hdws (WA).....	—	—	—	2,127	—	—	—	—	—
Priest Rapids (WA).....	—	—	—	430,732	—	—	—	—	—
Quincy Chut (WA).....	—	—	—	4,023	—	—	—	—	—
Wanapum (WA).....	—	—	—	436,505	—	—	—	—	—
<b>Green Mountain Power Corp</b> .....	—	<b>1,475</b>	—	<b>6,479</b>	—	<b>628</b>	—	<b>4</b>	—
Berlin (VT).....	—	1,269	—	—	—	—	—	3	—
Bolton Falls (VT).....	—	—	—	1,348	—	—	—	—	—
Carthusians (VT).....	—	—	—	—	—	—	—	—	—
Colchester (VT).....	—	78	—	—	—	—	—	*	—
Essex Junction 19 (VT).....	—	119	—	1,704	—	—	—	*	—
Gorge 18 (VT).....	—	—	—	519	—	—	—	—	—
Marshfield 6 (VT).....	—	—	—	542	—	—	—	—	—
Middlesex 2 (VT).....	—	—	—	715	—	—	—	—	—
Searsburg (VT).....	—	—	—	—	—	628	—	—	—
Vergennes 9 (VT).....	—	9	—	348	—	—	—	*	—
Waterbury 22 (VT).....	—	—	—	1,029	—	—	—	—	—
West Danville 15 (VT).....	—	—	—	274	—	—	—	—	—
<b>Greenville (City of)</b> .....	—	—	—	—	—	—	—	—	—
Steam (TX).....	—	—	—	—	—	—	—	—	—
Steam (TX).....	—	—	—	—	—	—	—	—	—
<b>Gulf Power Company</b> .....	<b>727,803</b>	<b>732</b>	<b>20,997</b>	—	—	—	<b>313</b>	<b>2</b>	<b>284</b>
Crist (FL).....	496,643	100	20,997	—	—	—	214	*	284
Scholz (FL).....	26,484	20	—	—	—	—	14	*	—
Smith (FL).....	204,676	612	—	—	—	—	84	2	—
<b>Gulf States Utilities Co</b> .....	<b>308,750</b>	<b>289</b>	<b>1,592,701</b>	<b>7,419</b>	<b>670,528</b>	—	<b>187</b>	<b>1</b>	<b>16,997</b>
Lewis Creek (TX).....	—	—	308,194	—	—	—	—	—	3,140
Louisiana 1 (LA).....	—	—	—	—	—	—	—	—	—
Louisiana 2 (LA).....	—	—	—	—	—	—	—	—	—
Neches (TX).....	—	—	—	—	—	—	—	—	—
Nelson, R S (LA).....	308,750	190	216,175	—	—	—	187	*	2,415
River Bend (LA).....	—	—	—	—	670,528	—	—	—	—
Sabine (TX).....	—	2	668,626	—	—	—	—	*	6,927
Toledo Bend (TX).....	—	—	—	7,419	—	—	—	—	—
Willow Glen (LA).....	—	97	399,706	—	—	—	—	*	4,514
<b>GPU Nuclear Corp</b> .....	—	—	—	—	<b>624,201</b>	—	—	—	—
Oyster Creek (NJ).....	—	—	—	—	439,912	—	—	—	—
Three Mile Island (PA).....	—	—	—	—	184,289	—	—	—	—
<b>Hamilton (City of)</b> .....	<b>37,354</b>	<b>10</b>	<b>1,261</b>	<b>12,716</b>	—	—	<b>20</b>	<b>*</b>	<b>19</b>

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Hamilton (City of)</b>									
Hamilton (OH).....	37,354	10	1,261	—	—	—	20	*	19
Hamilton Hydro (OH).....	—	—	—	—	—	—	—	—	—
Vanceburg Hydro (KY).....	—	—	—	12,716	—	—	—	—	—
<b>Hastings (City of)</b>	<b>41,388</b>	<b>13</b>	<b>-19</b>	—	—	—	<b>28</b>	<b>*</b>	<b>3</b>
Don Henry (NE).....	—	—	15	—	—	—	—	—	1
North Denver (NE).....	—	—	-34	—	—	—	—	—	2
Whelan (NE).....	41,388	13	—	—	—	—	28	*	—
<b>Hawaiian Elec Co Inc</b> .....	—	<b>360,868</b>	—	—	—	—	—	<b>623</b>	—
Honolulu (HI).....	—	23,258	—	—	—	—	—	48	—
Kahe (HI).....	—	247,787	—	—	—	—	—	406	—
Oil Storage (CA).....	—	—	—	—	—	—	—	—	—
Waiau (HI).....	—	89,823	—	—	—	—	—	170	—
<b>Hetch Hetchy Water &amp; Pwr</b> .....	—	—	—	<b>84,771</b>	—	—	—	—	—
Holm, Dion R (CA).....	—	—	—	23,550	—	—	—	—	—
Kirkwood, Robert C (CA).....	—	—	—	32,723	—	—	—	—	—
Moccasin (CA).....	—	—	—	28,497	—	—	—	—	—
Moccasin Low (CA).....	—	—	—	1	—	—	—	—	—
<b>Holland (City of)</b> .....	<b>18,250</b>	<b>4</b>	<b>-8</b>	—	—	—	<b>9</b>	<b>*</b>	<b>*</b>
James De Young (MI).....	18,250	1	-6	—	—	—	9	*	*
48 Street (MI).....	—	3	-2	—	—	—	—	*	*
6Th Street (MI).....	—	—	—	—	—	—	—	—	—
<b>Holyoke Wtr Pwr Co</b> .....	<b>53,199</b>	<b>43</b>	—	<b>9,477</b>	—	—	<b>20</b>	<b>*</b>	—
Boatlock (MA).....	—	—	—	646	—	—	—	—	—
Chemical (MA).....	—	—	—	118	—	—	—	—	—
Hadley Falls (MA).....	—	—	—	7,258	—	—	—	—	—
Holbrook, Beebe (MA).....	—	—	—	95	—	—	—	—	—
Mt Tom (MA).....	53,199	43	—	—	—	—	20	*	—
Riverside (MA).....	—	—	—	1,285	—	—	—	—	—
Skinner (MA).....	—	—	—	75	—	—	—	—	—
<b>Homestead (City of)</b> .....	—	<b>881</b>	<b>7,929</b>	—	—	—	—	<b>1</b>	<b>79</b>
G W Ivey (FL).....	—	881	7,929	—	—	—	—	1	79
<b>Hoosier Energy Rural</b> .....	<b>798,860</b>	<b>197</b>	—	—	—	—	<b>365</b>	<b>*</b>	—
Merom (IN).....	664,104	142	—	—	—	—	303	*	—
Ratts (IN).....	134,756	55	—	—	—	—	62	*	—
<b>Hutchinson (City of)</b> .....	—	<b>29</b>	<b>128</b>	—	—	—	—	<b>*</b>	<b>1</b>
Plant No. 1 (MN).....	—	29	128	—	—	—	—	*	1
Plant No. 2 (MN).....	—	—	—	—	—	—	—	—	—
<b>Idaho Power Co</b> .....	—	<b>14</b>	—	<b>624,445</b>	—	—	—	<b>*</b>	—
American Falls (ID).....	—	—	—	40,325	—	—	—	—	—
Bliss (ID).....	—	—	—	32,679	—	—	—	—	—
Brownlee (ID).....	—	—	—	165,531	—	—	—	—	—
Cascade (ID).....	—	—	—	4,874	—	—	—	—	—
Clear Lake (ID).....	—	—	—	1,172	—	—	—	—	—
Hells Canyon (OR).....	—	—	—	155,206	—	—	—	—	—
Lower Malad (ID).....	—	—	—	9,560	—	—	—	—	—
Lower Salmon (ID).....	—	—	—	23,369	—	—	—	—	—
Milner (ID).....	—	—	—	8,360	—	—	—	—	—
Oxbow (OR).....	—	—	—	80,819	—	—	—	—	—
Salmon (ID).....	—	14	—	—	—	—	—	*	—
Shoshone Falls (ID).....	—	—	—	9,854	—	—	—	—	—
Strike, C J (ID).....	—	—	—	37,150	—	—	—	—	—
Swan Falls (ID).....	—	—	—	9,951	—	—	—	—	—
Thousand Springs (ID).....	—	—	—	4,875	—	—	—	—	—
Twin Falls (ID).....	—	—	—	12,027	—	—	—	—	—
Upper Malad (ID).....	—	—	—	5,460	—	—	—	—	—
Upper Salmon (ID).....	—	—	—	11,075	—	—	—	—	—
Upper Salmon (ID).....	—	—	—	12,158	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Illinois Power Co.</b> .....	<b>1,261,558</b>	<b>1,100</b>	<b>16,784</b>	—	<b>670,211</b>	—	<b>607</b>	<b>3</b>	<b>216</b>
Baldwin (IL).....	931,718	500	—	—	—	—	447	1	—
Clinton (IL).....	—	—	—	—	670,211	—	—	—	—
Havana (IL).....	90,857	600	—	—	—	—	45	2	—
Hennepin (IL).....	46,506	—	2,100	—	—	—	21	—	26
Oglesby (IL).....	—	—	296	—	—	—	—	—	5
Stallings (IL).....	—	—	46	—	—	—	—	—	2
Tipton (MO).....	—	—	11,768	—	—	—	—	—	112
Vermilion (IL).....	43,588	—	2,100	—	—	—	24	—	22
Wood River (IL).....	148,889	—	474	—	—	—	70	—	48
<b>Imperial Irrigation Dist.</b> .....	—	<b>4</b>	<b>69,197</b>	<b>29,396</b>	—	—	—	*	<b>722</b>
Brawley (CA).....	—	—	—	—	—	—	—	—	—
Coachella (CA).....	—	4	1,196	—	—	—	—	*	2
Double Weir (CA).....	—	—	—	—	—	—	—	—	—
Drop No 1 (CA).....	—	—	—	1,648	—	—	—	—	—
Drop No. 5 (CA).....	—	—	—	1,446	—	—	—	—	—
Drop 2 (CA).....	—	—	—	4,605	—	—	—	—	—
Drop 3 (CA).....	—	—	—	4,355	—	—	—	—	—
Drop 4 (CA).....	—	—	—	9,048	—	—	—	—	—
E Highline (CA).....	—	—	—	497	—	—	—	—	—
El Centro (CA).....	—	—	67,385	—	—	—	—	—	712
Pilot Knob (CA).....	—	—	—	7,686	—	—	—	—	—
Rockwood (CA).....	—	—	616	—	—	—	—	—	8
Turnip (CA).....	—	—	—	111	—	—	—	—	—
<b>Independence (City of)</b> .....	<b>18,759</b>	<b>96</b>	<b>5,871</b>	—	—	—	<b>13</b>	*	<b>82</b>
Blue Valley (MO).....	16,453	—	5,288	—	—	—	12	—	72
Jackson Square (MO).....	—	14	—	—	—	—	—	*	—
Missouri City (MO).....	2,306	23	—	—	—	—	2	*	—
Station H (MO).....	—	—	583	—	—	—	—	—	10
Station I (MO).....	—	59	—	—	—	—	—	*	—
<b>Indiana Michigan Power Co.</b> .....	<b>2,109,263</b>	<b>2,277</b>	—	<b>3,298</b>	—	—	<b>1,098</b>	<b>4</b>	—
Berrien Springs (MI).....	—	—	—	1,296	—	—	—	—	—
Buchanan (MI).....	—	—	—	677	—	—	—	—	—
Constantine (MI).....	—	—	—	126	—	—	—	—	—
Cook, Donald C. (MI).....	—	—	—	—	—	—	—	—	—
Elkhart (IN).....	—	—	—	—	—	—	—	—	—
Fourth Street (IN).....	—	—	—	—	—	—	—	—	—
Mottville (MI).....	—	—	—	116	—	—	—	—	—
Rockport (IN).....	1,643,133	1,624	—	—	—	—	908	3	—
Tanners Creek (IN).....	466,130	653	—	—	—	—	190	1	—
Twin Branch (IN).....	—	—	—	1,083	—	—	—	—	—
<b>Indiana Mun Power Agency</b> .....	—	<b>2</b>	<b>1,035</b>	—	—	—	—	*	<b>15</b>
Anderson (IN).....	—	2	1,035	—	—	—	—	*	15
<b>Indiana-Kentucky El Corp</b> .....	<b>587,951</b>	<b>443</b>	—	—	—	—	<b>309</b>	<b>1</b>	—
Clifty Creek (IN).....	587,951	443	—	—	—	—	309	1	—
<b>Indianapolis Pwr &amp; Lgt Co</b> .....	<b>1,230,438</b>	<b>3,172</b>	<b>1,008</b>	—	—	—	<b>588</b>	<b>7</b>	—
Perry K (IN).....	296	—	1,008	—	—	—	*	—	—
Petersburg (IN).....	832,987	1,240	—	—	—	—	397	2	—
Pritchard, H T (IN).....	88,516	1,143	—	—	—	—	47	2	—
Stout, Elmer W (IN).....	308,639	789	—	—	—	—	144	2	—
<b>International Bound &amp; Water</b>									
Comm.....	—	—	—	<b>11,854</b>	—	—	—	—	—
Amistad (TX).....	—	—	—	3,244	—	—	—	—	—
Falcon (TX).....	—	—	—	8,610	—	—	—	—	—
<b>Interstate Power Co</b> .....	<b>226,740</b>	<b>683</b>	<b>1,944</b>	—	—	—	<b>143</b>	<b>2</b>	<b>24</b>
Dubuque (IA).....	27,559	-2	97	—	—	—	15	*	1
Fox Lake (MN).....	—	148	1,601	—	—	—	—	*	19
Hills (MN).....	—	5	—	—	—	—	—	*	—
Kapp, M L (IA).....	55,651	—	246	—	—	—	35	—	4
Lansing (IA).....	143,530	138	—	—	—	—	93	*	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Interstate Power Co</b>									
Lime Creek (IA) .....	—	406	—	—	—	—	—	1	—
Montgomery (MN).....	—	-9	—	—	—	—	—	—	—
New Albin (IA).....	—	-3	—	—	—	—	—	—	—
Rushford (MN).....	—	—	—	—	—	—	—	—	—
<b>IES Utilities Co.....</b>	<b>603,435</b>	<b>2,109</b>	<b>21,343</b>	<b>357</b>	<b>310,741</b>	<b>2,074</b>	<b>381</b>	<b>5</b>	<b>287</b>
Ames (IA) .....	—	3	—	—	—	—	—	*	—
Anamosa (IA).....	—	—	—	-5	—	—	—	—	—
Arnold, Duane (IA).....	—	—	—	—	310,741	—	—	—	—
Burlington (IA) .....	108,388	—	624	—	—	—	70	—	8
Centerville (IA).....	—	20	—	—	—	—	—	*	—
Grinnell (IA) .....	—	—	-15	—	—	—	—	—	*
Iowa Falls (IA).....	—	—	—	-1	—	—	—	—	—
Maquoketa (IA).....	—	—	—	363	—	—	—	—	—
Marshalltown (IA) .....	—	2,044	—	—	—	—	—	5	—
Ottumwa (IA).....	331,038	36	—	—	—	—	209	*	—
Prairie Creek (IA).....	71,626	6	9,851	—	—	—	43	*	99
Sutherland (IA) .....	81,635	—	4,158	—	—	—	50	—	48
6Th Street (IA).....	10,748	—	6,725	—	—	2,074	11	—	132
<b>Jacksonville (City of) .....</b>	<b>760,828</b>	<b>301,521</b>	<b>141,229</b>	—	—	—	<b>297</b>	<b>340</b>	<b>1,432</b>
Kennedy, J D (FL).....	—	13,109	3,100	—	—	—	—	26	31
Northside (FL) .....	—	162,054	95,560	—	—	—	—	282	927
Southside (FL) .....	—	9,293	42,569	—	—	—	—	17	474
St. Johns River.....	760,828	117,065	—	—	—	—	297	14	—
<b>Jamestown (City of) .....</b>	<b>10,438</b>	<b>14</b>	—	—	—	—	<b>6</b>	<b>*</b>	—
Carlson, S A (NY).....	10,438	14	—	—	—	—	6	*	—
<b>Jersey Central Power&amp;Light</b>									
Co.....	—	<b>6,745</b>	<b>22,986</b>	<b>-13,681</b>	—	—	—	<b>19</b>	<b>305</b>
Forked River (NJ).....	—	484	702	—	—	—	—	2	8
Gardner, Glen (NJ) .....	—	—	765	—	—	—	—	—	8
Gilbert (NJ) .....	—	6,278	22,311	—	—	—	—	17	290
Sayreville (NJ) .....	—	—	-792	—	—	—	—	—	—
Werner (NJ) .....	—	-17	—	—	—	—	—	*	—
Yards Creek (NJ).....	—	—	—	-13,681	—	—	—	—	—
<b>Kansas City (City of).....</b>	<b>162,843</b>	<b>559</b>	<b>3,362</b>	—	—	—	<b>106</b>	<b>2</b>	<b>72</b>
Kaw (KS) .....	—	—	356	—	—	—	—	—	6
Nearman Creek (KS) .....	61,577	394	—	—	—	—	43	1	—
Quindaro (KS).....	101,266	165	3,006	—	—	—	63	1	66
<b>Kansas City Pwr &amp; Lgt Co .....</b>	<b>1,439,731</b>	<b>11,327</b>	<b>7,166</b>	—	—	—	<b>917</b>	<b>26</b>	<b>58</b>
Grand Ave (MO) .....	—	—	—	—	—	—	—	—	—
Hawthorn (MO) .....	—	—	7,166	—	—	—	—	—	58
Iatan (MO) .....	430,403	137	—	—	—	—	252	*	—
La Cygne (KS).....	784,046	1,885	—	—	—	—	518	4	—
Montrose (MO).....	225,282	2,066	—	—	—	—	147	4	—
Northeast (MO).....	—	7,239	—	—	—	—	—	18	—
<b>Kauai Electric Company .....</b>	—	<b>28,985</b>	—	—	—	—	—	<b>53</b>	—
Port Allen (HI).....	—	28,985	—	—	—	—	—	53	—
<b>Kentucky Power Co .....</b>	<b>423,840</b>	<b>602</b>	—	—	—	—	<b>166</b>	<b>1</b>	—
Big Sandy (KY).....	423,840	602	—	—	—	—	166	1	—
<b>Kentucky Utilities Co.....</b>	<b>1,421,166</b>	<b>773</b>	<b>24,379</b>	<b>-7</b>	—	—	<b>605</b>	<b>4</b>	<b>287</b>
Brown, E W (KY) .....	349,368	39	24,379	—	—	—	144	*	287
Dix Dam (KY).....	—	—	—	-5	—	—	—	—	—
Ghent (KY) .....	968,854	600	—	—	—	—	406	3	—
Green River (KY).....	78,005	62	—	—	—	—	42	*	—
Haefling (KY) .....	—	—	—	—	—	—	—	—	—
Lock 7 (KY).....	—	—	—	-2	—	—	—	—	—
Pineville (KY).....	8,571	2	—	—	—	—	5	*	—
Tyrone (KY).....	16,368	70	—	—	—	—	8	*	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>KeySpan Energy</b> .....		—	<b>280,148</b>	<b>800,447</b>	—	—	—	—	<b>497</b>	<b>8,601</b>
Barrett, E F (NY).....		—	6	191,733	—	—	—	—	*	2,035
Brookhaven (NY).....		—	11,465	—	—	—	—	—	26	—
East Hampton (NY).....		—	624	—	—	—	—	—	2	—
Far Rockway (NY).....		—	—	44,430	—	—	—	—	—	492
Glenwood (NY).....		—	443	86,784	—	—	—	—	1	995
Holbrook (NY).....		—	11,271	—	—	—	—	—	34	—
Montauk (NY).....		—	378	—	—	—	—	—	1	—
Northport (NY).....		—	244,476	387,195	—	—	—	—	410	4,124
Port Jefferson (NY).....		—	10,126	90,305	—	—	—	—	17	956
Shoreham (NY).....		—	-5	—	—	—	—	—	—	—
Southampton (NY).....		—	1,149	—	—	—	—	—	4	—
Southold (NY).....		—	217	—	—	—	—	—	1	—
West Babylon (NY).....		—	-2	—	—	—	—	—	—	—
<b>Kings River Conserv Dist</b> .....		—	—	—	<b>14,651</b>	—	—	—	—	—
Pine Flat (CA).....		—	—	—	14,651	—	—	—	—	—
<b>Kissimmee (City of)</b> .....		—	<b>52</b>	<b>38,150</b>	—	—	—	—	*	<b>305</b>
Cane Island (FL).....		—	14	38,078	—	—	—	—	*	303
Kissimmee (FL).....		—	38	72	—	—	—	—	*	2
<b>KG&amp;E - Western Resources</b> .....		—	—	<b>49,720</b>	—	—	—	—	—	<b>582</b>
Evans, Gordon (KS).....		—	—	35,404	—	—	—	—	—	392
Gill, Murray (KS).....		—	—	14,316	—	—	—	—	—	190
Neosho (KS).....		—	—	—	—	—	—	—	—	—
<b>KPL - Western Resources</b> .....	<b>1,319,686</b>	<b>540</b>	<b>9,364</b>	—	—	—	—	<b>845</b>	<b>1</b>	<b>127</b>
Abilene (KS).....	—	—	185	—	—	—	—	—	—	6
Hutchinson (KS).....	—	67	4,849	—	—	—	—	—	*	42
Jeffrey (KS).....	1,042,779	473	—	—	—	—	690	1	—	—
Lawrence (KS).....	177,414	—	2,825	—	—	—	97	—	—	37
Tecumseh (KS).....	99,493	—	1,505	—	—	—	58	—	—	42
<b>Lafayette Util Sys (City)</b> .....	—	—	<b>70,754</b>	—	—	—	—	—	—	<b>731</b>
Doc Bonin (LA).....	—	—	70,761	—	—	—	—	—	—	731
Rodemacher (LA).....	—	—	-7	—	—	—	—	—	—	—
<b>Lake Worth (City of)</b> .....	—	<b>790</b>	<b>23,008</b>	—	—	—	—	—	<b>2</b>	<b>259</b>
Smith, Tom G (FL).....	—	790	23,008	—	—	—	—	—	2	259
<b>Lakeland (City of)</b> .....	<b>214,638</b>	<b>20,648</b>	<b>101,450</b>	—	—	—	<b>2,876</b>	<b>78</b>	<b>5</b>	<b>1,143</b>
Larsen Memorial (FL).....	—	37	45,402	—	—	—	—	—	*	494
Mcintosh, C D (FL).....	214,638	20,611	56,048	—	—	—	2,876	78	5	649
<b>Lansing (City of)</b> .....	<b>201,105</b>	<b>324</b>	—	<b>1</b>	—	—	—	<b>113</b>	<b>1</b>	—
Eckert Station (MI).....	120,532	229	—	—	—	—	—	81	1	—
Erickson (MI).....	80,573	95	—	—	—	—	—	33	*	—
Moores Park (MI).....	—	—	—	1	—	—	—	—	—	—
<b>Lincoln (City of)</b> .....	—	<b>8</b>	<b>2,659</b>	—	—	—	—	—	*	<b>33</b>
Lincoln J Street (NE).....	—	—	89	—	—	—	—	—	—	1
Rokeby (NE).....	—	8	2,570	—	—	—	—	—	*	32
<b>Logansport (City of)</b> .....	<b>13,679</b>	—	—	—	—	—	—	<b>8</b>	—	—
Logansport (IN).....	13,679	—	—	—	—	—	—	8	—	—
<b>Los Angeles (City of)</b> .....	<b>1,146,974</b>	<b>405</b>	<b>530,970</b>	<b>79,839</b>	—	—	<b>10,043</b>	<b>461</b>	<b>1</b>	<b>5,255</b>
Big Pine Creek (CA).....	—	—	—	1,549	—	—	—	—	—	—
Castaic (CA).....	—	—	—	-21,119	—	—	—	—	—	—
Control Gorge (CA).....	—	—	—	17,392	—	—	—	—	—	—
Cottonwood (CA).....	—	—	—	257	—	—	—	—	—	—
Division Creek (CA).....	—	—	—	455	—	—	—	—	—	—
Foothill (CA).....	—	—	—	3,747	—	—	—	—	—	—
Franklin Canyon (CA).....	—	—	—	1,294	—	—	—	—	—	—
Haiwee (CA).....	—	—	—	2,235	—	—	—	—	—	—
Harbor (CA).....	—	—	67,339	—	—	—	—	—	—	514
Haynes (CA).....	—	—	269,422	—	—	—	—	—	—	2,767

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Los Angeles (City of)</b>									
Intermountain (UT).....	1,146,974	405	—	—	—	—	461	1	—
Middle Gorge (CA).....	—	—	—	17,558	—	—	—	—	—
Pleasant Valley (CA).....	—	—	—	1,389	—	—	—	—	—
San Fernando (CA).....	—	—	—	4,111	—	—	—	—	—
San Francisquito 1 (CA).....	—	—	—	22,807	—	—	—	—	—
San Francisquito 2 (CA).....	—	—	—	9,835	—	—	—	—	—
Sawtelle (CA).....	—	—	—	333	—	—	—	—	—
Scattergood (CA).....	—	—	192,104	—	—	10,043	—	—	1,929
Upper Gorge (CA).....	—	—	—	17,996	—	—	—	—	—
Valley (CA).....	—	—	2,105	—	—	—	—	—	46
<b>Louisiana Pwr &amp; Light Co</b>									
Buras (LA).....	—	—	1,461,005	—	275,082	—	—	—	15,819
Litle Gypsy (LA).....	—	—	315	—	—	—	—	—	7
Monroe (LA).....	—	—	307,160	—	—	—	—	—	2,966
Nine Mile Point (LA).....	—	—	372	—	—	—	—	—	12
Sterlington (LA).....	—	—	736,096	—	—	—	—	—	8,908
Thibodaux (LA).....	—	—	134,436	—	—	—	—	—	1,395
Waterford (LA).....	—	—	—	—	275,082	—	—	—	—
Waterford (LA).....	—	—	282,626	—	—	—	—	—	2,532
<b>Louisville Gas &amp; Elec Co</b>									
Cane Run (KY).....	1,389,599	1,900	—	7,452	—	—	635	4	—
Mill Creek (KY).....	289,563	—	—	—	—	—	130	—	—
Ohio Falls (KY).....	763,560	1,900	—	—	—	—	358	4	—
Paddys Run (KY).....	—	—	—	7,452	—	—	—	—	—
Trimble County (KY).....	—	—	—	—	—	—	—	—	—
Waterside (KY).....	336,476	—	—	—	—	—	147	—	—
Zorn (KY).....	—	—	—	—	—	—	—	—	—
<b>Lower Colorado River Auth</b>									
Austin (TX).....	1,040,231	567	326,119	15,333	—	—	617	1	3,372
Buchanan (TX).....	—	—	—	2,679	—	—	—	—	—
Granite Shoals (TX).....	—	—	—	1,225	—	—	—	—	—
Inks (TX).....	—	—	—	616	—	—	—	—	—
Mansfield (TX).....	—	—	—	556	—	—	—	—	—
Marble Falls (TX).....	—	—	—	9,873	—	—	—	—	—
Sam K Seymour, jr (TX).....	—	—	—	384	—	—	—	—	—
Sim Gideon (TX).....	1,040,231	567	—	—	—	—	617	1	—
T. C. Ferguson (TX).....	—	—	194,791	—	—	—	—	—	2,008
	—	—	131,328	—	—	—	—	—	1,364
<b>Lubbock (City of)</b>									
Holly Ave (TX).....	—	—	60,286	—	—	—	—	—	751
LP&L Co GEN.....	—	—	44,703	—	—	—	—	—	549
Plant 2 (TX).....	—	—	13,596	—	—	—	—	—	146
	—	—	1,987	—	—	—	—	—	56
<b>Madison Gas &amp; Elec Co</b>									
Blount Street (WI).....	16,381	5	10,705	—	—	1,016	11	*	165
Fitchburg (WI).....	—	—	9,381	—	—	—	—	—	140
Nine Springs (WI).....	—	—	781	—	—	—	—	—	14
Sycamore (WI).....	—	5	23	—	—	—	—	—	1
	—	—	520	—	—	—	—	*	11
<b>Manitowoc (City of)</b>									
Manitowoc (WI).....	14,102	6,422	—	—	—	—	8	—	—
	14,102	6,422	—	—	—	—	8	—	—
<b>Marquette (City of)</b>									
Plant Four (MI).....	20,272	9	—	863	—	—	15	*	—
Plant Two (MI).....	—	—	—	—	—	—	—	—	—
Russell, Frank J (MI).....	—	—	—	681	—	—	—	—	—
Shiras (MI).....	—	—	—	182	—	—	—	—	—
	20,272	9	—	—	—	—	15	*	—
<b>Marshall (City of)</b>									
Marshall (MO).....	5,262	5	573	—	—	—	3	*	6
	5,262	5	573	—	—	—	3	*	6
<b>Mass Mun Wholesale Elec</b>									
Stonybrook (MA).....	—	6,413	73,332	—	—	—	—	17	636
	—	6,413	73,332	—	—	—	—	17	636

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Maui Electric Co Ltd</b> .....	—	<b>90,972</b>	—	—	—	—	—	<b>156</b>	—
Cook (HI).....	—	3,385	—	—	—	—	—	6	—
Kahului (HI).....	—	12,430	—	—	—	—	—	28	—
Lanai City (HI).....	—	—	—	—	—	—	—	—	—
Maalaea (HI).....	—	72,735	—	—	—	—	—	119	—
Miki Basin (HI).....	—	2,422	—	—	—	—	—	4	—
<b>McPherson (City of)</b> .....	—	<b>44</b>	<b>3,630</b>	—	—	—	—	*	<b>53</b>
McPherson 3 (KS).....	—	—	1,485	—	—	—	—	—	22
Plant No. 2 (KS).....	—	44	2,145	—	—	—	—	*	31
<b>Medina Electric Coop Inc</b> .....	—	—	<b>1,591</b>	—	—	—	—	—	<b>23</b>
Pearsall (TX).....	—	—	1,591	—	—	—	—	—	23
<b>Merced Irrigation Dist</b> .....	—	—	—	<b>24,778</b>	—	—	—	—	—
Canal Creek (CA).....	—	—	—	—	—	—	—	—	—
Exchequer (CA).....	—	—	—	22,043	—	—	—	—	—
Fairfield (CA).....	—	—	—	—	—	—	—	—	—
Mcswain (CA).....	—	—	—	2,735	—	—	—	—	—
Parker (CA).....	—	—	—	—	—	—	—	—	—
<b>Metropolitan Edison Co</b> .....	<b>278,557</b>	<b>2,992</b>	<b>8,470</b>	<b>10,443</b>	—	—	<b>114</b>	<b>8</b>	<b>111</b>
Hamilton (PA).....	—	238	—	—	—	—	—	1	—
Hunterstown (PA).....	—	—	1,643	—	—	—	—	—	27
Mountain (PA).....	—	1	2,423	—	—	—	—	*	40
Orrtanna (PA).....	—	227	—	—	—	—	—	1	—
Portland (PA).....	166,317	1,959	4,233	—	—	—	66	5	41
Shawnee (PA).....	—	71	—	—	—	—	—	*	—
Titus (PA).....	112,240	300	171	—	—	—	47	1	3
Tolna (PA).....	—	196	—	—	—	—	—	1	—
Yorkhaven (PA).....	—	—	—	10,443	—	—	—	—	—
<b>Michigan So Cent Pwr Agen</b> .....	<b>25,134</b>	<b>2,128</b>	—	—	—	—	<b>13</b>	*	—
Endicott (MI).....	25,134	2,128	—	—	—	—	13	*	—
<b>MidAmerican Energy</b> .....	<b>1,615,261</b>	<b>1,355</b>	<b>8,648</b>	<b>2,006</b>	—	—	<b>1,001</b>	<b>3</b>	<b>125</b>
Coralville (IA).....	—	-24	—	—	—	—	—	—	—
Council Bluffs (IA).....	452,732	394	441	—	—	—	284	1	5
Electrifarm (IA).....	—	364	3,429	—	—	—	—	1	50
George Neal South (IA).....	355,514	168	—	—	—	—	214	*	—
Louisa (IA).....	329,524	—	268	—	—	—	206	—	3
Moline (IL).....	—	—	168	2,006	—	—	—	—	3
Neal, George (IA).....	453,992	—	1,079	—	—	—	282	—	11
Parr (IA).....	—	—	193	—	—	—	—	—	4
Pleasant Hill (IA).....	—	453	—	—	—	—	—	1	—
River Hills (IA).....	—	—	1,057	—	—	—	—	—	19
Riverside (IA).....	23,499	—	136	—	—	—	15	—	1
Sycamore (IA).....	—	—	1,877	—	—	—	—	—	29
<b>Minnesota Power Inc</b> .....	<b>518,494</b>	<b>1,469</b>	—	<b>71,836</b>	—	—	<b>307</b>	<b>3</b>	—
Blanchard (MN).....	—	—	—	11,083	—	—	—	—	—
Boswell (MN).....	491,810	1,323	—	—	—	—	289	2	—
Fond Du Lac (MN).....	—	—	—	6,952	—	—	—	—	—
Hibbard, M L (MN).....	—	—	—	—	—	—	—	—	—
Knife Falls (MN).....	—	—	—	1,400	—	—	—	—	—
Laskin (MN).....	26,684	146	—	—	—	—	19	*	—
Little Falls (MN).....	—	—	—	2,705	—	—	—	—	—
Pillager (MN).....	—	—	—	1,091	—	—	—	—	—
Prairie River (MN).....	—	—	—	231	—	—	—	—	—
Scanlon (MN).....	—	—	—	841	—	—	—	—	—
Sylvan (MN).....	—	—	—	1,100	—	—	—	—	—
Thompson (MN).....	—	—	—	44,024	—	—	—	—	—
Winton (MN).....	—	—	—	2,409	—	—	—	—	—
<b>Minnkota Power Coop Inc</b> .....	<b>450,772</b>	<b>1,682</b>	—	—	—	—	<b>393</b>	<b>3</b>	—
Grand Forks (ND).....	—	—	—	—	—	—	—	—	—
Harwood (ND).....	—	—	—	—	—	—	—	—	—
Young, Milton R (ND).....	450,772	1,682	—	—	—	—	393	3	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)  Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Mississippi Power Co</b> .....	<b>932,379</b>	<b>600</b>	<b>152,523</b>	—	—	—	<b>415</b>	<b>1</b>	<b>3,051</b>
Daniel, Victor J Jr. (MS).....	456,742	600	—	—	—	—	216	1	—
Eaton (MS).....	—	—	11,916	—	—	—	—	—	159
Standard Oil (MS).....	—	—	91,044	—	—	—	—	—	2,276
Sweatt (MS).....	—	—	9,952	—	—	—	—	—	126
Watson (MS).....	475,637	—	39,611	—	—	—	199	—	490
<b>Mississippi Pwr &amp; Lgt Co</b> .....	—	<b>295,710</b>	<b>314,492</b>	—	—	—	—	<b>506</b>	<b>3,670</b>
Andrus (MS).....	—	229,124	1,300	—	—	—	—	376	13
Brown, Rex (MS).....	—	34	52,328	—	—	—	—	*	721
Delta (MS).....	—	—	23,652	—	—	—	—	—	312
Natchez (MS).....	—	—	—	—	—	—	—	—	—
Wilson, B (MS).....	—	66,552	237,212	—	—	—	—	130	2,623
<b>Missouri Basin Mun Pwr</b>									
Agency.....	—	—	—	—	—	—	—	—	—
Watertown (SD).....	—	—	—	—	—	—	—	—	—
<b>Modesto Irrigation Dist</b> .....	—	<b>1,021</b>	<b>15,458</b>	<b>1,055</b>	—	—	—	<b>2</b>	<b>157</b>
McClure (CA).....	—	1,021	2,491	—	—	—	—	2	35
New Hogan (CA).....	—	—	—	1,008	—	—	—	—	—
Stone Drop (CA).....	—	—	—	47	—	—	—	—	—
Woodland (CA).....	—	—	12,967	—	—	—	—	—	122
<b>Monongahela Power Co</b> .....	<b>2,757,269</b>	<b>320</b>	<b>2,250</b>	—	—	—	<b>1,090</b>	<b>1</b>	<b>23</b>
Albright (WV).....	82,869	259	—	—	—	—	37	*	—
Fort Martin (WV).....	713,864	11	—	—	—	—	266	*	—
Harrison (WV).....	1,255,468	—	1,010	—	—	—	492	—	10
Pleasants (WV).....	559,047	—	1,100	—	—	—	233	—	11
Rivesville (WV).....	22,506	50	—	—	—	—	12	*	—
Willow Island (WV).....	123,515	—	140	—	—	—	51	—	1
<b>Montana Dakota Utils Co</b> .....	<b>299,809</b>	<b>50</b>	<b>378</b>	—	—	—	<b>258</b>	<b>*</b>	<b>6</b>
Coyote (ND).....	246,650	50	—	—	—	—	206	*	—
Glendive (MT).....	—	—	211	—	—	—	—	—	3
Heskett (ND).....	29,993	—	—	—	—	—	30	—	—
Lewis & Clark (MT).....	23,166	—	—	—	—	—	22	—	—
Miles City (MT).....	—	—	173	—	—	—	—	—	3
Williston (ND).....	—	—	-6	—	—	—	—	—	—
<b>Montana Power Co (The)</b> .....	<b>1,445,358</b>	<b>445</b>	<b>198</b>	<b>251,920</b>	—	—	<b>913</b>	<b>1</b>	<b>2</b>
Black Eagle (MT).....	—	—	—	10,942	—	—	—	—	—
Cochrane (MT).....	—	—	—	21,273	—	—	—	—	—
Colstrip (MT).....	1,344,298	386	—	—	—	—	848	1	—
Corette, J E (MT).....	101,060	—	198	—	—	—	65	—	2
Hauser Lake (MT).....	—	—	—	8,686	—	—	—	—	—
Holter (MT).....	—	—	—	22,315	—	—	—	—	—
Kerr (MT).....	—	—	—	64,482	—	—	—	—	—
Lake Diesel (MT).....	—	—	—	—	—	—	—	—	—
Madison (MT).....	—	—	—	2,839	—	—	—	—	—
Milltown (MT).....	—	—	—	1,303	—	—	—	—	—
Morony (MT).....	—	—	—	22,853	—	—	—	—	—
Mystic Lake (MT).....	—	—	—	7,395	—	—	—	—	—
Rainbow (MT).....	—	—	—	22,551	—	—	—	—	—
Ryan (MT).....	—	—	—	36,283	—	—	—	—	—
Thompson Falls (MT).....	—	—	—	30,998	—	—	—	—	—
Yellowstone (MT).....	—	59	—	—	—	—	—	*	—
<b>Morgan (City of)</b> .....	—	—	<b>6,117</b>	—	—	—	—	—	<b>83</b>
Morgan City (LA).....	—	—	6,117	—	—	—	—	—	83
<b>Muscatine (City of)</b> .....	<b>77,042</b>	<b>200</b>	<b>1,100</b>	—	—	—	<b>51</b>	<b>*</b>	<b>12</b>
Muscatine (IA).....	77,042	200	1,100	—	—	—	51	*	12
<b>N Y State Elec &amp; Gas Corp</b> .....	—	—	—	—	—	—	—	—	—
Cadyville (NY).....	—	—	—	—	—	—	—	—	—
Goudey (NY).....	—	—	—	—	—	—	—	—	—
Greenidge (NY).....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.



**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>N Y State Elec &amp; Gas Corp</b>									
Harris Lake (NY).....	—	—	—	—	—	—	—	—	—
Hickling (NY).....	—	—	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	—	—	—	—	—	—
Jennison (NY).....	—	—	—	—	—	—	—	—	—
Kents Falls (NY).....	—	—	—	—	—	—	—	—	—
Keuka (NY).....	—	—	—	—	—	—	—	—	—
Mechanicville (NY).....	—	—	—	—	—	—	—	—	—
Mill C (NY).....	—	—	—	—	—	—	—	—	—
Milliken (NY).....	—	—	—	—	—	—	—	—	—
Rainbow Falls (NY).....	—	—	—	—	—	—	—	—	—
Seneca Falls (NY).....	—	—	—	—	—	—	—	—	—
Somerset (NY).....	—	—	—	—	—	—	—	—	—
Waterloo (NY).....	—	—	—	—	—	—	—	—	—
<b>Natchitoches (City of)</b>									
Natchitoches (LA).....	—	—	—	—	—	—	—	—	—
<b>Nebraska Pub Power Dist</b>									
Canada (NE).....	747,764	483	5,801	29,184	387,372	—	462	1	66
Canada (NE).....	—	—	1,202	—	—	—	—	—	14
Columbus (NE).....	—	—	—	10,758	—	—	—	—	—
Cooper (NE).....	—	—	—	—	387,372	—	—	—	—
David City (NE).....	—	30	64	—	—	—	—	*	1
Gentleman (NE).....	632,971	—	3,507	—	—	—	390	—	37
Hallam (NE).....	—	—	786	—	—	—	—	—	11
Hebron (NE).....	—	—	—	—	—	—	—	*	—
Kearney (NE).....	—	—	—	—	—	—	—	—	—
Lodgepole (NE).....	—	—	—	—	—	—	—	—	—
Lyons (NE).....	—	13	—	—	—	—	—	*	—
Madison (NE).....	—	2	35	—	—	—	—	*	1
Mc Cook (NE).....	—	303	—	—	—	—	—	1	—
Minnechadua (NE).....	—	—	—	—	—	—	—	—	—
Mobile (NE).....	—	—	—	—	—	—	—	—	—
Monroe (NE).....	—	—	—	1,607	—	—	—	—	—
North Platte (NE).....	—	—	—	16,819	—	—	—	—	—
Ord (NE).....	—	98	32	—	—	—	—	*	*
Sheldon (NE).....	114,793	—	149	—	—	—	73	—	2
Spencer (NE).....	—	—	—	—	—	—	—	—	—
Sutherland (NE).....	—	24	—	—	—	—	—	*	—
Wakefield (NE).....	—	13	26	—	—	—	—	*	*
<b>Nevada Power Co</b>									
Clark (NV).....	399,129	500	373,121	—	—	—	182	1	3,571
Clark (NV).....	—	—	306,006	—	—	—	—	—	2,785
Gardner, Reid (NV).....	399,129	500	—	—	—	—	182	1	—
Sun Peak (NV).....	—	—	31,445	—	—	—	—	—	407
Sunrise (NV).....	—	—	35,670	—	—	—	—	—	379
<b>New Orleans Pub Serv Inc</b>									
Michoud (LA).....	—	89,861	259,958	—	—	—	—	140	2,749
Michoud (LA).....	—	89,849	256,295	—	—	—	—	140	2,688
Paterson, A B (LA).....	—	12	3,663	—	—	—	—	*	61
<b>New Ulm (City of)</b>									
New Ulm (MN).....	—	153	1,390	—	—	—	—	*	38
New Ulm (MN).....	—	153	1,390	—	—	—	—	*	38
<b>Niagara Mohawk Power Corp</b>									
Albany (NY).....	—	111,047	80,246	—	1,229,315	—	—	163	1,285
Albany (NY).....	—	4,199	59,956	—	—	—	—	7	697
Allens Falls (NY).....	—	—	—	—	—	—	—	—	—
Baldwinsville (NY).....	—	—	—	—	—	—	—	—	—
Beardslee (NY).....	—	—	—	—	—	—	—	—	—
Beebee Island (NY).....	—	—	—	—	—	—	—	—	—
Belfort (NY).....	—	—	—	—	—	—	—	—	—
Bennetts Bridge (NY).....	—	—	—	—	—	—	—	—	—
Black River (NY).....	—	—	—	—	—	—	—	—	—
Blake (NY).....	—	—	—	—	—	—	—	—	—
Browns Falls (NY).....	—	—	—	—	—	—	—	—	—
Chasm (NY).....	—	—	—	—	—	—	—	—	—
Colton (NY).....	—	—	—	—	—	—	—	—	—
Deferiet (NY).....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)  Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Niagara Mohawk Power Corp</b>									
Dunkirk (NY).....	—	—	—	—	—	—	—	—	—
Eagle (NY).....	—	—	—	—	—	—	—	—	—
East Norfolk (NY).....	—	—	—	—	—	—	—	—	—
Eel Weir (NY).....	—	—	—	—	—	—	—	—	—
Effley (NY).....	—	—	—	—	—	—	—	—	—
Elmer (NY).....	—	—	—	—	—	—	—	—	—
Ephratah (NY).....	—	—	—	—	—	—	—	—	—
Feeder Dam (NY).....	—	—	—	—	—	—	—	—	—
Five Falls (NY).....	—	—	—	—	—	—	—	—	—
Flat Rock (NY).....	—	—	—	—	—	—	—	—	—
Franklin (NY).....	—	—	—	—	—	—	—	—	—
Fulton (NY).....	—	—	—	—	—	—	—	—	—
Glenwood (NY).....	—	—	—	—	—	—	—	—	—
Granby (NY).....	—	—	—	—	—	—	—	—	—
Green Island (NY).....	—	—	—	—	—	—	—	—	—
Hannawa (NY).....	—	—	—	—	—	—	—	—	—
Herrings (NY).....	—	—	—	—	—	—	—	—	—
Heuvelton (NY).....	—	—	—	—	—	—	—	—	—
High Dam (NY).....	—	—	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	—	—	—	—	—	—
Higley (NY).....	—	—	—	—	—	—	—	—	—
Hogansburg (NY).....	—	—	—	—	—	—	—	—	—
Huntley, C R (NY).....	—	—	—	—	—	—	—	—	—
Hydraulic Race (NY).....	—	—	—	—	—	—	—	—	—
Inghams (NY).....	—	—	—	—	—	—	—	—	—
Johnsonville (NY).....	—	—	—	—	—	—	—	—	—
Kamargo (NY).....	—	—	—	—	—	—	—	—	—
Lighthouse Hill (NY).....	—	—	—	—	—	—	—	—	—
Macomb (NY).....	—	—	—	—	—	—	—	—	—
Mechanicville (NY).....	—	—	—	—	—	—	—	—	—
Minetto (NY).....	—	—	—	—	—	—	—	—	—
Moshier (NY).....	—	—	—	—	—	—	—	—	—
Nine Mile Point (NY).....	—	6	—	—	1,229,315	—	—	*	—
Norfolk (NY).....	—	—	—	—	—	—	—	—	—
Norwood (NY).....	—	—	—	—	—	—	—	—	—
Oak Orchard (NY).....	—	—	—	—	—	—	—	—	—
Oswegatchie (NY).....	—	—	—	—	—	—	—	—	—
Oswego (NY).....	—	106,842	20,290	—	—	—	—	156	588
Oswego Falls Es (NY).....	—	—	—	—	—	—	—	—	—
Oswego Falls Ws (NY).....	—	—	—	—	—	—	—	—	—
Parishville (NY).....	—	—	—	—	—	—	—	—	—
Piercefield (NY).....	—	—	—	—	—	—	—	—	—
Prospect (NY).....	—	—	—	—	—	—	—	—	—
Rainbow (NY).....	—	—	—	—	—	—	—	—	—
Raymondville (NY).....	—	—	—	—	—	—	—	—	—
Schaghticoke (NY).....	—	—	—	—	—	—	—	—	—
School Street (NY).....	—	—	—	—	—	—	—	—	—
Schuylerville (NY).....	—	—	—	—	—	—	—	—	—
Sewalls (NY).....	—	—	—	—	—	—	—	—	—
Sherman Island (NY).....	—	—	—	—	—	—	—	—	—
So Glens Falls (NY).....	—	—	—	—	—	—	—	—	—
Soft Maple (NY).....	—	—	—	—	—	—	—	—	—
South Colton (NY).....	—	—	—	—	—	—	—	—	—
South Edwards (NY).....	—	—	—	—	—	—	—	—	—
Spier Falls (NY).....	—	—	—	—	—	—	—	—	—
Stark (NY).....	—	—	—	—	—	—	—	—	—
Stewarts Bridge (NY).....	—	—	—	—	—	—	—	—	—
Stuyvesant Falls (NY).....	—	—	—	—	—	—	—	—	—
Sugar Island (NY).....	—	—	—	—	—	—	—	—	—
Talcville (NY).....	—	—	—	—	—	—	—	—	—
Taylorville (NY).....	—	—	—	—	—	—	—	—	—
Trenton (NY).....	—	—	—	—	—	—	—	—	—
Varick (NY).....	—	—	—	—	—	—	—	—	—
Waterport (NY).....	—	—	—	—	—	—	—	—	—
West, E J (NY).....	—	—	—	—	—	—	—	—	—
Yaleville (NY).....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>North Atlantic Energy Corp.....</b>		—	—	—	—	<b>834,418</b>	—	—	—	—
Seabrook (NH).....		—	—	—	—	834,418	—	—	—	—
<b>Northeast Nucl Energy Co.....</b>		—	—	—	—	<b>1,271,798</b>	—	—	—	—
Millstone (CT).....		—	—	—	—	1,271,798	—	—	—	—
<b>Northern Ind Pub Serv Co.....</b>		<b>1,452,257</b>	<b>36,420</b>	<b>5,415</b>	<b>392</b>	—	—	<b>793</b>	—	<b>66</b>
Bailey (IN).....		235,718	1,478	808	—	—	—	116	—	9
Michigan City (IN).....		261,500	—	44	—	—	—	145	—	*
Mitchell, Dean H (IN).....		142,962	—	464	—	—	—	89	—	5
Norway (IN).....		—	—	—	368	—	—	—	—	—
Oakdale (IN).....		—	—	—	24	—	—	—	—	—
Schaffer, R. M. (IN).....		812,077	34,942	4,099	—	—	—	443	—	51
<b>Northern States Power Co.....</b>		<b>1,772,378</b>	<b>57,657</b>	<b>17,329</b>	<b>57,501</b>	<b>1,193,354</b>	<b>33,942</b>	<b>1,041</b>	<b>9</b>	<b>253</b>
Angus Anson (SD).....		—	—	3,309	—	—	—	—	—	52
Apple River (WI).....		—	—	—	1,282	—	—	—	—	—
Bay Front (WI).....		9,550	—	1,999	—	—	8,627	6	—	30
Big Falls (WI).....		—	—	—	2,130	—	—	—	—	—
Black Dog (MN).....		111,134	—	1,798	—	—	—	71	—	19
Blue Lake (MN).....		—	493	—	—	—	—	—	5	—
Cedar Falls (WI).....		—	—	—	2,707	—	—	—	—	—
Chippewa Falls (WI).....		—	—	—	3,758	—	—	—	—	—
Cornell (WI).....		—	—	—	4,462	—	—	—	—	—
Dells (WI).....		—	—	—	2,690	—	—	—	—	—
Flambeau (WI).....		—	—	2,144	—	—	—	—	—	39
French Island (WI).....		—	-11	64	—	—	5,271	—	*	*
Granite City (MN).....		—	—	37	—	—	—	—	—	2
Hayward (WI).....		—	—	—	130	—	—	—	—	—
Hennepin Island (MN).....		—	—	—	6,828	—	—	—	—	—
High Bridge (MN).....		41,859	—	1,056	—	—	—	25	—	11
Holcombe (WI).....		—	—	—	4,937	—	—	—	—	—
Inver Hills (MN).....		—	—	3,834	—	—	—	—	—	54
Jim Falls (WI).....		—	—	—	6,258	—	—	—	—	—
Key City (MN).....		—	—	416	—	—	—	—	—	7
King (MN).....		250,013	37,120	136	—	—	—	135	—	1
Ladysmith (WI).....		—	—	—	654	—	—	—	—	—
Menomonie (WI).....		—	—	—	1,797	—	—	—	—	—
Minnesota Valley (MN).....		-30	—	—	—	—	—	—	—	—
Monticello (MN).....		—	—	—	—	420,974	—	—	—	—
Pathfinder (SD).....		—	—	-103	—	—	—	—	—	—
Prairie Island (MN).....		—	—	—	—	772,380	—	—	—	—
Redwing (MN).....		—	—	31	—	—	11,834	—	—	1
Riverdale (WI).....		—	—	—	215	—	—	—	—	—
Riverside (MN).....		161,506	18,186	672	—	—	—	99	*	7
Saxon Falls (MI).....		—	—	—	850	—	—	—	—	—
Sherburne County (MN).....		1,198,346	929	—	—	—	—	705	2	—
St Croix Falls (WI).....		—	—	—	10,202	—	—	—	—	—
Superior Falls (MI).....		—	—	—	-3	—	—	—	—	—
Thornapple (WI).....		—	—	—	493	—	—	—	—	—
Trego (WI).....		—	—	—	723	—	—	—	—	—
West Faribault (MN).....		—	—	26	—	—	—	—	—	*
Wheaton (WI).....		—	940	1,857	—	—	—	—	3	29
White River (WI).....		—	—	—	368	—	—	—	—	—
Wilmarth (MN).....		—	—	53	—	—	8,210	—	—	1
Wissota (WI).....		—	—	—	7,020	—	—	—	—	—
<b>Northwestern Pub Serv Co.....</b>		—	-7	<b>1,012</b>	—	—	—	—	*	<b>16</b>
Aberdeen (SD).....		—	1	—	—	—	—	—	*	—
Clark (SD).....		—	-5	—	—	—	—	—	*	—
Faulkton (SD).....		—	6	—	—	—	—	—	*	—
Highmore (SD).....		—	-3	—	—	—	—	—	*	—
Huron (SD).....		—	—	947	—	—	—	—	—	15
Mobile (SD).....		—	-4	—	—	—	—	—	*	—
Redfield (SD).....		—	-1	-4	—	—	—	—	*	*
Webster (SD).....		—	-2	—	—	—	—	—	*	—
Yankton New (SD).....		—	1	69	—	—	—	—	*	1

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Oakdale South San Joaquin</b> .....	—	—	—	<b>60,201</b>	—	—	—	—	—
Beardsley (CA) .....	—	—	—	7,582	—	—	—	—	—
Donnels (CA) .....	—	—	—	30,503	—	—	—	—	—
Sand Bar (CA) .....	—	—	—	10,378	—	—	—	—	—
Tulloch (CA) .....	—	—	—	11,738	—	—	—	—	—
<b>Oglethorpe Power Corp</b> .....	—	—	—	<b>-49,521</b>	—	—	—	—	—
Rocky Mountain (GA) .....	—	—	—	-49,524	—	—	—	—	—
Tallassee (GA) .....	—	—	—	3	—	—	—	—	—
<b>Ohio Edison Co</b> .....	<b>1,495,959</b>	<b>4,157</b>	<b>3,371</b>	—	—	—	<b>644</b>	<b>10</b>	<b>39</b>
Burger, R E (OH) .....	133,893	162	—	—	—	—	59	*	—
Edgewater (OH) .....	—	66	3,371	—	—	—	—	*	39
Gorge Steam (OH) .....	—	—	—	—	—	—	—	—	—
Mad River (OH) .....	—	352	—	—	—	—	—	1	—
Niles (OH) .....	82,447	261	—	—	—	—	38	1	—
Sammis (OH) .....	1,279,619	291	—	—	—	—	547	1	—
West Lorain (OH) .....	—	3,025	—	—	—	—	—	7	—
<b>Ohio Power Co</b> .....	<b>2,571,232</b>	<b>6,170</b>	—	<b>6,249</b>	—	—	<b>1,090</b>	<b>11</b>	—
Gavin, Gen J M (OH) .....	1,267,632	2,160	—	—	—	—	543	4	—
Kammer (WV) .....	284,408	155	—	—	—	—	117	*	—
Mitchell (WV) .....	604,171	2,773	—	—	—	—	266	5	—
Muskingum River (OH) .....	415,021	1,082	—	—	—	—	164	2	—
Racine (OH) .....	—	—	—	6,249	—	—	—	—	—
Tidd (OH) .....	—	—	—	—	—	—	—	—	—
<b>Ohio Valley Elec Corp</b> .....	<b>656,612</b>	<b>202</b>	—	—	—	—	<b>266</b>	<b>*</b>	—
Kyger Creek (OH) .....	656,612	202	—	—	—	—	266	*	—
<b>Oklahoma Gas &amp; Elec Co</b> .....	<b>1,337,027</b>	<b>1,613</b>	<b>521,468</b>	—	—	—	<b>818</b>	<b>9</b>	<b>5,684</b>
Arbuckle (OK) .....	—	—	—	—	—	—	—	—	—
Conoco (OK) .....	—	—	40,911	—	—	—	—	—	365
Enid (OK) .....	—	—	135	—	—	—	—	—	3
Horseshoe Lake (OK) .....	—	—	105,638	—	—	—	—	—	1,181
Muskogee (OK) .....	710,313	—	22,093	—	—	—	442	—	255
Mustang (OK) .....	—	—	68,329	—	—	—	—	—	762
Seminole (OK) .....	—	1,200	284,362	—	—	—	—	3	3,117
Sooner (OK) .....	626,714	413	—	—	—	—	376	6	—
Woodward (OK) .....	—	—	—	—	—	—	—	—	—
<b>Oklahoma Mun Power Authority</b> .....	—	—	<b>9,208</b>	<b>8,131</b>	—	—	—	—	<b>78</b>
Kaw Hydro (OK) .....	—	—	—	8,131	—	—	—	—	—
Ponca Steam (OK) .....	—	—	1,887	—	—	—	—	—	17
Ponca Steam (OK) .....	—	—	7,321	—	—	—	—	—	61
<b>Omaha Public Power Dist</b> .....	<b>596,171</b>	<b>427</b>	<b>4,209</b>	—	<b>255,439</b>	—	<b>372</b>	<b>1</b>	<b>96</b>
Fort Calhoun (NE) .....	—	—	—	—	255,439	—	—	—	—
Jones Street (NE) .....	—	-72	—	—	—	—	—	*	—
Nebraska City (NE) .....	340,177	499	—	—	—	—	206	1	—
North Omaha (NE) .....	255,994	—	1,520	—	—	—	166	—	61
Sarpy (NE) .....	—	—	2,689	—	—	—	—	—	35
<b>Orange &amp; Rockland Util Inc</b> .....	—	—	—	—	—	—	—	—	—
Bowline Point (NY) .....	—	—	—	—	—	—	—	—	—
Grahamsville (NY) .....	—	—	—	—	—	—	—	—	—
Hillburn (NY) .....	—	—	—	—	—	—	—	—	—
Lovett (NY) .....	—	—	—	—	—	—	—	—	—
Mongaup (NY) .....	—	—	—	—	—	—	—	—	—
Rio (NY) .....	—	—	—	—	—	—	—	—	—
Shoemaker (NY) .....	—	—	—	—	—	—	—	—	—
Swinging Bridge 1 (NY) .....	—	—	—	—	—	—	—	—	—
Swinging Bridge 2 (NY) .....	—	—	—	—	—	—	—	—	—
<b>Orlando (City of)</b> .....	<b>495,797</b>	<b>51,479</b>	<b>171,397</b>	—	—	—	<b>189</b>	<b>86</b>	<b>2,134</b>
Indian River (FL) .....	—	50,519	170,876	—	—	—	—	85	2,128
St Cloud (FL) .....	—	66	521	—	—	—	—	*	6
Stanton (FL) .....	495,797	894	—	—	—	—	189	1	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Oroville Wyandotte I Dist</b> .....	—	—	—	<b>30,389</b>	—	—	—	—	—	—
Forbestown (CA) .....	—	—	—	8,752	—	—	—	—	—	—
Kelly Ridge (CA).....	—	—	—	4,871	—	—	—	—	—	—
Sly Creek (CA).....	—	—	—	1,708	—	—	—	—	—	—
Woodleaf (CA).....	—	—	—	15,058	—	—	—	—	—	—
<b>Orrville (City of)</b> .....	<b>19,962</b>	—	<b>30</b>	—	—	—	—	<b>14</b>	—	*
Orrville (OH) .....	19,962	—	30	—	—	—	—	14	—	*
<b>Otter Tail Power Co</b> .....	<b>226,585</b>	<b>1,693</b>	—	<b>1,881</b>	—	—	—	<b>132</b>	<b>4</b>	—
Bemidji (MN).....	—	—	—	186	—	—	—	—	—	—
Big Stone (SD).....	197,020	800	—	—	—	—	—	114	2	—
Dayton Hollow (MN) .....	—	—	—	613	—	—	—	—	—	—
Hoot Lake (MN).....	29,565	60	—	322	—	—	—	19	—	—
Jamestown (ND).....	—	507	—	—	—	—	—	—	1	—
Lake Preston (SD) .....	—	326	—	—	—	—	—	—	1	—
Pisgah (MN).....	—	—	—	487	—	—	—	—	—	—
Port 148 (MN) .....	—	—	—	—	—	—	—	—	—	—
Taplin Gorge (MN).....	—	—	—	—	—	—	—	—	—	—
Wright (MN).....	—	—	—	273	—	—	—	—	—	—
<b>Owensboro (City of)</b> .....	<b>245,926</b>	<b>225</b>	—	—	—	—	—	<b>117</b>	*	—
Elmer Smith (KY) .....	245,926	225	—	—	—	—	—	117	*	—
<b>Pacific Gas &amp; Electric Co</b> .....	—	<b>920</b>	<b>44,517</b>	<b>928,575</b>	<b>1,337,931</b>	<b>49</b>	—	—	<b>1</b>	<b>715</b>
Alta (CA) .....	—	—	—	431	—	—	—	—	—	—
Balch 1 (CA).....	—	—	—	13,600	—	—	—	—	—	—
Balch 2 (CA).....	—	—	—	57,798	—	—	—	—	—	—
Belden (CA).....	—	—	—	25,842	—	—	—	—	—	—
Black, James B (CA).....	—	—	—	64,483	—	—	—	—	—	—
Bucks Creek (CA) .....	—	—	—	1,721	—	—	—	—	—	—
Butt Valley (CA) .....	—	—	—	10,846	—	—	—	—	—	—
Caribou 1 (CA).....	—	—	—	295	—	—	—	—	—	—
Caribou 2 (CA).....	—	—	—	48,815	—	—	—	—	—	—
Centerville (CA).....	—	—	—	2,151	—	—	—	—	—	—
Chili Bar (CA).....	—	—	—	2,839	—	—	—	—	—	—
Coal Canyon (CA).....	—	—	—	387	—	—	—	—	—	—
Coleman (CA).....	—	—	—	6,066	—	—	—	—	—	—
Contra Costa (CA).....	—	—	—	—	—	—	—	—	—	—
Cow Creek (CA).....	—	—	—	582	—	—	—	—	—	—
Crane Valley (CA).....	—	—	—	498	—	—	—	—	—	—
Cresta (CA).....	—	—	—	12,166	—	—	—	—	—	—
De Sabla (CA) .....	—	—	—	7,665	—	—	—	—	—	—
Deer Creek (CA).....	—	—	—	2,104	—	—	—	—	—	—
Diablo Canyon (CA).....	—	—	—	—	1,337,931	—	—	—	—	—
Downieville (CA).....	—	-5	—	—	—	—	—	—	—	—
Drum 1 (CA).....	—	—	—	5,201	—	—	—	—	—	—
Drum 2 (CA).....	—	—	—	17,352	—	—	—	—	—	—
Dutch Flat (CA).....	—	—	—	6,585	—	—	—	—	—	—
El Dorado (CA) .....	—	—	—	—	—	—	—	—	—	—
Electra (CA).....	—	—	—	35,846	—	—	—	—	—	—
Haas (CA) .....	—	—	—	58,575	—	—	—	—	—	—
Halsey (CA).....	—	—	—	6,124	—	—	—	—	—	—
Hamilton Branch (CA) .....	—	—	—	1,627	—	—	—	—	—	—
Hat Creek 1 (CA).....	—	—	—	3,081	—	—	—	—	—	—
Hat Creek 2 (CA).....	—	—	—	4,783	—	—	—	—	—	—
Helms (CA).....	—	—	—	22,794	—	—	—	—	—	—
Hercules St (CA) .....	—	—	—	—	—	—	—	—	—	—
Humbolt Bay (CA) .....	—	281	21,412	—	—	—	—	—	1	301
Hunters Point (CA).....	—	644	23,105	—	—	—	—	—	1	413
Inskip (CA).....	—	—	—	4,539	—	—	—	—	—	—
Kerckhoff (CA).....	—	—	—	34	—	—	—	—	—	—
Kerckhoff 2 (CA).....	—	—	—	39,695	—	—	—	—	—	—
Kern Canyon (CA).....	—	—	—	5,893	—	—	—	—	—	—
Kilarc (CA).....	—	—	—	1,282	—	—	—	—	—	—
Kings River (CA).....	—	—	—	23,392	—	—	—	—	—	—
Lime Saddle (CA).....	—	—	—	574	—	—	—	—	—	—
Merced Falls (CA).....	—	—	—	1,206	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Pacific Gas &amp; Electric Co</b>									
Mobile Turbine (CA).....	—	—	—	—	—	—	—	—	—
Narrows (CA).....	—	—	—	1,604	—	—	—	—	—
Newcastle (CA).....	—	—	—	435	—	—	—	—	—
Oak Flat (CA).....	—	—	—	430	—	—	—	—	—
Phoenix (CA).....	—	—	—	893	—	—	—	—	—
Pit 1 (CA).....	—	—	—	26,321	—	—	—	—	—
Pit 3 (CA).....	—	—	—	33,477	—	—	—	—	—
Pit 4 (CA).....	—	—	—	41,702	—	—	—	—	—
Pit 5 (CA).....	—	—	—	72,655	—	—	—	—	—
Pit 6 (CA).....	—	—	—	26,210	—	—	—	—	—
Pit 7 (CA).....	—	—	—	34,015	—	—	—	—	—
Pittsburg (CA).....	—	—	—	—	—	—	—	—	—
Poe (CA).....	—	—	—	27,346	—	—	—	—	—
Potrero (CA).....	—	—	—	—	—	—	—	—	—
Potter Valley (CA).....	—	—	—	2,996	—	—	—	—	—
PVUSA 1 (CA).....	—	—	—	—	—	49	—	—	—
Rock Creek (CA).....	—	—	—	22,580	—	—	—	—	—
Salt Springs (CA).....	—	—	—	18,780	—	—	—	—	—
San Joaquin No. 1a (CA).....	—	—	—	221	—	—	—	—	—
San Joaquin No. 2 (CA).....	—	—	—	1,703	—	—	—	—	—
San Joaquin 3 (CA).....	—	—	—	2,236	—	—	—	—	—
South (CA).....	—	—	—	4,730	—	—	—	—	—
Spaulding No. 1 (CA).....	—	—	—	2,776	—	—	—	—	—
Spaulding No. 2 (CA).....	—	—	—	958	—	—	—	—	—
Spaulding No. 3 (CA).....	—	—	—	3,932	—	—	—	—	—
Spring Gap (CA).....	—	—	—	2,593	—	—	—	—	—
Stanislaus (CA).....	—	—	—	39,839	—	—	—	—	—
The Geysers (CA).....	—	—	—	—	—	—	—	—	—
Tiger Creek (CA).....	—	—	—	31,116	—	—	—	—	—
Toadtown (CA).....	—	—	—	435	—	—	—	—	—
Tule River (CA).....	—	—	—	18	—	—	—	—	—
Volta (CA).....	—	—	—	5,367	—	—	—	—	—
Volta 2 (CA).....	—	—	—	651	—	—	—	—	—
West Point (CA).....	—	—	—	8,746	—	—	—	—	—
Wise (CA).....	—	—	—	8,882	—	—	—	—	—
Wishon, A G (CA).....	—	—	—	8,056	—	—	—	—	—
<b>Pacificorp.....</b>	<b>4,965,530</b>	<b>2,944</b>	<b>26,011</b>	<b>290,364</b>	—	<b>13,171</b>	<b>2,802</b>	<b>5</b>	<b>396</b>
American Fork (UT).....	—	—	—	—	—	—	—	—	—
Ashton (ID).....	—	—	—	3,344	—	—	—	—	—
Beaver Upper (UT).....	—	—	—	305	—	—	—	—	—
Bend (OR).....	—	—	—	429	—	—	—	—	—
Big Fork (MT).....	—	—	—	1,681	—	—	—	—	—
Blundell (UT).....	—	—	—	—	—	13,171	—	—	—
Bridger, Jim (WY).....	1,398,961	705	—	—	—	—	806	1	—
Carbon (UT).....	115,158	88	—	—	—	—	52	*	—
Centralia (WA).....	866,629	562	—	—	—	—	562	1	—
Clearwater 1 (OR).....	—	—	—	5,368	—	—	—	—	—
Clearwater 2 (OR).....	—	—	—	4,680	—	—	—	—	—
Cline Falls (OR).....	—	—	—	—	—	—	—	—	—
Condit (WA).....	—	—	—	5,940	—	—	—	—	—
Copco 1 (CA).....	—	—	—	6,859	—	—	—	—	—
Copco 2 (CA).....	—	—	—	8,643	—	—	—	—	—
Cove (ID).....	—	—	—	4,488	—	—	—	—	—
Cutler (UT).....	—	—	—	7,856	—	—	—	—	—
Eagle Point (OR).....	—	—	—	1,313	—	—	—	—	—
East Side (OR).....	—	—	—	1,213	—	—	—	—	—
Fall Creek (CA).....	—	—	—	826	—	—	—	—	—
Fish Creek (OR).....	—	—	—	2,656	—	—	—	—	—
Ftn Green (UT).....	—	—	—	113	—	—	—	—	—
Gadsby (UT).....	—	—	28,107	—	—	—	—	—	389
Grace (ID).....	—	—	—	20,777	—	—	—	—	—
Granite (UT).....	—	—	—	-2	—	—	—	—	—
Hunter (emery) (UT).....	879,463	458	—	—	—	—	412	1	—
Huntington Canyon (UT).....	601,863	538	—	—	—	—	256	1	—
Hydro No. 1 (UT).....	—	—	—	35	—	—	—	—	—
Hydro No. 2 (UT).....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Pacificorp</b>									
Hydro No. 3 (UT).....	—	—	—	19	—	—	—	—	—
Iron Gate (CA).....	—	—	—	9,429	—	—	—	—	—
John C Boyle (OR).....	—	—	—	18,222	—	—	—	—	—
Johnston, Dave (WY).....	423,141	593	—	—	—	—	304	1	—
Last Chance (UT).....	—	—	—	624	—	—	—	—	—
Lemolo 1 (OR).....	—	—	—	14,959	—	—	—	—	—
Lemolo 2 (OR).....	—	—	—	17,526	—	—	—	—	—
Little Mountain (UT).....	—	—	-2,799	—	—	—	—	—	—
Merwin (WA).....	—	—	—	22,401	—	—	—	—	—
Naches (WA).....	—	—	—	2,907	—	—	—	—	—
Naches Drop (WA).....	—	—	—	779	—	—	—	—	—
Naughton (WY).....	432,085	—	703	—	—	—	232	—	7
Olmstead (UT).....	—	—	—	3,675	—	—	—	—	—
Oneida (ID).....	—	—	—	7,894	—	—	—	—	—
Paris (ID).....	—	—	—	285	—	—	—	—	—
Pioneer (UT).....	—	—	—	2,035	—	—	—	—	—
Powerdale (OR).....	—	—	—	1,809	—	—	—	—	—
Prospect 1 (OR).....	—	—	—	3,006	—	—	—	—	—
Prospect 2 (OR).....	—	—	—	12,954	—	—	—	—	—
Prospect 3 (OR).....	—	—	—	2,965	—	—	—	—	—
Prospect 4 (OR).....	—	—	—	619	—	—	—	—	—
Skookumchuck (WA).....	—	—	—	—	—	—	—	—	—
Slide Creek (OR).....	—	—	—	7,416	—	—	—	—	—
Snake Creek (UT).....	—	—	—	348	—	—	—	—	—
Soda (ID).....	—	—	—	4,202	—	—	—	—	—
Soda Springs (OR).....	—	—	—	4,996	—	—	—	—	—
St Anthony (ID).....	—	—	—	102	—	—	—	—	—
Stairs (UT).....	—	—	—	739	—	—	—	—	—
Swift No. 2 (WA).....	—	—	—	6,984	—	—	—	—	—
Swift 1 (WA).....	—	—	—	24,215	—	—	—	—	—
Toketee (OR).....	—	—	—	18,541	—	—	—	—	—
Viva (WY).....	—	—	—	85	—	—	—	—	—
Wallowa Falls (OR).....	—	—	—	651	—	—	—	—	—
Weber (UT).....	—	—	—	2,314	—	—	—	—	—
West Side (OR).....	—	—	—	181	—	—	—	—	—
Wyodak (WY).....	248,230	—	—	—	—	—	179	—	—
Yale (WA).....	—	—	—	20,958	—	—	—	—	—
<b>Painesville (City of).....</b>	<b>11,087</b>	—	<b>12</b>	—	—	—	<b>6</b>	—	*
Painesville (OH).....	11,087	—	12	—	—	—	6	—	*
<b>Pasadena (City of).....</b>	—	—	<b>31,606</b>	<b>879</b>	—	—	—	—	<b>345</b>
Azusa (CA).....	—	—	—	879	—	—	—	—	—
Broadway (CA).....	—	—	28,556	—	—	—	—	—	314
Glenarm (CA).....	—	—	3,050	—	—	—	—	—	31
<b>Peabody (City of).....</b>	—	—	<b>1,630</b>	—	—	—	—	—	<b>20</b>
Waters River (MA).....	—	—	1,630	—	—	—	—	—	20
<b>Pend Oreille Pub Util D # 1.....</b>	—	—	—	<b>31,907</b>	—	—	—	—	—
Box Canyon (WA).....	—	—	—	31,750	—	—	—	—	—
Calispel Creek (WA).....	—	—	—	157	—	—	—	—	—
<b>Pennsylvania Electric Co.....</b>	<b>2,310,569</b>	<b>1,491</b>	<b>3,498</b>	<b>1,102</b>	—	—	<b>913</b>	<b>4</b>	<b>50</b>
Blossburg (PA).....	—	—	—	—	—	—	—	—	—
Conemaugh (PA).....	767,450	38	630	—	—	—	284	*	6
Deep Creek (MD).....	—	—	—	224	—	—	—	—	—
Homer City (PA).....	—	—	—	—	—	—	—	—	—
Keystone (PA).....	1,183,596	471	—	—	—	—	459	1	—
Piney (PA).....	—	—	—	878	—	—	—	—	—
Seneca (PA).....	—	—	—	—	—	—	—	—	—
Seward (PA).....	64,568	400	—	—	—	—	29	1	—
Shawville (PA).....	275,875	509	—	—	—	—	129	1	—
Warren (PA).....	19,080	100	2,868	—	—	—	11	*	43
Wayne (PA).....	—	-27	—	—	—	—	—	*	—
<b>Pennsylvania Power Co.....</b>	<b>1,215,386</b>	<b>1,724</b>	—	—	—	—	<b>511</b>	<b>3</b>	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Pennsylvania Power Co</b>									
Mansfield, Bruce (PA).....	1,155,437	1,404	—	—	—	—	483	2	—
New Castle (PA).....	59,949	320	—	—	—	—	28	1	—
<b>Pennsylvania Pwr &amp; Lgt Co.....</b>	<b>1,505,794</b>	<b>56,815</b>	<b>1,129</b>	<b>42,777</b>	<b>1,568,835</b>	<b>—</b>	<b>594</b>	<b>199</b>	<b>24</b>
Allentown (PA).....	—	119	—	—	—	—	—	*	—
Brunner Island (PA).....	521,064	215	—	—	—	—	200	1	—
Coal Storage (PA).....	—	—	—	—	—	—	—	—	—
Fishbach (PA).....	—	62	—	—	—	—	—	1	—
Harrisburg (PA).....	—	136	—	—	—	—	—	*	—
Harwood (PA).....	—	50	—	—	—	—	—	*	—
Holtwood (PA).....	—	—	—	38,260	—	—	—	—	—
Jenkins (PA).....	—	60	—	—	—	—	—	*	—
Loch Haven (PA).....	—	31	—	—	—	—	—	*	—
Martins Creek (PA).....	46,275	39,365	1,129	—	—	—	19	190	24
Montour (PA).....	841,697	1,200	—	—	—	—	311	4	—
Sunbury (PA).....	96,758	15,434	—	—	—	—	64	2	—
Susquehanna (PA).....	—	—	—	—	1,568,835	—	—	—	—
Wallenpaupack (PA).....	—	—	—	4,517	—	—	—	—	—
West Shore (PA).....	—	80	—	—	—	—	—	*	—
Williamsport (PA).....	—	63	—	—	—	—	—	*	—
<b>Piqua (City of).....</b>	<b>-37</b>	<b>-22</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>*</b>	<b>—</b>
Piqua (OH).....	-37	-22	—	—	—	—	—	*	—
<b>Placer County Wtr Agency.....</b>									
French Meadows (CA).....	—	—	—	77,652	—	—	—	—	—
Hell Hole (CA).....	—	—	—	6,247	—	—	—	—	—
Middle Fork (CA).....	—	—	—	399	—	—	—	—	—
Oxbow (CA).....	—	—	—	41,137	—	—	—	—	—
Ralston (CA).....	—	—	—	1,900	—	—	—	—	—
	—	—	—	27,969	—	—	—	—	—
<b>Plains El Gen Trans Coop.....</b>	<b>151,145</b>	<b>—</b>	<b>14</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>88</b>	<b>—</b>	<b>*</b>
Algodones (NM).....	—	—	—	—	—	—	—	—	—
Escalante (NM).....	151,145	—	14	—	—	—	88	—	*
<b>Platte River Power Auth.....</b>									
Rawhide (CO).....	171,261	34	—	—	—	—	102	*	—
	171,261	34	—	—	—	—	102	*	—
<b>Portland General Elec Co.....</b>									
Beaver (OR).....	—	12	361,269	165,949	—	—	196	1	3,111
Bethel (OR).....	—	—	216,980	—	—	—	—	*	2,050
Boardman (OR).....	353,115	600	—	—	—	—	196	1	—
Bull Run (OR).....	—	—	—	2,711	—	—	—	—	—
Coyote Springs (OR).....	—	—	144,289	—	—	—	—	—	1,061
Faraday (OR).....	—	—	—	5,135	—	—	—	—	—
North Fork (OR).....	—	—	—	6,095	—	—	—	—	—
Oak Grove (OR).....	—	—	—	19,084	—	—	—	—	—
Pelton (OR).....	—	—	—	31,822	—	—	—	—	—
Pelton Re Regulation (OR).....	—	—	—	5,208	—	—	—	—	—
Portland Hydro Proj 1 (OR).....	—	—	—	2,027	—	—	—	—	—
Portland Hydro Proj 2 (OR).....	—	—	—	—	—	—	—	—	—
River Mill (OR).....	—	—	—	3,624	—	—	—	—	—
Round Butte (OR).....	—	—	—	78,933	—	—	—	—	—
Sullivan (OR).....	—	—	—	11,310	—	—	—	—	—
<b>Potomac Edison Co (The).....</b>									
Dam 4 (WV).....	—	—	—	1,857	—	—	11	*	—
Dam 5 (WV).....	—	—	—	357	—	—	—	—	—
Luray (VA).....	—	—	—	319	—	—	—	—	—
Millville (WV).....	—	—	—	188	—	—	—	—	—
Newport (VA).....	—	—	—	664	—	—	—	—	—
Shenandoah (VA).....	—	—	—	180	—	—	—	—	—
Smith, R P (MD).....	21,904	19	—	48	—	—	11	*	—
Warren (VA).....	—	—	—	101	—	—	—	—	—
<b>Potomac Electric Pwr Co.....</b>									
Benning (DC).....	1,781,660	169,058	68,265	—	—	—	640	322	824
	—	7,840	—	—	—	—	—	20	—

See footnotes at end of table.



**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Potomac Electric Pwr Co</b>										
Buzzard Point (DC).....	—	—	-195	—	—	—	—	—	—	—
Chalk Point (MD).....	416,544	156,675	67,205	—	—	—	152	293	796	
Dickerson (MD).....	341,304	450	1,060	—	—	—	122	1	28	
Morgantown (MD).....	800,001	3,363	—	—	—	—	272	6	—	
Potomac River (VA).....	223,811	925	—	—	—	—	94	2	—	
<b>Power Authy of St of N Y.....</b>	<b>—</b>	<b>57,475</b>	<b>247,193</b>	<b>1,305,630</b>	<b>770,308</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>2,339</b>	
Ashokan (NY).....	—	—	—	695	—	—	—	—	—	
Blenheim (NY).....	—	—	—	-60,037	—	—	—	—	—	
Crescent (NY).....	—	—	—	2,579	—	—	—	—	—	
Fitzpatrick (NY).....	—	—	—	—	573,110	—	—	—	—	
Flynn (NY).....	—	—	95,902	—	—	—	—	—	752	
Hinckley (NY).....	—	—	—	763	—	—	—	—	—	
Indian Point (NY).....	—	—	—	—	197,198	—	—	—	—	
Kensico (NY).....	—	—	—	687	—	—	—	—	—	
Lewiston (NY).....	—	—	—	-34,563	—	—	—	—	—	
Moses Niagara (NY).....	—	—	—	900,013	—	—	—	—	—	
Moses Power Dam (NY).....	—	—	—	492,946	—	—	—	—	—	
Poletti (NY).....	—	57,475	151,291	—	—	—	—	100	1,587	
Vischer Ferry (NY).....	—	—	—	2,547	—	—	—	—	—	
<b>Pub Serv Co of New Hamp.....</b>	<b>128,387</b>	<b>77,325</b>	<b>13,173</b>	<b>23,532</b>	<b>—</b>	<b>—</b>	<b>62</b>	<b>146</b>	<b>161</b>	
Amoskeag (NH).....	—	—	—	6,212	—	—	—	—	—	
Ayers Island (NH).....	—	—	—	3,245	—	—	—	—	—	
Canaan (VT).....	—	—	—	498	—	—	—	—	—	
Eastman Falls (NH).....	—	—	—	1,292	—	—	—	—	—	
Garvins Falls (NH).....	—	—	—	1,915	—	—	—	—	—	
Gorham (NH).....	—	—	—	817	—	—	—	—	—	
Hooksett (NH).....	—	—	—	476	—	—	—	—	—	
Jackman (NH).....	—	—	—	833	—	—	—	—	—	
Lost Nation (NH).....	—	-11	—	—	—	—	—	—	—	
Merrimack (NH).....	76,180	3	—	—	—	—	33	*	—	
Newington (NH).....	—	68,955	11,163	—	—	—	—	130	132	
Schiller (NH).....	52,207	8,381	2,010	—	—	—	29	16	29	
Smith (NH).....	—	—	—	8,244	—	—	—	—	—	
White Lake (NH).....	—	-3	—	—	—	—	—	—	—	
<b>Pub Serv Co of New Mexico.....</b>	<b>940,233</b>	<b>3,289</b>	<b>26,927</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>538</b>	<b>6</b>	<b>339</b>	
Las Vegas (NM).....	—	92	—	—	—	—	—	*	—	
Reeves (NM).....	—	—	26,927	—	—	—	—	—	339	
San Juan (NM).....	940,233	3,197	—	—	—	—	538	6	—	
<b>Public Serv Elec &amp; Gas Co.....</b>	<b>370,674</b>	<b>-717</b>	<b>234,509</b>	<b>—</b>	<b>1,842,394</b>	<b>—</b>	<b>150</b>	<b>2</b>	<b>2,608</b>	
Bayonne (NJ).....	—	-15	—	—	—	—	—	*	—	
Bergen (NJ).....	—	—	94,438	—	—	—	—	—	772	
Burlington (NJ).....	—	31	25,307	—	—	—	—	1	299	
Edison (NJ).....	—	—	11,320	—	—	—	—	—	164	
Essex (NJ).....	—	73	33,073	—	—	—	—	*	454	
Hope Creek (NJ).....	—	—	—	—	717,988	—	—	—	—	
Hudson (NJ).....	192,259	-73	16,198	—	—	—	83	—	226	
Kearny (NJ).....	—	-32	528	—	—	—	—	1	12	
Linden (NJ).....	—	-587	19,900	—	—	—	—	—	198	
Mercer (NJ).....	178,415	-45	20,540	—	—	—	67	—	285	
National Park (NJ).....	—	-4	—	—	—	—	—	*	—	
Salem (NJ).....	—	-5	—	—	1,124,406	—	—	—	—	
Sewaren (NJ).....	—	-60	13,205	—	—	—	—	—	197	
<b>Public Service Co of Colo.....</b>	<b>1,599,551</b>	<b>364</b>	<b>99,874</b>	<b>9,623</b>	<b>—</b>	<b>—</b>	<b>889</b>	<b>1</b>	<b>908</b>	
Alamosa (CO).....	—	—	14	—	—	—	—	—	*	
Ames (CO).....	—	—	—	2,464	—	—	—	—	—	
Arapahoe (CO).....	94,432	—	3,740	—	—	—	69	—	53	
Boulder Hydro (CO).....	—	—	—	579	—	—	—	—	—	
Cabin Creek (CO).....	—	—	—	-11,146	—	—	—	—	—	
Cameo (CO).....	41,266	—	170	—	—	—	24	—	2	
Cherokee (CO).....	389,013	—	7,755	—	—	—	177	—	82	
Comanche (CO).....	398,539	—	527	—	—	—	245	—	6	
Fort Lupton (CO).....	—	65	332	—	—	—	—	*	7	

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Public Service Co of Colo</b>									
Fort St. Vrain (CO).....	—	—	85,065	—	—	—	—	—	727
Fruita (CO).....	—	—	10	—	—	—	—	—	*
Georgetown Hydro (CO).....	—	—	—	926	—	—	—	—	—
Hayden (CO).....	259,998	299	631	—	—	—	127	1	6
Palisade Hydro (CO).....	—	—	—	1,408	—	—	—	—	—
Pawnee (CO).....	332,588	—	271	—	—	—	210	—	3
Salida No. 1 Hydro (CO).....	—	—	—	474	—	—	—	—	—
Salida No. 2 Hydro (CO).....	—	—	—	389	—	—	—	—	—
Shoshone Hydro (CO).....	—	—	—	10,813	—	—	—	—	—
Tacoma (CO).....	—	—	—	3,716	—	—	—	—	—
Valmont (CO).....	83,715	—	1,330	—	—	—	37	—	15
Zuni (CO).....	—	—	29	—	—	—	—	—	6
<b>Public Service Co of Okla.....</b>	<b>543,703</b>	<b>9</b>	<b>639,539</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>322</b>	<b>*</b>	<b>6,444</b>
Comanche (OK).....	—	—	134,910	—	—	—	—	—	1,186
Northeastern (OK).....	543,703	—	202,737	—	—	—	322	—	2,074
Riverside (OK).....	—	—	197,622	—	—	—	—	—	1,886
Southwestern (OK).....	—	9	46,496	—	—	—	—	*	606
Tulsa (OK).....	—	—	56,350	—	—	—	—	—	627
Weleetka (OK).....	—	—	1,424	—	—	—	—	—	65
<b>Puget Sound Pwr &amp; Lgt Co.....</b>	<b>—</b>	<b>5</b>	<b>46,005</b>	<b>73,154</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>*</b>	<b>537</b>
Crystal Mountain (WA).....	—	3	—	—	—	—	—	*	—
Electron (WA).....	—	—	—	7,733	—	—	—	—	—
Frederickson (WA).....	—	2	11,117	—	—	—	—	*	134
Fredonia (WA).....	—	—	23,433	—	—	—	—	—	269
Lower Baker (WA).....	—	—	—	23,983	—	—	—	—	—
Nooksack (WA).....	—	—	—	—	—	—	—	—	—
Snoqualmie (WA).....	—	—	—	7,550	—	—	—	—	—
South Whidbey (WA).....	—	—	—	—	—	—	—	—	—
Upper Baker (WA).....	—	—	—	23,915	—	—	—	—	—
White River (WA).....	—	—	—	9,973	—	—	—	—	—
Whitehorn (WA).....	—	—	11,455	—	—	—	—	—	134
<b>PECO Energy Co.....</b>	<b>274,409</b>	<b>39,209</b>	<b>31,323</b>	<b>61,811</b>	<b>2,982,966</b>	<b>—</b>	<b>121</b>	<b>107</b>	<b>359</b>
Chester (PA).....	—	—	—	—	—	—	—	*	—
Conowingo (MD).....	—	—	—	91,687	—	—	—	—	—
Cromby (PA).....	56,622	14,390	4,828	—	—	—	25	30	53
Croydon (PA).....	—	125	—	—	—	—	—	1	—
Delaware (PA).....	—	1,601	—	—	—	—	—	6	—
Eddystone (PA).....	217,787	20,308	26,495	—	—	—	96	61	305
Falls (PA).....	—	—	—	—	—	—	—	—	—
Limerick (PA).....	—	—	—	—	1,653,743	—	—	—	—
Moser (PA).....	—	399	—	—	—	—	—	1	—
Muddy Run (PA).....	—	—	—	-29,876	—	—	—	—	—
Oil Storage (PA).....	—	—	—	—	—	—	—	—	—
Peach Bottom (PA).....	—	—	—	—	1,329,223	—	—	—	—
Richmond (PA).....	—	263	—	—	—	—	—	1	—
Schuylkill (PA).....	—	1,948	—	—	—	—	—	5	—
Southwark (PA).....	—	175	—	—	—	—	—	*	—
<b>PSI Energy, Inc.....</b>	<b>2,754,091</b>	<b>4,662</b>	<b>6,902</b>	<b>13,522</b>	<b>—</b>	<b>—</b>	<b>1,261</b>	<b>12</b>	<b>83</b>
Cayuga (IN).....	465,022	117	4,852	—	—	—	223	*	59
Connersville (IN).....	—	375	—	—	—	—	—	3	—
Edwardsport (IN).....	40,200	10	—	—	—	—	25	*	—
Gallagher, R (IN).....	178,119	2,000	—	—	—	—	79	4	—
Gibson (IN).....	1,736,340	1,500	—	—	—	—	785	3	—
Markland (IN).....	—	—	—	13,522	—	—	—	—	—
Miami Wabash (IN).....	—	—	—	—	—	—	—	—	—
Noblesville (IN).....	16,072	50	—	—	—	—	10	*	—
Wabash River (IN).....	318,338	610	2,050	—	—	—	140	2	24
<b>Redding (City of).....</b>	<b>—</b>	<b>—</b>	<b>6,305</b>	<b>2,372</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>93</b>
Redding Power (CA).....	—	—	6,305	—	—	—	—	—	93
Whiskeytown (CA).....	—	—	—	2,372	—	—	—	—	—
<b>Reliant Energy.....</b>	<b>2,445,254</b>	<b>—</b>	<b>2,786,519</b>	<b>—</b>	<b>1,706,398</b>	<b>—</b>	<b>1,660</b>	<b>—</b>	<b>28,411</b>

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Reliant Energy</b>										
Bertron, Sam (TX).....	—	—	161,223	—	—	—	—	—	—	1,851
Cedar Bayou (TX).....	—	—	816,619	—	—	—	—	—	—	8,282
Clarke, Hiram (TX).....	—	—	216	—	—	—	—	—	—	4
Deepwater (TX).....	—	—	17,123	—	—	—	—	—	—	209
Greens Bayou (TX).....	—	—	62,337	—	—	—	—	—	—	729
Limestone (TX).....	830,758	—	13,699	—	—	—	—	654	—	144
Oil Storage (TX).....	—	—	—	—	—	—	—	—	—	—
Parish, W A (TX).....	1,614,496	—	371,346	—	—	—	—	1,007	—	3,787
Robinson, P H (TX).....	—	—	830,702	—	—	—	—	—	—	8,473
San Jacinto (TX).....	—	—	97,489	—	—	—	—	—	—	1,201
South Texas (TX).....	—	—	—	—	1,706,398	—	—	—	—	—
Webster (TX).....	—	—	121,031	—	—	—	—	—	—	1,279
Wharton, T H (TX).....	—	—	294,734	—	—	—	—	—	—	2,453
<b>Richmond (City of).....</b>	<b>43,391</b>	<b>30</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>21</b>	<b>*</b>	<b>—</b>
Whitewater Valley (IN).....	43,391	30	—	—	—	—	—	21	*	—
<b>Rochester (City of).....</b>	<b>3,679</b>	<b>7</b>	<b>364</b>	<b>1,157</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>*</b>	<b>5</b>
Cascade Creek (MN).....	—	7	—	—	—	—	—	—	*	—
Rochester (MN).....	—	—	—	1,157	—	—	—	—	—	—
Silver Lake (MN).....	3,679	—	364	—	—	—	—	2	—	5
<b>Rochester Gas &amp; Elec Corp.....</b>	<b>114,411</b>	<b>288</b>	<b>—</b>	<b>1,558</b>	<b>348,683</b>	<b>—</b>	<b>—</b>	<b>47</b>	<b>1</b>	<b>—</b>
Ginna (NY).....	—	—	—	—	348,683	—	—	—	—	—
Station 160 (NY).....	—	—	—	54	—	—	—	—	—	—
Station 170 (NY).....	—	—	—	—	—	—	—	—	—	—
Station 172 (NY).....	—	—	—	—	—	—	—	—	—	—
Station 2 (NY).....	—	—	—	—	—	—	—	—	—	—
Station 26 (NY).....	—	—	—	159	—	—	—	—	—	—
Station 3 (NY).....	—	1	—	—	—	—	—	—	*	—
Station 5 (NY).....	—	—	—	1,345	—	—	—	—	—	—
Station 7 (NY).....	114,411	287	—	—	—	—	—	47	1	—
Station 9 (NY).....	—	—	—	—	—	—	—	—	—	—
<b>Ruston (City of).....</b>	<b>—</b>	<b>—</b>	<b>13,374</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>154</b>
Ruston (LA).....	—	—	13,374	—	—	—	—	—	—	154
<b>Sacramento Mun Util Dist.....</b>	<b>—</b>	<b>1</b>	<b>182,482</b>	<b>168,547</b>	<b>—</b>	<b>—</b>	<b>892</b>	<b>—</b>	<b>*</b>	<b>1,594</b>
Camino (CA).....	—	—	—	40,299	—	—	—	—	—	—
Camp Far W (CA).....	—	—	—	741	—	—	—	—	—	—
Campbell Soup (CA).....	—	—	104,135	—	—	—	—	—	—	768
Carson (CA).....	—	—	44,986	—	—	—	—	—	—	454
Coldwater Creek (CA).....	—	—	—	—	—	—	—	—	—	—
Hedge PV (CA).....	—	—	—	—	—	—	41	—	—	—
Jaybird (CA).....	—	—	—	62,293	—	—	—	—	—	—
Jones Fork (CA).....	—	—	—	2,334	—	—	—	—	—	—
Loon Lake (CA).....	—	—	—	8,295	—	—	—	—	—	—
McClellan (CA).....	—	1	1,326	—	—	—	—	—	*	19
Proc&Gamble (CA).....	—	—	32,035	—	—	—	—	—	—	354
Robbs Peak (CA).....	—	—	—	1,711	—	—	—	—	—	—
Slab Creek (CA).....	—	—	—	—	—	—	—	—	—	—
Solano (CA).....	—	—	—	—	—	—	714	—	—	—
Solar (CA).....	—	—	—	—	—	—	137	—	—	—
Union Valley (CA).....	—	—	—	15,908	—	—	—	—	—	—
White Rock (CA).....	—	—	—	36,966	—	—	—	—	—	—
<b>Safe Harbor Water Power Corp.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>47,634</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Safe Harbor (PA).....	—	—	—	47,634	—	—	—	—	—	—
<b>Salt River Project.....</b>	<b>2,039,096</b>	<b>1,400</b>	<b>148,986</b>	<b>52,560</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>972</b>	<b>3</b>	<b>1,539</b>
Agua Fria (AZ).....	—	—	76,379	—	—	—	—	—	—	838
Coronado (AZ).....	498,297	200	—	—	—	—	—	260	*	—
Crosscut (AZ).....	—	—	—	614	—	—	—	—	—	—
Horse Mesa (AZ).....	—	—	—	26,215	—	—	—	—	—	—
Kyrene (AZ).....	—	—	4,681	—	—	—	—	—	—	69
Mormon Flat (AZ).....	—	—	—	13,047	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Salt River Project</b>									
Navajo (AZ).....	1,540,799	1,200	—	—	—	—	712	2	—
Roosevelt (AZ).....	—	—	—	7,813	—	—	—	—	—
San Tan (AZ).....	—	—	67,926	—	—	—	—	—	632
South Con (AZ).....	—	—	—	147	—	—	—	—	—
Stewart Mtn (AZ).....	—	—	—	4,724	—	—	—	—	—
Tnk Frm Stg (AZ).....	—	—	—	—	—	—	—	—	—
<b>San Antonio Pub Serv Brd</b> .....	<b>901,369</b>	<b>79</b>	<b>618,896</b>	—	—	—	<b>546</b>	<b>*</b>	<b>6,527</b>
Braunig, V H (TX).....	—	—	268,537	—	—	—	—	—	2,777
Deely, J T (TX).....	527,129	46	—	—	—	—	328	*	—
J K Spruce (TX).....	374,240	—	150	—	—	—	219	—	2
Leon Creek (TX).....	—	—	7,148	—	—	—	—	—	89
Mission Road (TX).....	—	—	1,018	—	—	—	—	—	15
Sommers, O W (TX).....	—	33	287,485	—	—	—	—	*	3,023
Tuttle, W B (TX).....	—	—	54,558	—	—	—	—	—	620
<b>San Diego Gas &amp; Elec Co</b> .....									
Division (CA).....	—	—	—	—	—	—	—	—	—
El Cajon (CA).....	—	—	—	—	—	—	—	—	—
Encina (CA).....	—	—	—	—	—	—	—	—	—
Kearny (CA).....	—	—	—	—	—	—	—	—	—
Leased Strg (CA).....	—	—	—	—	—	—	—	—	—
Miramar (CA).....	—	—	—	—	—	—	—	—	—
Naval Station (CA).....	—	—	—	—	—	—	—	—	—
Naval Training Cntr (CA).....	—	—	—	—	—	—	—	—	—
North Island (CA).....	—	—	—	—	—	—	—	—	—
Silver Gate (CA).....	—	—	—	—	—	—	—	—	—
South Bay (CA).....	—	—	—	—	—	—	—	—	—
<b>San Miguel Elec Coop Inc</b> .....	<b>274,729</b>	<b>68</b>	—	—	—	—	<b>310</b>	<b>*</b>	—
San Miguel (TX).....	274,729	68	—	—	—	—	310	*	—
<b>Santa Clara (City of)</b> .....									
Black Butte (CA).....	—	—	—	—	—	—	—	—	—
Cogen Plant (CA).....	—	—	4,650	—	—	—	—	—	68
Gianera (CA).....	—	—	1,218	—	—	—	—	—	28
Grizzly (CA).....	—	—	—	3,359	—	—	—	—	—
Highline (CA).....	—	—	—	189	—	—	—	—	—
Stony Gorge (CA).....	—	—	—	990	—	—	—	—	—
<b>Savannah Elec &amp; Pwr Co</b> .....	<b>146,033</b>	<b>7,127</b>	<b>75,302</b>	—	—	—	<b>65</b>	<b>13</b>	<b>998</b>
Boulevard (GA).....	—	—	838	—	—	—	—	—	16
Kraft (GA).....	83,842	5,721	24,119	—	—	—	37	10	279
McIntosh (GA).....	62,191	1,406	50,345	—	—	—	28	3	703
Riverside (GA).....	—	—	—	—	—	—	—	—	—
<b>Seattle (City of)</b> .....									
Boundary (WA).....	—	—	—	389,583	—	—	—	—	—
Cedar Falls (WA).....	—	—	—	198,418	—	—	—	—	—
Diablo (WA).....	—	—	—	-55	—	—	—	—	—
Gorge (WA).....	—	—	—	53,572	—	—	—	—	—
New Halem (WA).....	—	—	—	74,734	—	—	—	—	—
Ross Dam (WA).....	—	—	—	-4	—	—	—	—	—
South Fork Tolt (WA).....	—	—	—	58,795	—	—	—	—	—
	—	—	—	4,123	—	—	—	—	—
<b>Seminole Electric Coop</b> .....	<b>743,654</b>	<b>46,820</b>	—	—	—	—	<b>302</b>	<b>4</b>	—
Seminole (FL).....	743,654	46,820	—	—	—	—	302	4	—
<b>Sierra Pacific Power Co</b> .....									
Battle Mt (NV).....	<b>361,852</b>	<b>-208</b>	<b>275,194</b>	<b>3,377</b>	—	—	<b>158</b>	<b>*</b>	<b>2,829</b>
Brunswick (NV).....	—	-314	—	—	—	—	—	—	—
Elko (NV).....	—	-34	—	—	—	—	—	*	—
Fallon (NV).....	—	-1	—	—	—	—	—	—	—
Farad (CA).....	—	—	—	-2	—	—	—	—	—
Fleish (NV).....	—	—	—	749	—	—	—	—	—
Fort Churchill (NV).....	—	—	108,230	—	—	—	—	—	1,094
Gabbs (NV).....	—	-7	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Sierra Pacific Power Co</b>										
Kings Beach (CA) .....	—	-22	—	—	—	—	—	—	*	—
Lahontan (NV) .....	—	—	—	—	—	—	—	—	—	—
North Valmy (NV) .....	361,852	200	—	—	—	—	—	158	*	—
Pinon Pine (NV) .....	—	—	57,926	—	—	—	—	—	—	476
Portola (CA) .....	—	-10	—	—	—	—	—	—	*	—
Tracy (NV) .....	—	—	109,068	—	—	—	—	—	—	1,258
Valley Road (NV) .....	—	-20	—	—	—	—	—	—	*	—
Verdi (NV) .....	—	—	—	1,279	—	—	—	—	—	—
Washoe (NV) .....	—	—	—	1,351	—	—	—	—	—	—
Winnemucca (NV) .....	—	—	-30	—	—	—	—	—	—	*
26 Foot Drop (NV) .....	—	—	—	—	—	—	—	—	—	—
<b>Sikeston (City of) .....</b>	<b>152,238</b>	<b>15</b>	—	—	—	—	—	<b>97</b>	<b>*</b>	—
Coleman, E. P. (MO) .....	—	8	—	—	—	—	—	—	*	—
Sikeston (MO) .....	152,238	7	—	—	—	—	—	97	*	—
<b>So Carolina Elec &amp; Gas Co .....</b>	<b>1,365,593</b>	<b>2,355</b>	<b>3,936</b>	<b>-20,141</b>	<b>696,677</b>	—	—	<b>535</b>	<b>5</b>	<b>47</b>
Burton (SC) .....	—	—	—	—	—	—	—	—	—	—
Canadys (SC) .....	120,437	500	150	—	—	—	—	49	1	2
Coit (SC) .....	—	—	—	—	—	—	—	—	—	—
Columbia Hydro (SC) .....	—	—	—	879	—	—	—	—	—	—
Cope (SC) .....	254,101	40	—	—	—	—	—	97	*	—
Faber Place (SC) .....	—	—	—	—	—	—	—	—	—	—
Fairfield County (SC) .....	—	—	—	-31,135	—	—	—	—	—	—
Hagood (SC) .....	—	—	2,505	—	—	—	—	—	—	33
Hardeeville (SC) .....	—	—	—	—	—	—	—	—	—	—
Memeekin (SC) .....	138,600	25	—	—	—	—	—	51	*	—
Neal Shoals (SC) .....	—	—	—	99	—	—	—	—	—	—
Parr (SC) .....	—	—	—	—	—	—	—	—	—	—
Parr Hydro (SC) .....	—	—	—	1,353	—	—	—	—	—	—
Saluda Hydro (SC) .....	—	—	—	2,634	—	—	—	—	—	—
Stevens Creek Hydro (GA) .....	—	—	—	6,029	—	—	—	—	—	—
SRS (SC) .....	13,283	80	—	—	—	—	—	15	*	—
Urquhart (SC) .....	123,144	10	1,273	—	—	—	—	50	*	12
V. C. Summer (SC) .....	—	—	—	—	696,677	—	—	—	—	—
Wateree (SC) .....	411,013	200	—	—	—	—	—	155	1	—
Williams (SC) .....	305,015	1,500	8	—	—	—	—	117	3	*
<b>So Carolina Pub Serv Auth .....</b>	<b>1,385,561</b>	<b>8,685</b>	<b>253</b>	<b>15,051</b>	—	—	—	<b>532</b>	<b>20</b>	<b>6</b>
Cross (SC) .....	663,647	412	—	—	—	—	—	246	1	—
Grainger, Dolphus M (SC) .....	37,716	49	—	—	—	—	—	15	*	—
Hilton Head (SC) .....	—	131	—	—	—	—	—	—	1	—
Jefferies (SC) .....	127,003	6,287	—	13,780	—	—	—	51	14	—
Myrtle Beach (SC) .....	—	559	253	—	—	—	—	—	2	6
Spillway (SC) .....	—	—	—	1,271	—	—	—	—	—	—
St Stephens (SC) .....	—	—	—	—	—	—	—	—	—	—
Winyah (SC) .....	557,195	1,247	—	—	—	—	—	220	2	—
<b>Somerset Operations Inc .....</b>	<b>70,719</b>	<b>181</b>	—	—	—	—	—	<b>26</b>	<b>*</b>	—
Somerset (MA) .....	70,719	181	—	—	—	—	—	26	*	—
<b>South Miss Elec Pwr Assoc .....</b>	<b>186,758</b>	<b>235</b>	<b>61,301</b>	—	—	—	—	<b>83</b>	<b>*</b>	<b>720</b>
Benndale (MS) .....	—	—	—	—	—	—	—	—	—	—
Morrow (MS) .....	186,758	230	—	—	—	—	—	83	*	—
Moselle (MS) .....	—	5	61,301	—	—	—	—	—	*	720
Paulding (MS) .....	—	—	—	—	—	—	—	—	—	—
<b>Southern Calif Edison Co .....</b>	<b>909,743</b>	<b>2,462</b>	<b>3,357</b>	<b>385,656</b>	<b>1,597,757</b>	—	—	<b>417</b>	<b>5</b>	<b>32</b>
Baker Dam (CA) .....	—	—	—	—	—	—	—	—	—	—
Big Creek 1 (CA) .....	—	—	—	51,700	—	—	—	—	—	—
Big Creek 2 (CA) .....	—	—	—	34,457	—	—	—	—	—	—
Big Creek 2a (CA) .....	—	—	—	52,021	—	—	—	—	—	—
Big Creek 3 (CA) .....	—	—	—	68,801	—	—	—	—	—	—
Big Creek 4 (CA) .....	—	—	—	37,343	—	—	—	—	—	—
Big Creek 8 (CA) .....	—	—	—	30,385	—	—	—	—	—	—
Bishop Creek 2 (CA) .....	—	—	—	3,173	—	—	—	—	—	—
Bishop Creek 3 (CA) .....	—	—	—	2,940	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Southern Calif Edison Co</b>									
Bishop Creek 4 (CA).....	—	—	—	4,117	—	—	—	—	—
Bishop Creek 5 (CA).....	—	—	—	1,589	—	—	—	—	—
Bishop Creek 6 (CA).....	—	—	—	1,130	—	—	—	—	—
Borel (CA).....	—	—	—	5,217	—	—	—	—	—
Dominguez Hills (CA).....	—	—	—	—	—	—	—	—	—
Eastwood (CA).....	—	—	—	21,331	—	—	—	—	—
Fontana (CA).....	—	—	—	321	—	—	—	—	—
Kaweah 1 (CA).....	—	—	—	400	—	—	—	—	—
Kaweah 2 (CA).....	—	—	—	—	—	—	—	—	—
Kaweah 3 (CA).....	—	—	—	312	—	—	—	—	—
Kern River 1 (CA).....	—	—	—	16,369	—	—	—	—	—
Kern River 3 (CA).....	—	—	—	-16	—	—	—	—	—
Lundy (CA).....	—	—	—	366	—	—	—	—	—
Lytle Creek (CA).....	—	—	—	153	—	—	—	—	—
Mammoth Pool (CA).....	—	—	—	41,499	—	—	—	—	—
Mill Creek 1 (CA).....	—	—	—	313	—	—	—	—	—
Mill Creek 2&3 (CA).....	—	—	—	—	—	—	—	—	—
Mill Creek 3 (CA).....	—	—	—	421	—	—	—	—	—
Mohave (NV).....	909,743	—	3,357	—	—	—	417	—	32
Ontario 1 (CA).....	—	—	—	132	—	—	—	—	—
Ontario 2 (CA).....	—	—	—	67	—	—	—	—	—
Pebbly Beach (CA).....	—	2,462	—	—	—	—	—	5	—
Poole (CA).....	—	—	—	1,426	—	—	—	—	—
Portal (CA).....	—	—	—	4,868	—	—	—	—	—
Rush Creek (CA).....	—	—	—	3,484	—	—	—	—	—
San Geronio (CA).....	—	—	—	-1	—	—	—	—	—
San Geronio (CA).....	—	—	—	—	—	—	—	—	—
San Onofre (CA).....	—	—	—	—	1,597,757	—	—	—	—
Santa Ana 1 (CA).....	—	—	—	370	—	—	—	—	—
Santa Ana 3 (CA).....	—	—	—	49	—	—	—	—	—
Sierra (CA).....	—	—	—	80	—	—	—	—	—
Tule River (CA).....	—	—	—	839	—	—	—	—	—
<b>Southern Ill Pwr Coop</b> .....	<b>112,488</b>	<b>100</b>	—	—	—	—	<b>66</b>	*	—
Marion (IL).....	112,488	100	—	—	—	—	66	*	—
<b>Southern Indiana G &amp; E Co</b> .....	<b>528,483</b>	—	<b>10,169</b>	—	—	—	<b>249</b>	—	<b>141</b>
A. B. Brown (IN).....	264,967	—	3,819	—	—	—	122	—	46
Broadway (IN).....	—	—	5,389	—	—	—	—	—	83
Culley (IN).....	218,198	—	400	—	—	—	106	—	5
Northeast (IN).....	—	—	82	—	—	—	—	—	2
Warrick (IN).....	45,318	—	479	—	—	—	21	—	5
<b>Southwestern Elec Pwr Co</b> .....	<b>1,657,449</b>	<b>1,364</b>	<b>445,775</b>	—	—	—	<b>1,090</b>	<b>2</b>	<b>4,570</b>
Arsenal Hill (LA).....	—	—	20,504	—	—	—	—	—	235
Flint Creek (AR).....	358,764	14	—	—	—	—	217	*	—
Knox Lee (TX).....	—	—	111,254	—	—	—	—	—	1,151
Lieberman (LA).....	—	—	111,254	—	—	—	—	—	1,151
Lone Star (TX).....	—	—	—	—	—	—	—	—	—
Pirkey (TX).....	399,849	—	1,203	—	—	—	327	—	13
Welsh (TX).....	898,836	1,350	—	—	—	—	546	2	—
Wilkes (TX).....	—	—	201,560	—	—	—	—	—	2,022
<b>Southwestern Pub Serv Co</b> .....	<b>1,398,285</b>	—	<b>512,210</b>	—	—	—	<b>844</b>	—	<b>5,400</b>
Carlsbad (NM).....	—	—	—	—	—	—	—	—	—
Cunningham (NM).....	—	—	111,593	—	—	—	—	—	1,158
Harrington (TX).....	700,786	—	664	—	—	—	444	—	7
Jones (TX).....	—	—	163,411	—	—	—	—	—	1,667
Maddox (NM).....	—	—	55,950	—	—	—	—	—	620
Moore County (TX).....	—	—	4,150	—	—	—	—	—	176
Nichols (TX).....	—	—	112,186	—	—	—	—	—	1,121
Plant X (TX).....	—	—	64,182	—	—	—	—	—	624
Riverview (TX).....	—	—	74	—	—	—	—	—	28
Tolk Station (TX).....	697,499	—	—	—	—	—	400	—	—
Tucumcari (NM).....	—	—	—	—	—	—	—	—	—
<b>Springfield (City of)</b> .....	<b>164,357</b>	<b>89</b>	<b>1,627</b>	—	—	—	<b>90</b>	*	<b>5</b>

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Springfield (City of)</b>										
Dallman (IL) .....	153,374	51	—	—	—	—	—	83	*	—
Factory (IL) .....	—	—	—	—	—	—	—	—	—	—
Interstate (IL) .....	—	20	1,627	—	—	—	—	—	*	5
Lakeside (IL) .....	10,983	18	—	—	—	—	—	7	*	—
Reynolds (IL) .....	—	—	—	—	—	—	—	—	*	—
<b>Springfield (City of) .....</b>	<b>244,771</b>	<b>—</b>	<b>18,841</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>150</b>	<b>—</b>	<b>233</b>
James River (MO) .....	131,436	—	15,152	—	—	—	—	82	—	189
Main Street (MO) .....	—	—	—	—	—	—	—	—	—	—
Southwest (MO) .....	113,335	—	3,689	—	—	—	—	68	—	44
<b>St Joseph Lgt &amp; Pwr Co. ....</b>	<b>40,780</b>	<b>59</b>	<b>1,939</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>26</b>	<b>*</b>	<b>48</b>
Lake Road (MO) .....	40,780	59	1,939	—	—	—	—	26	*	48
<b>Sunflower Elec Coop .....</b>	<b>200,899</b>	<b>—</b>	<b>3,340</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>120</b>	<b>—</b>	<b>42</b>
Garden City (KS) .....	—	—	2,556	—	—	—	—	—	—	34
Holcomb (KS) .....	200,899	—	784	—	—	—	—	120	—	8
<b>Superior Wtr Lt Pwr Co. ....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Winslow (WI) .....	—	—	—	—	—	—	—	—	—	—
<b>Systems Energy Resources</b>										
<b>Inc .....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>890,449</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Grand Gulf (MS) .....	—	—	—	—	890,449	—	—	—	—	—
<b>Tacoma (City of) .....</b>										
Alder (WA) .....	—	—	—	206,304	—	—	—	—	—	—
Cushman 1 (WA) .....	—	—	—	12,631	—	—	—	—	—	—
Cushman 2 (WA) .....	—	—	—	17,748	—	—	—	—	—	—
La Grande (WA) .....	—	—	—	31,213	—	—	—	—	—	—
Mayfield (WA) .....	—	—	—	18,412	—	—	—	—	—	—
Mossyrock (WA) .....	—	—	—	44,325	—	—	—	—	—	—
Steam Plant 2 (WA) .....	—	—	—	79,021	—	—	—	—	—	—
Wynoochee (WA) .....	—	—	—	2,954	—	—	—	—	—	—
<b>Tallahassee (City of) .....</b>										
Hopkins, Arvah B (FL) .....	—	14,067	130,817	-22	—	—	—	—	25	1,436
Jackson Bluff (FL) .....	—	9,613	110,676	—	—	—	—	—	16	1,162
Purdom, S O (FL) .....	—	—	—	-22	—	—	—	—	—	—
Purdom, S O (FL) .....	—	4,454	20,141	—	—	—	—	—	9	273
<b>Tampa Electric Co .....</b>										
Big Bend (FL) .....	1,514,596	29,631	—	—	—	—	—	748	77	—
Coal Storage (FL) .....	843,725	4,326	—	—	—	—	—	381	13	—
Gannon, F J (FL) .....	500,675	2,426	—	—	—	—	—	292	6	—
Hookers Point (FL) .....	—	22,218	—	—	—	—	—	—	58	—
Polk (FL) .....	170,196	661	—	—	—	—	—	75	1	—
S Dinner Lk (FL) .....	—	—	—	—	—	—	—	—	—	—
S Phillips (FL) .....	—	—	—	—	—	—	—	—	—	—
<b>Taunton (City of) .....</b>										
Cleary, B F (MA) .....	—	963	7,429	—	—	—	—	—	2	95
Cleary, B F (MA) .....	—	963	7,429	—	—	—	—	—	2	95
<b>Tennessee Valley Auth. ....</b>										
Allen (TN) .....	7,720,583	23,184	35,710	747,739	3,940,450	—	—	3,330	64	373
Apalachia (TN) .....	268,882	1,450	11,789	—	—	—	—	134	3	174
Blue Ridge (GA) .....	—	—	—	39,655	—	—	—	—	—	—
Boone (TN) .....	—	—	—	2,655	—	—	—	—	—	—
Browns Ferry (AL) .....	—	—	—	12,337	—	—	—	—	—	—
Bull Run (TN) .....	—	—	—	—	1,505,394	—	—	—	—	—
Chatuge (NC) .....	619,007	—	—	—	—	—	—	217	—	—
Cherokee (TN) .....	—	—	—	2,240	—	—	—	—	—	—
Chickamauga (TN) .....	—	—	—	28,030	—	—	—	—	—	—
Colbert (AL) .....	—	—	—	50,309	—	—	—	—	—	—
Cumberland (TN) .....	720,998	1,250	23,921	—	—	—	—	326	3	199
Douglas (TN) .....	1,330,561	2,384	—	—	—	—	—	552	4	—
Fontana (NC) .....	—	—	—	23,743	—	—	—	—	—	—
Fort Loudoun (TN) .....	—	—	—	83,227	—	—	—	—	—	—
Fort Loudoun (TN) .....	—	—	—	55,222	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Tennessee Valley Auth</b>									
Fort Patrick Henry (TN).....	—	—	—	7,693	—	—	—	—	—
Gallatin (TN).....	622,114	5,885	—	—	—	—	300	13	—
Great Falls (TN).....	—	—	—	-5	—	—	—	—	—
Guntersville (AL).....	—	—	—	40,143	—	—	—	—	—
Hiwassee (NC).....	—	—	—	18,713	—	—	—	—	—
Johnsonville (TN).....	529,402	8,414	—	—	—	—	233	34	—
Kentucky (KY).....	—	—	—	54,589	—	—	—	—	—
Kingston (TN).....	882,939	862	—	—	—	—	348	1	—
Melton Hill (TN).....	—	—	—	9,482	—	—	—	—	—
Nickajack (TN).....	—	—	—	38,500	—	—	—	—	—
Norris (TN).....	—	—	—	35,416	—	—	—	—	—
Nottely (GA).....	—	—	—	2,644	—	—	—	—	—
Ocoee 1 (TN).....	—	—	—	3,111	—	—	—	—	—
Ocoee 2 (TN).....	—	—	—	3,927	—	—	—	—	—
Ocoee 3 (TN).....	—	—	—	8,025	—	—	—	—	—
Paradise (KY).....	954,565	344	—	—	—	—	430	1	—
Pickwick (TN).....	—	—	—	57,908	—	—	—	—	—
Raccoon Mountain (TN).....	—	—	—	-63,118	—	—	—	—	—
Sequoyah (TN).....	—	—	—	—	1,623,551	—	—	—	—
Sevier, John (TN).....	434,088	200	—	—	—	—	170	*	—
Shawnee (KY).....	622,955	1,948	—	—	—	—	299	3	—
South Holston (TN).....	—	—	—	11,106	—	—	—	—	—
Tims Ford (TN).....	—	—	—	1	—	—	—	—	—
Watauga (TN).....	—	—	—	9,309	—	—	—	—	—
Watts Bar (TN).....	-67	—	—	—	—	—	—	—	—
Watts Bar (TN).....	—	—	—	55,162	—	—	—	—	—
Watts Bar (TN).....	—	—	—	—	811,505	—	—	—	—
Wheeler (AL).....	—	—	—	53,185	—	—	—	—	—
Widows Creek (AL).....	735,139	447	—	—	—	—	321	1	—
Wilbur (TN).....	—	—	—	1,546	—	—	—	—	—
Wilson (AL).....	—	—	—	102,984	—	—	—	—	—
<b>Terrebonne Parish Consol</b>									
Govt.....	—	-25	11,344	—	—	—	—	—	142
Houma (LA).....	—	-25	11,344	—	—	—	—	—	142
<b>Texas Mun Power Agency</b>									
Gibbons Creek (TX).....	303,390	—	—	—	—	—	184	—	—
<b>Texas Utilities Elec Co.</b>									
Big Brown (TX).....	3,629,976	2,601	3,565,966	—	1,418,798	—	3,092	6	37,170
Collin (TX).....	623,425	—	7,100	—	—	—	504	—	74
Comanche Peak (TX).....	—	—	3,674	—	—	—	—	—	34
De Cordova (TX).....	—	—	431,552	—	1,418,798	—	—	—	—
Eagle Mountain (TX).....	—	—	79,566	—	—	—	—	—	4,205
Graham (TX).....	—	—	279,966	—	—	—	—	—	1,020
Handley (TX).....	—	—	299,641	—	—	—	—	—	2,753
Lake Creek (TX).....	—	—	79,680	—	—	—	—	—	3,389
Lake Hubbard (TX).....	—	—	265,506	—	—	—	—	—	1,040
Martin Lake (TX).....	1,385,013	2,000	—	—	—	—	1,183	4	2,923
Monticello (TX).....	1,229,098	200	—	—	—	—	1,078	*	—
Morgan Creek (TX).....	—	400	172,800	—	—	—	—	1	1,780
Mountain Creek (TX).....	—	—	271,848	—	—	—	—	—	2,726
North Lake (TX).....	—	—	155,653	—	—	—	—	—	1,740
North Main (TX).....	—	—	3,259	—	—	—	—	—	56
Parkdale (TX).....	—	—	31,381	—	—	—	—	—	462
Permian Basin (TX).....	—	—	304,536	—	—	—	—	—	3,091
River Crest (TX).....	—	—	5,549	—	—	—	—	—	68
Sandow (TX).....	392,440	1	—	—	—	—	327	*	—
Stryker Creek (TX).....	—	—	270,694	—	—	—	—	—	2,525
Tradinghouse Creek (TX).....	—	—	515,135	—	—	—	—	—	5,150
Trinidad (TX).....	—	—	47,915	—	—	—	—	—	536
Valley (TX).....	—	—	340,511	—	—	—	—	—	3,596
<b>Texas-New Mexico Power Co</b>									
Lordsburg (NM).....	124,364	—	—	—	—	—	105	—	1
TNP One (TX).....	124,364	—	—	—	—	—	105	—	1

See footnotes at end of table.



**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Toledo Edison Co (The)</b> .....	<b>213,204</b>	<b>518</b>	<b>33</b>	—	<b>638,288</b>	—	<b>125</b>	<b>1</b>	*
Acme (OH).....	—	—	—	—	—	—	—	—	—
Bay Shore (OH).....	213,204	426	—	—	—	—	125	1	—
Davis-Besse (OH).....	—	—	—	—	638,288	—	—	—	—
Richland (OH).....	—	31	33	—	—	—	—	*	*
Stryker (OH).....	—	61	—	—	—	—	—	*	—
<b>Tri-state G &amp; T Assn Inc.</b> .....	<b>807,633</b>	<b>316</b>	<b>330</b>	—	—	—	<b>402</b>	<b>1</b>	<b>3</b>
Burlington (CO).....	—	286	—	—	—	—	—	1	—
Craig (CO).....	789,551	—	330	—	—	—	391	—	3
Nucla (CO).....	18,082	30	—	—	—	—	10	*	—
<b>Tucson Electric Power Co.</b> .....	<b>586,362</b>	—	<b>58,021</b>	—	—	—	<b>300</b>	—	<b>686</b>
De Moss Petrie (AZ).....	—	—	—	—	—	—	—	—	—
Irvington (AZ).....	56,833	—	57,932	—	—	—	26	—	683
North Loop (AZ).....	—	—	89	—	—	—	—	—	3
Springerville (AZ).....	529,529	—	—	—	—	—	274	—	—
<b>Turlock Irrigation Dist.</b> .....	—	—	<b>16,553</b>	<b>28,747</b>	—	—	—	—	<b>156</b>
Almond (CA).....	—	—	16,260	—	—	—	—	—	151
Hickman (CA).....	—	—	—	441	—	—	—	—	—
Lagrange (CA).....	—	—	—	1,442	—	—	—	—	—
New Don Pedro (CA).....	—	—	—	24,873	—	—	—	—	—
Turlock Lake (CA).....	—	—	—	932	—	—	—	—	—
Uppr Dawson (CA).....	—	—	—	1,059	—	—	—	—	—
Walnut (CA).....	—	—	293	—	—	—	—	—	5
<b>Union Electric Co.</b> .....	<b>2,446,368</b>	<b>2,845</b>	<b>4,270</b>	<b>58,826</b>	<b>763,523</b>	<b>4,798</b>	<b>1,466</b>	<b>8</b>	<b>77</b>
Callaway (MO).....	—	—	—	—	763,523	—	—	—	—
Howard Bend (MO).....	—	180	—	—	—	—	—	1	—
Jefferson City (MO).....	—	411	—	—	—	—	—	1	—
Keokuk (IA).....	—	—	—	77,885	—	—	—	—	—
Kirksville (MO).....	—	—	84	—	—	—	—	—	2
Labadie (MO).....	1,088,009	449	—	—	—	—	667	1	—
Meramec (MO).....	200,594	264	2,759	—	—	—	130	1	32
Mexico (MO).....	—	421	—	—	—	—	—	1	—
Moberly (MO).....	—	158	—	—	—	—	—	1	—
Moreau (MO).....	—	159	—	—	—	—	—	1	—
Osage (MO).....	—	—	—	2,325	—	—	—	—	—
Portable (MO).....	—	—	—	—	—	—	—	—	—
Rush Island (MO).....	618,585	677	—	—	—	—	376	1	—
Sioux (MO).....	539,180	11	—	—	—	4,798	292	*	—
Taum Sauk (MO).....	—	—	—	-21,384	—	—	—	—	—
Venice No. 2 (IL).....	—	115	1,371	—	—	—	—	1	42
Viaduct (MO).....	—	—	56	—	—	—	—	—	1
<b>United Illuminating Co.</b> .....	—	—	—	—	—	—	—	—	—
Bridgeport Harbor (CT).....	—	—	—	—	—	—	—	—	—
English (CT).....	—	—	—	—	—	—	—	—	—
New Haven Harbor (CT).....	—	—	—	—	—	—	—	—	—
<b>United Power Assn.</b> .....	<b>102,753</b>	<b>106</b>	<b>600</b>	—	—	<b>13,066</b>	<b>84</b>	<b>1</b>	<b>6</b>
Cambridge (MN).....	—	3	—	—	—	—	—	*	—
Elk River (MN).....	—	—	600	—	—	13,066	—	—	6
Maple Lake (MN).....	—	45	—	—	—	—	—	*	—
Rock Lake (MN).....	—	32	—	—	—	—	—	*	—
Stanton (ND).....	102,753	26	—	—	—	—	84	*	—
<b>Utilicorp United Inc.</b> .....	<b>182,275</b>	<b>114</b>	<b>9,678</b>	—	—	—	<b>92</b>	<b>*</b>	<b>135</b>
Green, Ralph (MO).....	—	—	2,160	—	—	—	—	—	32
Greenwood (MO).....	—	—	7,225	—	—	—	—	—	99
Kci (MO).....	—	—	293	—	—	—	—	—	5
Nevada (MO).....	—	14	—	—	—	—	—	*	—
Sibley (MO).....	182,275	100	—	—	—	—	92	*	—
<b>UtiliCorp United Inc.</b> .....	<b>16,059</b>	<b>-16</b>	<b>42,178</b>	—	—	—	<b>9</b>	<b>*</b>	<b>628</b>
Cimarron River (KS).....	—	—	5,627	—	—	—	—	—	127
Clark, W N (CO).....	16,059	—	—	—	—	—	9	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>UtiliCorp United Inc</b>									
Clifton (KS) .....	—	—	1,936	—	—	—	—	—	35
Judson Large (KS) .....	—	—	24,646	—	—	—	—	—	322
Mullergren, Arthur (KS) .....	—	—	9,969	—	—	—	—	—	144
Pueblo (CO) .....	—	-11	—	—	—	—	—	*	—
Rocky Ford (CO) .....	—	-5	—	—	—	—	—	*	—
<b>USBR-Great Plains Region</b> .....	—	—	—	<b>190,473</b>	—	—	—	—	—
Alcova (WY) .....	—	—	—	8,155	—	—	—	—	—
Big Thompson (CO) .....	—	—	—	800	—	—	—	—	—
Boysen (WY) .....	—	—	—	9,120	—	—	—	—	—
Buffalo Bill (WY) .....	—	—	—	7,930	—	—	—	—	—
Canyon Ferry (MT) .....	—	—	—	26,619	—	—	—	—	—
Estes (CO) .....	—	—	—	229	—	—	—	—	—
Flatiron (CO) .....	—	—	—	4,324	—	—	—	—	—
Fremont Canyon (WY) .....	—	—	—	18,151	—	—	—	—	—
Glendo (WY) .....	—	—	—	5,929	—	—	—	—	—
Green Mountain (CO) .....	—	—	—	7,557	—	—	—	—	—
Guernsey (WY) .....	—	—	—	3,291	—	—	—	—	—
Heart Mountain (WY) .....	—	—	—	3,795	—	—	—	—	—
Kortes (WY) .....	—	—	—	7,226	—	—	—	—	—
Marys Lake (CO) .....	—	—	—	65	—	—	—	—	—
Mount Elbert (CO) .....	—	—	—	-12,340	—	—	—	—	—
Pilot Butte (WY) .....	—	—	—	982	—	—	—	—	—
Pole Hill (CO) .....	—	—	—	367	—	—	—	—	—
Seminole (WY) .....	—	—	—	7,518	—	—	—	—	—
Shoshone (WY) .....	—	—	—	2,063	—	—	—	—	—
Spirit Mountain (WY) .....	—	—	—	3,152	—	—	—	—	—
Yellowtail (MT) .....	—	—	—	85,540	—	—	—	—	—
<b>USBR-Lower Colorado Region</b> .....	—	—	—	<b>494,831</b>	—	—	—	—	—
Davis (AZ) .....	—	—	—	109,725	—	—	—	—	—
Hoover (AZ) .....	—	—	—	166,465	—	—	—	—	—
Hoover (NV) .....	—	—	—	166,240	—	—	—	—	—
Parker (CA) .....	—	—	—	52,401	—	—	—	—	—
<b>USBR-Mid Pacific Region</b> .....	—	—	—	<b>401,477</b>	—	—	—	—	—
Folsom (CA) .....	—	—	—	35,066	—	—	—	—	—
Judge F Carr (CA) .....	—	—	—	52,695	—	—	—	—	—
Keswick (CA) .....	—	—	—	33,537	—	—	—	—	—
Lewiston (CA) .....	—	—	—	241	—	—	—	—	—
New Melones (CA) .....	—	—	—	44,338	—	—	—	—	—
Nimbus (CA) .....	—	—	—	3,036	—	—	—	—	—
O Neill (CA) .....	—	—	—	-5,556	—	—	—	—	—
Shasta (CA) .....	—	—	—	138,200	—	—	—	—	—
Spring Creek (CA) .....	—	—	—	46,949	—	—	—	—	—
Stampede (CA) .....	—	—	—	668	—	—	—	—	—
Trinity (CA) .....	—	—	—	52,303	—	—	—	—	—
<b>USBR-Pacific NW Region</b> .....	—	—	—	<b>2,045,145</b>	—	—	—	—	—
Anderson Ranch (ID) .....	—	—	—	6,541	—	—	—	—	—
Black Canyon (ID) .....	—	—	—	2,629	—	—	—	—	—
Boise River Div (ID) .....	—	—	—	—	—	—	—	—	—
Chandler (WA) .....	—	—	—	3,981	—	—	—	—	—
Grand Coulee (WA) .....	—	—	—	1,811,418	—	—	—	—	—
Green Springs (OR) .....	—	—	—	6,786	—	—	—	—	—
Hungry Horse (MT) .....	—	—	—	104,555	—	—	—	—	—
Minidoka (ID) .....	—	—	—	14,820	—	—	—	—	—
Palisades (ID) .....	—	—	—	91,438	—	—	—	—	—
Roza (WA) .....	—	—	—	2,977	—	—	—	—	—
<b>USBR-Upper Colorado Region</b> .....	—	—	—	<b>739,056</b>	—	—	—	—	—
Blue Mesa (CO) .....	—	—	—	41,923	—	—	—	—	—
Crystal (CO) .....	—	—	—	17,036	—	—	—	—	—
Deer Creek (UT) .....	—	—	—	3,444	—	—	—	—	—
Elephant Butte (NM) .....	—	—	—	7,546	—	—	—	—	—
Flaming Gorge (UT) .....	—	—	—	44,937	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)  Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>USBR-Upper Colorado Region</b>									
Fontenelle (WY).....	—	—	—	6,348	—	—	—	—	—
Glen Canyon (AZ).....	—	—	—	562,454	—	—	—	—	—
Lower Molina (CO).....	—	—	—	1,922	—	—	—	—	—
McPhee (CO).....	—	—	—	135	—	—	—	—	—
Morrow Point (CO).....	—	—	—	47,346	—	—	—	—	—
Towaoc (CO).....	—	—	—	2,844	—	—	—	—	—
Upper Molina (CO).....	—	—	—	3,121	—	—	—	—	—
<b>USCE-Fort Worth District.....</b>				<b>16,284</b>					
R D Willis (TX).....	—	—	—	4,603	—	—	—	—	—
Sam Rayburn (TX).....	—	—	—	11,750	—	—	—	—	—
Whitney (TX).....	—	—	—	-69	—	—	—	—	—
<b>USCE-Hartwell Power Plant.....</b>				<b>24,836</b>					
Hartwell (GA).....	—	—	—	24,836	—	—	—	—	—
<b>USCE-J Strom Thur Pwr Plt.....</b>				<b>40,731</b>					
J Strom Thurmond (SC).....	—	—	—	40,731	—	—	—	—	—
<b>USCE-Kansas City Dist.....</b>				<b>-37</b>					
Harry S Truman (MO).....	—	—	—	-304	—	—	—	—	—
Stockton (MO).....	—	—	—	267	—	—	—	—	—
<b>USCE-Little Rock.....</b>				<b>112,557</b>					
Beaver (AR).....	—	—	—	4,022	—	—	—	—	—
Bull Shoals (AR).....	—	—	—	40,218	—	—	—	—	—
Dardanelle (AR).....	—	—	—	22,273	—	—	—	—	—
Greers Ferry (AR).....	—	—	—	3,131	—	—	—	—	—
Norfolk (AR).....	—	—	—	4,246	—	—	—	—	—
Ozark (AR).....	—	—	—	15,462	—	—	—	—	—
Table Rock (MO).....	—	—	—	23,205	—	—	—	—	—
<b>USCE-Missouri River District.....</b>				<b>1,066,031</b>					
Big Bend (SD).....	—	—	—	129,454	—	—	—	—	—
Fort Peck (MT).....	—	—	—	57,666	—	—	—	—	—
Fort Randall (SD).....	—	—	—	243,546	—	—	—	—	—
Garrison (ND).....	—	—	—	209,341	—	—	—	—	—
Gavins Point (NE).....	—	—	—	76,519	—	—	—	—	—
Oahe (SD).....	—	—	—	349,505	—	—	—	—	—
<b>USCE-Mobile District.....</b>				<b>104,332</b>					
Allatoona (GA).....	—	—	—	3,044	—	—	—	—	—
Buford (GA).....	—	—	—	10,692	—	—	—	—	—
Carters (GA).....	—	—	—	36,051	—	—	—	—	—
J Woodruff (FL).....	—	—	—	7,410	—	—	—	—	—
Jones Bluff (AL).....	—	—	—	11,306	—	—	—	—	—
Millers Ferry (AL).....	—	—	—	13,658	—	—	—	—	—
Walter F George (GA).....	—	—	—	12,895	—	—	—	—	—
West Point (GA).....	—	—	—	9,276	—	—	—	—	—
<b>USCE-Nashville.....</b>				<b>157,958</b>					
Barkley (KY).....	—	—	—	30,711	—	—	—	—	—
Center Hill (TN).....	—	—	—	11,518	—	—	—	—	—
Cheatham (TN).....	—	—	—	11,169	—	—	—	—	—
Cordell Hull (TN).....	—	—	—	22,092	—	—	—	—	—
Dale Hollow (TN).....	—	—	—	9,303	—	—	—	—	—
J Percy Priest (TN).....	—	—	—	—	—	—	—	—	—
Laurel (KY).....	—	—	—	2,348	—	—	—	—	—
Old Hickory (TN).....	—	—	—	25,037	—	—	—	—	—
Wolf Creek (KY).....	—	—	—	45,780	—	—	—	—	—
<b>USCE-North Pacific Div.....</b>				<b>4,091,690</b>					
Albeni Falls (ID).....	—	—	—	19,751	—	—	—	—	—
Big Cliff (OR).....	—	—	—	9,270	—	—	—	—	—
Bonneville (OR).....	—	—	—	442,894	—	—	—	—	—
Chief Joseph (WA).....	—	—	—	954,710	—	—	—	—	—
Cougar (OR).....	—	—	—	13,563	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>USCE-North Pacific Div</b>										
Detroit (OR).....	—	—	—	38,516	—	—	—	—	—	—
Dexter (OR).....	—	—	—	2,105	—	—	—	—	—	—
Dworshak (ID).....	—	—	—	83,228	—	—	—	—	—	—
Foster (OR).....	—	—	—	4,361	—	—	—	—	—	—
Green Peter (OR).....	—	—	—	12,764	—	—	—	—	—	—
Hills Creek (OR).....	—	—	—	18,597	—	—	—	—	—	—
Ice Harbor (WA).....	—	—	—	111,920	—	—	—	—	—	—
John Day (OR).....	—	—	—	735,923	—	—	—	—	—	—
Libby (MT).....	—	—	—	213,823	—	—	—	—	—	—
Little Goose (WA).....	—	—	—	112,152	—	—	—	—	—	—
Lookout Point (OR).....	—	—	—	24,519	—	—	—	—	—	—
Lost Creek (OR).....	—	—	—	18,246	—	—	—	—	—	—
Lower Granite (WA).....	—	—	—	115,275	—	—	—	—	—	—
Lower Monumental (WA).....	—	—	—	114,200	—	—	—	—	—	—
McNary (OR).....	—	—	—	469,538	—	—	—	—	—	—
The Dalles (WA).....	—	—	—	576,335	—	—	—	—	—	—
<b>USCE-R B Russell.....</b>	—	—	—	<b>31,627</b>	—	—	—	—	—	—
R B Russell (GA).....	—	—	—	31,627	—	—	—	—	—	—
<b>USCE-Tulsa District.....</b>	—	—	—	<b>74,069</b>	—	—	—	—	—	—
Broken Bow (OK).....	—	—	—	5,036	—	—	—	—	—	—
Denison (TX).....	—	—	—	4,200	—	—	—	—	—	—
Eufaula (OK).....	—	—	—	7,639	—	—	—	—	—	—
Fort Gibson (OK).....	—	—	—	2,499	—	—	—	—	—	—
Keystone (OK).....	—	—	—	19,229	—	—	—	—	—	—
Robert S Kerr (OK).....	—	—	—	22,223	—	—	—	—	—	—
Tenkiller Ferry (OK).....	—	—	—	2,712	—	—	—	—	—	—
Webbers Falls (OK).....	—	—	—	10,531	—	—	—	—	—	—
<b>USCE-Vickburg District.....</b>	—	—	—	<b>11,283</b>	—	—	—	—	—	—
Blakely Mountain (AR).....	—	—	—	8,394	—	—	—	—	—	—
Degray (AR).....	—	—	—	1,739	—	—	—	—	—	—
Narrows (AR).....	—	—	—	1,150	—	—	—	—	—	—
<b>USCE-Wilmington.....</b>	—	—	—	<b>16,343</b>	—	—	—	—	—	—
John H Kerr (VA).....	—	—	—	15,024	—	—	—	—	—	—
Philpott (VA).....	—	—	—	1,319	—	—	—	—	—	—
<b>Vero Beach (City of).....</b>	—	<b>21</b>	<b>29,717</b>	—	—	—	—	—	*	<b>356</b>
Municipal Plant (FL).....	—	21	29,717	—	—	—	—	—	*	356
<b>Vineland (City of).....</b>	<b>573</b>	<b>458</b>	—	—	—	—	—	*	<b>1</b>	—
Down, Howard (NJ).....	573	—	—	—	—	—	—	*	—	—
West (NJ).....	—	458	—	—	—	—	—	—	1	—
<b>Virginia Elec &amp; Power Co.....</b>	<b>2,709,490</b>	<b>56,121</b>	<b>193,025</b>	<b>-53,518</b>	<b>2,001,089</b>	—	—	<b>1,078</b>	<b>88</b>	<b>1,696</b>
Bath County (VA).....	—	—	—	-96,723	—	—	—	—	—	—
Bell Meade (VA).....	—	—	46,691	—	—	—	—	—	—	433
Bremo Bluff (VA).....	124,732	169	—	—	—	—	53	*	—	—
Chesapeake (VA).....	371,354	323	—	—	—	—	147	1	—	—
Chesterfield (VA).....	338,771	1,200	121,421	—	—	—	135	2	981	—
Clover (VA).....	591,285	3	—	—	—	—	223	*	—	—
Cushaw (VA).....	—	—	—	496	—	—	—	—	—	—
Darbytown (VA).....	—	30	11,962	—	—	—	—	—	*	144
Gaston (NC).....	—	—	—	19,372	—	—	—	—	—	—
Gravel Neck (VA).....	—	—	4,997	—	—	—	—	—	—	58
Kitty Hawk (NC).....	—	—	—	—	—	—	—	—	—	—
Low Moor (VA).....	—	12	—	—	—	—	—	—	*	—
Mt Storm (WV).....	926,969	4,000	—	—	—	—	368	9	—	—
North Anna (VA).....	—	—	—	130	871,506	—	—	—	—	—
North Branch (WV).....	47,188	—	—	—	—	—	28	—	—	—
Northern Neck (VA).....	—	10	—	—	—	—	—	—	*	—
Possum Point (VA).....	162,849	415	—	—	—	—	65	1	—	—
Roanoke Rapids (NC).....	—	—	—	23,207	—	—	—	—	—	—
Surry (VA).....	—	—	—	—	1,129,583	—	—	—	—	—
Yktn Term A (VA).....	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 56. U.S. Electric Utility Net Generation and Fuel Consumption, by Company and Plant, September 1999 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other <sup>1</sup>	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Virginia Elec &amp; Power Co</b>									
Yorktown (VA).....	146,342	49,959	7,954	—	—	—	59	75	80
1st Energy (VA).....	—	—	—	—	—	—	—	—	—
<b>Vt Yankee Nuclear Pr Corp</b> .....	—	—	—	—	367,482	—	—	—	—
Vt. Yankee (VT).....	—	—	—	—	367,482	—	—	—	—
<b>Waverly (City of)</b> .....	—	—	—	200	—	276	—	—	—
East Hydro (IA).....	—	—	—	200	—	—	—	—	—
East Plant (IA).....	—	—	—	—	—	—	—	—	—
North Plant (IA).....	—	—	—	—	—	—	—	—	—
Skeets 1 (IA).....	—	—	—	—	—	276	—	—	—
<b>West Penn Power Co</b> .....	689,863	562	290	254	—	—	273	1	3
Armstrong (PA).....	164,352	218	—	—	—	—	67	*	—
Hatfields Ferry (PA).....	402,164	344	—	—	—	—	155	1	—
Lake Lynn (WV).....	—	—	—	254	—	—	—	—	—
Mitchell (PA).....	123,347	—	290	—	—	—	51	—	3
Springdale (PA).....	—	—	—	—	—	—	—	—	—
<b>West Texas Utilities Co</b> .....	384,148	2,280	279,069	—	—	—	229	4	2,935
Abilene (TX).....	—	—	540	—	—	—	—	—	8
Fort Phantom (TX).....	—	—	95,721	—	—	—	—	—	979
Ft Stockton (TX).....	—	—	—	—	—	—	—	—	—
Lake Pauline (TX).....	—	—	1,169	—	—	—	—	—	16
Oak Creek (TX).....	—	—	29,917	—	—	—	—	—	316
Oklahoma (TX).....	384,148	2,280	—	—	—	—	229	4	—
Paint Creek (TX).....	—	—	40,286	—	—	—	—	—	422
Presidio (TX).....	—	—	—	—	—	—	—	—	—
Rio Pecos (TX).....	—	—	43,003	—	—	—	—	—	484
San Angelo (TX).....	—	—	68,433	—	—	—	—	—	710
Vernon (TX).....	—	—	—	—	—	—	—	*	—
<b>Western Farmers Elec Coop</b> .....	246,206	243	170,185	—	—	—	141	*	1,663
Anadarko (OK).....	—	—	106,933	—	—	—	—	—	982
Hugo (OK).....	246,206	243	—	—	—	—	141	*	—
Mooreland (OK).....	—	—	63,252	—	—	—	—	—	681
<b>Western Mass Elec Co</b> .....	—	—	—	-15,619	—	—	—	—	—
Cabot (MA).....	—	—	—	17,809	—	—	—	—	—
Cobble Mountain (MA).....	—	—	—	940	—	—	—	—	—
Doreen (MA).....	—	—	—	—	—	—	—	—	—
Dwight (MA).....	—	—	—	—	—	—	—	—	—
Gardners Falls (MA).....	—	—	—	—	—	—	—	—	—
Indian Orchard (MA).....	—	—	—	—	—	—	—	—	—
Northfield Mountain (MA).....	—	—	—	-37,283	—	—	—	—	—
Putts Bridge (MA).....	—	—	—	—	—	—	—	—	—
Red Bridge (MA).....	—	—	—	—	—	—	—	—	—
Turners Falls (MA).....	—	—	—	2,915	—	—	—	—	—
West Springfield (MA).....	—	—	—	—	—	—	—	—	—
Woodland Road (MA).....	—	—	—	—	—	—	—	—	—
<b>Wisconsin Electric Pwr Co</b> .....	1,389,985	1,674	23,038	23,269	728,378	—	810	5	356
Appleton (WI).....	—	—	—	794	—	—	—	—	—
Big Quinnesec 61 (MI).....	—	—	—	—	—	—	—	—	—
Big Quinnesec 92 (MI).....	—	—	—	6,370	—	—	—	—	—
Brule (MI).....	—	—	—	706	—	—	—	—	—
Chalk Hill (MI).....	—	—	—	1,870	—	—	—	—	—
Concord (WI).....	—	—	4,874	—	—	—	—	—	71
Germantown (WI).....	—	1,218	—	—	—	—	—	4	—
Hemlock Falls (MI).....	—	—	—	778	—	—	—	—	—
Kingsford (MI).....	—	—	—	1,727	—	—	—	—	—
Lower Paint (MI).....	—	—	—	36	—	—	—	—	—
Michigamme Falls (MI).....	—	—	—	2,121	—	—	—	—	—
Oconto Falls (WI).....	—	—	—	198	—	—	—	—	—
Oil Storage (WI).....	—	—	—	—	—	—	—	—	—
Paris (WI).....	—	—	10,444	—	—	—	—	—	205
Peavy Falls (MI).....	—	—	—	3,564	—	—	—	—	—

See footnotes at end of table.

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

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu					
	Receipts		Average Cost <sup>3</sup>		Avg. Sulfur %	Receipts		Average Cost <sup>3</sup>		Avg. Sulfur %	Receipts		Average Cost <sup>3</sup>		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)	(1,000 bbls)		(Cents per 10 <sup>6</sup> Btu)	(\$ per bbl)	(1,000 Mcf)	(Cents per 10 <sup>6</sup> Btu)		(\$ per Mcf)						
<b>Alabama Electric Coop Inc</b> .....	<b>94</b>	<b>140.3</b>	<b>33.30</b>	<b>1.38</b>	<b>1</b>	<b>452.2</b>	<b>24.79</b>	<b>0.20</b>	—	—	—	<b>100</b>	*	—			
Lowman (AL).....	94	140.3	33.30	1.38	1	452.2	24.79	.20	—	—	—	100	*	—			
<b>Alabama Power Co<sup>4</sup></b> .....	<b>2,138</b>	<b>145.0</b>	<b>31.20</b>	<b>.77</b>	<b>4</b>	<b>97.8</b>	<b>5.71</b>	<b>.10</b>	<b>249</b>	<b>225.7</b>	<b>2.28</b>	<b>99</b>	*	<b>1</b>			
Barry (AL).....	322	206.2	50.03	.73	—	—	—	—	30	262.5	2.69	100	—	*			
Gadsden (AL).....	21	142.7	36.18	1.78	—	—	—	—	123	76.2	.77	81	—	19			
Gaston (AL).....	455	169.4	42.84	.96	4	97.8	5.71	.10	—	—	—	100	*	—			
Gorgas 2 and 3 (AL).....	284	139.5	33.39	1.25	—	—	—	—	—	—	—	100	—	—			
Greene (AL).....	135	124.2	31.27	1.98	—	—	—	—	5	357.1	3.65	100	—	*			
James Miller (AL).....	921	104.3	18.07	.34	—	—	—	—	92	408.9	4.10	99	—	1			
<b>Alexandria City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>597</b>	<b>276.0</b>	<b>2.87</b>	<b>—</b>	<b>—</b>	<b>100</b>			
Alexandria-Hunter (LA).....	—	—	—	—	—	—	—	—	597	276.0	2.87	—	—	100			
<b>American Municipal Power</b> .....	<b>81</b>	<b>83.5</b>	<b>19.32</b>	<b>5.26</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>8</b>	<b>384.6</b>	<b>4.00</b>	<b>100</b>	<b>—</b>	<b>*</b>			
Gorsuch (OH).....	81	83.5	19.32	5.26	—	—	—	—	8	384.6	4.00	100	—	*			
<b>Ames City of</b> .....	<b>25</b>	<b>146.2</b>	<b>25.90</b>	<b>.19</b>	<b>1</b>	<b>482.2</b>	<b>27.81</b>	<b>.20</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>99</b>	<b>1</b>	<b>—</b>			
Ames (IA).....	25	146.2	25.90	.19	1	482.2	27.81	.20	—	—	—	99	1	—			
<b>Anchorage City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>399</b>	<b>200.0</b>	<b>2.00</b>	<b>—</b>	<b>—</b>	<b>100</b>			
George Sullivan (AK).....	—	—	—	—	—	—	—	—	399	200.0	2.00	—	—	100			
<b>Appalachian Power Co</b> .....	<b>1,197</b>	<b>129.6</b>	<b>31.91</b>	<b>.74</b>	<b>25</b>	<b>450.7</b>	<b>25.93</b>	<b>.20</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>*</b>	<b>—</b>			
Amos (WV).....	606	125.8	30.77	.76	—	—	—	—	—	—	—	100	—	—			
Clinch River (VA).....	141	129.6	32.36	.68	1	463.8	27.18	.20	—	—	—	100	*	—			
Glen Lyn (VA).....	63	132.2	34.22	.87	3	432.3	25.08	.20	—	—	—	99	1	—			
Kanawha River (WV).....	85	136.1	33.13	.76	—	—	—	—	—	—	—	100	—	—			
Mountaineer (WV).....	301	135.0	33.18	.67	21	453.1	26.01	.20	—	—	—	98	2	—			
<b>Arizona Electric Pwr Coop Inc</b> .....	<b>87</b>	<b>114.0</b>	<b>22.44</b>	<b>.43</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>426</b>	<b>249.0</b>	<b>2.53</b>	<b>80</b>	<b>—</b>	<b>20</b>			
Apache (AZ).....	87	114.0	22.44	.43	—	—	—	—	426	249.0	2.53	80	—	20			
<b>Arizona Public Service Co</b> .....	<b>1,169</b>	<b>104.9</b>	<b>19.14</b>	<b>.70</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2,930</b>	<b>300.0</b>	<b>3.04</b>	<b>88</b>	<b>—</b>	<b>12</b>			
Cholla (AZ).....	399	124.8	24.29	.56	—	—	—	—	275	397.6	4.06	97	—	3			
Four Corners (NM).....	770	93.5	16.47	.77	—	—	—	—	75	347.7	3.52	99	—	1			
Ocotillo (AZ).....	—	—	—	—	—	—	—	—	674	296.0	2.99	—	—	100			
Phoenix (AZ).....	—	—	—	—	—	—	—	—	891	295.0	2.98	—	—	100			
Saguaro (AZ).....	—	—	—	—	—	—	—	—	596	292.0	2.98	—	—	100			
Yucca (AZ).....	—	—	—	—	—	—	—	—	419	255.0	2.57	—	—	100			

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost <sup>2</sup>		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost <sup>2</sup>		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost <sup>2</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>Arkansas Power &amp; Light Co.....</b>	<b>1,227</b>	<b>150.8</b>	<b>26.32</b>	<b>0.26</b>	<b>11</b>	<b>310.8</b>	<b>18.40</b>	<b>0.50</b>	<b>4,934</b>	<b>289.6</b>	<b>2.96</b>	<b>81</b>	<b>*</b>	<b>19</b>
Couch (AR).....	—	—	—	—	—	—	—	—	468	299.7	3.09	—	—	100
Independence (AR).....	673	141.4	25.25	.20	6	317.0	18.75	.50	—	—	—	100	*	—
Lake Catherine (AR).....	—	—	—	—	—	—	—	—	2,571	292.3	2.99	—	—	100
Moses (AR).....	—	—	—	—	—	—	—	—	478	299.4	3.04	—	—	100
Ritchie (AR).....	—	—	—	—	—	—	—	—	1,418	278.1	2.83	—	—	100
Whitebluff (AR).....	554	163.0	27.62	.34	6	304.6	18.04	.50	—	—	—	100	*	—
<b>Associated Electric Coop Inc.....</b>	<b>805</b>	<b>81.5</b>	<b>14.50</b>	<b>.19</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Hill (MO).....	465	72.0	12.83	.19	—	—	—	—	—	—	—	100	—	—
Madrid (MO).....	340	94.5	16.78	.19	—	—	—	—	—	—	—	100	—	—
<b>Atlantic City Electric Co.....</b>	<b>72</b>	<b>146.3</b>	<b>38.58</b>	<b>1.95</b>	<b>1</b>	<b>476.1</b>	<b>27.89</b>	<b>.11</b>	<b>76</b>	<b>284.6</b>	<b>2.94</b>	<b>96</b>	<b>*</b>	<b>4</b>
Deepwater (NJ).....	23	154.8	40.25	.85	—	—	—	—	76	284.6	2.94	88	—	12
England (NJ).....	49	142.5	37.81	2.46	1	476.1	27.89	.11	—	—	—	100	*	—
<b>Austin City of.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>5,610</b>	<b>286.6</b>	<b>2.93</b>	<b>—</b>	<b>—</b>	<b>100</b>
Decker Creek (TX).....	—	—	—	—	—	—	—	—	3,545	284.1	2.91	—	—	100
Holly (TX).....	—	—	—	—	—	—	—	—	2,064	290.9	2.96	—	—	100
<b>Baltimore Gas &amp; Electric Co.....</b>	<b>330</b>	<b>139.1</b>	<b>35.61</b>	<b>.99</b>	<b>168</b>	<b>303.8</b>	<b>19.33</b>	<b>.95</b>	<b>3,592</b>	<b>336.9</b>	<b>3.50</b>	<b>64</b>	<b>8</b>	<b>28</b>
Brandon Shores (MD).....	187	139.0	34.99	.73	2	403.0	23.49	.13	—	—	—	100	*	—
Crane (MD).....	67	137.5	36.40	1.76	—	—	—	—	—	—	—	100	—	—
Gould St (MD).....	—	—	—	—	—	—	—	—	215	335.3	3.48	—	—	100
Riverside (MD).....	—	—	—	—	—	—	—	—	149	335.4	3.48	—	—	100
Wagner (MD).....	76	140.8	36.44	.94	166	302.7	19.28	.96	3,228	337.1	3.50	31	17	53
<b>Basin Electric Power Coop.....</b>	<b>1,410</b>	<b>58.3</b>	<b>8.69</b>	<b>.55</b>	<b>5</b>	<b>535.5</b>	<b>31.01</b>	<b>.34</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>*</b>	<b>—</b>
Antelope Valley (ND).....	448	70.5	9.28	.71	*	489.0	28.32	.34	—	—	—	100	*	—
Laramie River (WY).....	665	45.5	7.63	.39	5	537.3	31.12	.34	—	—	—	100	*	—
Leland Olds (ND).....	297	76.2	10.18	.64	—	—	—	—	—	—	—	100	—	—
<b>Big Rivers Electric Corp.....</b>	<b>11</b>	<b>103.5</b>	<b>23.39</b>	<b>2.70</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Reid-Henderson (KY).....	11	103.5	23.39	2.70	—	—	—	—	—	—	—	100	—	—
<b>Black Hills Corp.....</b>	<b>44</b>	<b>43.4</b>	<b>7.00</b>	<b>.56</b>	<b>*</b>	<b>529.4</b>	<b>31.76</b>	<b>.04</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>*</b>	<b>—</b>
Neal Simpson II (WY).....	44	43.4	7.00	.56	*	529.4	31.76	.04	—	—	—	100	*	—
<b>Braintree City of.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>77</b>	<b>306.0</b>	<b>3.21</b>	<b>—</b>	<b>—</b>	<b>100</b>
Potter Station (MA).....	—	—	—	—	—	—	—	—	77	306.0	3.21	—	—	100
<b>Brazos Electric Power Coop Inc.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3,396</b>	<b>268.6</b>	<b>2.69</b>	<b>—</b>	<b>—</b>	<b>100</b>
Miller (TX).....	—	—	—	—	—	—	—	—	3,268	269.6	2.70	—	—	100
North Texas (TX).....	—	—	—	—	—	—	—	—	129	244.0	2.44	—	—	100
<b>Bryan City of.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>924</b>	<b>260.3</b>	<b>2.62</b>	<b>—</b>	<b>—</b>	<b>100</b>
Bryan (TX).....	—	—	—	—	—	—	—	—	359	249.7	2.52	—	—	100
Dansby (TX).....	—	—	—	—	—	—	—	—	565	267.0	2.69	—	—	100
<b>Burbank City of.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>199</b>	<b>332.7</b>	<b>3.38</b>	<b>—</b>	<b>—</b>	<b>100</b>
Magnolia-Olive (CA).....	—	—	—	—	—	—	—	—	199	332.7	3.38	—	—	100
<b>Burlington City of.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>133</b>	<b>326.9</b>	<b>3.31</b>	<b>—</b>	<b>—</b>	<b>100</b>
J C McNeil (VT).....	—	—	—	—	—	—	—	—	133	326.9	3.31	—	—	100
<b>Cajun Electric Power Coop Inc.....</b>	<b>527</b>	<b>146.4</b>	<b>24.45</b>	<b>.44</b>	<b>1</b>	<b>401.7</b>	<b>23.62</b>	<b>.10</b>	<b>1,155</b>	<b>230.0</b>	<b>2.39</b>	<b>88</b>	<b>*</b>	<b>12</b>
Big Cajun No.1 (LA).....	—	—	—	—	—	—	—	—	1,155	230.0	2.39	—	—	100
Big Cajun No.2 (LA).....	527	146.4	24.45	.44	1	401.7	23.62	.10	—	—	—	100	*	—
<b>Cardinal Operating Co.....</b>	<b>271</b>	<b>284.5</b>	<b>69.93</b>	<b>1.60</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Cardinal (OH).....	271	284.5	69.93	1.60	—	—	—	—	—	—	—	100	—	—
<b>Carolina Power &amp; Light Co.....</b>	<b>1,090</b>	<b>149.3</b>	<b>37.79</b>	<b>.90</b>	<b>81</b>	<b>424.2</b>	<b>24.59</b>	<b>.20</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>98</b>	<b>2</b>	<b>—</b>
Asheville (NC).....	63	141.6	36.05	1.07	10	450.6	26.12	.20	—	—	—	97	3	—
Cape Fear (NC).....	52	147.7	35.95	1.01	23	419.2	24.30	.20	—	—	—	90	10	—
Lee (NC).....	66	154.0	39.09	1.09	22	418.4	24.25	.20	—	—	—	93	7	—
Mayo (NC).....	159	149.2	37.54	.61	1	424.3	24.59	.20	—	—	—	100	*	—
Robinson (SC).....	32	134.3	35.60	2.06	*	398.6	23.10	.20	—	—	—	100	*	—
Roxboro (NC).....	556	149.2	37.34	.85	6	415.4	24.08	.20	—	—	—	100	*	—
Sutton (NC).....	118	151.4	40.53	.92	14	427.9	24.80	.20	—	—	—	98	2	—
Weatherspoon (NC).....	45	162.9	41.40	1.00	5	423.9	24.57	.20	—	—	—	97	3	—

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>Cedar Falls City of</b> .....	<b>4</b>	<b>160.9</b>	<b>38.76</b>	<b>1.31</b>	—	—	—	—	<b>16</b>	<b>355.5</b>	<b>3.56</b>	<b>87</b>	—	<b>13</b>
Streeter (IA).....	4	160.9	38.76	1.31	—	—	—	—	16	355.5	3.56	87	—	13
<b>Central Electric Pwr Coop-MO</b> .....	<b>7</b>	<b>128.9</b>	<b>28.57</b>	<b>2.79</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
Chamois (MO).....	7	128.9	28.57	2.79	—	—	—	—	—	—	—	100	—	—
<b>Central Hudson Gas &amp; Elec Corp</b> .....	<b>39</b>	<b>162.5</b>	<b>42.90</b>	<b>.65</b>	<b>462</b>	<b>295.6</b>	<b>18.92</b>	<b>1.01</b>	<b>1,082</b>	<b>285.6</b>	<b>2.88</b>	<b>20</b>	<b>58</b>	<b>22</b>
Danskammer (NY).....	39	162.5	42.90	.65	—	—	—	—	394	261.8	2.64	72	—	28
Roseton (NY).....	—	—	—	—	462	295.6	18.92	1.01	688	299.3	3.02	—	81	19
<b>Central Illinois Light Co</b> .....	<b>276</b>	<b>141.6</b>	<b>31.27</b>	<b>2.77</b>	<b>1</b>	<b>259.0</b>	<b>14.97</b>	<b>.04</b>	—	—	—	<b>100</b>	*	—
Duck Creek (IL).....	131	162.9	35.63	3.33	*	438.1	25.54	.03	—	—	—	100	*	—
Edwards (IL).....	145	122.7	27.33	2.26	1	235.7	13.61	.04	—	—	—	100	*	—
<b>Central Illinois Pub Serv Co</b> .....	<b>638</b>	<b>127.8</b>	<b>24.32</b>	<b>.77</b>	<b>4</b>	<b>451.5</b>	<b>26.18</b>	<b>.29</b>	—	—	—	<b>100</b>	*	—
Coffeen (IL).....	172	169.4	33.80	.83	1	434.5	25.16	.29	—	—	—	100	*	—
Grand Tower (IL).....	29	101.9	22.82	2.82	—	—	—	—	—	—	—	100	—	—
Hutsonville (IL).....	12	108.9	23.96	2.81	—	—	—	—	—	—	—	100	—	—
Meredosia (IL).....	78	129.5	27.87	1.86	1	444.3	25.73	.29	—	—	—	100	*	—
Newton (IL).....	347	107.6	18.95	.26	2	463.5	26.92	.29	—	—	—	100	*	—
<b>Central Iowa Power Coop</b> .....	<b>31</b>	<b>110.8</b>	<b>27.69</b>	<b>2.55</b>	—	—	—	—	*	<b>624.3</b>	<b>6.33</b>	<b>100</b>	—	*
Fair Station (IA).....	31	110.8	27.69	2.55	—	—	—	—	*	624.3	6.33	100	—	*
<b>Central Louisiana Elec Co Inc</b> .....	<b>308</b>	<b>134.7</b>	<b>21.36</b>	<b>.70</b>	—	—	—	—	<b>5,088</b>	<b>268.5</b>	<b>2.77</b>	<b>48</b>	—	<b>52</b>
Coughlin (LA).....	—	—	—	—	—	—	—	—	1,342	278.0	2.89	—	—	100
Dolet Hills (LA).....	141	128.6	18.21	1.01	—	—	—	—	—	—	—	100	—	—
Rodemacher (LA).....	167	139.0	24.01	.44	—	—	—	—	1,964	265.0	2.72	59	—	41
Teche (LA).....	—	—	—	—	—	—	—	—	1,782	265.0	2.73	—	—	100
<b>Central Operating Co</b> .....	<b>145</b>	<b>104.1</b>	<b>25.43</b>	<b>1.64</b>	<b>5</b>	<b>487.8</b>	<b>27.97</b>	<b>.10</b>	—	—	—	<b>99</b>	<b>1</b>	—
Sporn (WV).....	145	104.1	25.43	1.64	5	487.8	27.97	.10	—	—	—	99	1	—
<b>Central Power &amp; Light Co</b> .....	<b>219</b>	<b>138.9</b>	<b>25.94</b>	<b>.26</b>	—	—	—	—	<b>15,392</b>	<b>270.3</b>	<b>2.78</b>	<b>21</b>	—	<b>79</b>
Bates (TX).....	—	—	—	—	—	—	—	—	967	265.0	2.71	—	—	100
Coletto Creek (TX).....	219	138.9	25.94	.26	—	—	—	—	—	—	—	100	—	—
Davis (TX).....	—	—	—	—	—	—	—	—	3,820	268.7	2.78	—	—	100
Hill (TX).....	—	—	—	—	—	—	—	—	2,549	266.3	2.71	—	—	100
Joslin (TX).....	—	—	—	—	—	—	—	—	1,022	266.3	2.73	—	—	100
La Palma (TX).....	—	—	—	—	—	—	—	—	1,043	279.8	2.85	—	—	100
Laredo (TX).....	—	—	—	—	—	—	—	—	1,076	279.5	2.93	—	—	100
Nueces Bay (TX).....	—	—	—	—	—	—	—	—	3,095	271.2	2.78	—	—	100
Victoria (TX).....	—	—	—	—	—	—	—	—	1,821	271.3	2.77	—	—	100
<b>Chugach Electric Assn Inc</b> .....	—	—	—	—	—	—	—	—	<b>1,110</b>	<b>131.6</b>	<b>1.32</b>	—	—	<b>100</b>
Beluga (AK).....	—	—	—	—	—	—	—	—	1,110	131.6	1.32	—	—	100
<b>Cincinnati Gas &amp; Electric Co</b> .....	<b>1,112</b>	<b>108.9</b>	<b>26.16</b>	<b>2.02</b>	<b>41</b>	<b>452.2</b>	<b>25.92</b>	<b>.27</b>	—	—	—	<b>99</b>	<b>1</b>	—
Beckjord (OH).....	286	111.3	26.43	.96	28	446.7	25.51	.36	—	—	—	98	2	—
East Bend (KY).....	162	97.0	23.71	2.50	*	452.8	25.93	.31	—	—	—	100	*	—
Miami Fort (OH).....	327	118.7	28.45	.91	9	473.5	27.28	.02	—	—	—	99	1	—
Zimmer (OH).....	337	103.1	24.88	3.78	4	439.0	25.51	.19	—	—	—	100	*	—
<b>Cleveland Electric Illum Co</b> .....	<b>396</b>	<b>114.9</b>	<b>29.66</b>	<b>2.32</b>	<b>14</b>	<b>405.1</b>	<b>23.64</b>	<b>.33</b>	—	—	—	<b>99</b>	<b>1</b>	—
Ashtabula (OH).....	46	107.7	26.58	3.88	1	350.4	20.21	.04	—	—	—	100	*	—
Avon Lake (OH).....	124	131.1	33.59	1.25	8	409.6	23.94	.38	—	—	—	99	1	—
Eastlake (OH).....	226	107.6	28.13	2.59	5	393.5	22.98	.32	—	—	—	99	1	—
Lake Shore (OH).....	—	—	—	—	*	588.3	34.16	.30	—	—	—	—	100	—
<b>Coffeyville City of</b> .....	—	—	—	—	—	—	—	—	<b>290</b>	<b>158.0</b>	<b>1.58</b>	—	—	<b>100</b>
Coffeyville (KS).....	—	—	—	—	—	—	—	—	290	158.0	1.58	—	—	100
<b>Colorado Springs City of</b> .....	<b>72</b>	<b>118.5</b>	<b>25.85</b>	<b>.47</b>	—	—	—	—	<b>174</b>	<b>299.0</b>	<b>2.93</b>	<b>90</b>	—	<b>10</b>
Birdsall (CO).....	—	—	—	—	—	—	—	—	23	362.7	3.56	—	—	100
Drake (CO).....	41	138.5	29.59	.42	—	—	—	—	50	362.7	3.56	95	—	5
Nixon (CO).....	31	93.2	20.88	.54	—	—	—	—	101	253.4	2.48	87	—	13
<b>Columbia City of</b> .....	<b>6</b>	<b>199.5</b>	<b>53.48</b>	<b>1.35</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
Columbia (MO).....	6	199.5	53.48	1.35	—	—	—	—	—	—	—	100	—	—

See notes and footnotes at end of table.



**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>Columbus &amp; Southern Ohio El Co</b> .....	<b>427</b>	<b>120.5</b>	<b>28.77</b>	<b>2.80</b>	<b>1</b>	<b>444.1</b>	<b>26.23</b>	<b>0.10</b>	—	—	—	<b>100</b>	*	—
Conesville (OH).....	415	120.4	28.80	2.80	1	444.1	26.23	.10	—	—	—	100	*	—
Picway (OH).....	12	123.8	27.92	2.77	—	—	—	—	—	—	—	100	—	—
<b>Commonwealth Edison Co</b> .....	<b>1,378</b>	<b>199.8</b>	<b>35.43</b>	<b>.39</b>	<b>14</b>	<b>420.4</b>	<b>24.57</b>	<b>.33</b>	<b>2,281</b>	<b>260.0</b>	<b>2.65</b>	<b>91</b>	*	<b>9</b>
Collins (IL).....	—	—	—	—	—	—	—	—	2,125	258.5	2.64	—	—	100
Fisk Storage (IL).....	—	—	—	—	—	—	—	—	146	272.3	2.80	—	—	100
Joliet (IL).....	317	265.5	46.50	.33	—	—	—	—	—	—	—	100	—	—
Powerton (IL).....	434	156.7	28.10	.48	—	—	—	—	10	389.9	3.90	100	—	*
Waukegan (IL).....	193	186.5	32.56	.39	—	—	—	—	—	—	—	100	—	—
Will County (IL).....	434	201.7	35.95	.35	14	420.4	24.57	.33	—	—	—	99	1	—
<b>Connecticut Light &amp; Power Co</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>652</b>	<b>312.9</b>	<b>20.04</b>	<b>.69</b>	<b>1,882</b>	<b>257.8</b>	<b>2.65</b>	<b>—</b>	<b>68</b>	<b>32</b>
Devon (CT).....	—	—	—	—	77	295.2	19.00	.94	488	262.5	2.66	—	50	50
Middletown (CT).....	—	—	—	—	265	336.1	21.24	.43	1,389	256.3	2.65	—	54	46
Montville (CT).....	—	—	—	—	78	300.8	19.82	.61	6	235.5	2.43	—	99	1
Norwalk Harbor (CT).....	—	—	—	—	232	297.0	19.07	.93	—	—	—	—	100	—
<b>Consolidated Edison Co-NY Inc</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>437</b>	<b>328.2</b>	<b>20.97</b>	<b>.30</b>	<b>5,015</b>	<b>246.2</b>	<b>2.54</b>	<b>—</b>	<b>35</b>	<b>65</b>
Astoria (NY).....	—	—	—	—	—	—	—	—	3,829	246.2	2.54	—	—	100
East River (NY).....	—	—	—	—	93	332.6	21.43	.29	756	246.2	2.54	—	44	56
Storage Facility # 3.....	—	—	—	—	85	333.0	21.26	.30	—	—	—	—	100	—
Storage Facility # 7.....	—	—	—	—	259	325.0	20.70	.30	—	—	—	—	100	—
Waterside (NY).....	—	—	—	—	—	—	—	—	431	246.2	2.54	—	—	100
<b>Consumers Power Co</b> .....	<b>884</b>	<b>135.9</b>	<b>29.25</b>	<b>.67</b>	<b>266</b>	<b>270.0</b>	<b>17.20</b>	<b>1.09</b>	<b>622</b>	<b>295.3</b>	<b>2.95</b>	<b>89</b>	<b>8</b>	<b>3</b>
Campbell (MI).....	355	148.9	34.20	.67	—	—	—	—	—	—	—	100	—	—
Cobb (MI).....	192	121.2	24.34	.77	—	—	—	—	—	—	—	100	—	—
Karn-Weadock (MI).....	96	148.4	36.23	.88	256	263.6	16.85	1.12	622	295.3	2.95	51	36	14
Weadock (MI).....	158	118.4	22.58	.51	10	446.9	25.90	.50	—	—	—	98	2	—
Whiting (MI).....	83	121.1	24.12	.52	*	429.1	24.87	.50	—	—	—	100	*	—
<b>Coop Power Assn</b> .....	<b>641</b>	<b>78.3</b>	<b>9.44</b>	<b>.69</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Coal Creek (ND).....	641	78.3	9.44	.69	—	—	—	—	—	—	—	100	—	—
<b>Dairyland Power Coop</b> .....	<b>308</b>	<b>119.6</b>	<b>24.20</b>	<b>.52</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Alma-Madgett (WI).....	173	109.6	20.83	.34	—	—	—	—	—	—	—	100	—	—
Genoa No.3 (WI).....	135	130.8	28.48	.75	—	—	—	—	—	—	—	100	—	—
<b>Dayton Power &amp; Light Co</b> .....	<b>740</b>	<b>118.6</b>	<b>27.47</b>	<b>.78</b>	<b>20</b>	<b>455.3</b>	<b>26.37</b>	<b>.29</b>	<b>64</b>	<b>446.5</b>	<b>4.55</b>	<b>99</b>	<b>1</b>	<b>*</b>
Hutchings (OH).....	41	134.7	33.09	.87	—	—	—	—	64	446.5	4.55	94	—	6
Killen (OH).....	184	123.2	29.12	.61	—	—	—	—	—	—	—	100	—	—
Stuart (OH).....	514	115.5	26.42	.83	20	455.3	26.37	.29	—	—	—	99	1	—
<b>Delmarva Power &amp; Light Co</b> .....	<b>154</b>	<b>158.8</b>	<b>41.00</b>	<b>1.00</b>	<b>271</b>	<b>300.0</b>	<b>19.20</b>	<b>1.32</b>	<b>3,027</b>	<b>286.8</b>	<b>3.04</b>	<b>45</b>	<b>19</b>	<b>36</b>
Edgemoor (DE).....	41	159.9	40.25	.75	121	304.5	19.54	.72	1,385	319.2	2.94	34	25	41
Hay Road (DE).....	—	—	—	—	—	—	—	—	1,643	265.4	3.13	—	—	100
Indian River (DE).....	113	158.4	41.28	1.09	10	429.5	24.98	.21	—	—	—	98	2	—
Vienna (MD).....	—	—	—	—	139	287.3	18.48	1.93	—	—	—	—	100	—
<b>Denton City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>730</b>	<b>283.0</b>	<b>2.97</b>	<b>—</b>	<b>—</b>	<b>100</b>
Spencer (TX).....	—	—	—	—	—	—	—	—	730	283.0	2.97	—	—	100
<b>Deseret Generation &amp; Tran Coop</b> .....	<b>20</b>	<b>158.2</b>	<b>32.30</b>	<b>.41</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Bonanza (UT).....	20	158.2	32.30	.41	—	—	—	—	—	—	—	100	—	—
<b>Detroit City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>406</b>	<b>335.0</b>	<b>3.35</b>	<b>—</b>	<b>—</b>	<b>100</b>
Mistersky (MI).....	—	—	—	—	—	—	—	—	406	335.0	3.35	—	—	100
<b>Detroit Edison Co</b> .....	<b>2,178</b>	<b>127.7</b>	<b>26.16</b>	<b>.59</b>	<b>46</b>	<b>313.7</b>	<b>19.34</b>	<b>.55</b>	<b>3,724</b>	<b>231.2</b>	<b>1.27</b>	<b>95</b>	<b>1</b>	<b>4</b>
Belle River (MI).....	476	149.2	28.32	.34	2	439.5	25.64	.17	—	—	—	100	*	—
Connors Creek (MI).....	—	—	—	—	1	420.1	24.35	.04	955	220.9	2.23	—	*	100
Greenwood (MI).....	—	—	—	—	30	258.2	16.38	.70	496	309.3	3.12	—	28	72
Harbor Beach (MI).....	13	144.7	39.42	.91	1	433.6	25.01	.10	—	—	—	99	1	—
Marysville (MI).....	—	—	—	—	—	—	—	—	10	270.5	2.70	—	—	100
Monroe (MI).....	756	111.7	23.64	.63	4	424.7	24.73	.30	—	—	—	100	*	—
River Rouge (MI).....	140	112.1	23.37	.51	1	449.9	26.08	.10	2,233	175.1	.43	84	*	16
St Clair (MI).....	569	143.5	28.65	.68	8	434.4	25.31	.30	31	270.5	2.75	99	*	*
Trenton Channel (MI).....	224	111.7	24.73	.82	—	—	—	—	—	—	—	100	—	—

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>Dover City of</b> .....	—	—	—	—	23	352.0	21.74	0.66	274	320.0	3.30	—	33	67
Mckee Run (DE).....	—	—	—	—	23	352.0	21.74	.66	274	320.0	3.30	—	33	67
<b>Duke Power Co</b> .....	<b>1,074</b>	<b>137.7</b>	<b>33.97</b>	<b>0.82</b>	<b>2</b>	<b>348.1</b>	<b>20.33</b>	<b>.30</b>	—	—	—	<b>100</b>	<b>*</b>	—
Allen (NC).....	155	147.3	36.73	.84	—	—	—	—	—	—	—	100	—	—
Belews Creek (NC).....	217	150.7	37.16	.77	—	—	—	—	—	—	—	100	—	—
Buck (NC).....	79	134.5	32.61	.69	—	—	—	—	—	—	—	100	—	—
Cliffside (NC).....	100	135.8	34.48	.89	2	348.1	20.33	.30	—	—	—	100	*	—
Dan River (NC).....	32	139.6	34.58	.69	—	—	—	—	—	—	—	100	—	—
Lee (SC).....	28	140.2	35.45	1.00	—	—	—	—	—	—	—	100	—	—
Marshall (NC).....	405	128.4	31.29	.85	—	—	—	—	—	—	—	100	—	—
Riverbend (NC).....	58	132.3	33.19	.84	—	—	—	—	—	—	—	100	—	—
<b>Duquesne Light Co</b> .....	<b>162</b>	<b>124.3</b>	<b>31.31</b>	<b>2.13</b>	<b>21</b>	<b>401.2</b>	<b>23.17</b>	<b>.17</b>	<b>51</b>	<b>298.2</b>	<b>3.10</b>	<b>96</b>	<b>3</b>	<b>1</b>
Brunot Is (PA).....	—	—	—	—	10	357.8	20.79	.19	—	—	—	—	100	—
Cheswick (PA).....	97	120.0	31.09	1.96	—	—	—	—	51	298.2	3.10	98	—	2
Elrama (PA).....	65	131.2	31.64	2.38	11	441.1	25.34	.15	—	—	—	96	4	—
<b>East Kentucky Power Coop</b> .....	<b>386</b>	<b>112.7</b>	<b>27.87</b>	<b>.88</b>	<b>*</b>	<b>443.3</b>	<b>25.81</b>	<b>.12</b>	—	—	—	<b>100</b>	<b>*</b>	—
Cooper (KY).....	76	104.0	25.89	1.32	—	—	—	—	—	—	—	100	—	—
Dale (KY).....	53	113.5	27.90	.84	*	443.3	25.81	.12	—	—	—	100	*	—
Spurlock (KY).....	257	115.1	28.44	.76	—	—	—	—	—	—	—	100	—	—
<b>El Paso Electric Co</b> .....	—	—	—	—	—	—	—	—	<b>3,385</b>	<b>208.8</b>	<b>2.14</b>	—	—	<b>100</b>
Newman (TX).....	—	—	—	—	—	—	—	—	2,348	209.2	2.14	—	—	100
Rio Grande (TX).....	—	—	—	—	—	—	—	—	1,037	208.0	2.13	—	—	100
<b>Electric Energy Inc</b> .....	<b>470</b>	<b>86.5</b>	<b>15.12</b>	<b>.24</b>	<b>2</b>	<b>531.6</b>	<b>30.36</b>	<b>.24</b>	<b>16</b>	<b>344.0</b>	<b>3.59</b>	<b>100</b>	<b>*</b>	<b>*</b>
Joppa (IL).....	470	86.5	15.12	.24	2	531.6	30.36	.24	16	344.0	3.59	100	*	*
<b>Empire District Electric Co</b> .....	<b>106</b>	<b>93.2</b>	<b>17.04</b>	<b>.52</b>	—	—	—	—	<b>87</b>	<b>227.3</b>	<b>2.28</b>	<b>96</b>	<b>*</b>	<b>4</b>
Asbury (MO).....	78	88.9	15.98	.42	—	—	—	—	—	—	—	100	—	—
Riverton (KS).....	28	104.5	20.01	.81	—	—	—	—	87	227.3	2.28	86	—	14
<b>Fayetteville Public Works</b> .....	—	—	—	—	—	—	—	—	<b>635</b>	<b>300.1</b>	<b>3.09</b>	—	—	<b>100</b>
Butler Warner (NC).....	—	—	—	—	—	—	—	—	635	300.1	3.09	—	—	100
<b>Florida Power &amp; Light Co</b> .....	—	—	—	—	<b>4,098</b>	<b>291.1</b>	<b>18.64</b>	<b>1.32</b>	<b>18,311</b>	<b>324.8</b>	<b>3.38</b>	—	<b>58</b>	<b>42</b>
Cape Canaveral (FL).....	—	—	—	—	539	296.9	19.01	1.44	797	324.8	3.38	—	81	19
Cutler (FL).....	—	—	—	—	—	—	—	—	985	324.8	3.38	—	—	100
Fort Myers (FL).....	—	—	—	—	336	295.4	18.90	2.07	—	—	—	—	100	—
Lauderdale (FL).....	—	—	—	—	—	—	—	—	4,387	324.8	3.38	—	—	100
Manatee (FL).....	—	—	—	—	641	227.8	14.49	1.00	—	—	—	—	100	—
Martin (FL).....	—	—	—	—	498	308.0	19.74	1.02	7,656	324.8	3.38	—	29	71
Port Everglades (FL).....	—	—	—	—	916	298.9	19.28	.99	395	324.8	3.38	—	94	6
Putnam (FL).....	—	—	—	—	—	—	—	—	2,558	324.8	3.38	—	—	100
Riviera (FL).....	—	—	—	—	236	289.1	18.62	1.55	451	324.8	3.38	—	76	24
Sanford (FL).....	—	—	—	—	559	309.2	19.74	2.04	459	324.8	3.38	—	88	12
Turkey Point (FL).....	—	—	—	—	373	318.9	20.27	1.00	625	324.8	3.38	—	78	22
<b>Florida Power Corp<sup>5</sup></b> .....	<b>436</b>	<b>170.1</b>	<b>43.15</b>	<b>.88</b>	<b>1,349</b>	<b>269.0</b>	<b>17.61</b>	<b>1.73</b>	<b>173</b>	<b>311.6</b>	<b>3.21</b>	<b>55</b>	<b>44</b>	<b>1</b>
Anclote (FL).....	—	—	—	—	1	440.6	25.93	.47	134	314.0	3.24	—	4	96
Bartow (FL).....	—	—	—	—	263	273.7	17.99	2.08	21	314.1	3.24	—	99	1
Crystal River (FL).....	323	169.9	43.22	.94	4	451.2	26.56	.47	—	—	—	100	*	—
IMT Transfer (LA).....	113	170.6	42.94	.71	—	—	—	—	—	—	—	100	—	—
Storage Facility # 1.....	—	—	—	—	975	264.9	17.35	1.65	—	—	—	—	100	—
Suwannee (FL).....	—	—	—	—	106	287.5	18.65	1.70	18	290.8	3.00	—	97	3
<b>Fort Pierce City of</b> .....	—	—	—	—	—	—	—	—	<b>207</b>	<b>265.0</b>	<b>2.76</b>	—	—	<b>100</b>
H D King (FL).....	—	—	—	—	—	—	—	—	207	265.0	2.76	—	—	100
<b>Fremont City of</b> .....	<b>36</b>	<b>91.7</b>	<b>16.16</b>	<b>.18</b>	—	—	—	—	<b>43</b>	<b>264.0</b>	<b>2.64</b>	<b>94</b>	—	<b>6</b>
Wright (NE).....	36	91.7	16.16	.18	—	—	—	—	43	264.0	2.64	94	—	6
<b>Gainesville City of</b> .....	<b>49</b>	<b>165.5</b>	<b>43.39</b>	<b>.69</b>	—	—	—	—	<b>683</b>	<b>313.2</b>	<b>3.25</b>	<b>64</b>	—	<b>36</b>
Deerhaven (FL).....	49	165.5	43.39	.69	—	—	—	—	436	312.5	3.25	74	—	26
Jr Kelly (FL).....	—	—	—	—	—	—	—	—	248	314.5	3.25	—	—	100
<b>Garland City of</b> .....	—	—	—	—	—	—	—	—	<b>2,254</b>	<b>273.0</b>	<b>2.77</b>	—	—	<b>100</b>
Newman (TX).....	—	—	—	—	—	—	—	—	271	298.5	3.05	—	—	100
Olinger (TX).....	—	—	—	—	—	—	—	—	1,983	269.5	2.74	—	—	100

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>Georgia Power Co</b> .....	<b>3,105</b>	<b>152.9</b>	<b>36.01</b>	<b>0.80</b>	<b>202</b>	<b>440.7</b>	<b>25.63</b>	<b>0.50</b>	<b>2,575</b>	<b>262.2</b>	<b>2.71</b>	<b>95</b>	<b>2</b>	<b>3</b>
Arkwright (GA) .....	8	161.9	43.31	1.67	—	—	—	—	594	306.9	3.18	26	—	74
Atkinson-McDonough (GA) .....	113	145.2	37.97	1.04	—	—	—	—	1,219	278.9	2.89	70	—	30
Bowen (GA) .....	697	145.2	35.97	.90	12	605.3	35.21	.50	—	—	—	100	*	—
Hammond (GA) .....	129	142.7	36.72	.87	*	441.6	25.69	.50	—	—	—	100	*	—
Harlee Branch (GA) .....	182	160.0	39.85	1.42	1	447.1	26.01	.50	—	—	—	100	*	—
Mcmanus (GA) .....	—	—	—	—	120	419.7	24.41	.50	—	—	—	—	100	—
Mitchell (GA) .....	40	175.3	44.95	1.24	53	447.3	26.02	.50	—	—	—	77	23	—
Scherer (GA) .....	1,079	167.8	34.47	.45	—	—	—	—	—	—	—	100	—	—
Wansley (GA) .....	458	143.4	35.39	1.03	14	454.6	26.45	.50	—	—	—	99	1	—
Yates (GA) .....	400	144.4	37.34	.84	2	447.7	26.04	.50	762	200.7	2.08	93	*	7
<b>Glendale City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>308</b>	<b>285.0</b>	<b>2.92</b>	<b>—</b>	<b>—</b>	<b>100</b>
Glendale (CA) .....	—	—	—	—	—	—	—	—	308	285.0	2.92	—	—	100
<b>Grand Haven City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>402.4</b>	<b>4.02</b>	<b>—</b>	<b>—</b>	<b>100</b>
J B Simms (MI) .....	—	—	—	—	—	—	—	—	1	402.4	4.02	—	—	100
<b>Grand Island City of</b> .....	<b>24</b>	<b>67.4</b>	<b>11.16</b>	<b>.35</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>68</b>	<b>298.9</b>	<b>2.99</b>	<b>85</b>	<b>—</b>	<b>15</b>
Burdick (NE) .....	—	—	—	—	—	—	—	—	68	298.9	2.99	—	—	100
Platte (NE) .....	24	67.4	11.16	.35	—	—	—	—	—	—	—	100	—	—
<b>Grand River Dam Authority</b> .....	<b>285</b>	<b>83.5</b>	<b>14.41</b>	<b>.46</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>12</b>	<b>289.7</b>	<b>2.92</b>	<b>100</b>	<b>—</b>	<b>*</b>
GRDA No 1 (OK) .....	285	83.5	14.41	.46	—	—	—	—	12	289.7	2.92	100	—	*
<b>Greenville City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>276.0</b>	<b>2.87</b>	<b>—</b>	<b>—</b>	<b>100</b>
Power Lane (TX) .....	—	—	—	—	—	—	—	—	1	276.0	2.87	—	—	100
<b>Gulf Power Co</b> .....	<b>319</b>	<b>144.8</b>	<b>35.39</b>	<b>1.21</b>	<b>10</b>	<b>395.8</b>	<b>23.02</b>	<b>.45</b>	<b>810</b>	<b>242.6</b>	<b>2.43</b>	<b>90</b>	<b>1</b>	<b>9</b>
Crist (FL) .....	258	146.8	35.75	.89	—	—	—	—	810	242.6	2.43	89	—	11
Smith (FL) .....	61	136.4	33.86	2.52	10	395.8	23.02	.45	—	—	—	96	4	—
<b>Gulf States Utilities Co</b> .....	<b>240</b>	<b>126.9</b>	<b>22.02</b>	<b>.49</b>	<b>*</b>	<b>439.1</b>	<b>25.97</b>	<b>.50</b>	<b>22,443</b>	<b>280.5</b>	<b>2.89</b>	<b>15</b>	<b>*</b>	<b>85</b>
Lewis Creek (TX) .....	—	—	—	—	—	—	—	—	3,391	270.9	2.84	—	—	100
Nelson (LA) .....	240	126.9	22.02	.49	—	—	—	—	2,808	282.6	2.93	59	—	41
Sabine (TX) .....	—	—	—	—	*	439.1	25.97	.50	9,855	284.2	2.91	—	*	100
Spindletop Storage (TX) .....	—	—	—	—	—	—	—	—	230	274.7	2.81	—	—	100
Willow Glen (LA) .....	—	—	—	—	—	—	—	—	6,159	279.2	2.89	—	—	100
<b>Hamilton City of</b> .....	<b>19</b>	<b>141.4</b>	<b>35.84</b>	<b>.76</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>43</b>	<b>293.5</b>	<b>3.00</b>	<b>92</b>	<b>—</b>	<b>8</b>
Hamilton (OH) .....	19	141.4	35.84	.76	—	—	—	—	43	293.5	3.00	92	—	8
<b>Hastings City of</b> .....	<b>31</b>	<b>64.2</b>	<b>10.65</b>	<b>.34</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Hastings (NE) .....	31	64.2	10.65	.34	—	—	—	—	—	—	—	100	—	—
<b>Hawaiian Electric Co Inc</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,416</b>	<b>325.2</b>	<b>20.38</b>	<b>.44</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>
Kahe (HI) .....	—	—	—	—	56	309.3	19.51	.41	—	—	—	—	—	100
Storage Facility # 1 .....	—	—	—	—	1,360	325.9	20.42	.44	—	—	—	—	—	100
<b>Holland City of</b> .....	<b>26</b>	<b>155.0</b>	<b>40.90</b>	<b>.86</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
James De Young (MI) .....	26	155.0	40.90	.86	—	—	—	—	—	—	—	100	—	—
<b>Holyoke Water Power Co</b> .....	<b>24</b>	<b>190.2</b>	<b>50.00</b>	<b>.56</b>	<b>*</b>	<b>420.5</b>	<b>24.33</b>	<b>.27</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>*</b>	<b>—</b>
Mount Tom (MA) .....	24	190.2	50.00	.56	*	420.5	24.33	.27	—	—	—	100	*	—
<b>Hoosier Energy R E C Inc</b> .....	<b>330</b>	<b>125.9</b>	<b>28.31</b>	<b>3.01</b>	<b>*</b>	<b>457.7</b>	<b>26.53</b>	<b>.10</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>*</b>	<b>—</b>
Frank E Ratts (IN) .....	67	139.2	31.31	1.38	*	449.3	26.04	.10	—	—	—	100	*	—
Merom (IN) .....	263	122.5	27.54	3.43	*	466.2	27.02	.10	—	—	—	100	*	—
<b>Houston Lighting &amp; Power Co</b> .....	<b>1,691</b>	<b>144.5</b>	<b>22.14</b>	<b>.65</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>37,583</b>	<b>269.5</b>	<b>2.75</b>	<b>40</b>	<b>—</b>	<b>60</b>
Bertron (TX) .....	—	—	—	—	—	—	—	—	3,156	271.9	2.80	—	—	100
Cedar Bayou (TX) .....	—	—	—	—	—	—	—	—	9,694	267.8	2.74	—	—	100
Deepwater (TX) .....	—	—	—	—	—	—	—	—	491	268.9	2.79	—	—	100
Green Bayou (TX) .....	—	—	—	—	—	—	—	—	1,248	267.5	2.77	—	—	100
Limestone (TX) .....	—	—	—	—	—	—	—	—	45	184.2	1.86	100	—	*
Parish (TX) .....	850	111.4	14.71	.97	—	—	—	—	5,776	268.6	2.75	71	—	29
Robinson (TX) .....	—	—	—	—	—	—	—	—	12,013	271.6	2.75	—	—	100
Webster (TX) .....	—	—	—	—	—	—	—	—	1,785	268.9	2.72	—	—	100
Wharton (TX) .....	—	—	—	—	—	—	—	—	3,376	268.2	2.70	—	—	100

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>Illinois Power Co</b> .....	<b>723</b>	<b>112.3</b>	<b>24.68</b>	<b>2.43</b>	<b>137</b>	<b>317.5</b>	<b>19.98</b>	<b>0.81</b>	<b>264</b>	<b>265.0</b>	<b>2.73</b>	<b>93</b>	<b>5</b>	<b>2</b>
Baldwin (IL) .....	532	105.7	22.79	2.91	1	484.5	28.49	.30	—	—	—	100	*	—
Havana (IL) .....	63	139.1	31.97	.49	132	311.2	19.63	.83	—	—	—	63	37	—
Hennepin (IL) .....	32	128.2	30.97	2.22	—	—	—	—	81	292.2	3.01	90	—	10
Vermilion (IL) .....	40	105.5	23.05	1.50	3	540.4	31.77	.30	12	302.7	3.12	96	2	1
Wood River (IL) .....	56	134.4	32.01	.86	—	—	—	—	171	249.5	2.57	88	—	12
<b>Imperial Irrigation District</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,003</b>	<b>261.9</b>	<b>2.63</b>	<b>—</b>	<b>—</b>	<b>100</b>
El Centro (CA) .....	—	—	—	—	—	—	—	—	1,003	261.9	2.63	—	—	100
<b>Independence City of</b> .....	<b>12</b>	<b>123.3</b>	<b>25.46</b>	<b>3.71</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>45</b>	<b>309.3</b>	<b>3.11</b>	<b>85</b>	<b>—</b>	<b>15</b>
Blue Valley (MO) .....	12	123.3	25.46	3.71	—	—	—	—	45	309.3	3.11	85	—	15
<b>Indiana &amp; Michigan Electric Co</b> .....	<b>860</b>	<b>112.6</b>	<b>22.96</b>	<b>.53</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Rockport (IN) .....	669	107.9	20.42	.34	—	—	—	—	—	—	—	100	—	—
Tanners Creek (IN) .....	191	124.5	31.84	1.18	—	—	—	—	—	—	—	100	—	—
<b>Indiana-Kentucky Electric Corp</b> .....	<b>336</b>	<b>114.9</b>	<b>22.75</b>	<b>.53</b>	<b>*</b>	<b>495.2</b>	<b>28.29</b>	<b>.30</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>*</b>	<b>—</b>
Clifty Creek (IN) .....	336	114.9	22.75	.53	*	495.2	28.29	.30	—	—	—	100	*	—
<b>Indianapolis Power &amp; Light Co</b> .....	<b>643</b>	<b>96.4</b>	<b>21.61</b>	<b>2.46</b>	<b>39</b>	<b>435.5</b>	<b>25.19</b>	<b>.11</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>98</b>	<b>2</b>	<b>—</b>
Petersburg (IN) .....	446	90.7	20.33	3.01	8	427.5	24.93	.34	—	—	—	100	*	—
Pritchard (IN) .....	63	106.7	23.68	1.20	15	455.9	26.32	.05	—	—	—	94	6	—
Stout (IN) .....	134	110.9	24.89	1.25	16	420.4	24.27	.05	—	—	—	97	3	—
<b>Interstate Power Co</b> .....	<b>240</b>	<b>108.7</b>	<b>20.81</b>	<b>.47</b>	<b>1</b>	<b>452.8</b>	<b>26.62</b>	<b>.10</b>	<b>156</b>	<b>189.7</b>	<b>1.90</b>	<b>97</b>	<b>*</b>	<b>3</b>
Dubuque (IA) .....	33	110.1	26.17	.94	—	—	—	—	—	—	—	100	—	—
Fox Lake (MN) .....	—	—	—	—	1	452.8	26.62	.10	135	146.0	1.46	—	4	96
Kapp (IA) .....	131	111.8	21.00	.39	—	—	—	—	21	465.0	4.65	99	—	1
Lansing (IA) .....	76	102.2	18.17	.40	—	—	—	—	—	—	—	100	—	—
<b>IES Utilities</b> .....	<b>452</b>	<b>88.4</b>	<b>14.92</b>	<b>.35</b>	<b>20</b>	<b>447.2</b>	<b>26.30</b>	<b>.10</b>	<b>319</b>	<b>261.2</b>	<b>2.61</b>	<b>95</b>	<b>1</b>	<b>4</b>
Burlington (IA) .....	68	80.6	13.55	.40	—	—	—	—	1 <sup>2</sup>	1,338.3	13.38	100	—	*
Ottumwa (IA) .....	270	89.1	14.96	.34	—	—	—	—	—	—	—	100	—	—
Prairie Creek (IA) .....	67	88.3	14.91	.33	*	459.3	27.01	.10	82	277.1	2.77	93	*	7
Sutherland (IA) .....	35	77.0	13.22	.31	20	447.1	26.29	.10	46	309.9	3.10	79	15	6
6th St (IA) .....	12	145.7	26.96	.38	—	—	—	—	190	237.1	2.37	53	—	47
<b>Jacksonville Electric Auth</b> .....	<b>174</b>	<b>153.0</b>	<b>38.25</b>	<b>1.31</b>	<b>75</b>	<b>300.2</b>	<b>18.86</b>	<b>.91</b>	<b>1,512</b>	<b>325.4</b>	<b>3.43</b>	<b>68</b>	<b>7</b>	<b>25</b>
Kennedy (FL) .....	—	—	—	—	—	—	—	—	3	325.4	3.43	—	—	100
Northside (FL) .....	—	—	—	—	71	293.5	18.50	.94	1,193	325.4	3.43	—	26	74
Southside (FL) .....	—	—	—	—	—	—	—	—	316	325.4	3.43	—	—	100
St Johns River (FL) .....	174	153.0	38.25	1.31	4	438.8	25.62	.35	—	—	—	100	*	—
<b>Jamestown City of</b> .....	<b>10</b>	<b>127.6</b>	<b>32.47</b>	<b>1.97</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Samuel A Carlson (NY) .....	10	127.6	32.47	1.97	—	—	—	—	—	—	—	100	—	—
<b>Jersey Central Power&amp;Light Co</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>74</b>	<b>350.0</b>	<b>3.62</b>	<b>—</b>	<b>—</b>	<b>100</b>
Sayreville (NJ) .....	—	—	—	—	—	—	—	—	74	350.0	3.62	—	—	100
<b>Kansas City City of</b> .....	<b>59</b>	<b>89.1</b>	<b>15.58</b>	<b>.30</b>	<b>28</b>	<b>435.6</b>	<b>25.25</b>	<b>.50</b>	<b>593</b>	<b>317.7</b>	<b>3.19</b>	<b>58</b>	<b>9</b>	<b>33</b>
Kaw (KS) .....	—	—	—	—	—	—	—	—	428	314.3	3.16	—	—	100
Nearman (KS) .....	—	—	—	—	10	439.1	25.45	.50	—	—	—	—	100	—
Quindaro (KS) .....	59	89.1	15.58	.30	18	433.8	25.14	.50	165	326.5	3.27	79	8	13
<b>Kansas City Power &amp; Light Co</b> .....	<b>922</b>	<b>73.7</b>	<b>12.81</b>	<b>.45</b>	<b>6</b>	<b>479.1</b>	<b>27.86</b>	<b>.20</b>	<b>654</b>	<b>293.3</b>	<b>2.93</b>	<b>96</b>	<b>*</b>	<b>4</b>
Hawthorne (MO) .....	—	—	—	—	—	—	—	—	654	293.3	2.93	—	—	100
Iatan (MO) .....	246	71.9	12.55	.33	—	—	—	—	—	—	—	100	—	—
La Cygne (KS) .....	482	67.6	11.65	.60	6	479.1	27.86	.20	—	—	—	100	*	—
Montrose (MO) .....	194	90.9	15.99	.20	—	—	—	—	—	—	—	100	—	—
<b>Kansas Gas &amp; Electric Co</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>192.6</b>	<b>12.70</b>	<b>1.50</b>	<b>2,999</b>	<b>247.7</b>	<b>2.50</b>	<b>—</b>	<b>1</b>	<b>99</b>
Evans (KS) .....	—	—	—	—	—	—	—	—	1,833	254.3	2.57	—	—	100
Gill (KS) .....	—	—	—	—	3	192.6	12.70	1.50	1,166	237.4	2.40	—	2	98
<b>Kansas Power &amp; Light Co</b> .....	<b>910</b>	<b>110.0</b>	<b>19.09</b>	<b>.34</b>	<b>11</b>	<b>485.2</b>	<b>28.12</b>	<b>.05</b>	<b>949</b>	<b>268.5</b>	<b>2.73</b>	<b>94</b>	<b>*</b>	<b>6</b>
Hutchinson (KS) .....	—	—	—	—	—	—	—	—	817	266.4	2.71	—	—	100
Jeffrey Energy Cnt (KS) .....	733	111.8	18.81	.33	11	485.2	28.12	.05	—	—	—	99	1	—
Lawrence (KS) .....	128	105.7	20.76	.41	—	—	—	—	84	283.5	2.87	97	—	3
Tecumseh (KS) .....	49	98.2	18.93	.39	—	—	—	—	48	278.0	2.77	95	—	5

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu					
	Receipts		Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts		Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts		Average Cost <sup>5</sup>		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(1,000 bbls)	(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(1,000 Mcf)	(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf				
<b>Kentucky Power Co.</b> .....	<b>345</b>	<b>104.9</b>	<b>25.61</b>	<b>1.13</b>	<b>1</b>	<b>442.9</b>	<b>25.88</b>	<b>0.10</b>	—	—	—	<b>100</b>	*	—			
Big Sandy (KY).....	345	104.9	25.61	1.13	1	442.9	25.88	.10	—	—	—	100	*	—			
<b>Kentucky Utilities Co.</b> .....	<b>728</b>	<b>107.6</b>	<b>26.09</b>	<b>1.70</b>	<b>4</b>	<b>520.4</b>	<b>30.60</b>	<b>.40</b>	—	—	—	<b>100</b>	*	—			
Brown (KY).....	133	114.2	28.42	1.32	*	531.8	31.27	.40	—	—	—	100	*	—			
Ghent (KY).....	517	106.0	25.61	1.75	2	526.5	30.96	.40	—	—	—	100	*	—			
Green River (KY).....	59	100.0	23.15	2.34	—	—	—	—	—	—	—	100	—	—			
Tyrone (KY).....	19	124.9	31.86	.87	1	502.5	29.55	.40	—	—	—	99	—	1			
<b>Lafayette City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,242</b>	<b>251.4</b>	<b>2.63</b>	—	—	—	<b>100</b>		
Bonin (LA).....	—	—	—	—	—	—	—	—	1,242	251.4	2.63	—	—	—	100		
<b>Lake Worth City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>371.0</b>	<b>21.76</b>	<b>.14</b>	<b>250</b>	<b>370.0</b>	<b>3.85</b>	—	—	<b>10</b>	<b>90</b>		
Tom G Smith (FL).....	—	—	—	—	5	371.0	21.76	.14	250	370.0	3.85	—	—	10	90		
<b>Lakeland City of</b> .....	<b>89</b>	<b>171.7</b>	<b>44.22</b>	<b>1.38</b>	<b>33</b>	<b>290.8</b>	<b>18.15</b>	<b>2.27</b>	<b>1,403</b>	<b>306.3</b>	<b>3.16</b>	<b>58</b>	<b>5</b>	<b>37</b>			
Larsen Mem (FL).....	—	—	—	—	10	295.4	18.36	1.95	687	306.3	3.16	—	8	92			
Plant 3-Mcintosh (FL).....	89	171.7	44.22	1.38	23	288.8	18.05	2.41	716	306.3	3.16	72	5	23			
<b>Lansing City of</b> .....	<b>154</b>	<b>146.1</b>	<b>30.98</b>	<b>.56</b>	<b>1</b>	<b>341.0</b>	<b>19.76</b>	<b>.26</b>	—	—	—	<b>100</b>	*	—			
Eckert (MI).....	108	140.6	27.47	.41	1	341.0	19.76	.30	—	—	—	100	*	—			
Erickson (MI).....	46	156.1	39.30	.89	*	341.0	19.76	.10	—	—	—	100	*	—			
<b>Long Island Lighting Co.</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>435</b>	<b>287.3</b>	<b>18.34</b>	<b>.96</b>	<b>10,232</b>	<b>310.6</b>	<b>3.16</b>	—	—	<b>21</b>	<b>79</b>		
Barrett (NY).....	—	—	—	—	—	—	—	—	2,043	322.0	3.31	—	—	—	100		
Far Rockaway (NY).....	—	—	—	—	—	—	—	—	328	295.0	3.04	—	—	—	100		
Glenwood (NY).....	—	—	—	—	—	—	—	—	1,019	325.0	3.33	—	—	—	100		
Northport (NY).....	—	—	—	—	330	284.5	18.15	.96	5,191	306.0	3.09	—	29	71			
Port Jefferson (NY).....	—	—	—	—	105	296.2	18.91	.94	1,651	305.0	3.09	—	29	71			
<b>Los Angeles City of</b> .....	<b>418</b>	<b>142.3</b>	<b>33.57</b>	<b>.49</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>7,517</b>	<b>328.0</b>	<b>3.32</b>	<b>56</b>	<b>—</b>	<b>44</b>			
Harbor (CA).....	—	—	—	—	—	—	—	—	536	328.0	3.33	—	—	—	100		
Haynes (CA).....	—	—	—	—	—	—	—	—	4,688	328.0	3.29	—	—	—	100		
Intermountain (UT).....	418	142.3	33.57	.49	—	—	—	—	—	—	—	100	—	—			
Scattergood (CA).....	—	—	—	—	—	—	—	—	2,025	328.0	3.37	—	—	—	100		
Valley (CA).....	—	—	—	—	—	—	—	—	268	328.0	3.37	—	—	—	100		
<b>Louisiana Power &amp; Light Co.</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>18,851</b>	<b>292.7</b>	<b>3.03</b>	—	—	—	<b>100</b>		
Little Gypsy (LA).....	—	—	—	—	—	—	—	—	4,300	289.0	2.99	—	—	—	100		
Monroe (LA).....	—	—	—	—	—	—	—	—	174	379.0	3.89	—	—	—	100		
Nine Mile (LA).....	—	—	—	—	—	—	—	—	9,181	293.1	3.03	—	—	—	100		
Sterlington (LA).....	—	—	—	—	—	—	—	—	1,697	270.4	2.79	—	—	—	100		
Waterford (LA).....	—	—	—	—	—	—	—	—	3,500	302.5	3.14	—	—	—	100		
<b>Louisville Gas &amp; Electric Co.</b> .....	<b>581</b>	<b>96.6</b>	<b>21.96</b>	<b>3.44</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>35</b>	<b>318.4</b>	<b>3.26</b>	<b>100</b>	—	<b>*</b>			
Cane Run (KY).....	116	99.5	23.12	3.47	—	—	—	—	21	318.4	3.26	99	—	1			
Mill Creek (KY).....	282	98.8	22.81	3.41	—	—	—	—	15	318.4	3.26	100	—	*			
Trimble County (KY).....	183	90.9	19.93	3.45	—	—	—	—	—	—	—	100	—	—			
<b>Lower Colorado River Authority</b> .....	<b>657</b>	<b>92.4</b>	<b>15.84</b>	<b>.35</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4,565</b>	<b>261.4</b>	<b>2.66</b>	<b>71</b>	<b>—</b>	<b>29</b>			
Gideon (TX).....	—	—	—	—	—	—	—	—	2,935	253.5	2.56	—	—	—	100		
S Seymour-Fayette (TX).....	657	92.4	15.84	.35	—	—	—	—	—	—	—	100	—	—			
T C Ferguson (TX).....	—	—	—	—	—	—	—	—	1,630	275.3	2.84	—	—	—	100		
<b>Lubbock City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>668</b>	<b>207.3</b>	<b>2.08</b>	—	—	<b>100</b>			
Holly Ave (TX).....	—	—	—	—	—	—	—	—	533	206.7	2.07	—	—	—	100		
Plant 2 (TX).....	—	—	—	—	—	—	—	—	135	209.8	2.10	—	—	—	100		
<b>Madison Gas &amp; Electric Co.</b> .....	<b>17</b>	<b>134.2</b>	<b>29.50</b>	<b>1.66</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>250</b>	<b>300.7</b>	<b>3.05</b>	<b>60</b>	<b>—</b>	<b>40</b>			
Blount (WI).....	17	134.2	29.50	1.66	—	—	—	—	250	300.7	3.05	60	—	40			
<b>Manitowoc Public Utilities</b> .....	<b>21</b>	<b>154.7</b>	<b>39.83</b>	<b>1.54</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	—	—			
Manitowoc (WI).....	21	154.7	39.83	1.54	—	—	—	—	—	—	—	100	—	—			
<b>Marquette City of</b> .....	<b>24</b>	<b>116.0</b>	<b>21.63</b>	<b>.39</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	—	—			
Shiras (MI).....	24	116.0	21.63	.39	—	—	—	—	—	—	—	100	—	—			
<b>Massachusetts Mun Wholes El Co.</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>501</b>	<b>302.5</b>	<b>3.10</b>	—	—	<b>100</b>			
Stonybrook (MA).....	—	—	—	—	—	—	—	—	501	302.5	3.10	—	—	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, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu			
	Receipts (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Petroleum	Gas	
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf				
<b>Medina Electric Coop Inc.</b> .....	—	—	—	—	—	—	—	—	<b>273</b>	<b>288.0</b>	<b>3.26</b>	—	—	<b>100</b>	
Pearsall (TX).....	—	—	—	—	—	—	—	—	273	288.0	3.26	—	—	100	
<b>Metropolitan Edison Co.</b> .....	<b>177</b>	<b>141.7</b>	<b>37.06</b>	<b>1.67</b>	<b>1</b>	<b>424.9</b>	<b>24.27</b>	<b>0.30</b>	—	—	—	<b>100</b>	*	—	
Portland (PA).....	117	143.5	37.34	1.85	—	—	—	—	—	—	—	100	—	—	
Titus (PA).....	60	138.4	36.51	1.31	1	424.9	24.27	.30	—	—	—	100	*	—	
<b>Michigan South Central Pwr Agcy</b> .....	<b>12</b>	<b>157.5</b>	<b>37.97</b>	<b>3.05</b>	—	—	—	—	—	—	—	<b>100</b>	—	—	
Project I (MI).....	12	157.5	37.97	3.05	—	—	—	—	—	—	—	100	—	—	
<b>MidAmerican Energy</b> .....	<b>1,083</b>	<b>78.8</b>	<b>13.40</b>	<b>.33</b>	<b>1</b>	<b>432.4</b>	<b>24.70</b>	<b>.10</b>	<b>52</b>	<b>361.1</b>	<b>3.69</b>	<b>100</b>	*	*	
Council Bluffs (IA).....	305	72.3	12.14	.33	1	432.4	24.70	.10	3	427.6	4.20	100	*	*	
George Neal 1-4 (IA).....	547	78.1	13.44	.34	—	—	—	—	11	447.4	4.57	100	—	*	
Louisa (IA).....	198	88.5	14.86	.32	—	—	—	—	18	301.2	3.10	99	—	1	
Riverside (IA).....	33	93.6	15.59	.35	—	—	—	—	20	360.6	3.68	96	—	4	
<b>Minnesota Power &amp; Light Co.</b> .....	<b>368</b>	<b>112.9</b>	<b>20.53</b>	<b>.54</b>	<b>2</b>	<b>470.8</b>	<b>27.09</b>	<b>.20</b>	—	—	—	<b>100</b>	*	—	
Boswell Energy Center (MN).....	357	112.9	20.49	.55	2	470.8	27.09	.20	—	—	—	100	*	—	
Laskin Energy Center (MN).....	12	114.6	21.58	.34	—	—	—	—	—	—	—	100	—	—	
<b>Minnkota Power Coop Inc.</b> .....	<b>373</b>	<b>59.2</b>	<b>7.71</b>	<b>.83</b>	<b>2</b>	<b>485.7</b>	<b>28.56</b>	<b>.40</b>	—	—	—	<b>100</b>	*	—	
Young (ND).....	373	59.2	7.71	.83	2	485.7	28.56	.40	—	—	—	100	*	—	
<b>Mississippi Power &amp; Light Co.</b> .....	—	—	—	—	<b>252</b>	<b>164.6</b>	<b>10.93</b>	<b>2.78</b>	<b>8,531</b>	<b>278.2</b>	<b>2.85</b>	—	<b>16</b>	<b>84</b>	
Brown (MS).....	—	—	—	—	1	303.8	17.97	.30	1,053	249.4	2.51	—	1	99	
Delta (MS).....	—	—	—	—	—	—	—	—	736	296.3	3.03	—	—	100	
Gerald Andrus (MS).....	—	—	—	—	14	184.4	12.09	.90	2,764	275.7	2.85	—	3	97	
Wilson (MS).....	—	—	—	—	237	162.8	10.82	2.90	3,978	284.0	2.91	—	28	72	
<b>Mississippi Power Co.</b> .....	<b>342</b>	<b>140.9</b>	<b>32.52</b>	<b>.84</b>	*	<b>441.3</b>	<b>25.88</b>	<b>.44</b>	<b>2,457</b>	<b>252.5</b>	<b>2.59</b>	<b>76</b>	*	<b>24</b>	
Bay Gas (MS).....	—	—	—	—	—	—	—	—	141	205.6	2.13	—	—	100	
Daniel (MS).....	213	140.0	31.47	.56	*	441.3	25.88	.44	—	—	—	100	*	—	
Eaton (MS).....	—	—	—	—	—	—	—	—	558	249.1	2.53	—	—	100	
Sweatt (MS).....	—	—	—	—	—	—	—	—	642	299.7	3.07	—	—	100	
Watson (MS).....	129	142.2	34.25	1.30	—	—	—	—	1,116	233.2	2.41	73	—	27	
<b>Monongahela Power Co.</b> .....	<b>1,273</b>	<b>105.6</b>	<b>26.55</b>	<b>2.91</b>	<b>2</b>	<b>410.2</b>	<b>24.29</b>	<b>.30</b>	<b>27</b>	<b>292.8</b>	<b>2.93</b>	<b>100</b>	*	*	
Albright (WV).....	44	104.5	26.12	1.69	*	435.1	25.77	.30	—	—	—	100	*	—	
Ft Martin (WV).....	288	104.3	26.71	1.76	1	438.5	25.97	.30	—	—	—	100	*	—	
Harrison (WV).....	556	110.9	27.77	3.36	*	271.3	16.07	.30	10	339.6	3.40	100	*	*	
Pleasants (WV).....	290	95.2	23.53	3.90	*	557.1	32.99	.30	16	265.8	2.66	100	*	*	
Rivesville (WV).....	24	117.8	28.46	.98	*	436.3	25.84	.30	—	—	—	100	*	—	
Willow Island (WV).....	72	107.4	28.23	1.48	—	—	—	—	1	269.8	2.70	100	—	*	
<b>Montana Power Co.</b> .....	<b>990</b>	<b>65.5</b>	<b>11.08</b>	<b>.76</b>	<b>1</b>	<b>477.0</b>	<b>28.25</b>	<b>.20</b>	*	<b>2</b>	<b>9,043.2</b>	<b>97.49</b>	<b>100</b>	*	*
Colstrip (MT).....	910	66.1	11.15	.81	1	477.0	28.25	.20	—	—	—	100	*	—	
Corette (MT).....	80	58.7	10.34	.20	—	—	—	—	*	2	9,043.2	97.49	100	—	*
<b>Montana-Dakota Utilities Co.</b> .....	<b>266</b>	<b>81.1</b>	<b>11.35</b>	<b>.94</b>	—	—	—	—	<b>6</b>	<b>304.9</b>	<b>3.63</b>	<b>100</b>	—	*	
Coyote (ND).....	198	75.8	10.60	1.03	—	—	—	—	—	—	—	100	—	—	
Heskett (ND).....	44	98.1	13.88	.75	—	—	—	—	—	—	—	100	—	—	
Lewis and Clark (MT).....	24	93.5	12.85	.53	—	—	—	—	6	304.9	3.63	98	—	2	
<b>Montaup Electric Co.</b> .....	<b>28</b>	<b>182.1</b>	<b>46.85</b>	<b>.66</b>	—	—	—	—	—	—	—	<b>100</b>	—	—	
Somerset (MA).....	28	182.1	46.85	.66	—	—	—	—	—	—	—	100	—	—	
<b>Morgan City City of.</b> .....	—	—	—	—	—	—	—	—	<b>219</b>	<b>284.0</b>	<b>3.05</b>	—	—	<b>100</b>	
Morgan City (LA).....	—	—	—	—	—	—	—	—	219	284.0	3.05	—	—	100	
<b>Muscatine City of.</b> .....	<b>150</b>	<b>78.2</b>	<b>12.56</b>	<b>.86</b>	<b>1</b>	<b>332.1</b>	<b>19.32</b>	<b>.50</b>	<b>79</b>	<b>309.9</b>	<b>3.18</b>	<b>96</b>	*	<b>3</b>	
Muscatine (IA).....	150	78.2	12.56	.86	1	332.1	19.32	.50	79	309.9	3.18	96	*	3	
<b>Nebraska Public Power District</b> .....	<b>569</b>	<b>48.8</b>	<b>8.41</b>	<b>.27</b>	*	<b>485.0</b>	<b>28.14</b>	<b>.20</b>	<b>10</b>	<b>633.2</b>	<b>6.33</b>	<b>100</b>	*	*	
Gerald Gentleman (NE).....	487	46.5	8.00	.28	*	485.0	28.14	.20	9	655.0	6.55	100	*	*	
Sheldon (NE).....	82	62.1	10.85	.20	—	—	—	—	1	468.4	4.68	100	—	*	
<b>Nevada Power Co.</b> .....	<b>154</b>	<b>108.5</b>	<b>25.76</b>	<b>.44</b>	<b>3</b>	<b>535.7</b>	<b>31.30</b>	<b>.30</b>	<b>3,670</b>	<b>221.0</b>	<b>2.29</b>	<b>49</b>	*	<b>51</b>	
Clark (NV).....	—	—	—	—	—	—	—	—	3,314	221.0	2.29	—	—	100	
Gardner (NV).....	154	108.5	25.76	.44	3	535.7	31.30	.30	—	—	—	100	*	—	
Sunrise (NV).....	—	—	—	—	—	—	—	—	356	221.0	2.29	—	—	100	

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 <sup>6</sup> Btu)			(\$ per short ton)	(1,000 bbls)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			
<b>New Orleans Public Service Inc</b> .....	—	—	—	—	2	298.5	17.65	0.50	4,436	280.4	2.91	—	*	100
Michoud (LA).....	—	—	—	—	—	—	—	—	3,769	279.3	2.89	—	—	100
Paterson (LA).....	—	—	—	—	2	298.5	17.65	.50	667	287.0	3.00	—	2	98
<b>Niagara Mohawk Power Corp</b> .....	—	—	—	—	216	305.1	19.27	1.26	1,836	299.7	3.04	—	42	58
Albany (NY).....	—	—	—	—	—	—	—	—	1,477	290.3	2.94	—	—	100
Oswego (NY).....	—	—	—	—	216	305.1	19.27	1.26	358	338.2	3.44	—	79	21
<b>Northern Indiana Pub Serv Co</b> .....	770	125.7	25.09	1.18	—	—	—	—	686	275.4	2.83	96	—	4
Bailly (IN).....	109	139.7	30.51	2.18	—	—	—	—	3	450.1	4.62	100	—	*
Michigan City (IN).....	111	128.8	24.23	.38	—	—	—	—	229	300.9	3.09	90	—	10
Mitchell (IN).....	120	138.5	26.19	.44	—	—	—	—	424	254.7	2.61	84	—	16
Rollin Schahfer (IN).....	429	117.7	23.64	1.34	—	—	—	—	30	353.9	3.63	100	—	*
<b>Northern States Power Co</b> .....	1,229	108.2	19.05	.43	—	—	—	—	137	252.2	2.55	99	—	1
Bay Front (WI).....	1	158.9	35.21	.39	—	—	—	—	88	257.0	2.59	26	—	74
Black Dog (MN).....	96	98.0	17.45	.19	—	—	—	—	31	203.5	2.07	98	—	2
High Bridge (MN).....	73	86.3	15.36	.19	—	—	—	—	16	304.8	3.11	99	—	1
King (MN).....	134	110.8	19.61	.29	—	—	—	—	—	—	—	100	—	—
Riverside (MN).....	120	87.7	15.62	.19	—	—	—	—	2	345.3	3.53	100	—	*
Sherburne County (MN).....	804	114.1	19.97	.54	—	—	—	—	—	—	—	100	—	—
<b>Ohio Edison Co</b> .....	562	107.2	26.24	1.51	7	153.6	9.09	.40	235	243.6	2.51	98	*	2
Burger (OH).....	52	91.0	21.79	2.63	*	428.1	24.84	.38	—	—	—	100	*	—
Edgewater (OH).....	—	—	—	—	5	114.0	6.79	.41	235	243.6	2.51	—	11	89
Niles (OH).....	50	108.6	25.35	3.28	1	117.0	6.80	.40	—	—	—	99	1	—
Sammis (OH).....	460	108.9	26.84	1.19	1	318.3	18.56	.35	—	—	—	100	*	—
<b>Ohio Power Co</b> .....	1,329	173.7	41.38	2.59	3	439.5	25.56	.12	—	—	—	100	*	—
Gavin (OH).....	610	202.7	46.90	3.21	—	—	—	—	—	—	—	100	—	—
Kammer (WV).....	166	89.7	22.07	3.42	1	478.0	28.03	.20	—	—	—	100	*	—
Mitchell (WV).....	318	140.4	34.77	.80	—	—	—	—	—	—	—	100	—	—
Muskingum (OH).....	236	209.1	49.58	2.82	3	432.6	25.12	.10	—	—	—	100	*	—
<b>Ohio Valley Electric Corp</b> .....	259	113.8	29.29	2.64	1	471.1	26.91	.30	—	—	—	100	*	—
Kyger Creek (OH).....	259	113.8	29.29	2.64	1	471.1	26.91	.30	—	—	—	100	*	—
<b>Oklahoma Gas &amp; Electric Co</b> .....	1,015	81.0	14.03	.29	—	—	—	—	9,838	296.9	3.08	63	—	37
Horseshoe Lake (OK).....	—	—	—	—	—	—	—	—	2,566	296.9	3.08	—	—	100
Muskogee (OK).....	518	83.2	14.41	.29	—	—	—	—	772	296.9	3.08	92	—	8
Mustang (OK).....	—	—	—	—	—	—	—	—	1,684	296.9	3.08	—	—	100
Seminole (OK).....	—	—	—	—	—	—	—	—	4,815	296.9	3.08	—	—	100
Sooner (OK).....	497	78.8	13.63	.29	—	—	—	—	—	—	—	100	—	—
<b>Omaha Public Power District</b> .....	372	60.4	10.09	.33	—	—	—	—	106	338.9	3.35	98	—	2
Nebraska City (NE).....	167	54.2	9.03	.34	—	—	—	—	—	—	—	100	—	—
North Omaha (NE).....	204	65.4	10.96	.33	—	—	—	—	106	338.9	3.35	97	—	3
<b>Orlando Utilities Comm</b> .....	184	163.1	41.74	1.16	54	319.3	20.55	.99	722	338.6	3.52	81	6	13
Indian River (FL).....	—	—	—	—	54	318.2	20.50	1.00	722	338.6	3.52	—	32	68
Stanton Energy (FL).....	184	163.1	41.74	1.16	1	441.7	25.52	.05	—	—	—	100	*	—
<b>Orrville City of</b> .....	17	101.2	23.66	3.61	—	—	—	—	—	—	—	100	—	—
Orrville (OH).....	17	101.2	23.66	3.61	—	—	—	—	—	—	—	100	—	—
<b>Otter Tail Power Co</b> .....	226	99.1	17.32	.57	—	—	—	—	—	—	—	100	—	—
Big Stone (SD).....	181	93.5	16.15	.59	—	—	—	—	—	—	—	100	—	—
Hoot Lake (MN).....	45	120.6	22.02	.46	—	—	—	—	—	—	—	100	—	—
<b>Owensboro City of</b> .....	108	94.3	21.08	3.49	—	—	—	—	—	—	—	100	—	—
Smith (KY).....	108	94.3	21.08	3.49	—	—	—	—	—	—	—	100	—	—
<b>Pacific Gas &amp; Electric Co</b> .....	—	—	—	—	—	—	—	—	692	284.7	2.89	—	—	100
Humboldt Bay (CA).....	—	—	—	—	—	—	—	—	262	284.7	2.91	—	—	100
Hunters Point (CA).....	—	—	—	—	—	—	—	—	430	284.7	2.88	—	—	100
<b>PacifiCorp</b> .....	2,876	92.4	17.65	.56	12	461.1	27.11	.30	546	263.2	2.69	99	*	1
Carbon (UT).....	53	56.6	13.78	.41	—	—	—	—	—	—	—	100	—	—
Centralia (WA).....	587	148.5	24.25	.71	2	527.7	31.03	.30	—	—	—	100	*	—
Emery-Hunter (UT).....	368	78.0	18.54	.52	4	447.2	26.30	.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, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts  (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts  (1,000 bbls)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts  (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>PacifiCorp</b>														
Gadsby (UT).....	—	—	—	—	—	—	—	—	541	261.6	2.67	—	—	100
Huntington (UT).....	337	59.0	14.44	0.38	—	—	—	—	—	—	—	100	—	—
Jim Bridger (WY).....	763	100.8	18.62	.55	4	413.4	24.31	0.30	—	—	—	100	*	—
Johnston (WY).....	375	46.2	7.30	.50	2	517.5	30.43	.30	—	—	—	100	*	—
Naughton (WY).....	204	122.0	24.18	.72	—	—	—	—	5	439.9	4.59	100	—	*
Wyodak (WY).....	189	74.0	11.82	.52	—	—	—	—	—	—	—	100	—	—
<b>Painesville City of</b> .....	<b>9</b>	<b>134.2</b>	<b>34.04</b>	<b>2.49</b>	—	—	—	—	<b>1</b>	<b>458.8</b>	<b>4.59</b>	<b>100</b>	—	<b>*</b>
Painesville (OH).....	9	134.2	34.04	2.49	—	—	—	—	1	458.8	4.59	100	—	*
<b>Pasadena City of</b> .....	—	—	—	—	—	—	—	—	<b>332</b>	<b>145.1</b>	<b>1.48</b>	—	—	<b>100</b>
Broadway (CA).....	—	—	—	—	—	—	—	—	332	145.1	1.48	—	—	100
<b>Pennsylvania Electric Co</b> .....	<b>961</b>	<b>113.4</b>	<b>28.50</b>	<b>2.06</b>	<b>15</b>	<b>421.5</b>	<b>24.57</b>	<b>.05</b>	—	—	—	<b>100</b>	*	—
Conemaugh (PA).....	446	101.9	26.02	2.41	—	—	—	—	—	—	—	100	—	—
Keystone (PA).....	342	129.5	32.11	1.74	—	—	—	—	—	—	—	100	—	—
Seward (PA).....	32	110.0	26.93	1.63	1	413.1	24.08	.05	—	—	—	99	1	—
Shawville (PA).....	117	112.1	27.89	1.75	3	426.0	24.83	.05	—	—	—	99	1	—
Warren (PA).....	24	115.2	28.09	1.87	11	421.0	24.54	.05	—	—	—	90	10	—
<b>Pennsylvania Power &amp; Light Co</b> .....	<b>766</b>	<b>136.5</b>	<b>34.89</b>	<b>1.68</b>	<b>210</b>	<b>286.1</b>	<b>18.61</b>	<b>.73</b>	<b>1,341</b>	<b>307.3</b>	<b>3.18</b>	<b>88</b>	<b>6</b>	<b>6</b>
Brunner Island (PA).....	340	144.5	37.15	1.39	7	431.4	25.07	.22	—	—	—	100	*	—
Martins Creek (PA).....	29	120.9	32.05	2.12	—	—	—	—	1,341	307.3	3.18	36	—	64
Montour (PA).....	371	131.5	33.74	1.96	6	415.1	24.36	.11	—	—	—	100	*	—
Storage Facility # 1.....	—	—	—	—	196	277.4	18.17	.78	—	—	—	—	100	—
Sunbury (PA).....	26	115.7	24.89	1.08	1	406.1	23.78	.16	—	—	—	99	1	—
<b>Pennsylvania Power Co</b> .....	<b>319</b>	<b>196.5</b>	<b>47.04</b>	<b>3.08</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
Bruce Mansfield (PA).....	262	214.2	51.27	3.38	—	—	—	—	—	—	—	100	—	—
New Castle (PA).....	57	115.4	27.65	1.70	—	—	—	—	—	—	—	100	—	—
<b>Philadelphia Electric Co</b> .....	<b>163</b>	<b>143.7</b>	<b>37.88</b>	<b>1.84</b>	<b>421</b>	<b>293.0</b>	<b>18.64</b>	<b>.44</b>	<b>504</b>	<b>286.0</b>	<b>2.95</b>	<b>57</b>	<b>36</b>	<b>7</b>
Cromby (PA).....	38	142.5	37.47	1.73	33	299.9	19.15	.66	69	286.0	2.95	78	16	6
Delaware (PA).....	—	—	—	—	61	292.1	18.57	.35	—	—	—	—	100	—
Eddystone (PA).....	125	144.1	38.00	1.87	291	288.3	18.35	.44	436	286.0	2.95	59	33	8
Schuylkill (PA).....	—	—	—	—	36	326.7	20.59	.38	—	—	—	—	100	—
<b>Plains Elec Gen&amp;Trans Coop Inc</b> .....	<b>108</b>	<b>124.1</b>	<b>22.79</b>	<b>.85</b>	—	—	—	—	<b>2</b>	<b>323.3</b>	<b>2.69</b>	<b>100</b>	—	<b>*</b>
Escalante (NM).....	108	124.1	22.79	.85	—	—	—	—	2	323.3	2.69	100	—	*
<b>Platte River Power Authority</b> .....	<b>117</b>	<b>59.8</b>	<b>10.50</b>	<b>.24</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
Rawhide (CO).....	117	59.8	10.50	.24	—	—	—	—	—	—	—	100	—	—
<b>Portland General Electric Co</b> .....	<b>258</b>	<b>110.4</b>	<b>19.23</b>	<b>.46</b>	<b>42</b>	<b>414.1</b>	<b>24.35</b>	<b>.10</b>	<b>2,140</b>	<b>164.1</b>	<b>1.66</b>	<b>65</b>	<b>4</b>	<b>31</b>
Beaver (OR).....	—	—	—	—	42	414.1	24.35	.10	1,124	165.4	1.67	—	18	82
Boardman (OR).....	258	110.4	19.23	.46	—	—	—	—	—	—	—	100	—	—
Coyote Springs (OR).....	—	—	—	—	—	—	—	—	1,017	162.6	1.64	—	—	100
<b>Potomac Edison Co</b> .....	<b>21</b>	<b>129.6</b>	<b>31.88</b>	<b>1.01</b>	<b>*</b>	<b>403.2</b>	<b>23.88</b>	<b>.30</b>	—	—	—	<b>100</b>	*	—
Smith (MD).....	21	129.6	31.88	1.01	*	403.2	23.88	.30	—	—	—	100	*	—
<b>Potomac Electric Power Co</b> .....	<b>621</b>	<b>131.3</b>	<b>34.77</b>	<b>1.22</b>	<b>551</b>	<b>318.1</b>	<b>19.91</b>	<b>.85</b>	<b>615</b>	<b>300.0</b>	<b>3.13</b>	<b>80</b>	<b>17</b>	<b>3</b>
Benning (DC).....	—	—	—	—	124	357.5	21.43	.97	—	—	—	—	100	—
Chalk (MD).....	136	130.9	34.74	1.20	413	303.0	19.25	.84	615	300.0	3.13	53	38	9
Dickerson (MD).....	120	122.3	32.70	1.29	4	452.3	26.41	.20	—	—	—	99	1	—
Morgantown (MD).....	258	131.9	34.70	1.38	1	414.8	24.22	.30	—	—	—	100	*	—
Potomac River (VA).....	107	140.4	37.28	.75	9	445.8	25.99	.20	—	—	—	98	2	—
<b>Power Authority of State of NY</b> .....	—	—	—	—	—	—	—	—	<b>2,316</b>	<b>366.8</b>	<b>3.75</b>	—	—	<b>100</b>
Poletti (NY).....	—	—	—	—	—	—	—	—	1,571	335.4	3.45	—	—	100
Richard Flynn (NY).....	—	—	—	—	—	—	—	—	745	434.0	4.39	—	—	100
<b>Public Service Co of Colorado</b> .....	<b>841</b>	<b>96.1</b>	<b>18.20</b>	<b>.37</b>	—	—	—	—	<b>2,030</b>	<b>240.3</b>	<b>2.49</b>	<b>88</b>	—	<b>12</b>
Araphoe (CO).....	82	82.2	14.50	.24	—	—	—	—	192	304.0	2.99	88	—	12
Cameo (CO).....	30	97.1	21.16	.59	—	—	—	—	2	423.0	4.26	100	—	*
Cherokee (CO).....	169	92.1	20.43	.51	—	—	—	—	85	342.0	3.38	98	—	2
Comanche (CO).....	243	99.5	17.07	.31	—	—	—	—	8	400.0	3.95	100	—	*
Fort St. Vrain (CO).....	—	—	—	—	—	—	—	—	1,658	225.0	2.35	—	—	100
Hayden (CO).....	110	118.1	25.41	.41	—	—	—	—	—	—	—	100	—	—

See notes and footnotes at end of table.



**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts  (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sul- fur %	Receipts  (1,000 bbbls)	Average Cost <sup>5</sup>		Avg. Sul- fur %	Receipts  (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Pet- ro- leum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>Public Service Co of Colorado</b>														
Pawnee (CO).....	196	85.9	14.51	0.33	—	—	—	—	4	391.0	4.06	100	—	*
Valmont (CO).....	10	108.6	22.38	.34	—	—	—	—	7	342.0	3.38	97	—	3
Zuni (CO).....	—	—	—	—	—	—	—	—	75	280.0	2.76	—	—	100
<b>Public Service Co of NH</b> .....	<b>128</b>	<b>143.7</b>	<b>37.30</b>	<b>1.19</b>	<b>96</b>	<b>272.4</b>	<b>17.63</b>	<b>1.85</b>	<b>40</b>	<b>293.6</b>	<b>3.02</b>	<b>83</b>	<b>15</b>	<b>1</b>
Merrimack (NH).....	49	154.1	40.61	1.97	*	439.8	25.46	.27	—	—	—	100	*	—
Newington Station (NH).....	—	—	—	—	95	272.3	17.63	1.86	40	293.6	3.02	—	94	6
Schiller (NH).....	79	137.1	35.25	.71	—	—	—	—	—	—	—	100	—	—
<b>Public Service Co of NM</b> .....	<b>581</b>	<b>175.9</b>	<b>32.73</b>	<b>.88</b>	<b>1</b>	<b>590.2</b>	<b>33.71</b>	<b>.10</b>	<b>196</b>	<b>307.3</b>	<b>3.14</b>	<b>98</b>	<b>*</b>	<b>2</b>
Reeves (NM).....	—	—	—	—	—	—	—	—	196	307.3	3.14	—	—	100
San Juan (NM).....	581	175.9	32.73	.88	1	590.2	33.71	.10	—	—	—	100	*	—
<b>Public Service Co of Oklahoma</b> .....	<b>375</b>	<b>117.2</b>	<b>20.24</b>	<b>.20</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>11,729</b>	<b>278.3</b>	<b>2.86</b>	<b>35</b>	<b>—</b>	<b>65</b>
Comanche (CS) (OK).....	—	—	—	—	—	—	—	—	1,396	278.0	2.88	—	—	100
Northeastern (OK).....	375	117.2	20.24	.20	—	—	—	—	2,857	276.4	2.83	69	—	31
Riverside (OK).....	—	—	—	—	—	—	—	—	3,818	272.6	2.79	—	—	100
Southwestern (OK).....	—	—	—	—	—	—	—	—	2,014	286.4	2.96	—	—	100
Tulsa (OK).....	—	—	—	—	—	—	—	—	1,644	285.4	2.95	—	—	100
<b>Public Service Electric&amp;Gas Co</b> .....	<b>144</b>	<b>142.8</b>	<b>38.40</b>	<b>.74</b>	<b>129</b>	<b>401.1</b>	<b>24.16</b>	<b>.19</b>	<b>3,520</b>	<b>328.6</b>	<b>3.38</b>	<b>47</b>	<b>9</b>	<b>44</b>
Bergen (NJ).....	—	—	—	—	—	—	—	—	1,322	322.4	3.32	—	—	100
Burlington (NJ).....	—	—	—	—	47	467.7	26.23	*	388	332.4	3.42	—	40	60
Hudson (NJ).....	53	145.2	37.71	.85	—	—	—	—	796	332.4	3.41	63	—	37
Kearny (NJ).....	—	—	—	—	29	365.2	23.13	.29	—	—	—	—	100	—
Linden (NJ).....	—	—	—	—	52	366.9	22.86	.30	—	—	—	—	100	—
Mercer (NJ).....	91	141.5	38.80	.67	—	—	—	—	340	332.4	3.42	88	—	12
Sewaren (NJ).....	—	—	—	—	—	—	—	—	674	332.4	3.42	—	—	100
<b>PSI Energy Inc</b> .....	<b>1,620</b>	<b>108.2</b>	<b>24.16</b>	<b>1.72</b>	<b>44</b>	<b>464.3</b>	<b>26.72</b>	<b>.30</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>99</b>	<b>1</b>	<b>—</b>
Cayuga (IN).....	335	116.1	25.02	1.32	—	—	—	—	—	—	—	100	—	—
Edwardsport (IN).....	36	95.2	21.13	.70	17	465.0	26.76	.30	—	—	—	89	11	—
Gallagher (IN).....	158	113.0	29.16	2.22	3	425.8	24.50	.30	—	—	—	100	*	—
Gibson Station (IN).....	867	105.0	23.20	1.76	3	403.3	23.21	.30	—	—	—	100	*	—
Noblesville (IN).....	25	120.8	27.57	2.26	*	431.0	24.80	.30	—	—	—	100	*	—
Wabash River (IN).....	199	105.1	23.01	1.99	21	478.6	27.54	.30	—	—	—	97	3	—
<b>Richmond City of</b> .....	<b>31</b>	<b>121.1</b>	<b>28.83</b>	<b>2.61</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Whitewater (IN).....	31	121.1	28.83	2.61	—	—	—	—	—	—	—	100	—	—
<b>Rochester City of</b> .....	<b>9</b>	<b>158.7</b>	<b>35.15</b>	<b>.89</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>32</b>	<b>303.9</b>	<b>3.09</b>	<b>86</b>	<b>—</b>	<b>14</b>
Silver Lake (MN).....	9	158.7	35.15	.89	—	—	—	—	32	303.9	3.09	86	—	14
<b>Rochester Gas &amp; Electric Corp</b> .....	<b>24</b>	<b>135.6</b>	<b>35.54</b>	<b>2.25</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>—</b>
Russell Station 7 (NY).....	24	135.6	35.54	2.25	—	—	—	—	—	—	—	100	—	—
<b>Ruston City of</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>308</b>	<b>255.0</b>	<b>2.61</b>	<b>—</b>	<b>—</b>	<b>100</b>
Steam Plant (LA).....	—	—	—	—	—	—	—	—	308	255.0	2.61	—	—	100
<b>S Mississippi Elec Pwr Assn</b> .....	<b>107</b>	<b>207.7</b>	<b>51.45</b>	<b>.90</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,065</b>	<b>268.0</b>	<b>2.77</b>	<b>71</b>	<b>—</b>	<b>29</b>
Moselle (MS).....	—	—	—	—	—	—	—	—	1,065	268.0	2.77	—	—	100
R D Morrow (MS).....	107	207.7	51.45	.90	—	—	—	—	—	—	—	100	—	—
<b>Sacramento Municipal Utility</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2,711</b>	<b>246.6</b>	<b>2.47</b>	<b>—</b>	<b>—</b>	<b>100</b>
Central Valley (CA).....	—	—	—	—	—	—	—	—	502	246.8	2.47	—	—	100
SCA Cogen Proj (CA).....	—	—	—	—	—	—	—	—	909	246.2	2.46	—	—	100
SPA Cogen Proj (CA).....	—	—	—	—	—	—	—	—	1,300	246.9	2.47	—	—	100
<b>Salt River Proj Ag I &amp; P Dist</b> .....	<b>997</b>	<b>119.2</b>	<b>25.67</b>	<b>.52</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2,309</b>	<b>254.3</b>	<b>2.56</b>	<b>90</b>	<b>—</b>	<b>10</b>
Agua Fria (AZ).....	—	—	—	—	—	—	—	—	1,277	254.7	2.56	—	—	100
Coronado (AZ).....	205	160.7	31.89	.42	—	—	—	—	—	—	—	100	—	—
Kyrene (AZ).....	—	—	—	—	—	—	—	—	134	272.2	2.74	—	—	100
Navajo (AZ).....	792	109.5	24.05	.54	—	—	—	—	—	—	—	100	—	—
Santan (AZ).....	—	—	—	—	—	—	—	—	897	251.1	2.53	—	—	100
<b>San Antonio City of</b> .....	<b>644</b>	<b>97.6</b>	<b>16.51</b>	<b>.31</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>9,593</b>	<b>294.2</b>	<b>2.98</b>	<b>53</b>	<b>—</b>	<b>47</b>
Braunig (TX).....	—	—	—	—	—	—	—	—	3,772	294.2	2.98	—	—	100
JT Deely/Spruce (TX).....	644	97.6	16.51	.31	—	—	—	—	1	294.2	2.94	100	—	*
Leon Creek (TX).....	—	—	—	—	—	—	—	—	373	294.2	2.95	—	—	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, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sul-fur %	Receipts (1,000 bbls)	Average Cost <sup>5</sup>		Avg. Sul-fur %	Receipts (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>San Antonio City of</b>														
Mission Rd (TX).....	—	—	—	—	—	—	—	—	217	294.2	2.99	—	—	100
Sommers (TX).....	—	—	—	—	—	—	—	—	4,037	294.2	2.97	—	—	100
Tuttle (TX).....	—	—	—	—	—	—	—	—	1,194	294.2	2.96	—	—	100
<b>San Miguel Electric Coop Inc.....</b>	<b>271</b>	<b>76.0</b>	<b>7.99</b>	<b>1.74</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
San Miguel (TX).....	271	76.0	7.99	1.74	—	—	—	—	—	—	—	100	—	—
<b>Savannah Electric &amp; Power Co.....</b>	<b>92</b>	<b>144.7</b>	<b>35.50</b>	<b>.89</b>	*	<b>334.2</b>	<b>19.37</b>	<b>0.50</b>	<b>819</b>	<b>243.2</b>	<b>2.49</b>	<b>73</b>	*	<b>27</b>
Kraft (GA).....	38	139.0	35.80	.78	—	—	—	—	422	268.5	2.75	69	—	31
McIntosh (GA).....	54	149.0	35.30	.96	*	334.2	19.37	.50	—	—	—	100	*	—
Riverside (GA).....	—	—	—	—	—	—	—	—	397	216.3	2.21	—	—	100
<b>Seminole Electric Coop Inc.....</b>	<b>234</b>	<b>162.1</b>	<b>40.68</b>	<b>2.71</b>	<b>3</b>	<b>440.5</b>	<b>25.62</b>	<b>.20</b>	—	—	—	<b>100</b>	*	—
Seminole (FL).....	234	162.1	40.68	2.71	3	440.5	25.62	.20	—	—	—	100	*	—
<b>Sierra Pacific Power Co.....</b>	<b>124</b>	<b>146.9</b>	<b>34.28</b>	<b>.40</b>	—	—	—	—	<b>2,455</b>	<b>268.3</b>	<b>2.77</b>	<b>53</b>	—	<b>47</b>
Fort Churchill (NV).....	—	—	—	—	—	—	—	—	988	268.3	2.80	—	—	100
North Valmy (NV).....	124	146.9	34.28	.40	—	—	—	—	—	—	—	100	—	—
Pinon Pine (NV).....	—	—	—	—	—	—	—	—	518	268.3	2.76	—	—	100
Tracy (NV).....	—	—	—	—	—	—	—	—	949	268.3	2.76	—	—	100
<b>Sikeston City of.....</b>	<b>53</b>	<b>103.6</b>	<b>18.20</b>	<b>.41</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
Sikeston (MO).....	53	103.6	18.20	.41	—	—	—	—	—	—	—	100	—	—
<b>South Carolina Electric&amp;Gas Co.....</b>	<b>589</b>	<b>147.9</b>	<b>37.89</b>	<b>1.12</b>	<b>7</b>	<b>432.1</b>	<b>25.04</b>	<b>.20</b>	<b>113</b>	<b>374.4</b>	<b>3.85</b>	<b>99</b>	*	<b>1</b>
Canadys (SC).....	68	146.5	37.25	1.27	4	431.7	25.02	.20	40	368.4	3.79	97	1	2
Cope (SC).....	78	142.6	35.59	1.30	*	418.2	24.24	.20	—	—	—	100	*	—
Mcmeekin (SC).....	59	151.0	39.42	1.32	—	—	—	—	—	—	—	100	—	—
Urguhart (SC).....	80	154.7	40.06	1.22	*	453.3	26.27	.20	72	377.7	3.88	96	*	3
Waterree (SC).....	142	146.4	37.31	1.25	3	432.0	25.04	.20	—	—	—	100	*	—
Williams (SC).....	162	147.6	38.15	.75	—	—	—	—	—	—	—	100	—	—
<b>South Carolina Pub Serv Auth.....</b>	<b>429</b>	<b>136.2</b>	<b>35.32</b>	<b>1.25</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
Cross (SC).....	110	134.0	34.43	1.10	—	—	—	—	—	—	—	100	—	—
Grainger (SC).....	66	151.1	38.82	1.62	—	—	—	—	—	—	—	100	—	—
Jefferies (SC).....	72	133.5	35.06	1.45	—	—	—	—	—	—	—	100	—	—
Winyah (SC).....	182	133.2	34.69	1.14	—	—	—	—	—	—	—	100	—	—
<b>Southern California Edison Co.....</b>	<b>491</b>	<b>115.0</b>	<b>25.08</b>	<b>.48</b>	<b>10</b>	<b>327.2</b>	<b>19.91</b>	<b>.20</b>	<b>36</b>	<b>326.3</b>	<b>3.37</b>	<b>99</b>	<b>1</b>	<b>*</b>
Mohave (NV).....	491	115.0	25.08	.48	—	—	—	—	36	326.3	3.37	100	—	*
Storage Facility # 1.....	—	—	—	—	10	327.2	19.91	.20	—	—	—	—	100	—
<b>Southern Illinois Power Coop.....</b>	<b>76</b>	<b>83.7</b>	<b>16.77</b>	<b>2.71</b>	<b>1</b>	<b>493.8</b>	<b>28.14</b>	<b>.20</b>	—	—	—	<b>100</b>	*	—
Marion (IL).....	76	83.7	16.77	2.71	1	493.8	28.14	.20	—	—	—	100	*	—
<b>Southern Indiana Gas &amp; Elec Co.....</b>	<b>269</b>	<b>95.4</b>	<b>22.06</b>	<b>3.94</b>	—	—	—	—	<b>37</b>	<b>347.4</b>	<b>3.58</b>	<b>99</b>	—	<b>1</b>
A B Brown (IN).....	117	96.5	22.30	3.94	—	—	—	—	23	338.9	3.49	99	—	1
Culley (IN).....	127	94.5	22.06	4.19	—	—	—	—	3	368.2	3.79	100	—	*
Warrick (IN).....	25	94.9	20.98	2.67	—	—	—	—	12	359.3	3.70	98	—	2
<b>Southwestern Electric Power Co.....</b>	<b>1,157</b>	<b>139.7</b>	<b>22.02</b>	<b>.55</b>	—	—	—	—	<b>7,541</b>	<b>284.7</b>	<b>2.98</b>	<b>70</b>	—	<b>30</b>
Arsenal Hill (LA).....	—	—	—	—	—	—	—	—	492	285.2	3.00	—	—	100
Flint Creek (AR).....	191	159.8	27.33	.31	—	—	—	—	—	—	—	100	—	—
Knox Lee (TX).....	—	—	—	—	—	—	—	—	2,063	281.4	2.96	—	—	100
Lieberman (LA).....	—	—	—	—	—	—	—	—	958	295.8	3.01	—	—	100
Lone Star (TX).....	—	—	—	—	—	—	—	—	263	300.7	3.33	—	—	100
Pirkey (TX).....	381	102.5	13.51	1.09	—	—	—	—	6	313.1	3.13	100	—	*
Welsh Station (TX).....	585	151.8	25.82	.29	—	—	—	—	—	—	—	100	—	—
Wilkes (TX).....	—	—	—	—	—	—	—	—	3,758	282.5	2.95	—	—	100
<b>Southwestern Public Service Co.....</b>	<b>844</b>	<b>139.4</b>	<b>24.08</b>	<b>.33</b>	—	—	—	—	<b>10,358</b>	<b>280.5</b>	<b>2.86</b>	<b>58</b>	—	<b>42</b>
Cunningham (NM).....	—	—	—	—	—	—	—	—	2,215	277.8	2.81	—	—	100
Harrington (TX).....	434	105.3	18.13	.33	—	—	—	—	9	320.0	3.28	100	—	*
Jones (TX).....	—	—	—	—	—	—	—	—	3,006	280.8	2.81	—	—	100
Maddox (NM).....	—	—	—	—	—	—	—	—	853	280.9	2.83	—	—	100
Moore (TX).....	—	—	—	—	—	—	—	—	239	295.2	3.06	—	—	100
Nichols (TX).....	—	—	—	—	—	—	—	—	2,168	277.6	2.94	—	—	100
Plant X (TX).....	—	—	—	—	—	—	—	—	1,781	283.2	2.87	—	—	100
Riverview (TX).....	—	—	—	—	—	—	—	—	26	265.0	2.56	—	—	100
Tolk (TX).....	410	175.1	30.39	.33	—	—	—	—	60	320.0	3.31	99	—	1

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts	Average Cost <sup>5</sup>		Avg. Sul- fur %	Receipts	Average Cost <sup>5</sup>		Avg. Sul- fur %	Receipts	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 <sup>6</sup> Btu)			(\$ per short ton)	(1,000 bbls)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			
<b>Springfield City of</b> .....	<b>194</b>	<b>105.8</b>	<b>19.26</b>	<b>0.23</b>	—	—	—	—	<b>976</b>	<b>280.3</b>	<b>2.82</b>	<b>78</b>	—	<b>22</b>
James River (MO).....	91	111.3	20.69	.28	—	—	—	—	692	280.3	2.82	71	—	29
Southwest (MO).....	103	100.7	18.01	.19	—	—	—	—	284	280.3	2.82	87	—	13
<b>Springfield City of</b> .....	<b>109</b>	<b>110.8</b>	<b>23.23</b>	<b>3.05</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
Dallman (IL).....	87	111.0	23.25	3.03	—	—	—	—	—	—	—	100	—	—
Lakeside (IL).....	22	110.3	23.13	3.11	—	—	—	—	—	—	—	100	—	—
<b>St Joseph Light &amp; Power Co</b> .....	<b>51</b>	<b>92.9</b>	<b>17.61</b>	<b>.27</b>	—	—	—	—	<b>303</b>	<b>310.9</b>	<b>3.10</b>	<b>76</b>	—	<b>24</b>
Lakeroad (MO).....	51	92.9	17.61	.27	—	—	—	—	303	310.9	3.10	76	—	24
<b>Sunflower Electric Coop Inc</b> .....	<b>133</b>	<b>106.6</b>	<b>18.13</b>	<b>.31</b>	—	—	—	—	<b>432</b>	<b>295.0</b>	<b>2.92</b>	<b>84</b>	—	<b>16</b>
Garden City (KS).....	—	—	—	—	—	—	—	—	422	295.0	2.92	—	—	100
Holcomb (KS).....	133	106.6	18.13	.31	—	—	—	—	9	295.0	2.92	100	—	*
<b>Tallahassee City of</b> .....	—	—	—	—	—	—	—	—	<b>2,031</b>	<b>327.0</b>	<b>3.41</b>	—	—	<b>100</b>
Hopkins (FL).....	—	—	—	—	—	—	—	—	1,555	327.0	3.41	—	—	100
Purdum (FL).....	—	—	—	—	—	—	—	—	476	327.0	3.41	—	—	100
<b>Tampa Electric Co<sup>6</sup></b> .....	<b>444</b>	<b>153.6</b>	<b>35.18</b>	<b>1.53</b>	<b>131</b>	<b>371.8</b>	<b>22.86</b>	<b>0.66</b>	—	—	—	<b>93</b>	<b>7</b>	—
Big Bend (FL).....	—	—	—	—	4	424.3	24.59	.20	—	—	—	—	100	—
Davant Transfer (LA).....	377	133.6	30.05	1.58	—	—	—	—	—	—	—	100	—	—
Gannon (FL).....	67	253.8	64.00	1.25	6	429.4	24.89	.20	—	—	—	98	2	—
Hookers Point (FL).....	—	—	—	—	83	330.0	20.96	.93	—	—	—	—	100	—
Polk Station (FL).....	—	—	—	—	38	457.5	26.52	.20	—	—	—	—	100	—
<b>Taunton City of</b> .....	—	—	—	—	—	—	—	—	<b>98</b>	<b>310.1</b>	<b>3.16</b>	—	—	<b>100</b>
Cleary (MA).....	—	—	—	—	—	—	—	—	98	310.1	3.16	—	—	100
<b>Tennessee Valley Authority<sup>7</sup></b> .....	<b>4,033</b>	<b>111.2</b>	<b>25.66</b>	<b>2.08</b>	<b>20</b>	<b>453.1</b>	<b>26.62</b>	<b>.50</b>	—	—	—	<b>100</b>	<b>*</b>	—
Bull Run (TN).....	190	115.3	28.88	1.22	4	420.8	24.72	.50	—	—	—	99	1	—
Colbert (AL).....	108	106.4	26.16	1.80	—	—	—	—	—	—	—	100	—	—
Cora Transfer (TN).....	274	109.4	23.93	.43	—	—	—	—	—	—	—	100	—	—
Cumberland (TN).....	743	108.3	25.55	2.86	3	463.6	27.24	.50	—	—	—	100	*	—
GRT Terminal (TN).....	783	107.4	23.43	1.08	—	—	—	—	—	—	—	100	—	—
Johnsonville (TN).....	152	103.9	25.50	1.85	7	490.9	28.85	.50	—	—	—	99	1	—
Kingston (TN).....	336	126.0	31.28	1.47	2	435.3	25.58	.50	—	—	—	100	*	—
Paradise (KY).....	656	95.5	20.33	4.30	*	431.8	25.37	.50	—	—	—	100	*	—
Sevier (TN).....	180	131.2	33.21	1.64	—	—	—	—	—	—	—	100	—	—
Shawnee (KY).....	293	128.2	29.06	.78	2	423.5	24.89	.50	—	—	—	100	*	—
Widows Creek (AL).....	318	116.8	28.54	2.36	2	418.9	24.61	.50	—	—	—	100	*	—
<b>Terrabonne Parrish Con</b> .....	—	—	—	—	—	—	—	—	<b>427</b>	<b>279.2</b>	<b>2.93</b>	—	—	<b>100</b>
Houma (LA).....	—	—	—	—	—	—	—	—	427	279.2	2.93	—	—	100
<b>Texas Municipal Power Agency</b> .....	<b>156</b>	<b>120.2</b>	<b>20.30</b>	<b>.32</b>	—	—	—	—	<b>4</b>	<b>268.0</b>	<b>2.70</b>	<b>100</b>	—	<b>*</b>
Gibbons Creek (TX).....	156	120.2	20.30	.32	—	—	—	—	4	268.0	2.70	100	—	*
<b>Texas Utilities Electric Co<sup>8</sup></b> .....	<b>3,149</b>	<b>91.5</b>	<b>11.94</b>	<b>.82</b>	<b>11</b>	<b>498.8</b>	<b>28.91</b>	<b>.20</b>	<b>56,343</b>	<b>283.2</b>	<b>2.89</b>	<b>42</b>	<b>*</b>	<b>58</b>
Big Brown (TX).....	511	89.8	11.71	.80	—	—	—	—	87	283.2	2.91	99	—	1
Collin (TX).....	—	—	—	—	—	—	—	—	553	283.2	2.89	—	—	100
Decordova (TX).....	—	—	—	—	—	—	—	—	4,069	283.2	2.86	—	—	100
Eagle Mountain (TX).....	—	—	—	—	—	—	—	—	2,749	283.2	2.88	—	—	100
Graham (TX).....	—	—	—	—	—	—	—	—	2,914	283.2	2.86	—	—	100
Handley (TX).....	—	—	—	—	—	—	—	—	6,637	283.2	2.89	—	—	100
Lake Creek (TX).....	—	—	—	—	1	439.5	25.47	.20	1,552	283.2	2.92	—	*	100
Lake Hubbard (TX).....	—	—	—	—	—	—	—	—	3,754	283.2	2.91	—	—	100
Martin Lake (TX).....	1,270	71.6	9.38	1.03	5	576.3	33.40	.20	—	—	—	100	*	—
Monticello (TX).....	1,040	117.2	14.95	.47	4	431.7	25.02	.20	—	—	—	100	*	—
Morgan Creek (TX).....	—	—	—	—	—	—	—	—	4,391	283.2	2.88	—	—	100
Mountain Creek (TX).....	—	—	—	—	—	—	—	—	4,587	283.2	2.90	—	—	100
North Lake (TX).....	—	—	—	—	—	—	—	—	3,038	283.2	2.90	—	—	100
North Main (TX).....	—	—	—	—	—	—	—	—	451	283.2	2.90	—	—	100
Parkdale (TX).....	—	—	—	—	—	—	—	—	1,513	283.2	2.87	—	—	100
Permian Basin (TX).....	—	—	—	—	—	—	—	—	3,565	283.2	2.93	—	—	100
River Crest (TX).....	—	—	—	—	—	—	—	—	622	283.2	2.97	—	—	100
Sandow No 4 (TX).....	—	—	—	—	—	—	—	—	—	—	—	100	—	—
Stryker (TX).....	328	91.9	12.65	1.20	—	—	—	—	3,567	283.2	2.89	—	*	100
Tradinghouse (TX).....	—	—	—	—	1	439.5	25.47	.20	6,655	283.2	2.89	—	—	100
Trinidad (TX).....	—	—	—	—	—	—	—	—	1,026	283.2	2.88	—	—	100
Valley (TX).....	—	—	—	—	—	—	—	—	4,615	283.2	2.87	—	—	100

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost <sup>5</sup>		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost <sup>5</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>Texas-New Mexico Power Co.....</b>	<b>155</b>	<b>143.4</b>	<b>19.86</b>	<b>1.00</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
TNP One (Tx) .....	155	143.4	19.86	1.00	—	—	—	—	—	—	—	100	—	—
<b>Toledo Edison Co.....</b>	<b>188</b>	<b>111.8</b>	<b>19.41</b>	<b>.33</b>	<b>1</b>	<b>426.7</b>	<b>24.83</b>	<b>0.40</b>	—	—	—	<b>100</b>	<b>*</b>	—
Bay Shore (OH).....	188	111.8	19.41	.33	1	426.7	24.83	.40	—	—	—	100	*	—
<b>Tri State Gen &amp; Trans Assn, Inc.....</b>	<b>543</b>	<b>107.6</b>	<b>22.10</b>	<b>.41</b>	—	—	—	—	<b>9</b>	<b>274.1</b>	<b>3.03</b>	<b>100</b>	—	<b>*</b>
Craig (CO).....	508	108.2	22.18	.38	—	—	—	—	9	274.1	3.03	100	—	*
Nucla (CO).....	36	99.7	20.97	.78	—	—	—	—	—	—	—	100	—	—
<b>Tucson Electric Power Co.....</b>	<b>331</b>	<b>141.5</b>	<b>27.00</b>	<b>.81</b>	<b>1</b>	<b>545.0</b>	<b>32.17</b>	<b>.05</b>	<b>903</b>	<b>312.1</b>	<b>3.16</b>	<b>87</b>	<b>*</b>	<b>13</b>
Irvington (AZ).....	31	193.3	43.47	.48	—	—	—	—	903	312.1	3.16	43	—	57
Springerville (AZ).....	300	135.2	25.32	.84	1	545.0	32.17	.05	—	—	—	100	*	—
<b>Union Electric Co.....</b>	<b>1,554</b>	<b>97.7</b>	<b>17.71</b>	<b>.52</b>	<b>8</b>	<b>413.1</b>	<b>23.85</b>	<b>.29</b>	<b>354</b>	<b>304.2</b>	<b>3.12</b>	<b>99</b>	<b>*</b>	<b>1</b>
Labadie (MO).....	773	92.4	16.18	.24	2	421.7	24.26	.29	—	—	—	100	*	—
Meramec (MO).....	168	122.1	24.34	.63	—	—	—	—	—	—	—	100	—	—
Rush Island (MO).....	356	84.8	14.40	.31	—	—	—	—	—	—	—	100	—	—
Sioux (MO).....	257	110.5	22.59	1.61	—	—	—	—	—	—	—	100	—	—
Venice No.2 (IL).....	—	—	—	—	6	410.3	23.71	.29	354	304.2	3.12	—	9	91
<b>United Power Assn.....</b>	<b>87</b>	<b>68.0</b>	<b>9.19</b>	<b>.62</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
Stanton (ND).....	87	68.0	9.19	.62	—	—	—	—	—	—	—	100	—	—
<b>UtiliCorp United Inc.....</b>	<b>84</b>	<b>78.5</b>	<b>14.02</b>	<b>.25</b>	—	—	—	—	—	—	—	<b>100</b>	—	—
Sibley (MO).....	84	78.5	14.02	.25	—	—	—	—	—	—	—	100	—	—
<b>Vero Beach City of.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	—	—	—	—	<b>351</b>	<b>262.3</b>	<b>2.73</b>	—	—	<b>100</b>
Vero Beach (FL).....	—	—	—	—	—	—	—	—	351	262.3	2.73	—	—	100
<b>Vineland City of.....</b>	<b>3</b>	<b>193.0</b>	<b>49.57</b>	<b>.78</b>	<b>29</b>	<b>314.4</b>	<b>19.86</b>	<b>.66</b>	—	—	—	<b>27</b>	<b>73</b>	—
H M Down (NJ).....	3	193.0	49.57	.78	29	314.4	19.86	.66	—	—	—	27	73	—
<b>Virginia Electric &amp; Power Co.....</b>	<b>1,300</b>	<b>129.6</b>	<b>32.62</b>	<b>1.99</b>	<b>449</b>	<b>297.4</b>	<b>18.81</b>	<b>.80</b>	<b>1,821</b>	<b>329.3</b>	<b>3.42</b>	<b>87</b>	<b>8</b>	<b>5</b>
Bremo Bluff (VA).....	47	140.1	35.63	2.19	—	—	—	—	—	—	—	100	—	—
Chesapeake Energy (VA).....	150	142.6	36.61	1.79	20	436.7	25.68	.20	—	—	—	97	3	—
Chesterfield (VA).....	302	141.2	35.97	2.51	—	—	—	—	1,733	336.9	3.48	81	—	19
Clover (VA).....	188	120.8	30.76	1.00	3	370.4	21.78	.20	—	—	—	100	*	—
Mount Storm (WV).....	365	111.9	27.85	1.79	7	476.4	28.01	.20	—	—	—	100	*	—
North Branch (VA).....	33	91.8	19.19	3.82	—	—	—	—	—	—	—	100	—	—
Possum Point (VA).....	142	143.8	35.65	2.28	301	301.5	19.14	.67	—	—	—	65	35	—
Storage Facility # 1.....	—	—	—	—	118	253.3	16.14	1.30	—	—	—	—	100	—
Yorktown (VA).....	72	143.7	37.41	2.25	—	—	—	—	88	189.2	2.10	95	—	5
<b>West Penn Power Co.....</b>	<b>437</b>	<b>111.0</b>	<b>28.59</b>	<b>2.38</b>	<b>1</b>	<b>379.8</b>	<b>22.49</b>	<b>.30</b>	<b>3</b>	<b>406.5</b>	<b>4.06</b>	<b>100</b>	<b>*</b>	<b>*</b>
Armstrong (PA).....	67	105.1	25.94	1.78	*	434.1	25.71	.30	—	—	—	100	*	—
Hatfield (PA).....	316	115.2	30.19	2.34	*	314.4	18.62	.30	—	—	—	100	*	—
Mitchell (PA).....	54	92.0	22.48	3.37	*	201.1	11.91	.30	3	406.5	4.06	100	*	*
<b>West Texas Utilities Co.....</b>	<b>241</b>	<b>130.4</b>	<b>21.92</b>	<b>.38</b>	—	—	—	—	<b>4,602</b>	<b>279.4</b>	<b>2.84</b>	<b>46</b>	—	<b>54</b>
Fort Phantom (TX).....	—	—	—	—	—	—	—	—	1,639	276.4	2.82	—	—	100
Oak Creek (TX).....	—	—	—	—	—	—	—	—	262	298.6	3.05	—	—	100
Oklauion (TX).....	241	130.4	21.92	.38	—	—	—	—	—	—	—	100	—	—
Paint Creek (TX).....	—	—	—	—	—	—	—	—	1,086	289.6	3.02	—	—	100
Rio Pecos (TX).....	—	—	—	—	—	—	—	—	805	269.4	2.69	—	—	100
San Angelo (TX).....	—	—	—	—	—	—	—	—	809	275.1	2.73	—	—	100
<b>Western Farmers Elec Coop Inc.....</b>	<b>155</b>	<b>106.5</b>	<b>18.61</b>	<b>.28</b>	—	—	—	—	<b>2,960</b>	<b>275.4</b>	<b>2.81</b>	<b>47</b>	—	<b>53</b>
Anadarko (OK).....	—	—	—	—	—	—	—	—	1,418	275.4	2.80	—	—	100
Hugo (OK).....	155	106.5	18.61	.28	—	—	—	—	—	—	—	100	—	—
Mooreland (OK).....	—	—	—	—	—	—	—	—	1,542	275.4	2.82	—	—	100
<b>Western Massachusetts Elec Co.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	—	—	—	—	<b>303</b>	<b>261.8</b>	<b>2.68</b>	—	—	<b>100</b>
West Springfield (MA).....	—	—	—	—	—	—	—	—	303	261.8	2.68	—	—	100
<b>WestPlains Energy.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	—	—	—	—	<b>1,458</b>	<b>268.0</b>	<b>2.61</b>	—	—	<b>100</b>
Cimarron River (KS).....	—	—	—	—	—	—	—	—	356	271.0	2.59	—	—	100
Large (KS).....	—	—	—	—	—	—	—	—	673	266.5	2.56	—	—	100
Mullergren (KS).....	—	—	—	—	—	—	—	—	430	268.1	2.71	—	—	100

See notes and footnotes at end of table.

**Table 57. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, August 1999 (Continued)**

Utility (Holding Company) Plant (State)	Coal				Petroleum <sup>1</sup>				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost <sup>3</sup>		Avg. Sulfur %	Receipts (1,000 bbls)	Average Cost <sup>3</sup>		Avg. Sulfur %	Receipts (1,000 Mcf)	Average Cost <sup>3</sup>		Coal	Petroleum	Gas
		(Cents per 10 <sup>6</sup> Btu)	(\$ per short ton)			(Cents per 10 <sup>6</sup> Btu)	\$ per bbl			(Cents per 10 <sup>6</sup> Btu)	\$ per Mcf			
<b>Wisconsin Electric Power Co.....</b>	<b>1,075</b>	<b>102.1</b>	<b>19.71</b>	<b>0.49</b>	<b>1</b>	<b>334.3</b>	<b>19.65</b>	<b>0.33</b>	<b>62</b>	<b>323.3</b>	<b>3.29</b>	<b>100</b>	<b>*</b>	<b>*</b>
Oak Creek (WI).....	239	118.0	24.37	.64	—	—	—	—	53	322.1	3.28	99	—	1
Pleasant Prairie (WI).....	563	72.6	12.27	.33	—	—	—	—	6	315.5	3.21	100	—	*
Port Washington (WI).....	68	141.1	36.95	1.32	—	—	—	—	—	—	—	100	—	—
Presque Isle (MI).....	159	125.4	27.04	.45	1	334.3	19.65	.33	—	—	—	100	*	—
Valley (WI).....	46	151.8	35.83	.53	—	—	—	—	3	360.0	3.65	100	—	*
<b>Wisconsin Power &amp; Light Co.....</b>	<b>683</b>	<b>104.0</b>	<b>18.15</b>	<b>.36</b>	<b>5</b>	<b>416.4</b>	<b>24.48</b>	<b>.20</b>	<b>30</b>	<b>276.0</b>	<b>2.81</b>	<b>100</b>	<b>*</b>	<b>*</b>
Blackhawk (WI).....	—	—	—	—	—	—	—	—	30	276.0	2.81	—	—	100
Columbia (WI).....	348	92.8	15.70	.36	2	408.7	24.03	.20	—	—	—	100	*	—
Edgewater (WI).....	243	111.8	19.87	.36	2	424.6	24.97	.20	—	—	—	100	*	—
Nelson Dewey (WI).....	81	122.2	22.83	.35	—	—	—	—	—	—	—	100	—	—
Rock River (WI).....	12	123.2	23.05	.33	*	419.7	24.68	.20	—	—	—	100	*	—
<b>Wisconsin Public Service Corp.....</b>	<b>282</b>	<b>109.7</b>	<b>19.41</b>	<b>.26</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>32</b>	<b>318.1</b>	<b>3.22</b>	<b>99</b>	<b>—</b>	<b>1</b>
Pulliam (WI).....	139	103.7	18.57	.18	—	—	—	—	27	318.1	3.22	99	—	1
Weston (WI).....	143	115.8	20.23	.35	—	—	—	—	5	318.1	3.22	100	—	*
<b>Wyandotte Municipal Serv Comm.....</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>328.0</b>	<b>3.28</b>	<b>—</b>	<b>—</b>	<b>100</b>
Wyandotte (MI).....	—	—	—	—	—	—	—	—	5	328.0	3.28	—	—	100
<b>U.S. Total.....</b>	<b>81,345</b>	<b>120.6</b>	<b>24.57</b>	<b>1.03</b>	<b>13,203</b>	<b>303.7</b>	<b>19.29</b>	<b>1.04</b>	<b>379,860</b>	<b>282.1</b>	<b>2.88</b>	<b>78</b>	<b>4</b>	<b>18</b>

1 The August 1999 petroleum coke receipts were 297,600 short tons and the cost was 62.7 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.  
4 Most coal destined for the Barry plant is reported by the Alabama Power Company as it is received at the Gorgas Transshipping Facility.  
5 The cost reported under IMT Transfer (Louisiana) is the weighted average cost of coal delivered to this facility. Florida Power Corporation incurs additional costs for transporting coal from the transfer facility to the Crystal River power plant. These additional costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.  
6 The cost reported under Davant Transfer (Louisiana) is the weighted average cost of coal delivered to this facility located in Louisiana. The Tampa Electric Company incurs additional costs for transporting this coal from Davant to its power plants which are located in Florida. These costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.  
7 Coal reported as delivered to the Cahokia, Cora, and GRT transfer facilities is later transferred to individual electric plants located in Alabama, Kentucky, and Tennessee. The cost of transportation from the these facilities to the electric plants is not included in the costs shown in this report. Coal delivered to Cahokia is later transferred primarily to the Colbert and Widows Creek plants in Alabama. Approximately 90 percent of the coal delivered to the Cora facility is transferred to the Allen plant. Most of the remaining coal is transferred to the Paradise plant. All coal delivered to the Cora facility is shown in this report as being delivered to Tennessee. Approximately 60 percent of the coal delivered to the GRT facility is later delivered to the Gallatin plant. Widdows Creek, Johnsonville, Paradise, and Cumberland each receive approximately 8 percent. Colbert and Shawnee each receive approximately 4 percent. All coal delivered to GRT is shown in this report as being delivered to Tennessee.  
8 Data for Texas Utilities Electric Company include lignite delivered for the Aluminium Company of America (ALCOA) portion of Unit 4 of the Sandow Plant.  
\* Less than 0.05.  
Notes: •Data for 1999 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."

# U.S. Electric Nonutility Net Generation

**Table 58. U.S. Nonutility Net Generation, 1990 Through September 1999**  
(Million Kilowatthours)

Period	Coal	Petroleum <sup>1</sup>	Gas <sup>2</sup>	Nuclear	Hydro-electric	Geothermal	Other <sup>3</sup>	Total
<b>1990</b> .....	<b>30,699</b>	<b>7,192</b>	<b>113,583</b>	<b>113</b>	<b>6,172</b>	<b>6,666</b>	<b>46,012</b>	<b>210,436</b>
<b>1991</b> .....	<b>38,773</b>	<b>7,494</b>	<b>127,767</b>	<b>77</b>	<b>6,180</b>	<b>7,420</b>	<b>52,561</b>	<b>240,273</b>
<b>1992</b> .....	<b>45,189</b>	<b>10,508</b>	<b>154,429</b>	<b>65</b>	<b>9,352</b>	<b>8,318</b>	<b>58,287</b>	<b>286,148</b>
<b>1993</b> .....	<b>50,859</b>	<b>12,814</b>	<b>169,502</b>	<b>76</b>	<b>11,396</b>	<b>9,454</b>	<b>60,299</b>	<b>314,399</b>
<b>1994</b> .....	<b>56,197</b>	<b>14,464</b>	<b>186,924</b>	<b>52</b>	<b>13,095</b>	<b>9,816</b>	<b>62,539</b>	<b>343,087</b>
<b>1995</b> .....	<b>57,261</b>	<b>14,416</b>	<b>204,804</b>	—	<b>14,626</b>	<b>9,614</b>	<b>62,587</b>	<b>363,308</b>
<b>1996</b> .....	<b>58,257</b>	<b>14,337</b>	<b>207,417</b>	—	<b>16,390</b>	<b>9,892</b>	<b>63,260</b>	<b>369,552</b>
<b>1997</b> .....	<b>56,298</b>	<b>15,272</b>	<b>213,160</b>	—	<b>17,673</b>	<b>9,100</b>	<b>60,196</b>	<b>371,700</b>
<b>1998</b> .....	<b>66,466</b>	<b>16,775</b>	<b>239,992</b>	—	<b>14,486</b>	<b>9,550</b>	<b>58,433</b>	<b>405,702</b>
<b>1999</b>								
January.....	7,103	2,456	18,915	—	884	817	5,866	36,041
February.....	5,858	1,932	16,517	—	1,171	672	5,044	31,195
March.....	7,674	2,147	18,459	—	1,381	788	5,494	35,943
April.....	7,299	2,061	19,178	—	1,306	745	5,582	36,172
May.....	7,460	2,438	19,265	—	1,320	1,028	5,875	37,387
June.....	9,952	2,687	20,750	—	806	1,187	5,731	41,112
July.....	11,707	2,932	25,915	—	795	1,219	6,097	48,665
August.....	11,661	2,484	26,539	438	755	1,257	5,876	49,010
September.....	10,269	1,966	23,689	363	815	1,205	5,352	43,659
<b>Total</b> .....	<b>78,984</b>	<b>21,104</b>	<b>189,228</b>	<b>801</b>	<b>9,232</b>	<b>8,918</b>	<b>50,917</b>	<b>359,183</b>
<b>Year to Date</b>								
<b>1999</b> .....	<b>78,984</b>	<b>21,104</b>	<b>189,228</b>	<b>801</b>	<b>9,232</b>	<b>8,918</b>	<b>50,917</b>	<b>359,183</b>

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

<sup>2</sup> Includes supplemental gaseous fuel.

<sup>3</sup> Includes biomass, wind, photovoltaic, and solar thermal energy sources.

NA = Not available.

Notes: •Values for electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are preliminary from Form EIA-860B. •Values obtained from Form EIA-867 for 1997 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report - Nonutility," and predecessor forms.

**Table 59. U.S. Nonutility Net Generation by Nonrenewable Energy Source, 1990 Through September 1999**  
(Million Kilowatthours)

Period	All Nonrenewable Energy Sources	Coal <sup>1</sup>	Petroleum <sup>2</sup>	Gas	Nuclear	Hydroelectric (Pumped Storage)
1990.....	151,586	30,699	7,192	113,583	113	—
1991.....	174,111	38,773	7,494	127,767	77	—
1992.....	210,192	45,189	10,508	154,429	65	—
1993.....	233,251	50,859	12,814	169,502	76	—
1994.....	257,638	56,197	14,464	186,924	52	—
1995.....	276,481	57,261	14,416	204,804	—	—
1996.....	280,010	58,257	14,337	207,417	—	—
1997.....	284,730	56,298	15,272	213,160	—	—
1998.....	323,233	66,466	16,775	239,992	—	—
<b>1999</b>						
January.....	28,469	7,103	2,456	18,915	—	-6
February.....	24,306	5,858	1,932	16,517	—	-1
March.....	28,277	7,674	2,147	18,459	—	-3
April.....	28,536	7,299	2,061	19,178	—	-2
May.....	29,160	7,460	2,438	19,265	—	-4
June.....	33,376	9,952	2,687	20,750	—	-12
July.....	40,543	11,707	2,932	25,915	—	-11
August.....	41,107	11,661	2,484	26,539	438	-14
September.....	36,270	10,269	1,966	23,689	363	-17
<b>Total.....</b>	290,045	78,984	21,104	189,228	801	-71
<b>Year to Date</b>						
<b>1999.....</b>	<b>290,045</b>	<b>78,984</b>	<b>21,104</b>	<b>189,228</b>	<b>801</b>	<b>-71</b>

<sup>1</sup> Includes lignite, bituminous coal, subbituminous coal, and anthracite.

<sup>2</sup> Includes fuel oil Nos. 2, 4, 5, and 6, crude oil, kerosene, and petroleum coke.

Notes: •Values for electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are preliminary from Form EIA-860B. •Values obtained from Form EIA-867 for 1997 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report - Nonutility," and predecessor forms.

**Table 60. U.S. Nonutility Net Generation by Renewable Energy Source, 1990 Through September 1999**  
(Million Kilowatthours)

Period	All Renewable Energy Sources	Hydroelectric (Conventional)	Geothermal	Biomass	Wind	Photovoltaic	Solar Thermal
1990.....	56,203	6,172	6,666	40,494	2,228	636	8
1991.....	62,660	6,180	7,420	45,724	2,579	751	5
1992.....	72,545	9,352	8,318	51,264	2,887	720	3
1993.....	78,059	11,396	9,454	53,318	3,022	868	2
1994.....	82,055	13,095	9,816	54,898	3,447	799	*
1995.....	83,155	14,626	9,614	54,962	3,153	799	—
1996.....	85,864	16,390	9,892	55,341	3,366	876	—
1997.....	83,519	17,673	9,100	52,664	3,216	866	—
1998.....	78,862	14,486	9,550	50,988	2,985	843	10
1999							
January.....	7,572	889	817	5,688	176	—	2
February.....	6,888	1,172	672	4,866	173	—	5
March.....	7,666	1,384	788	5,251	235	—	9
April.....	7,635	1,308	745	5,246	319	—	17
May.....	8,227	1,325	1,028	5,315	527	—	33
June.....	7,736	818	1,187	5,157	518	—	56
July.....	8,122	806	1,219	5,557	485	—	55
August.....	7,903	770	1,257	5,419	402	—	55
September.....	7,389	832	1,205	5,056	252	—	44
<b>Total.....</b>	69,138	9,304	8,918	47,554	3,087	—	276
<b>Year to Date</b>							
<b>1999.....</b>	<b>69,138</b>	<b>9,304</b>	<b>8,918</b>	<b>47,554</b>	<b>3,087</b>	—	<b>276</b>

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

Notes: •Values for electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are preliminary from Form EIA-860B. •Values obtained from Form EIA-867 for 1997 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report - Nonutility," and predecessor forms.

**Table 61. Nonutility Net Generation by Census Division**  
(Million Kilowatthours)

Census Division	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
New England.....	4,736	5,395	—	45,786	—	—
Middle Atlantic.....	9,327	10,849	—	68,655	—	—
East North Central.....	1,861	1,935	—	14,550	—	—
West North Central.....	478	509	—	3,857	—	—
South Atlantic.....	4,547	6,051	—	45,189	—	—
East South Central.....	2,239	2,413	—	20,132	—	—
West South Central.....	8,305	9,097	—	73,726	—	—
Mountain.....	1,318	1,450	—	12,532	—	—
Pacific Contiguous.....	10,821	11,343	—	75,320	—	—
Pacific Noncontiguous.....	361	363	—	2,847	—	—
<b>U.S. Total.....</b>	<b>43,659</b>	<b>49,010</b>	—	<b>359,183</b>	—	—

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 electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."



**Table 62. Nonutility Net Generation from Coal by Census Division and State**  
(Million Kilowatthours)

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Coal Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England<sup>1</sup></b>	<b>1,085</b>	<b>1,178</b>	—	<b>10,022</b>	—	—	<b>21.9</b>	—
Connecticut	—	—	—	—	—	—	—	—
Maine	NM	NM	—	708	—	—	14.8	—
Massachusetts	827	855	—	7,408	—	—	28.2	—
New Hampshire	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—
<b>Middle Atlantic<sup>1</sup></b>	<b>3,773</b>	<b>4,399</b>	—	<b>23,514</b>	—	—	<b>34.2</b>	—
New Jersey	—	—	—	—	—	—	—	—
New York	1,782	2,137	—	7,575	—	—	22.3	—
Pennsylvania	1,774	2,016	—	14,237	—	—	74.8	—
<b>East North Central<sup>1</sup></b>	<b>1,232</b>	<b>1,237</b>	—	<b>8,849</b>	—	—	<b>60.8</b>	—
Illinois	573	555	—	3,871	—	—	100.0	—
Indiana	NM	NM	—	2,382	—	—	37.5	—
Michigan	107	118	—	1,211	—	—	10.3	—
Ohio	—	—	—	—	—	—	—	—
Wisconsin	NM	NM	—	731	—	—	28.0	—
<b>West North Central<sup>1</sup></b>	<b>316</b>	<b>361</b>	—	<b>3,077</b>	—	—	<b>79.8</b>	—
Iowa	62	72	—	563	—	—	100.0	—
Kansas	—	—	—	—	—	—	—	—
Minnesota	195	199	—	1,868	—	—	100.0	—
Missouri	NM	NM	—	209	—	—	94.4	—
Nebraska	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—
<b>South Atlantic<sup>1</sup></b>	<b>1,475</b>	<b>1,965</b>	—	<b>13,479</b>	—	—	<b>29.8</b>	—
Delaware	—	—	—	—	—	—	—	—
District of Columbia	—	—	—	—	—	—	—	—
Florida	507	504	—	3,497	—	—	20.1	—
Georgia	NM	NM	—	543	—	—	9.8	—
Maryland	—	—	—	—	—	—	—	—
North Carolina	310	486	—	3,397	—	—	29.7	—
South Carolina	NM	NM	—	1,118	—	—	65.1	—
Virginia	309	537	—	3,026	—	—	37.8	—
West Virginia	168	210	—	1,669	—	—	77.4	—
<b>East South Central<sup>1</sup></b>	<b>1,299</b>	<b>1,398</b>	—	<b>11,195</b>	—	—	<b>55.6</b>	—
Alabama	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—
Mississippi	—	—	—	—	—	—	—	—
Tennessee	132	135	—	1,232	—	—	52.8	—
<b>West South Central<sup>1</sup></b>	<b>498</b>	<b>545</b>	—	<b>4,370</b>	—	—	<b>5.9</b>	—
Arkansas	—	—	—	—	—	—	—	—
Louisiana	—	—	—	—	—	—	—	—
Oklahoma	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—
<b>Mountain<sup>1</sup></b>	<b>143</b>	<b>134</b>	—	<b>1,148</b>	—	—	<b>12.6</b>	—
Arizona	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—
New Mexico	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—
<b>Pacific Contiguous<sup>1</sup></b>	<b>279</b>	<b>283</b>	—	<b>2,126</b>	—	—	<b>2.8</b>	—
California	271	274	—	2,083	—	—	3.1	—
Oregon	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—
<b>Pacific Noncontiguous<sup>1</sup></b>	<b>170</b>	<b>161</b>	—	<b>1,203</b>	—	—	<b>42.3</b>	—
Alaska	—	—	—	—	—	—	—	—
Hawaii	137	129	—	1,019	—	—	38.4	—
<b>U.S. Total</b>	<b>10,269</b>	<b>11,661</b>	—	<b>78,984</b>	—	—	<b>22.0</b>	—

<sup>1</sup> For a given fuel type, estimated totals at the Census division level will not exactly equal the sum of the estimated totals for all corresponding States. This is because Census division level estimation is done by combining data regardless of State; thus avoiding the need to add State level estimates that may not all be available.

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 electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are not available. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

**Table 63. Nonutility Net Generation from Petroleum by Census Division and State**  
(Million Kilowatthours)

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Petroleum Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England<sup>1</sup></b> .....	<b>950</b>	<b>1,280</b>	—	<b>12,219</b>	—	—	<b>26.7</b>	—
Connecticut.....	239	291	—	1,713	—	—	36.1	—
Maine.....	NM	NM	—	1,191	—	—	24.9	—
Massachusetts.....	588	856	—	9,034	—	—	34.4	—
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	2	0	—	2	—	—	*	—
Vermont.....	—	—	—	—	—	—	—	—
<b>Middle Atlantic<sup>1</sup></b> .....	<b>NM</b>	<b>177</b>	—	<b>909</b>	—	—	<b>1.3</b>	—
New Jersey.....	NM	NM	—	168	—	—	1.4	—
New York.....	NM	NM	—	689	—	—	2.0	—
Pennsylvania.....	NM	NM	—	95	—	—	.5	—
<b>East North Central<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>496</b>	—	—	<b>3.4</b>	—
Illinois.....	—	—	—	0	—	—	.0	—
Indiana.....	*	*	—	3	—	—	.1	—
Michigan.....	4	2	—	104	—	—	.9	—
Ohio.....	—	—	—	—	—	—	—	—
Wisconsin.....	0	3	—	3	—	—	.1	—
<b>West North Central<sup>1</sup></b> .....	<b>*</b>	<b>*</b>	—	<b>*</b>	—	—	<b>*</b>	—
Iowa.....	—	—	—	—	—	—	—	—
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	—	—	—	—	—	—	—	—
Missouri.....	—	—	—	0	—	—	.0	—
Nebraska.....	*	*	—	*	—	—	*	—
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
<b>South Atlantic<sup>1</sup></b> .....	<b>409</b>	<b>515</b>	—	<b>3,962</b>	—	—	<b>8.8</b>	—
Delaware.....	10	9	—	102	—	—	35.6	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	220	307	—	1,855	—	—	10.7	—
Georgia.....	NM	NM	—	77	—	—	1.4	—
Maryland.....	—	—	—	—	—	—	—	—
North Carolina.....	NM	NM	—	473	—	—	4.1	—
South Carolina.....	—	—	—	—	—	—	—	—
Virginia.....	NM	NM	—	352	—	—	4.4	—
West Virginia.....	—	—	—	—	—	—	—	—
<b>East South Central<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>12</b>	—	—	<b>.1</b>	—
Alabama.....	—	—	—	—	—	—	—	—
Kentucky.....	NM	NM	—	7	—	—	100.0	—
Mississippi.....	—	—	—	—	—	—	—	—
Tennessee.....	—	—	—	—	—	—	—	—
<b>West South Central<sup>1</sup></b> .....	<b>273</b>	<b>287</b>	—	<b>2,281</b>	—	—	<b>3.1</b>	—
Arkansas.....	—	—	—	—	—	—	—	—
Louisiana.....	NM	NM	—	1,298	—	—	7.3	—
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	NM	NM	—	*	—	—	*	—
<b>Mountain<sup>1</sup></b> .....	<b>60</b>	<b>46</b>	—	<b>316</b>	—	—	<b>3.5</b>	—
Arizona.....	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—
<b>Pacific Contiguous<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>108</b>	—	—	<b>.1</b>	—
California.....	NM	NM	—	105	—	—	.2	—
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	0	*	—	2	—	—	*	—
<b>Pacific Noncontiguous<sup>1</sup></b> .....	<b>92</b>	<b>101</b>	—	<b>801</b>	—	—	<b>28.1</b>	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	90	99	—	790	—	—	29.8	—
<b>U.S. Total</b> .....	<b>1,966</b>	<b>2,484</b>	—	<b>21,104</b>	—	—	<b>5.9</b>	—

<sup>1</sup> For a given fuel type, estimated totals at the Census division level will not exactly equal the sum of the estimated totals for all corresponding States. This is because Census division level estimation is done by combining data regardless of State; thus avoiding the need to add State level estimates that may not all be available.

\* = 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 electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are not available. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Includes fuel oil Nos. 2, 4, 5, and 6, crude oil, kerosene, and petroleum coke. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

**Table 64. Nonutility Net Generation from Gas by Census Division and State**  
(Million Kilowatthours)

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Gas Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England<sup>1</sup></b> .....	<b>1,379</b>	<b>1,619</b>	—	<b>14,232</b>	—	—	<b>31.1</b>	—
Connecticut .....	134	NM	—	1,012	—	—	21.3	—
Maine .....	—	—	—	—	—	—	—	—
Massachusetts .....	764	961	—	7,747	—	—	29.5	—
New Hampshire .....	—	—	—	—	—	—	—	—
Rhode Island .....	457	479	—	4,981	—	—	100.0	—
Vermont .....	—	—	—	—	—	—	—	—
<b>Middle Atlantic<sup>1</sup></b> .....	<b>4,743</b>	<b>5,576</b>	—	<b>37,788</b>	—	—	<b>55.0</b>	—
New Jersey .....	1,270	1,431	—	11,651	—	—	96.3	—
New York .....	3,096	3,739	—	23,016	—	—	67.7	—
Pennsylvania .....	359	346	—	2,746	—	—	14.4	—
<b>East North Central<sup>1</sup></b> .....	<b>138</b>	<b>145</b>	—	<b>1,255</b>	—	—	<b>8.6</b>	—
Illinois .....	—	—	—	—	—	—	—	—
Indiana .....	421	522	—	3,967	—	—	62.5	—
Michigan .....	858	925	—	8,764	—	—	74.7	—
Ohio .....	—	—	—	—	—	—	—	—
Wisconsin .....	NM	NM	—	793	—	—	30.4	—
<b>West North Central<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>780</b>	—	—	<b>20.2</b>	—
Iowa .....	—	—	—	—	—	—	—	—
Kansas .....	—	—	—	—	—	—	—	—
Minnesota .....	—	—	—	—	—	—	—	—
Missouri .....	—	—	—	12	—	—	5.6	—
Nebraska .....	162	147	—	780	—	—	100.0	—
North Dakota .....	—	—	—	—	—	—	—	—
South Dakota .....	—	—	—	—	—	—	—	—
<b>South Atlantic<sup>1</sup></b> .....	<b>1,053</b>	<b>1,763</b>	—	<b>11,815</b>	—	—	<b>26.1</b>	—
Delaware .....	NM	NM	—	184	—	—	64.4	—
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	561	713	—	5,988	—	—	34.4	—
Georgia .....	NM	220	—	1,244	—	—	22.5	—
Maryland .....	98	117	—	937	—	—	53.7	—
North Carolina .....	—	—	—	—	—	—	—	—
South Carolina .....	—	—	—	—	—	—	—	—
Virginia .....	192	484	—	2,444	—	—	30.5	—
West Virginia .....	14	16	—	130	—	—	6.0	—
<b>East South Central<sup>1</sup></b> .....	<b>209</b>	<b>233</b>	—	<b>1,911</b>	—	—	<b>9.5</b>	—
Alabama .....	144	163	—	1,305	—	—	23.6	—
Kentucky .....	—	—	—	—	—	—	—	—
Mississippi .....	—	—	—	—	—	—	—	—
Tennessee .....	—	—	—	—	—	—	—	—
<b>West South Central<sup>1</sup></b> .....	<b>6,878</b>	<b>7,543</b>	—	<b>60,248</b>	—	—	<b>81.7</b>	—
Arkansas .....	—	—	—	—	—	—	—	—
Louisiana .....	1,544	1,668	—	14,112	—	—	79.2	—
Oklahoma .....	NM	NM	—	996	—	—	75.7	—
Texas .....	5,149	5,672	—	44,508	—	—	97.3	—
<b>Mountain<sup>1</sup></b> .....	<b>594</b>	<b>673</b>	—	<b>5,711</b>	—	—	<b>62.6</b>	—
Arizona .....	NM	NM	—	316	—	—	100.0	—
Colorado .....	199	242	—	2,213	—	—	100.0	—
Idaho .....	—	—	—	—	—	—	—	—
Montana .....	NM	NM	—	1	—	—	100.0	—
Nevada .....	205	221	—	1,817	—	—	63.8	—
New Mexico .....	81	92	—	695	—	—	100.0	—
Utah .....	NM	NM	—	187	—	—	100.0	—
Wyoming .....	NM	NM	—	228	—	—	100.0	—
<b>Pacific Contiguous<sup>1</sup></b> .....	<b>8,503</b>	<b>8,809</b>	—	<b>55,266</b>	—	—	<b>73.4</b>	—
California .....	7,763	8,072	—	50,279	—	—	73.7	—
Oregon .....	358	374	—	3,068	—	—	97.6	—
Washington .....	354	348	—	2,183	—	—	36.6	—
<b>Pacific Noncontiguous<sup>1</sup></b> .....	<b>28</b>	<b>31</b>	—	<b>224</b>	—	—	<b>7.9</b>	—
Alaska .....	—	—	—	—	—	—	—	—
Hawaii .....	28	31	—	224	—	—	8.5	—
<b>U.S. Total</b> .....	<b>23,689</b>	<b>26,539</b>	—	<b>189,228</b>	—	—	<b>52.7</b>	—

<sup>1</sup> For a given fuel type, estimated totals at the Census division level will not exactly equal the sum of the estimated totals for all corresponding States. This is because Census division level estimation is done by combining data regardless of State; thus avoiding the need to add State level estimates that may not all be available.

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 electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are not available. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

**Table 65. Nonutility Hydroelectric Net Generation by Census Division and State**  
(Million Kilowatthours)

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Hydroelectric Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England<sup>1</sup></b>	<b>326</b>	<b>262</b>	—	<b>2,783</b>	—	—	<b>6.1</b>	—
Connecticut	—	—	—	—	—	—	—	—
Maine	173	175	—	1,487	—	—	31.1	—
Massachusetts	-17	-14	—	-71	—	—	-.3	—
New Hampshire	179	47	—	2,034	—	—	100.0	—
Rhode Island	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—
<b>Middle Atlantic<sup>1</sup></b>	<b>96</b>	<b>69</b>	—	<b>1,135</b>	—	—	<b>1.7</b>	—
New Jersey	—	—	—	—	—	—	—	—
New York	77	56	—	916	—	—	2.7	—
Pennsylvania	—	—	—	—	—	—	—	—
<b>East North Central<sup>1</sup></b>	—	—	—	—	—	—	—	—
Illinois	—	—	—	—	—	—	—	—
Indiana	—	—	—	—	—	—	—	—
Michigan	—	—	—	—	—	—	—	—
Ohio	—	—	—	—	—	—	—	—
Wisconsin	—	—	—	—	—	—	—	—
<b>West North Central<sup>1</sup></b>	—	—	—	—	—	—	—	—
Iowa	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	—	—
Minnesota	—	—	—	—	—	—	—	—
Missouri	—	—	—	—	—	—	—	—
Nebraska	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—
<b>South Atlantic<sup>1</sup></b>	<b>NM</b>	<b>NM</b>	—	<b>1,800</b>	—	—	<b>4.0</b>	—
Delaware	—	—	—	—	—	—	—	—
District of Columbia	—	—	—	—	—	—	—	—
Florida	41	28	—	218	—	—	1.2	—
Georgia	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
North Carolina	—	—	—	6,663	—	—	58.2	—
South Carolina	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—
West Virginia	NM	NM	—	356	—	—	16.5	—
<b>East South Central<sup>1</sup></b>	<b>60</b>	<b>73</b>	—	<b>517</b>	—	—	<b>2.6</b>	—
Alabama	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—
Mississippi	—	—	—	—	—	—	—	—
Tennessee	60	73	—	517	—	—	22.1	—
<b>West South Central<sup>1</sup></b>	<b>NM</b>	<b>NM</b>	—	<b>499</b>	—	—	<b>.7</b>	—
Arkansas	—	—	—	—	—	—	—	—
Louisiana	NM	NM	—	585	—	—	3.3	—
Oklahoma	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—
<b>Mountain<sup>1</sup></b>	<b>NM</b>	<b>NM</b>	—	<b>413</b>	—	—	<b>4.5</b>	—
Arizona	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—
Idaho	NM	NM	—	413	—	—	46.8	—
Montana	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—
New Mexico	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—
<b>Pacific Contiguous<sup>1</sup></b>	<b>108</b>	<b>98</b>	—	<b>2,021</b>	—	—	<b>2.7</b>	—
California	78	71	—	149	—	—	.2	—
Oregon	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—
<b>Pacific Noncontiguous<sup>1</sup></b>	<b>NM</b>	<b>NM</b>	—	<b>66</b>	—	—	<b>2.3</b>	—
Alaska	—	—	—	—	—	—	—	—
Hawaii	NM	NM	—	66	—	—	2.5	—
<b>U.S. Total</b>	<b>815</b>	<b>755</b>	—	<b>9,232</b>	—	—	<b>2.6</b>	—

<sup>1</sup> For a given fuel type, estimated totals at the Census division level will not exactly equal the sum of the estimated totals for all corresponding States. This is because Census division level estimation is done by combining data regardless of State; thus avoiding the need to add State level estimates that may not all be available.

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 electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are not available. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

**Table 66. Nonutility Net Generation from Other Energy Sources by Census Division and State**  
(Million Kilowatthours)

Census Division and State	September 1999	August 1999	September 1998	Year to Date				
				Other Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
<b>New England<sup>1</sup></b>	<b>632</b>	<b>619</b>	—	<b>5,729</b>	—	—	<b>12.5</b>	—
Connecticut	226	215	—	2,019	—	—	42.6	—
Maine	NM	NM	—	1,396	—	—	29.2	—
Massachusetts	141	137	—	1,369	—	—	5.2	—
New Hampshire	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—
<b>Middle Atlantic<sup>1</sup></b>	<b>587</b>	<b>628</b>	—	<b>5,310</b>	—	—	<b>7.7</b>	—
New Jersey	NM	NM	—	279	—	—	2.3	—
New York	NM	NM	—	1,792	—	—	5.3	—
Pennsylvania	214	228	—	1,945	—	—	10.2	—
<b>East North Central<sup>1</sup></b>	<b>447</b>	<b>490</b>	—	<b>3,950</b>	—	—	<b>27.1</b>	—
Illinois	—	—	—	—	—	—	—	—
Indiana	—	—	—	—	—	—	—	—
Michigan	197	221	—	1,656	—	—	14.1	—
Ohio	—	—	—	—	—	—	—	—
Wisconsin	115	122	—	1,084	—	—	41.5	—
<b>West North Central<sup>1</sup></b>	—	—	—	—	—	—	—	—
Iowa	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	—	—
Minnesota	—	—	—	—	—	—	—	—
Missouri	—	—	—	—	—	—	—	—
Nebraska	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—
<b>South Atlantic<sup>1</sup></b>	<b>1,449</b>	<b>1,646</b>	—	<b>14,134</b>	—	—	<b>31.3</b>	—
Delaware	—	—	—	—	—	—	—	—
District of Columbia	—	—	—	—	—	—	—	—
Florida	593	710	—	5,859	—	—	33.6	—
Georgia	384	422	—	3,654	—	—	66.2	—
Maryland	NM	NM	—	808	—	—	46.3	—
North Carolina	83	85	—	907	—	—	7.9	—
South Carolina	NM	NM	—	598	—	—	34.9	—
Virginia	230	263	—	2,193	—	—	27.4	—
West Virginia	—	—	—	—	—	—	—	—
<b>East South Central<sup>1</sup></b>	<b>671</b>	<b>706</b>	—	<b>6,498</b>	—	—	<b>32.3</b>	—
Alabama	425	459	—	4,232	—	—	76.4	—
Kentucky	—	—	—	—	—	—	—	—
Mississippi	165	176	—	1,502	—	—	100.0	—
Tennessee	NM	NM	—	586	—	—	25.1	—
<b>West South Central<sup>1</sup></b>	<b>636</b>	<b>694</b>	—	<b>6,328</b>	—	—	<b>8.6</b>	—
Arkansas	187	219	—	1,965	—	—	100.0	—
Louisiana	—	—	—	1,819	—	—	10.2	—
Oklahoma	NM	NM	—	319	—	—	24.3	—
Texas	NM	NM	—	1,250	—	—	2.7	—
<b>Mountain<sup>1</sup></b>	<b>NM</b>	<b>NM</b>	—	<b>1,532</b>	—	—	<b>16.8</b>	—
Arizona	—	—	—	—	—	—	—	—
Colorado	—	—	—	—	—	—	—	—
Idaho	NM	NM	—	470	—	—	53.2	—
Montana	—	—	—	—	—	—	—	—
Nevada	NM	NM	—	1,032	—	—	36.2	—
New Mexico	—	—	—	—	—	—	—	—
Utah	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—
<b>Pacific Contiguous<sup>1</sup></b>	<b>1,923</b>	<b>2,142</b>	—	<b>15,800</b>	—	—	<b>21.0</b>	—
California	1,928	2,208	—	15,581	—	—	22.8	—
Oregon	NM	NM	—	76	—	—	2.4	—
Washington	451	435	—	3,775	—	—	63.3	—
<b>Pacific Noncontiguous<sup>1</sup></b>	<b>NM</b>	<b>NM</b>	—	<b>553</b>	—	—	<b>19.4</b>	—
Alaska	—	—	—	—	—	—	—	—
Hawaii	NM	NM	—	553	—	—	20.9	—
<b>U.S. Total</b>	<b>6,558</b>	<b>7,133</b>	—	<b>59,835</b>	—	—	<b>16.7</b>	—

<sup>1</sup> For a given fuel type, estimated totals at the Census division level will not exactly equal the sum of the estimated totals for all corresponding States. This is because Census division level estimation is done by combining data regardless of State; thus avoiding the need to add State level estimates that may not all be available.

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 electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are not available. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Other energy sources include geothermal, wood, wind, waste, and solar. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

# U.S. Electric Nonutility Consumption of Fossil Fuels

**Table 67. U.S. Nonutility Consumption of Fossil Fuels, 1990 Through September 1999**

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)	Gas (thousand Mcf)
	Anthracite <sup>1</sup>	Bituminous <sup>2</sup>	Lignite	Total	Light	Heavy	Total		
1990.....	1,652	27,979	2,680	32,311	25,854	2,024	27,878	1108	1,388,020
1991.....	3,159	32,601	2,359	38,119	25,352	2,530	27,882	1629	2,934,556
1992.....	4,612	37,522	2,473	44,607	28,394	3,482	31,876	2750	3,432,489
1993.....	3,576	32,414	12,353	48,343	33,350	3,610	36,960	3182	3,695,704
1994.....	5,017	34,199	13,045	52,261	37,903	3,986	41,889	4740	3,740,297
1995.....	4,901	33,974	11,454	50,329	32,642	2,389	35,031	4188	3,915,937
1996.....	4,307	44,871	4,021	53,199	33,595	4,849	38,444	4484	4,184,990
1997.....	4,165	44,183	4,565	52,913	33,622	1,972	35,594	4364	3,186,339
1998.....	4,825	48,576	3,448	56,849	51,310	2,965	54,275	4470	3,547,447
<b>1999</b>									
January.....	418	4,611	—	5,030	471	4,117	4,588	185	228,846
February.....	364	3,846	—	4,210	222	3,696	3,918	141	202,999
March.....	407	4,716	—	5,123	318	3,901	4,219	137	224,456
April.....	345	4,328	—	4,673	228	3,927	4,156	161	227,214
May.....	414	4,526	—	4,941	215	4,631	4,846	156	226,916
June.....	405	5,699	—	6,104	237	4,825	5,062	149	241,238
July.....	421	6,357	—	6,778	314	4,971	5,285	171	293,530
August.....	426	6,284	—	6,710	323	4,317	4,639	139	296,585
September.....	358	5,628	—	5,986	368	3,457	3,826	159	272,283
<b>Total.....</b>	<b>3,559</b>	<b>45,996</b>	<b>—</b>	<b>49,555</b>	<b>2,697</b>	<b>37,842</b>	<b>40,539</b>	<b>1,398</b>	<b>2,214,067</b>
<b>Year to Date</b>									
<b>1999.....</b>	<b>3,559</b>	<b>45,996</b>	<b>—</b>	<b>49,555</b>	<b>2,697</b>	<b>37,842</b>	<b>40,539</b>	<b>1,398</b>	<b>2,214,067</b>

<sup>1</sup> Includes anthracite silt stored off-site.

<sup>2</sup> Includes subbituminous coal.

Notes: •Values for electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are preliminary from Form EIA-860B. •Values obtained from Form EIA-867 for 1997 and prior years are final. •Totals may not equal sum of components because of independent rounding. •Mcf=thousand cubic feet. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report - Nonutility," and predecessor forms.

**Table 68. Nonutility Consumption of Coal by Census Division and State**  
(Thousand Short Tons)

Census Division and State	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
<b>New England<sup>1</sup></b> .....	<b>403</b>	<b>432</b>	—	<b>3,656</b>	—	—
Connecticut .....	—	—	—	—	—	—
Maine .....	NM	22	—	146	—	—
Massachusetts .....	334	346	—	2,966	—	—
New Hampshire .....	—	—	—	—	—	—
Rhode Island .....	—	—	—	—	—	—
Vermont .....	—	—	—	—	—	—
<b>Middle Atlantic<sup>1</sup></b> .....	<b>1,978</b>	<b>2,287</b>	—	<b>14,044</b>	—	—
New Jersey .....	—	—	—	—	—	—
New York .....	703	868	—	3,059	—	—
Pennsylvania .....	1,181	1,335	—	10,053	—	—
<b>East North Central<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>7,224</b>	—	—
Illinois .....	487	467	—	3,401	—	—
Indiana .....	NM	NM	—	3,281	—	—
Michigan .....	102	115	—	1,003	—	—
Ohio .....	—	—	—	—	—	—
Wisconsin .....	NM	NM	—	564	—	—
<b>West North Central<sup>1</sup></b> .....	<b>312</b>	<b>383</b>	—	<b>3,259</b>	—	—
Iowa .....	NM	NM	—	1,293	—	—
Kansas .....	—	—	—	—	—	—
Minnesota .....	102	68	—	913	—	—
Missouri .....	NM	NM	—	146	—	—
Nebraska .....	—	—	—	—	—	—
North Dakota .....	—	—	—	—	—	—
South Dakota .....	—	—	—	—	—	—
<b>South Atlantic<sup>1</sup></b> .....	<b>890</b>	<b>1,145</b>	—	<b>8,428</b>	—	—
Delaware .....	—	—	—	—	—	—
District of Columbia .....	—	—	—	—	—	—
Florida .....	232	243	—	1,490	—	—
Georgia .....	NM	NM	—	440	—	—
Maryland .....	—	—	—	—	—	—
North Carolina .....	178	253	—	1,707	—	—
South Carolina .....	NM	NM	—	523	—	—
Virginia .....	192	273	—	1,860	—	—
West Virginia .....	108	145	—	1,217	—	—
<b>East South Central<sup>1</sup></b> .....	<b>584</b>	<b>676</b>	—	<b>5,746</b>	—	—
Alabama .....	—	—	—	—	—	—
Kentucky .....	—	—	—	—	—	—
Mississippi .....	—	—	—	—	—	—
Tennessee .....	152	151	—	1,359	—	—
<b>West South Central<sup>1</sup></b> .....	<b>366</b>	<b>388</b>	—	<b>3,093</b>	—	—
Arkansas .....	—	—	—	—	—	—
Louisiana .....	—	—	—	—	—	—
Oklahoma .....	—	—	—	—	—	—
Texas .....	—	—	—	—	—	—
<b>Mountain<sup>1</sup></b> .....	<b>209</b>	<b>185</b>	—	<b>1,649</b>	—	—
Arizona .....	—	—	—	—	—	—
Colorado .....	—	—	—	—	—	—
Idaho .....	—	—	—	—	—	—
Montana .....	—	—	—	—	—	—
Nevada .....	—	—	—	—	—	—
New Mexico .....	—	—	—	—	—	—
Utah .....	—	—	—	—	—	—
Wyoming .....	—	—	—	—	—	—
<b>Pacific Contiguous<sup>1</sup></b> .....	<b>179</b>	<b>178</b>	—	<b>1,753</b>	—	—
California .....	168	168	—	1,669	—	—
Oregon .....	—	—	—	—	—	—
Washington .....	—	—	—	—	—	—
<b>Pacific Noncontiguous<sup>1</sup></b> .....	<b>88</b>	<b>84</b>	—	<b>702</b>	—	—
Alaska .....	—	—	—	—	—	—
Hawaii .....	61	59	—	493	—	—
<b>U.S. Total</b> .....	<b>5,986</b>	<b>6,710</b>	—	<b>49,555</b>	—	—

<sup>1</sup> For a given fuel type, estimated totals at the Census division level will not exactly equal the sum of the estimated totals for all corresponding States. This is because Census division level estimation is done by combining data regardless of State; thus avoiding the need to add State level estimates that may not all be available.

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 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

**Table 69. Nonutility Consumption of Petroleum by Census Division and State**  
(Thousand Barrels)

Census Division and State	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
<b>New England<sup>1</sup></b> .....	<b>1,767</b>	<b>2,307</b>	—	<b>22,607</b>	—	—
Connecticut.....	386	462	—	2,873	—	—
Maine.....	NM	NM	—	2,762	—	—
Massachusetts.....	1,071	1,531	—	16,088	—	—
New Hampshire.....	—	—	—	—	—	—
Rhode Island.....	6	0	—	6	—	—
Vermont.....	—	—	—	—	—	—
<b>Middle Atlantic<sup>1</sup></b> .....	<b>NM</b>	<b>381</b>	—	<b>1,819</b>	—	—
New Jersey.....	NM	NM	—	254	—	—
New York.....	283	299	—	1,212	—	—
Pennsylvania.....	NM	NM	—	338	—	—
<b>East North Central<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>51</b>	—	—
Illinois.....	—	—	—	*	—	—
Indiana.....	1	*	—	8	—	—
Michigan.....	11	6	—	217	—	—
Ohio.....	—	—	—	—	—	—
Wisconsin.....	0	4	—	4	—	—
<b>West North Central<sup>1</sup></b> .....	<b>*</b>	<b>*</b>	—	<b>1</b>	—	—
Iowa.....	—	—	—	—	—	—
Kansas.....	—	—	—	—	—	—
Minnesota.....	—	—	—	—	—	—
Missouri.....	—	—	—	0	—	—
Nebraska.....	*	*	—	1	—	—
North Dakota.....	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—
<b>South Atlantic<sup>1</sup></b> .....	<b>1,437</b>	<b>1,610</b>	—	<b>13,722</b>	—	—
Delaware.....	NM	NM	—	379	—	—
District of Columbia.....	—	—	—	—	—	—
Florida.....	355	550	—	3,093	—	—
Georgia.....	NM	NM	—	73	—	—
Maryland.....	—	—	—	—	—	—
North Carolina.....	NM	NM	—	1,809	—	—
South Carolina.....	—	—	—	—	—	—
Virginia.....	NM	NM	—	810	—	—
West Virginia.....	—	—	—	—	—	—
<b>East South Central<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>46</b>	—	—
Alabama.....	—	—	—	—	—	—
Kentucky.....	NM	NM	—	21	—	—
Mississippi.....	—	—	—	—	—	—
Tennessee.....	—	—	—	—	—	—
<b>West South Central<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>*</b>	—	—
Arkansas.....	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—
Texas.....	NM	NM	—	*	—	—
<b>Mountain<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>623</b>	—	—
Arizona.....	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—
<b>Pacific Contiguous<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>74</b>	—	—
California.....	NM	NM	—	84	—	—
Oregon.....	—	—	—	—	—	—
Washington.....	NM	NM	—	13	—	—
<b>Pacific Noncontiguous<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>1,595</b>	—	—
Alaska.....	—	—	—	—	—	—
Hawaii.....	175	193	—	1,535	—	—
<b>U.S. Total</b> .....	<b>3,826</b>	<b>4,639</b>	—	<b>40,539</b>	—	—

<sup>1</sup> For a given fuel type, estimated totals at the Census division level will not exactly equal the sum of the estimated totals for all corresponding States. This is because Census division level estimation is done by combining data regardless of State; thus avoiding the need to add State level estimates that may not all be available.

\* = 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 electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-900. •Values for 1998 are not available. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."



**Table 70. Nonutility Consumption of Gas by Census Division and State**  
(Million Cubic Feet)

Census Division and State	September 1999	August 1999	September 1998	Year to Date		
				1999	1998	Difference (percent)
<b>New England<sup>1</sup></b> .....	<b>12,495</b>	<b>15,004</b>	—	<b>127,431</b>	—	—
Connecticut .....	1,676	NM	—	13,215	—	—
Maine .....	—	—	—	—	—	—
Massachusetts .....	7,006	9,177	—	71,672	—	—
New Hampshire .....	—	—	—	—	—	—
Rhode Island .....	3,804	3,972	—	40,557	—	—
Vermont .....	—	—	—	—	—	—
<b>Middle Atlantic<sup>1</sup></b> .....	<b>48,767</b>	<b>55,136</b>	—	<b>380,263</b>	—	—
New Jersey .....	13,286	14,362	—	118,975	—	—
New York .....	29,487	34,777	—	211,039	—	—
Pennsylvania .....	6,405	5,918	—	50,692	—	—
<b>East North Central<sup>1</sup></b> .....	<b>8,381</b>	<b>8,965</b>	—	<b>80,562</b>	—	—
Illinois .....	—	—	—	—	—	—
Indiana .....	NM	NM	—	497,162	—	—
Michigan .....	9,954	11,044	—	102,162	—	—
Ohio .....	—	—	—	—	—	—
Wisconsin .....	NM	NM	—	10,132	—	—
<b>West North Central<sup>1</sup></b> .....	<b>1,324</b>	<b>1,193</b>	—	<b>6,520</b>	—	—
Iowa .....	—	—	—	—	—	—
Kansas .....	—	—	—	—	—	—
Minnesota .....	—	—	—	—	—	—
Missouri .....	—	—	—	286	—	—
Nebraska .....	1,324	1,193	—	6,520	—	—
North Dakota .....	—	—	—	—	—	—
South Dakota .....	—	—	—	—	—	—
<b>South Atlantic<sup>1</sup></b> .....	<b>16,311</b>	<b>22,795</b>	—	<b>164,778</b>	—	—
Delaware .....	NM	NM	—	3,427	—	—
District of Columbia .....	—	—	—	—	—	—
Florida .....	5,472	6,706	—	58,173	—	—
Georgia .....	NM	NM	—	18,636	—	—
Maryland .....	1,684	1,666	—	13,903	—	—
North Carolina .....	—	—	—	—	—	—
South Carolina .....	—	—	—	—	—	—
Virginia .....	1,861	4,901	—	26,392	—	—
West Virginia .....	5,342	5,324	—	48,031	—	—
<b>East South Central<sup>1</sup></b> .....	<b>NM</b>	<b>NM</b>	—	<b>17,525</b>	—	—
Alabama .....	NM	NM	—	14,388	—	—
Kentucky .....	—	—	—	—	—	—
Mississippi .....	—	—	—	—	—	—
Tennessee .....	—	—	—	—	—	—
<b>West South Central<sup>1</sup></b> .....	<b>90,184</b>	<b>96,187</b>	—	<b>802,420</b>	—	—
Arkansas .....	—	—	—	—	—	—
Louisiana .....	22,377	23,469	—	200,308	—	—
Oklahoma .....	NM	NM	—	12,595	—	—
Texas .....	63,354	67,387	—	556,559	—	—
<b>Mountain<sup>1</sup></b> .....	<b>7,381</b>	<b>7,756</b>	—	<b>66,261</b>	—	—
Arizona .....	NM	NM	—	4,256	—	—
Colorado .....	2,276	2,395	—	21,862	—	—
Idaho .....	—	—	—	—	—	—
Montana .....	NM	NM	—	92	—	—
Nevada .....	1,855	1,837	—	15,805	—	—
New Mexico .....	1,063	1,209	—	9,001	—	—
Utah .....	NM	NM	—	2,985	—	—
Wyoming .....	NM	NM	—	5,002	—	—
<b>Pacific Contiguous<sup>1</sup></b> .....	<b>85,418</b>	<b>87,342</b>	—	<b>568,305</b>	—	—
California .....	78,286	80,222	—	517,658	—	—
Oregon .....	2,879	3,136	—	24,189	—	—
Washington .....	3,607	3,542	—	23,126	—	—
<b>Pacific Noncontiguous<sup>1</sup></b> .....	<b>0</b>	<b>0</b>	—	<b>0</b>	—	—
Alaska .....	—	—	—	—	—	—
Hawaii .....	0	0	—	0	—	—
<b>U.S. Total</b> .....	<b>272,283</b>	<b>296,585</b>	—	<b>2,214,067</b>	—	—

<sup>1</sup> For a given fuel type, estimated totals at the Census division level will not exactly equal the sum of the estimated totals for all corresponding States. This is because Census division level estimation is done by combining data regardless of State; thus avoiding the need to add State level estimates that may not all be available.

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 1999 are estimates based on a cutoff model sample--see the Technical Notes for a discussion of the sample design for the Form EIA-900. Values for 1998 are preliminary from Form EIA-860B. •Totals may not equal sum of components because of independent rounding. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

# Fossil-Fuel Stocks at U.S. Electric Nonutilities

**Table 71. U.S. Nonutility Stocks of Coal and Petroleum, 1990 Through September 1999**

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)
	Anthracite <sup>1</sup>	Bituminous <sup>2</sup>	Lignite	Total	Light	Heavy	Total	
1990 .....	NA	NA	NA	NA	NA	NA	NA	NA
1991 .....	NA	NA	NA	NA	NA	NA	NA	NA
1992 .....	NA	NA	NA	NA	NA	NA	NA	NA
1993 .....	NA	NA	NA	NA	NA	NA	NA	NA
1994 .....	NA	NA	NA	NA	NA	NA	NA	NA
1995 .....	NA	NA	NA	NA	NA	NA	NA	NA
1996 .....	NA	NA	NA	NA	NA	NA	NA	NA
1997 .....	NA	NA	NA	NA	NA	NA	NA	NA
1998 .....	NA	NA	NA	NA	NA	NA	NA	NA
1999								
January .....	NA	NA	NA	6,312	2,294	2,433	4,727	71
February .....	NA	NA	NA	6,399	2,253	2,230	4,483	66
March .....	NA	NA	NA	6,578	2,036	2,485	4,522	43
April .....	NA	NA	NA	6,889	2,042	2,610	4,652	146
May .....	NA	NA	NA	6,939	2,146	3,564	5,710	163
June .....	NA	NA	NA	7,910	2,048	3,897	5,945	179
July .....	NA	NA	NA	7,732	2,112	4,645	6,757	169
August .....	NA	NA	NA	8,173	1,978	4,068	6,046	128
September .....	NA	NA	NA	8,475	2,320	4,471	6,791	138

<sup>1</sup> Anthracite includes anthracite silt stored off-site.

<sup>2</sup> Bituminous coal includes subbituminous coal.

W = Withheld to avoid disclosure of individual company data.

Notes: •Values are not available for nonutility plants prior to 1999. Data for 1999 represent only stocks reported by facilities that are in the cutoff model sample. Data do not include estimates for facilities that are not required to report on Form EIA-900. •Totals may not equal sum of components because of independent rounding. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Sources: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

**Table 72. Nonutility Stocks of Coal by Census Division and State**  
(Thousand Short Tons)

Census Division	September 1999	August 1999	September 1998	Monthly Difference (percent)	Yearly Difference (percent)
New England.....	507	628	—	-19.2	—
Middle Atlantic.....	2,269	2,091	—	8.5	—
East North Central.....	1,265	1,186	—	6.6	—
West North Central.....	W	W	—	W	—
South Atlantic.....	1,389	1,295	—	7.2	—
East South Central.....	W	W	—	W	—
West South Central.....	417	386	—	8.0	—
Mountain.....	W	W	—	W	—
Pacific Contiguous.....	138	126	—	9.4	—
Pacific Noncontiguous.....	W	W	—	W	—
<b>U.S. Total.....</b>	<b>8,475</b>	<b>8,173</b>	<b>—</b>	<b>3.7</b>	<b>—</b>

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.

W = Withheld to avoid disclosure of individual company data.

Notes: •Values are not available for nonutility plants prior to 1999. Data for 1999 represent only stocks reported by facilities that are in the cutoff model sample. Data do not include estimates for facilities that are not required to report on Form EIA-900. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, subbituminous, bituminous, and anthracite coal. •Stocks are end-of-month stocks at nonutility facilities reporting on the EIA Form 900. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

**Table 73. Nonutility Stocks of Petroleum by Census Division and State**  
(Thousand Barrels)

Census Division	September 1999	August 1999	September 1998	Monthly Difference (percent)	Yearly Difference (percent)
New England.....	2,830	2,555	—	10.7	—
Middle Atlantic.....	NM	NM	—	26.9	—
East North Central.....	W	W	—	W	—
West North Central.....	W	W	—	W	—
South Atlantic.....	2,460	2,405	—	2.3	—
East South Central.....	W	W	—	W	—
West South Central.....	W	W	—	W	—
Mountain.....	W	W	—	W	—
Pacific Contiguous.....	W	W	—	W	—
Pacific Noncontiguous.....	W	W	—	W	—
<b>U.S. Total.....</b>	<b>6,791</b>	<b>6,046</b>	<b>—</b>	<b>12.3</b>	<b>—</b>

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 are not available for nonutility plants prior to 1999. Data for 1999 represent only stocks reported by facilities that are in the cutoff model sample. Data do not include estimates for facilities that are not required to report on Form EIA-900. •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 nonutility facilities reporting on the EIA Form 900. •Due to restructuring of the electric power industry, the sale of generating assets is resulting in a reclassification of plants from the utility to nonutility sector. This will affect comparisons of current and historical data.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

# **Monthly Plant Aggregates: U.S. Electric Nonutility Net Generation and Fuel Consumption**

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>A E Staley Manufacturing Co</b> .....	<b>27,954</b>	—	—	—	—	—	<b>24</b>	—	—
Decatur Plant Cogen .....	27,954	—	—	—	—	—	24	—	—
<b>Aera Energy LLC</b> .....	—	—	<b>40,054</b>	—	—	—	—	—	<b>404</b>
South Belridge Cogen Facility .....	—	—	40,054	—	—	—	—	—	404
<b>Air Liquide America Corp</b> .....	—	—	<b>206,951</b>	—	—	—	—	—	<b>2,362</b>
Bayou Cogen Plant .....	—	—	206,951	—	—	—	—	—	2,362
<b>Alabama Pine Pulp Co Inc</b> .....	—	—	—	—	—	<b>38,726</b>	—	—	—
Alabama Pine Pulp Co Inc .....	—	—	—	—	—	38,726	—	—	—
<b>Alcoa Inc</b> .....	<b>243,037</b>	—	—	—	—	—	<b>196</b>	—	—
Sandow .....	243,037	—	—	—	—	—	196	—	—
<b>Amer Bituminous Power Ptrn L P</b> .....	<b>46,174</b>	—	—	—	—	—	<b>39</b>	—	—
Grant Town Power Plant .....	46,174	—	—	—	—	—	39	—	—
<b>Amer Ref Fuel Co of Essex Cnt</b> .....	—	—	—	—	—	<b>44,520</b>	—	—	—
American Ref-Fuel Co of Essex .....	—	—	—	—	—	44,520	—	—	—
<b>Amer Ref Fuel Co Of Niagara LP</b> .....	—	—	<b>24,586</b>	—	—	—	—	—	<b>10</b>
American Ref-Fuel Co of Niagara .....	—	—	24,586	—	—	—	—	—	10
<b>American Atlas 1 LTD</b> .....	—	—	<b>4,850</b>	—	—	—	—	—	<b>52</b>
American Atlas #1 Cogen Plant .....	—	—	4,850	—	—	—	—	—	52
<b>American Ref Fuel Co</b> .....	—	—	—	—	—	<b>46,192</b>	—	—	—
American Ref-Fuel Co of Hempst .....	—	—	—	—	—	46,192	—	—	—
<b>Archer Daniels Midland Co</b> .....	<b>164,979</b>	—	<b>19,497</b>	—	—	—	<b>203</b>	—	<b>310</b>
Cedar Rapids .....	62,306	—	—	—	—	—	61	—	—
Decatur .....	95,393	—	—	—	—	—	129	—	—
Peoria .....	7,280	—	19,497	—	—	—	13	—	310
<b>Arco Products Company</b> .....	—	—	<b>227,520</b>	—	—	—	—	—	<b>2,836</b>
Watson Cogen Co .....	—	—	227,520	—	—	—	—	—	2,836
<b>Auburndale Power Partners L P</b> .....	—	—	<b>67,288</b>	—	—	—	—	—	<b>723</b>
Auburndale Power LP .....	—	—	67,288	—	—	—	—	—	723
<b>ACE Cogeneration Co</b> .....	<b>71,021</b>	—	—	—	—	—	<b>34</b>	—	—
ACE Cogen Co .....	71,021	—	—	—	—	—	34	—	—
<b>AES Corporation</b> .....	<b>1,077,382</b>	<b>112,946</b>	<b>61,371</b>	—	—	<b>580</b>	<b>429</b>	<b>2</b>	<b>575</b>
Goudey .....	75,631	—	—	—	—	—	32	—	—
AES Greenidge .....	81,350	140	5,005	—	—	580	35	*	61
AES Hicking .....	23,410	—	—	—	—	—	19	—	—
AES Jennison .....	11,264	—	—	—	—	—	8	—	—
Milliken .....	212,238	—	—	—	—	—	72	—	—
Kintigh .....	299,073	771	—	—	—	—	110	1	—
AES Deepwater Inc .....	—	112,035	—	—	—	—	—	—	—
AES Hawaii Inc .....	125,838	—	—	—	—	—	57	—	—
AES Thames Inc .....	163,400	—	—	—	—	—	48	—	—
AES BV Partners Beaver Valley .....	85,178	—	—	—	—	—	48	—	—
AES Placerita Inc .....	—	—	56,366	—	—	—	—	—	514
<b>AES Shady Point Incorporated</b> .....	<b>218,936</b>	—	—	—	—	—	<b>115</b>	—	—
AES Shady Point Inc .....	218,936	—	—	—	—	—	115	—	—
<b>AES Southland LLC</b> .....	—	—	<b>667,259</b>	—	—	—	—	—	<b>6,647</b>
AES Alamitos LLC .....	—	—	305,717	—	—	—	—	—	3,078
AES Huntington Beach LLC .....	—	—	72,606	—	—	—	—	—	808
AES Redondo Beach LLC .....	—	—	288,936	—	—	—	—	—	2,761
<b>AES WR Limited Partnership</b> .....	<b>4,643</b>	—	—	—	—	—	<b>3</b>	—	—
AES Warrior Run Cogeneration Facili .....	4,643	—	—	—	—	—	3	—	—
<b>AG Energy LP</b> .....	—	—	—	—	—	—	—	—	—
AG-Energy L/P .....	—	—	—	—	—	—	—	—	—
<b>B P Amoco Corporation PLC</b> .....	—	—	<b>51,182</b>	—	—	—	—	—	<b>929</b>
Whiting Refinery .....	—	—	51,182	—	—	—	—	—	929

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Badger Creek Limited</b> .....	—	—	<b>30,578</b>	—	—	—	—	—	<b>270</b>
Badger Creek Cogen .....	—	—	30,578	—	—	—	—	—	270
<b>Bear Mountain Limited</b> .....	—	—	<b>32,492</b>	—	—	—	—	—	<b>276</b>
Bear Mountain Cogen .....	—	—	32,492	—	—	—	—	—	276
<b>Bethlehem Steel Corp.</b> .....	—	—	<b>141,844</b>	—	—	—	—	—	<b>9,274</b>
Burns Harbor Plant.....	—	—	94,687	—	—	—	—	—	8,100
Sparrows Point .....	—	—	47,157	—	—	—	—	—	1,174
<b>Birchwood Power Partners L P</b> .....	<b>78,984</b>	—	—	—	—	—	<b>34</b>	—	—
SEI Birchwood Power Facility .....	78,984	—	—	—	—	—	34	—	—
<b>Boise Cascade Corporation</b> .....	—	—	—	—	—	<b>35,750</b>	—	—	—
DeRidder Mill.....	—	—	—	—	—	35,750	—	—	—
<b>Borden Chemical Co</b> .....	—	—	<b>56,914</b>	—	—	—	—	—	<b>766</b>
Borden Chemicals & Plastics .....	—	—	56,914	—	—	—	—	—	766
<b>Bowater Newsprint Calhoun Oper</b> .....	—	—	—	—	—	<b>40,981</b>	—	—	—
Bowater Newsprint Calhoun Operation.....	—	—	—	—	—	40,981	—	—	—
<b>Brklyn Navy Yrd Cogen Prtns L P</b> .....	—	—	<b>147,801</b>	—	—	—	—	—	<b>1,387</b>
Brooklyn Navy Yard Cogen Partners.....	—	—	147,801	—	—	—	—	—	1,387
<b>Brush Cogeneration Partners</b> .....	—	—	<b>11,236</b>	—	—	—	—	—	<b>242</b>
Brush Cogen Project Phase 2 (BCP).....	—	—	11,236	—	—	—	—	—	242
<b>BAF Energy Inc</b> .....	—	—	<b>58,956</b>	—	—	—	—	—	<b>686</b>
King City Power Plant .....	—	—	58,956	—	—	—	—	—	686
<b>BHP Copper White Pine Ref Inc</b> .....	—	—	—	—	—	—	—	—	—
Copper Range Co.....	—	—	—	—	—	—	—	—	—
<b>BP Amoco Exploration</b> .....	—	—	<b>25,452</b>	—	—	—	—	—	<b>331</b>
Anschutz Ranch East .....	—	—	25,452	—	—	—	—	—	331
<b>BP Amoco PLC</b> .....	—	—	<b>9,550</b>	—	—	—	—	—	<b>91</b>
Power Station # 3 .....	—	—	—	—	—	—	—	—	—
Power Station # 4 .....	—	—	9,550	—	—	—	—	—	91
<b>Cal Energy Company Inc</b> .....	—	—	<b>68,221</b>	—	—	—	—	—	<b>833</b>
C R Wing Cogen Plant.....	—	—	68,221	—	—	—	—	—	833
<b>Calpine Corporation</b> .....	—	—	<b>311,979</b>	—	—	—	—	—	<b>2,810</b>
Greenleaf Unit One .....	—	—	22,371	—	—	—	—	—	288
Texas City Cogen L P .....	—	—	289,608	—	—	—	—	—	2,522
<b>Calpine Eastern Corporation</b> .....	—	<b>1</b>	<b>30,995</b>	—	—	—	—	*	<b>322</b>
TBG Cogen.....	—	1	30,995	—	—	—	—	*	322
<b>Calpine Geysers LLC</b> .....	—	—	—	—	—	<b>466,604</b>	—	—	—
GEYSERS Unit 5-20 .....	—	—	—	—	—	436,559	—	—	—
SMUD GEO .....	—	—	—	—	—	30,045	—	—	—
<b>Calpine Gilroy Cogen L P</b> .....	—	—	<b>60,850</b>	—	—	—	—	—	<b>686</b>
Calpine Gilroy Cogen LP .....	—	—	60,850	—	—	—	—	—	686
<b>Calpine Pittsburg Inc</b> .....	—	—	<b>34,517</b>	—	—	—	—	—	<b>461</b>
Dow Chemical Company Pittsburg Site.....	—	—	34,517	—	—	—	—	—	461
<b>Cambria CoGen Company</b> .....	<b>65,500</b>	—	—	—	—	—	<b>61</b>	—	—
Cambria CoGen.....	65,500	—	—	—	—	—	61	—	—
<b>Camden Cogen L P</b> .....	—	—	<b>100,397</b>	—	—	—	—	*	<b>847</b>
Camden Cogen LP .....	—	—	100,397	—	—	—	—	*	847
<b>Cameron Ridge LLC</b> .....	—	—	—	—	—	<b>8,483</b>	—	—	—
Cameron Ridge.....	—	—	—	—	—	8,483	—	—	—
<b>Capital District Energy Center</b> .....	—	—	<b>26,200</b>	—	—	—	—	—	<b>327</b>
Capital District Energy Center Coge.....	—	—	26,200	—	—	—	—	—	327

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Cargill Fertilizer Inc</b> .....	—	—	—	—	—	<b>32,530</b>	—	—	—
Cargill Fertilizer Inc (Bartow) .....	—	—	—	—	—	32,530	—	—	—
<b>Carr St Generating Station LP</b> .....	—	—	<b>3,532</b>	—	—	—	—	—	<b>4</b>
East Syracuse Cogen Facility .....	—	—	3,532	—	—	—	—	—	4
<b>Cayuga Energy Inc</b> .....	—	—	<b>1,264</b>	—	—	—	—	*	<b>15</b>
Energy EastSouth Glens Falls .....	—	—	625	—	—	—	—	*	7
Carthage Energy LLC .....	—	—	639	—	—	—	—	—	8
<b>Cedar Bay Generating Co L P</b> .....	<b>168,269</b>	—	—	—	—	—	<b>86</b>	—	—
Cedar Bay Generating Co L/P .....	168,269	—	—	—	—	—	86	—	—
<b>Central Hudson Resources</b> .....	—	—	<b>63,499</b>	—	—	—	—	—	<b>484</b>
Beaver Falls LP .....	—	—	12,883	—	—	—	—	—	106
Syracuse LP .....	—	—	50,616	—	—	—	—	—	378
<b>Central Power and Lime Inc</b> .....	<b>84,016</b>	—	—	—	—	—	<b>34</b>	—	—
Central Power and Lime Inc .....	84,016	—	—	—	—	—	34	—	—
<b>Chalk Cliff Ltd</b> .....	—	—	<b>31,838</b>	—	—	—	—	—	<b>201</b>
Chalk Cliff Cogen .....	—	—	31,838	—	—	—	—	—	201
<b>Chambers Cogeneration LP</b> .....	<b>76,918</b>	—	—	—	—	—	<b>38</b>	—	—
Chambers Cogen LP .....	76,918	—	—	—	—	—	38	—	—
<b>Champion International Corp</b> .....	—	—	<b>21,717</b>	—	—	<b>147,802</b>	—	—	<b>234</b>
Bucksport, Maine .....	—	—	—	—	—	53,126	—	—	—
Courtland Mill .....	—	—	21,717	—	—	49,149	—	—	234
Pensacola, Florida .....	—	—	—	—	—	45,527	—	—	—
<b>Chevron USA Inc</b> .....	—	—	<b>138,234</b>	—	—	—	—	—	<b>1,588</b>
El Segundo Refinery .....	—	—	66,324	—	—	—	—	—	841
Richmond Cogen Project .....	—	—	71,910	—	—	—	—	—	747
<b>Clark Refining Marketing Inc</b> .....	—	—	<b>36,767</b>	—	—	—	—	—	<b>921</b>
Port Arthur Refinery .....	—	—	36,767	—	—	—	—	—	921
<b>Clear Lake Cogeneration L/P</b> .....	—	—	<b>214,988</b>	—	—	—	—	—	<b>2,839</b>
Clear Lake Cogen Limited .....	—	—	214,988	—	—	—	—	—	2,839
<b>Cleveland Cliffs Inc</b> .....	<b>46,714</b>	—	—	—	—	—	<b>34</b>	—	—
Silver Bay Power Co .....	46,714	—	—	—	—	—	34	—	—
<b>Cogen Energy Technology LP</b> .....	—	—	<b>8,752</b>	—	—	—	—	—	<b>103</b>
Cogen Energy Technology LP - Fort .....	—	—	8,752	—	—	—	—	—	103
<b>Cogen Tech Linden Venture LP</b> .....	—	—	<b>300,986</b>	—	—	—	—	—	<b>2,799</b>
Linden Cogen Plant .....	—	—	300,986	—	—	—	—	—	2,799
<b>Cogen Technologies NJ Venture</b> .....	—	—	<b>83,124</b>	—	—	—	—	—	<b>1,035</b>
Bayonne Cogen Plant .....	—	—	83,124	—	—	—	—	—	1,035
<b>Cogentrix of N Carolina Inc</b> .....	<b>11,550</b>	—	—	—	—	—	<b>9</b>	—	—
Cogentrix Southport .....	6,920	—	—	—	—	—	6	—	—
Cogentrix Roxboro .....	4,630	—	—	—	—	—	3	—	—
<b>Cogentrix of Richmond Inc</b> .....	<b>89,290</b>	—	—	—	—	—	<b>54</b>	—	—
Cogentrix of Richmond Inc .....	89,290	—	—	—	—	—	54	—	—
<b>Cogentrix of Rocky Mount Inc</b> .....	<b>36,670</b>	—	—	—	—	—	<b>17</b>	—	—
Dwayne Collier Battle Cogen .....	36,670	—	—	—	—	—	17	—	—
<b>Cogentrix VA Leasing Corp</b> .....	<b>1,880</b>	—	—	—	—	—	<b>7</b>	—	—
Cogentrix Portsmouth .....	1,880	—	—	—	—	—	7	—	—
<b>Colmac Energy Inc</b> .....	—	—	—	—	—	<b>31,716</b>	—	—	—
Mecca Plant .....	—	—	—	—	—	31,716	—	—	—
<b>Colorado Power Partners</b> .....	—	—	<b>1,274</b>	—	—	—	—	—	<b>14</b>
Brush Power Project Phase 1 (CPP) .....	—	—	1,274	—	—	—	—	—	14
<b>Commonwealth Atlantic L P</b> .....	—	—	<b>10,793</b>	—	—	—	—	—	<b>129</b>
Commonwealth Atlantic LP .....	—	—	10,793	—	—	—	—	—	129

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Connecticut Resource Recovery</b> .....	<b>3,687</b>	—	—	—	—	<b>41,737</b>	<b>2</b>	—	—
Mid-Connecticut Facility .....	3,687	—	—	—	—	41,737	2	—	—
<b>Consolidated Papers Inc</b> .....	—	—	—	—	—	<b>46,113</b>	—	—	—
Biron Division .....	—	—	—	—	—	15,956	—	—	—
Kraft Division .....	—	—	—	—	—	30,157	—	—	—
<b>Continental Energy Associates</b> .....	—	—	—	—	—	—	—	—	—
Continental Energy Associates .....	—	—	—	—	—	—	—	—	—
<b>Corn Products International</b> .....	<b>27,113</b>	—	<b>2,298</b>	—	—	—	<b>25</b>	—	<b>34</b>
Corn Products-Illinois .....	27,113	—	2,298	—	—	—	25	—	34
<b>Corona Energy Partners Ltd</b> .....	—	—	<b>28,874</b>	—	—	—	—	—	<b>272</b>
Corona Cogen .....	—	—	28,874	—	—	—	—	—	272
<b>Coso Energy Developers</b> .....	—	—	—	—	—	<b>65,447</b>	—	—	—
Coso Energy Developers .....	—	—	—	—	—	65,447	—	—	—
<b>Coso Finance Partners</b> .....	—	—	—	—	—	<b>70,558</b>	—	—	—
Coso Finance Partners .....	—	—	—	—	—	70,558	—	—	—
<b>Coso Power Developers</b> .....	—	—	—	—	—	<b>74,481</b>	—	—	—
Coso Power Developers .....	—	—	—	—	—	74,481	—	—	—
<b>CoGen Funding LP</b> .....	—	—	<b>271,495</b>	—	—	—	—	—	<b>3,425</b>
CoGen Lyondell Inc .....	—	—	271,495	—	—	—	—	—	3,425
<b>Craven County Wood Energy L P</b> .....	—	—	—	—	—	<b>30,658</b>	—	—	—
Craven County Wood Energy L/P .....	—	—	—	—	—	30,658	—	—	—
<b>Crown Vantage Inc</b> .....	—	—	—	—	—	<b>9,642</b>	—	—	—
St Francisville Mill .....	—	—	—	—	—	9,642	—	—	—
<b>CITGO Petroleum Corp</b> .....	—	—	<b>29,103</b>	—	—	—	—	—	<b>1,317</b>
CITGO Refinery Powerhouse .....	—	—	29,103	—	—	—	—	—	1,317
<b>CMS Generation Company</b> .....	—	—	<b>38,362</b>	—	—	—	—	—	<b>320</b>
Lakewood Cogen L/P .....	—	—	38,362	—	—	—	—	—	320
<b>CSW Energy Inc</b> .....	—	—	<b>983</b>	—	—	—	—	—	<b>13</b>
Newgulf Cogen Plant .....	—	—	983	—	—	—	—	—	13
<b>Delano Energy Co Inc</b> .....	—	—	—	—	—	<b>32,251</b>	—	—	—
Delano Energy Co Inc .....	—	—	—	—	—	32,251	—	—	—
<b>Dexter Corporation</b> .....	—	—	<b>36,004</b>	—	—	—	—	—	<b>372</b>
Dexter Cogen Facility .....	—	—	36,004	—	—	—	—	—	372
<b>Dominon Elwood Energy</b> .....	—	—	<b>40,369</b>	—	—	—	—	—	<b>449</b>
Elwood Energy LLC .....	—	—	40,369	—	—	—	—	—	449
<b>Donohue Inc</b> .....	—	—	<b>29,305</b>	—	—	—	—	—	<b>408</b>
Lufkin Texas .....	—	—	29,305	—	—	—	—	—	408
<b>Donohue Industries Inc</b> .....	—	—	—	—	—	<b>28,376</b>	—	—	—
Sheldon, Texas .....	—	—	—	—	—	28,376	—	—	—
<b>Doswell Limited Partnership</b> .....	—	—	<b>49,863</b>	—	—	—	—	—	<b>606</b>
Doswell Combined Cycle Facility .....	—	—	49,863	—	—	—	—	—	606
<b>Double C Ltd</b> .....	—	—	<b>31,363</b>	—	—	—	—	—	<b>338</b>
Double "C" .....	—	—	31,363	—	—	—	—	—	338
<b>Dow Chemical Co</b> .....	—	—	<b>376,855</b>	—	—	—	—	—	<b>6,461</b>
CA II (Chlor Alkali II) .....	—	—	33,859	—	—	—	—	—	445
Power and Utilities .....	—	—	342,996	—	—	—	—	—	6,016
<b>Duke Energy Power Services</b> .....	—	<b>997</b>	<b>1,070,550</b>	—	—	—	—	<b>2</b>	<b>11,317</b>
Duke Energy Moss Landing LLC .....	—	—	596,425	—	—	—	—	—	6,455
Duke Energy Morro Bay LLC .....	—	—	294,714	—	—	—	—	—	2,977
Duke Energy South Bay LLC .....	—	—	179,411	—	—	—	—	—	1,886
Duke Energy Oakland LLC .....	—	997	—	—	—	—	—	2	—

See footnotes at end of table.



**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Dynegy Inc-44</b> .....	—	—	<b>463,555</b>	—	—	—	—	—	<b>2,938</b>
Kearny.....	—	—	1,848	—	—	—	—	—	32
Encina.....	—	—	461,499	—	—	—	—	—	2,897
North Island.....	—	—	208	—	—	—	—	—	9
<b>DFO Partnership</b> .....	—	—	—	—	—	<b>27,451</b>	—	—	—
H-Power.....	—	—	—	—	—	27,451	—	—	—
<b>E I DuPont De Nemours &amp; Co</b> .....	—	—	<b>108,577</b>	—	—	—	—	—	<b>1,170</b>
Sabine River Works.....	—	—	50,400	—	—	—	—	—	496
Victoria Texas Plant.....	—	—	58,177	—	—	—	—	—	673
<b>Eagle Point Cogen Partnership</b> .....	—	—	<b>115,262</b>	—	—	—	—	—	<b>1,383</b>
Eagle Point Cogen.....	—	—	115,262	—	—	—	—	—	1,383
<b>Eastman Kodak Co</b> .....	<b>155,552</b>	<b>6,020</b>	<b>12,508</b>	—	—	—	<b>59</b>	<b>12</b>	<b>140</b>
Kodak Park Site.....	155,552	6,020	12,508	—	—	—	59	12	140
<b>Ebensburg Power Co</b> .....	<b>26,740</b>	—	—	—	—	—	<b>27</b>	—	—
Ebensburg Power Co.....	26,740	—	—	—	—	—	27	—	—
<b>Edison Mission Energy</b> .....	<b>960,467</b>	—	—	—	—	—	<b>399</b>	—	—
EME Homer City Generation LP.....	960,467	—	—	—	—	—	399	—	—
<b>El Segundo Power LLC</b> .....	—	—	<b>290,876</b>	—	—	—	—	—	<b>3,027</b>
El Segundo Power.....	—	—	290,876	—	—	—	—	—	3,027
<b>Elkem Metals Co</b> .....	<b>24,635</b>	—	—	—	—	—	<b>12</b>	—	—
Alloy Steam Station.....	24,635	—	—	—	—	—	12	—	—
<b>Encogen Northwest LP</b> .....	—	—	<b>111,283</b>	—	—	—	—	<b>2</b>	<b>1,002</b>
Encogen NW.....	—	—	111,283	—	—	—	—	2	1,002
<b>Encogen One Partners Ltd</b> .....	—	—	<b>124,431</b>	—	—	—	—	—	<b>1,168</b>
Encogen One.....	—	—	124,431	—	—	—	—	—	1,168
<b>Equilon Enterprises LLC LA Ref</b> .....	—	—	<b>29,518</b>	—	—	—	—	—	<b>72</b>
Texaco Los Angeles Plant.....	—	—	29,518	—	—	—	—	—	72
<b>Exxon Chemical Company</b> .....	—	—	<b>55,130</b>	—	—	—	—	—	<b>367</b>
Baton Rouge Turbine Generator.....	—	—	55,130	—	—	—	—	—	367
<b>Exxon Co USA</b> .....	—	—	<b>516,309</b>	—	—	—	—	—	<b>5,041</b>
Exxon Company USA-Baytown PP3/PP4.....	—	—	129,560	—	—	—	—	—	1,846
Baytown Turbine Generator Project.....	—	—	140,912	—	—	—	—	—	1,700
Baton Rouge Cogen.....	—	—	245,837	—	—	—	—	—	1,496
<b>Fibertek Energy Inc</b> .....	<b>33,514</b>	—	—	—	—	—	<b>22</b>	—	—
Fibretek Energy LLC.....	33,514	—	—	—	—	—	22	—	—
<b>Formosa Plastics Corp</b> .....	—	—	<b>405,809</b>	—	—	—	—	—	<b>4,238</b>
Formosa Utility Venture Limited.....	—	—	333,346	—	—	—	—	—	3,342
Formosa Plastics Corp.....	—	—	72,463	—	—	—	—	—	896
<b>Fort James Corp</b> .....	—	—	—	—	—	<b>34,197</b>	—	—	—
Naheola Mill.....	—	—	—	—	—	34,197	—	—	—
<b>Fort James Operating Co</b> .....	<b>45,056</b>	<b>20,351</b>	—	—	—	—	<b>27</b>	—	—
Green Bay West Mill.....	45,056	20,351	—	—	—	—	27	—	—
<b>Fort James Operating Company</b> .....	<b>42,542</b>	<b>43,896</b>	<b>7,458</b>	—	—	—	<b>46</b>	<b>*</b>	<b>138</b>
Savannah River Mill.....	6,704	43,896	5,808	—	—	—	3	*	121
Muskogee Mill.....	35,838	—	1,650	—	—	—	43	—	17
<b>Foster Wheeler Power Sys Inc</b> .....	—	—	<b>42,342</b>	—	—	—	—	—	<b>423</b>
Foster Wheeler Martinez Inc.....	—	—	42,342	—	—	—	—	—	423
<b>Fulton Cogeneration Associates</b> .....	—	—	<b>4,778</b>	—	—	—	—	—	<b>67</b>
Rensselaer Cogen.....	—	—	4,778	—	—	—	—	—	67
Fulton Cogen Associates.....	—	—	—	—	—	—	—	—	—
<b>FPL Energy Inc</b> .....	—	—	—	—	—	<b>12,152</b>	—	—	—
Multitrade of Pittsylvania County.....	—	—	—	—	—	12,152	—	—	—

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>FPL Energy Maine Inc</b> .....	—	<b>197,406</b>	—	—	—	—	—	<b>318</b>	—
Wyman Steam .....	—	197,406	—	—	—	—	—	318	—
<b>FPL Energy MH50 LP</b> .....	—	—	<b>31,927</b>	—	—	—	—	—	<b>401</b>
Marcus Hook Refinery Cogen .....	—	—	31,927	—	—	—	—	—	401
<b>FPL Engy Inc Caitness Engy</b> .....	—	—	—	—	—	<b>47,531</b>	—	—	—
Calistoga Geothermal Partners L.P. ....	—	—	—	—	—	47,531	—	—	—
<b>Gaylord Container Corp</b> .....	—	—	—	—	—	<b>43,774</b>	—	—	—
Gaylord Container Corp Bogalusa .....	—	—	—	—	—	43,774	—	—	—
<b>General Electric Co</b> .....	—	<b>6</b>	<b>10,795</b>	—	—	—	—	*	<b>217</b>
GE Company Aircraft Engines .....	—	6	10,795	—	—	—	—	*	217
<b>Geneva Steel</b> .....	—	—	<b>25,232</b>	—	—	—	<b>1</b>	—	<b>373</b>
Geneva Steel .....	—	—	25,232	—	—	—	1	—	373
<b>Georgia Pacific Corp</b> .....	—	—	—	—	—	<b>368,109</b>	—	—	—
Leaf River .....	—	—	—	—	—	33,010	—	—	—
Brunswick Pulp & Paper Co .....	—	—	—	—	—	36,905	—	—	—
Crossett Paper .....	—	—	—	—	—	50,670	—	—	—
Monticello Paper .....	—	—	—	—	—	36,731	—	—	—
Palatka Operations .....	—	—	—	—	—	28,326	—	—	—
Port Hudson Pulp & Printing Paper .....	—	—	—	—	—	36,715	—	—	—
Woodland Pulp & Paper .....	—	—	—	—	—	24,820	—	—	—
Cedar Springs .....	—	—	—	—	—	56,292	—	—	—
Ashdown .....	—	—	—	—	—	64,640	—	—	—
<b>Gilberton Power Co</b> .....	<b>57,431</b>	—	—	—	—	—	<b>55</b>	—	—
John B. Rich Memorial Power Station .....	57,431	—	—	—	—	—	55	—	—
<b>Goal Line LP</b> .....	—	—	<b>20,873</b>	—	—	—	—	—	<b>212</b>
Goal Line LP .....	—	—	20,873	—	—	—	—	—	212
<b>Gordonsville Energy LP</b> .....	—	—	<b>6,150</b>	—	—	—	—	—	<b>15</b>
Gordonsville Energy LP .....	—	—	6,150	—	—	—	—	—	15
<b>Grays Ferry Cogeneration Partn</b> .....	—	—	<b>93,483</b>	—	—	—	—	—	<b>821</b>
Grays Ferry Cogen Partnershi .....	—	—	93,483	—	—	—	—	—	821
<b>Great Northern Paper Inc</b> .....	—	<b>34,241</b>	—	—	—	—	—	<b>94</b>	—
Great Northern Paper .....	—	34,241	—	—	—	—	—	94	—
<b>GPU International Inc</b> .....	—	—	<b>15,108</b>	—	—	—	—	—	<b>166</b>
Onondaga Cogen .....	—	—	15,108	—	—	—	—	—	166
<b>Harbor Cogeneration Co</b> .....	—	—	—	—	—	—	—	—	—
Harbor Cogen Co .....	—	—	—	—	—	—	—	—	—
<b>Hardee Power Partners Ltd</b> .....	—	<b>12,143</b>	<b>52,850</b>	—	—	—	—	<b>20</b>	<b>494</b>
Hardee Power Station .....	—	12,143	52,850	—	—	—	—	20	494
<b>Hartwell Energy Ltd Partners</b> .....	—	<b>12</b>	<b>36,397</b>	—	—	—	—	*	<b>489</b>
Hartwell Energy LP .....	—	12	36,397	—	—	—	—	*	489
<b>Hawaiian Coml &amp; Sugar Co Ltd</b> .....	—	—	—	—	—	<b>21,493</b>	—	—	—
Hawaiian Coml & Sugar Co .....	—	—	—	—	—	21,493	—	—	—
<b>Heber Geothermal Co</b> .....	—	—	—	—	—	<b>26,005</b>	—	—	—
Heber Geothermal Co .....	—	—	—	—	—	26,005	—	—	—
<b>High Sierra Ltd</b> .....	—	—	<b>23,911</b>	—	—	—	—	—	<b>239</b>
High Sierra .....	—	—	23,911	—	—	—	—	—	239
<b>Hopewell Cogeneration Inc</b> .....	—	<b>40</b>	<b>19,184</b>	—	—	—	—	*	<b>174</b>
Hopewell Cogen .....	—	40	19,184	—	—	—	—	*	174
<b>Huntsman Corp</b> .....	—	—	<b>47,808</b>	—	—	—	—	—	<b>571</b>
JCO-Oxides & Olefins Plant .....	—	—	47,808	—	—	—	—	—	571
<b>Indeck Corinth Ltd Partnership</b> .....	—	—	<b>32,196</b>	—	—	—	—	—	<b>349</b>
Indeck-Corinth Energy Center .....	—	—	32,196	—	—	—	—	—	349

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Indeck Energy Serv Silver Sprng</b> .....	—	—	<b>25,308</b>	—	—	—	—	—	<b>304</b>
Indeck-Silver Springs Energy Center .....	—	—	25,308	—	—	—	—	—	304
<b>Indeck Ilion Ltd Partnership</b> .....	—	—	<b>1,361</b>	—	—	—	—	—	<b>31</b>
Indeck-Ilion Energy Center .....	—	—	1,361	—	—	—	—	—	31
<b>Indeck Olean Ltd Partnership</b> .....	—	—	<b>1,382</b>	—	—	—	—	—	<b>15</b>
Indeck Olean Energy Center .....	—	—	1,382	—	—	—	—	—	15
<b>Indeck Oswego Ltd Partnership</b> .....	—	—	—	—	—	—	—	—	—
Indeck Oswego Energy Center .....	—	—	—	—	—	—	—	—	—
<b>Indeck Yerkes Ltd Partnership</b> .....	—	—	<b>3,515</b>	—	—	—	—	—	<b>35</b>
Indeck-Yerkes Energy Center .....	—	—	3,515	—	—	—	—	—	35
<b>Indiantown Cogeneration LP</b> .....	<b>215,913</b>	—	—	—	—	—	<b>77</b>	—	—
Indiantown Generation plant .....	215,913	—	—	—	—	—	77	—	—
<b>Inland Paperboard &amp; Pack'g Inc.</b> .....	—	—	—	—	—	<b>44,799</b>	—	—	—
Inland Paperboard Packaging Rome Li .....	—	—	—	—	—	44,799	—	—	—
<b>Inland Steel Co</b> .....	—	—	<b>2,952</b>	—	—	—	—	—	<b>6,249</b>
2 AC Station .....	—	—	2,952	—	—	—	—	—	6,249
4 AC Station .....	—	—	—	—	—	—	—	—	—
<b>Inter-Power/Ahlcon Partners In</b> .....	<b>73,808</b>	—	—	—	—	—	<b>50</b>	—	—
Colver Power Project .....	73,808	—	—	—	—	—	50	—	—
<b>International Paper Co</b> .....	<b>14,414</b>	<b>43,012</b>	<b>37,312</b>	—	—	<b>135,849</b>	<b>14</b>	<b>113</b>	<b>535</b>
Georgetown Mill .....	—	—	—	—	—	45,490	—	—	—
Mobile Mill .....	—	—	—	—	—	36,762	—	—	—
Riverdale Mill .....	—	—	27,018	—	—	—	—	—	320
Texarkana Mill .....	—	—	—	—	—	38,260	—	—	—
International Paper - Augusta Mill .....	14,414	2,404	10,294	—	—	15,337	14	8	214
International Paper Riegelwood Mil .....	—	40,608	—	—	—	—	—	105	—
<b>IBM Corp</b> .....	—	<b>56</b>	—	—	—	—	—	*	—
IBM San Jose Standby Generator .....	—	56	—	—	—	—	—	*	—
<b>IPC-Louis</b> .....	—	—	—	—	—	<b>39,730</b>	—	—	—
Louisiana Mill .....	—	—	—	—	—	39,730	—	—	—
<b>IPC-Mansfield Mill</b> .....	—	—	<b>15,304</b>	—	—	<b>57,795</b>	—	—	<b>144</b>
Mansfield Mill .....	—	—	15,304	—	—	57,795	—	—	144
<b>IPC-Pine</b> .....	—	—	—	—	—	<b>32,224</b>	—	—	—
IPC - Pine Bluff Mill .....	—	—	—	—	—	32,224	—	—	—
<b>ITT Rayonier Inc.</b> .....	—	—	—	—	—	<b>37,498</b>	—	—	—
Rayonier Incorporation- Jesup Mill .....	—	—	—	—	—	37,498	—	—	—
<b>James River Cogeneration Co</b> .....	<b>1,772</b>	—	—	—	—	—	<b>9</b>	—	—
Cogentrix Hopewell .....	1,772	—	—	—	—	—	9	—	—
<b>Jefferson Smurfit Corp</b> .....	—	—	—	—	—	<b>48,240</b>	—	—	—
Jefferson Smurfit Corp .....	—	—	—	—	—	48,240	—	—	—
<b>Kaiser Aluminum&amp;Chemical Corp</b> .....	—	—	—	—	—	—	—	—	—
Kaiser Aluminum .....	—	—	—	—	—	—	—	—	—
<b>Kalaeloa Partners LP</b> .....	—	<b>90,190</b>	—	—	—	—	—	<b>172</b>	—
Kalaeloa Cogen Plant .....	—	90,190	—	—	—	—	—	172	—
<b>Kenetech Windpower Inc</b> .....	—	—	—	—	—	<b>58,310</b>	—	—	—
Altamont Pass Windplant .....	—	—	—	—	—	58,310	—	—	—
<b>Kern Front Ltd</b> .....	—	—	<b>31,254</b>	—	—	—	—	—	<b>318</b>
Kern Front .....	—	—	31,254	—	—	—	—	—	318
<b>Kern River Cogeneration Co</b> .....	—	—	<b>217,657</b>	—	—	—	—	—	<b>2,523</b>
Kern River Cogen Co .....	—	—	217,657	—	—	—	—	—	2,523
<b>Keyspan</b> .....	—	<b>71,750</b>	<b>572,693</b>	—	—	—	—	<b>142</b>	<b>5,848</b>
Ravenswood .....	—	71,750	572,693	—	—	—	—	142	5,848

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Kimberly-Clark Corp.</b> .....	<b>34,702</b>	—	—	—	—	—	<b>26</b>	—	—
Chester Operations .....	34,702	—	—	—	—	—	26	—	—
<b>Kincaid Generation</b> .....	<b>378,096</b>	—	—	—	—	—	<b>227</b>	—	<b>3</b>
Kincaid Generation LLC.....	378,096	—	—	—	—	—	227	—	3
<b>KIAC Partners</b> .....	—	—	<b>39,170</b>	—	—	—	—	—	<b>393</b>
Kennedy International Airport Cogen .....	—	—	39,170	—	—	—	—	—	393
<b>Lake Cogen Ltd</b> .....	—	—	<b>51,047</b>	—	—	—	—	—	<b>532</b>
Lake Cogen Limited.....	—	—	51,047	—	—	—	—	—	532
<b>Las Vegas Cogeneration</b> .....	—	—	<b>13,312</b>	—	—	—	—	—	<b>133</b>
Las Vegas Cogen LP .....	—	—	13,312	—	—	—	—	—	133
<b>Live Oak Limited</b> .....	—	—	<b>27,159</b>	—	—	—	—	—	<b>238</b>
Live Oak Cogen .....	—	—	27,159	—	—	—	—	—	238
<b>Lockport Energy Assoc LP</b> .....	—	—	<b>68,360</b>	—	—	<b>35,210</b>	—	*	<b>920</b>
Lockport Energy Assoc L/P Lockport.....	—	—	68,360	—	—	35,210	—	*	920
<b>Logan Generating Company LP</b> .....	<b>95,721</b>	—	—	—	—	—	<b>41</b>	—	—
Logan Generating Plant .....	95,721	—	—	—	—	—	41	—	—
<b>Long Beach Generation</b> .....	—	—	<b>55,568</b>	—	—	—	—	—	<b>755</b>
Long Beach Power.....	—	—	55,568	—	—	—	—	—	755
<b>Longview Fibre Co</b> .....	—	—	<b>42,740</b>	—	—	<b>35,110</b>	—	—	<b>588</b>
Longview Fibre Co .....	—	—	42,740	—	—	35,110	—	—	588
<b>Luz Solar Partners Ltd IX</b> .....	—	—	—	—	—	<b>20,682</b>	—	—	—
SEGS IX .....	—	—	—	—	—	20,682	—	—	—
<b>Luz Solar Partners Ltd VIII</b> .....	—	—	—	—	—	<b>23,565</b>	—	—	—
SEGS VIII .....	—	—	—	—	—	23,565	—	—	—
<b>LA County Sanitation Districts</b> .....	—	—	—	—	—	<b>33,933</b>	—	—	—
Puente Hills Energy Recovery.....	—	—	—	—	—	33,933	—	—	—
<b>LG&amp;E Power Inc.</b> .....	<b>941,807</b>	<b>99</b>	—	—	—	—	<b>302</b>	<b>1</b>	—
Coleman.....	227,300	—	—	—	—	—	103	—	—
Henderson 2.....	149,241	—	—	—	—	—	61	—	—
Reid.....	17,262	99	—	—	—	—	9	1	—
Green.....	270,671	—	—	—	—	—	86	—	—
Wilson.....	277,333	—	—	—	—	—	44	—	—
<b>LG&amp;E Westmoreland Altavista</b> .....	<b>2,845</b>	—	—	—	—	<b>2,378</b>	<b>2</b>	—	—
LG&E-Westmoreland Altavista.....	2,845	—	—	—	—	2,378	2	—	—
<b>LG&amp;E Westmoreland Hopewell</b> .....	<b>5,113</b>	—	—	—	—	—	<b>2</b>	—	—
LG&E-Westmoreland Hopewell.....	5,113	—	—	—	—	—	2	—	—
<b>LG&amp;E Westmoreland Southampton</b> .....	<b>4,938</b>	<b>70</b>	—	—	—	—	<b>4</b>	*	—
LG&E-Westmoreland Southampton .....	4,938	70	—	—	—	—	4	*	—
<b>LSP Cottage Grove LP</b> .....	—	—	<b>42,910</b>	—	—	—	—	—	<b>115</b>
Cottage Grove Cogen Facility .....	—	—	42,910	—	—	—	—	—	115
<b>LSP Whitewater LP</b> .....	—	—	<b>32,528</b>	—	—	—	—	—	<b>255</b>
Whitewater Cogen Facility .....	—	—	32,528	—	—	—	—	—	255
<b>LTV Steel Co Inc.</b> .....	<b>80,710</b>	—	<b>46,450</b>	—	—	—	<b>51</b>	—	<b>11,434</b>
LTV Steel Mining Co -Schroeder.....	80,710	—	—	—	—	—	51	—	—
LTV Steel - Indiana Harbor Works.....	—	—	46,450	—	—	—	—	—	11,434
<b>MacMillan Bloedel Packaging</b> .....	—	—	—	—	—	<b>44,220</b>	—	—	—
MacMillan Bloedel Packaging Inc .....	—	—	—	—	—	44,220	—	—	—
<b>March Point Cogeneration Co</b> .....	—	—	<b>94,321</b>	—	—	—	—	*	<b>1,089</b>
March Point Cogen Co .....	—	—	94,321	—	—	—	—	*	1,089
<b>Martinez Refining Co.</b> .....	—	—	<b>55,601</b>	—	—	—	—	—	<b>653</b>
Martinez Refining Co.....	—	—	55,601	—	—	—	—	—	653

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Massachusetts Bay Trans Auth</b> .....	—	<b>6</b>	—	—	—	—	—	*	—
M Street Jet .....	—	6	—	—	—	—	—	*	—
<b>Massachusetts Water Res Auth</b> .....	—	<b>97</b>	—	—	—	—	—	<b>2</b>	—
Deer Island Treatment Plant .....	—	97	—	—	—	—	—	2	—
<b>Masspower</b> .....	—	—	<b>140,411</b>	—	—	—	—	—	<b>1,188</b>
Masspower .....	—	—	140,411	—	—	—	—	—	1,188
<b>McKittrick Ltd</b> .....	—	—	<b>26,255</b>	—	—	—	—	—	<b>226</b>
McKittrick Cogen .....	—	—	26,255	—	—	—	—	—	226
<b>Mead Coated Board Inc</b> .....	—	—	—	—	—	<b>51,399</b>	—	—	—
Mead Coated Board Inc .....	—	—	—	—	—	51,399	—	—	—
<b>Mead Paper Corp</b> .....	<b>12,081</b>	<b>450</b>	<b>12,114</b>	—	—	<b>25,748</b>	<b>10</b>	<b>1</b>	<b>142</b>
Mead Paper .....	12,081	450	12,114	—	—	25,748	10	1	142
<b>Mead Paper Corporation</b> .....	<b>53,158</b>	—	—	—	—	—	<b>11</b>	—	—
Rumford Cogen Co .....	53,158	—	—	—	—	—	11	—	—
<b>Mecklenburg Cogeneration LP</b> .....	<b>48,488</b>	—	—	—	—	—	<b>25</b>	—	—
Mecklenburg Cogeneration Facility .....	48,488	—	—	—	—	—	25	—	—
<b>Medical Area Totl Engy Plt Inc</b> .....	—	<b>10,586</b>	<b>8,875</b>	—	—	—	—	<b>25</b>	<b>237</b>
Advanced Energy Systems .....	—	10,586	8,875	—	—	—	—	25	237
<b>Metro Dade County</b> .....	—	—	—	—	—	<b>23,099</b>	—	—	—
Miami-Dade County Resources Recover .....	—	—	—	—	—	23,099	—	—	—
<b>Michigan Power Ltd Partnership</b> .....	—	—	<b>76,368</b>	—	—	—	—	—	<b>718</b>
Michigan Power Limited Partnership .....	—	—	76,368	—	—	—	—	—	718
<b>Michigan State University</b> .....	<b>18,365</b>	—	<b>1,350</b>	—	—	—	<b>18</b>	—	<b>27</b>
TB Simon Power Plant .....	18,365	—	1,350	—	—	—	18	—	27
<b>Mid-Continent Power Co Inc</b> .....	—	—	<b>22,019</b>	—	—	—	—	—	<b>211</b>
Mid-Continent Power Company Inc .....	—	—	22,019	—	—	—	—	—	211
<b>Midway-Sunset Cogeneration Co</b> .....	—	—	<b>163,417</b>	—	—	—	—	—	<b>1,801</b>
Midway Sunset Cogen Co .....	—	—	163,417	—	—	—	—	—	1,801
<b>Milford Power Ltd Partnership</b> .....	—	—	<b>19,791</b>	—	—	—	—	—	<b>211</b>
Milford Power LP .....	—	—	19,791	—	—	—	—	—	211
<b>Mobil Oil Corp</b> .....	—	—	<b>118,725</b>	—	—	—	—	—	<b>2,667</b>
Torrance Refinery .....	—	—	—	—	—	—	—	—	—
Beaumont Refinery .....	—	—	118,725	—	—	—	—	—	2,667
<b>Mobile Energy Serv Co LLC</b> .....	—	—	—	—	—	<b>50,018</b>	—	—	—
Mobile Energy Services Co LLC .....	—	—	—	—	—	50,018	—	—	—
<b>Mojave Cogeneration Co</b> .....	—	—	<b>29,916</b>	—	—	—	—	—	<b>309</b>
Mojave Cogen Co .....	—	—	29,916	—	—	—	—	—	309
<b>Morgantown Energy Associates</b> .....	<b>13,927</b>	—	—	—	—	—	<b>13</b>	—	—
Morgantown Energy Facility .....	13,927	—	—	—	—	—	13	—	—
<b>Motiva Enterprises LLC</b> .....	—	—	<b>61,151</b>	—	—	—	—	—	<b>1,586</b>
Port Arthur Plant .....	—	—	61,151	—	—	—	—	—	1,586
<b>Mt Poso Cogeneration Co</b> .....	<b>37,537</b>	—	—	—	—	—	<b>17</b>	—	—
Mt Poso Cogen .....	37,537	—	—	—	—	—	17	—	—
<b>Mustang Station</b> .....	—	—	<b>5,237</b>	—	—	—	—	—	<b>116</b>
Mustang Station .....	—	—	5,237	—	—	—	—	—	116
<b>Nelson Industrial Steam Co</b> .....	—	<b>161,331</b>	—	—	—	—	—	—	—
Nelson Industrial Steam Co .....	—	161,331	—	—	—	—	—	—	—
<b>Nevada Cogeneration Assoc I</b> .....	—	—	<b>44,798</b>	—	—	—	—	—	<b>555</b>
Nevada Cogen Associates # 1 .....	—	—	44,798	—	—	—	—	—	555

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Nevada Cogeneration Assoc 2</b> .....	—	—	<b>44,457</b>	—	—	—	—	—	<b>573</b>
Nevada Cogen Assoc # 2 (Black Mtn. C).....	—	—	44,457	—	—	—	—	—	573
<b>Nevada Sun-Peak Ltd Partners</b> .....	—	<b>32,440</b>	—	—	—	—	—	<b>92</b>	—
Nevada Sun-Peak Project.....	—	32,440	—	—	—	—	—	92	—
<b>Newark Bay Cogen Part LP</b> .....	—	—	<b>63,605</b>	—	—	—	—	—	<b>554</b>
Newark Bay Cogen Project.....	—	—	63,605	—	—	—	—	—	554
<b>Norcon Power Partners LP</b> .....	—	—	<b>49,340</b>	—	—	—	—	—	<b>476</b>
Norcon Facility.....	—	—	49,340	—	—	—	—	—	476
<b>North Jersey Assoc L P</b> .....	—	—	<b>144,670</b>	—	—	—	—	—	<b>1,593</b>
Sayreville Cogen Facility.....	—	—	144,670	—	—	—	—	—	1,593
<b>Northampton Generating Co L P</b> .....	<b>72,639</b>	—	—	—	—	—	<b>63</b>	—	—
Northampton Generating Co LP.....	72,639	—	—	—	—	—	63	—	—
<b>Northeast Energy Assoc L P</b> .....	—	—	<b>155,868</b>	—	—	—	—	—	<b>1,706</b>
Bellingham Cogen Facility.....	—	—	155,868	—	—	—	—	—	1,706
<b>Northeastern Power Co</b> .....	<b>33,676</b>	—	—	—	—	—	<b>47</b>	—	—
Kline Township Cogen Facility.....	33,676	—	—	—	—	—	47	—	—
<b>Northlake Energy</b> .....	—	—	<b>27,623</b>	—	—	—	—	—	<b>4,933</b>
5 AC Station.....	—	—	27,623	—	—	—	—	—	4,933
<b>NE MD Waste Disposal Auth.</b> .....	—	—	—	—	—	<b>26,681</b>	—	—	—
Montgomery County Resource Recovery.....	—	—	—	—	—	26,681	—	—	—
<b>NRG</b> .....	—	<b>5,298</b>	<b>203,768</b>	—	—	—	—	<b>14</b>	<b>2,107</b>
Arthur Kill.....	—	—	182,646	—	—	—	—	—	1,791
Astoria.....	—	5,298	21,122	—	—	—	—	14	316
<b>NRG Energy Inc</b> .....	<b>671,312</b>	<b>1,500</b>	—	—	—	—	<b>265</b>	<b>3</b>	—
CR Huntley.....	354,993	700	—	—	—	—	146	2	—
Dunkirk.....	316,319	800	—	—	—	—	119	2	—
<b>NRG Generating Newark</b> .....	—	—	<b>24,318</b>	—	—	—	—	—	<b>329</b>
NRG Generating (Newark)Cogen.....	—	—	24,318	—	—	—	—	—	329
<b>NRG Generating Newark Cog</b> .....	—	—	<b>27,792</b>	—	—	—	—	—	<b>366</b>
NRG Generating (Parlin) Cogen.....	—	—	27,792	—	—	—	—	—	366
<b>Occidental Chemical Corp</b> .....	—	—	<b>207,682</b>	—	—	—	—	—	<b>1,840</b>
Houston Chemical Complex Battlegrou.....	—	—	143,357	—	—	—	—	—	1,231
Deer Park Plant.....	—	—	64,325	—	—	—	—	—	610
<b>Ocean State Power Co</b> .....	—	—	<b>111,316</b>	—	—	—	—	—	<b>984</b>
Ocean State Power.....	—	—	111,316	—	—	—	—	—	984
<b>Ocean State Power II</b> .....	—	—	<b>114,000</b>	—	—	—	—	—	<b>1,006</b>
Ocean State Power II.....	—	—	114,000	—	—	—	—	—	1,006
<b>Ogden Energy Group Inc</b> .....	—	—	—	—	—	<b>46,956</b>	—	—	—
I-95 Energy/Resource Recovery Facil.....	—	—	—	—	—	46,956	—	—	—
<b>Okeelanta Power LP</b> .....	—	—	—	—	—	<b>31,546</b>	—	—	—
Okeelanta Power LP.....	—	—	—	—	—	31,546	—	—	—
<b>Oneida County Industl Dev Agcy</b> .....	—	—	—	—	—	—	—	—	—
Sterling Energy Facility.....	—	—	—	—	—	—	—	—	—
<b>Orange Cogeneration LP</b> .....	—	—	<b>25,198</b>	—	—	—	—	—	<b>235</b>
Orange Cogen Facility.....	—	—	25,198	—	—	—	—	—	235
<b>Orlando CoGen Ltd LP</b> .....	—	—	<b>74,184</b>	—	—	—	—	—	<b>584</b>
Orlando CoGen LP.....	—	—	74,184	—	—	—	—	—	584
<b>Oxbow Geothermal Corp</b> .....	—	—	—	—	—	<b>42,900</b>	—	—	—
Oxbow Geothermal Corp - Dixi.....	—	—	—	—	—	42,900	—	—	—
<b>Oxbow Power N Tonawanda NY Inc</b> .....	—	—	<b>17,913</b>	—	—	—	—	—	<b>212</b>
Oxbow Power of North Tonawanda New.....	—	—	17,913	—	—	—	—	—	212

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Oyster Creek Ltd.</b> .....	—	—	<b>246,154</b>	—	—	—	—	—	<b>2,374</b>
Oyster Creek Unit VIII.....	—	—	246,154	—	—	—	—	—	2,374
<b>Panda Brandywine LP</b> .....	—	—	<b>32,460</b>	—	—	—	—	—	<b>403</b>
Panda Brandywine LP.....	—	—	32,460	—	—	—	—	—	403
<b>Panda Rosemary LP</b> .....	—	—	<b>8,773</b>	—	—	—	—	—	<b>85</b>
Panda-Rosemary LP.....	—	—	8,773	—	—	—	—	—	85
<b>Panther Creek Partners</b> .....	<b>39,555</b>	—	—	—	—	—	<b>33</b>	—	—
Panther Creek Energy Facility.....	39,555	—	—	—	—	—	33	—	—
<b>Pasco Cogen Ltd.</b> .....	—	—	<b>39,172</b>	—	—	—	—	—	<b>385</b>
Pasco Cogen Limited.....	—	—	39,172	—	—	—	—	—	385
<b>Pawtucket Power Associates LP</b> .....	—	—	<b>32,639</b>	—	—	—	—	—	<b>295</b>
Pawtucket Power Associates.....	—	—	32,639	—	—	—	—	—	295
<b>Pedricktown Cogeneration LP</b> .....	—	—	<b>26,192</b>	—	—	—	—	—	<b>297</b>
Pedricktown Cogen Plant.....	—	—	26,192	—	—	—	—	—	297
<b>Phelps Dodge Corp.</b> .....	—	—	<b>10,156</b>	—	—	—	—	—	<b>141</b>
Chino Mines Co.....	—	—	10,156	—	—	—	—	—	141
<b>Pinellas Cnty Dpt Solid Wst Op.</b> .....	—	—	—	—	—	<b>27,936</b>	—	—	—
Pinellas County Resource Recovery.....	—	—	—	—	—	27,936	—	—	—
<b>Pittsfield Generating Co LP</b> .....	—	—	<b>61,483</b>	—	—	—	—	—	<b>829</b>
Pittsfield Generating Co L P.....	—	—	61,483	—	—	—	—	—	829
<b>Polk Power Partners LP</b> .....	—	—	<b>25,100</b>	—	—	—	—	—	<b>295</b>
Mulberry Cogen Facility.....	—	—	25,100	—	—	—	—	—	295
<b>Portside Energy Corporation</b> .....	—	—	<b>25,853</b>	—	—	—	—	—	<b>141</b>
Portside Energy.....	—	—	25,853	—	—	—	—	—	141
<b>Potlatch Corp.</b> .....	—	—	—	—	—	<b>48,900</b>	—	—	—
Potlatch Corp Idaho Pulp & Paper Bo.....	—	—	—	—	—	48,900	—	—	—
<b>Power City Partners LP</b> .....	—	—	—	—	—	—	—	—	—
Massena Energy Facility.....	—	—	—	—	—	—	—	—	—
<b>PowerSmith Cogeneratn Proj LP</b> .....	—	—	<b>49,657</b>	—	—	—	—	—	<b>633</b>
PowerSmith Cogen Project.....	—	—	49,657	—	—	—	—	—	633
<b>Prime Energy LP</b> .....	—	<b>113</b>	<b>34,073</b>	—	—	—	—	*	<b>414</b>
Prime Energy LP.....	—	113	34,073	—	—	—	—	*	414
<b>Procter &amp; Gamble Co.</b> .....	—	—	<b>31,501</b>	—	—	—	—	—	<b>443</b>
Oxnard.....	—	—	31,501	—	—	—	—	—	443
<b>Project Orange Associates LP</b> .....	—	—	<b>32,448</b>	—	—	—	—	—	<b>328</b>
Project Orange Associates LP.....	—	—	32,448	—	—	—	—	—	328
<b>PH Glatfelter Co.</b> .....	<b>35,561</b>	—	—	—	—	<b>17,389</b>	<b>25</b>	—	—
P H Glatfelter Co.....	35,561	—	—	—	—	17,389	25	—	—
<b>PMCC Leasing Corp.</b> .....	—	—	—	—	—	<b>37,061</b>	—	—	—
Greater Detroit Resource Recovery F.....	—	—	—	—	—	37,061	—	—	—
<b>POSDEF Power Company L P</b> .....	<b>26,691</b>	—	—	—	—	—	<b>14</b>	—	—
Port of Stockton District Energy Fa.....	26,691	—	—	—	—	—	14	—	—
<b>PPG Industries Inc</b> .....	<b>73,800</b>	—	<b>277,241</b>	—	—	—	<b>39</b>	—	<b>3,287</b>
Powerhouse A.....	—	—	6,276	—	—	—	—	—	223
PPG - Riverside.....	—	—	57,553	—	—	—	—	—	645
PPG- Powerhouse C.....	—	—	213,412	—	—	—	—	—	2,419
Natrium Plant.....	73,800	—	—	—	—	—	39	—	—
<b>R J Reynolds Tobacco Co</b> .....	<b>45,285</b>	—	—	—	—	—	<b>22</b>	*	—
Tobaccoville Utility Plant.....	45,285	—	—	—	—	—	22	*	—
<b>Reliant Energy</b> .....	—	—	<b>925,742</b>	—	—	—	—	—	<b>9,377</b>

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Reliant Energy</b>									
Reliant Energy Coolwater LLC.....	—	—	201,261	—	—	—	—	—	2,589
Reliant Energy Etiwanda LLC.....	—	—	217,671	—	—	—	—	—	2,175
Reliant Energy Mandalay LLC.....	—	—	223,732	—	—	—	—	—	1,942
Ormond Beach Power Generation L.L.C.....	—	—	282,085	—	—	—	—	—	2,647
Reliant Energy Ellwood LLC.....	—	—	993	—	—	—	—	—	24
<b>Ridgetop Energy LLC</b> .....	—	—	—	—	—	<b>7,027</b>	—	—	—
Cannon Energy Corp.....	—	—	—	—	—	7,027	—	—	—
<b>Ridgetop Energy LLC II</b> .....	—	—	—	—	—	<b>2,272</b>	—	—	—
Canvest Partners I.....	—	—	—	—	—	2,272	—	—	—
<b>Riverwood International Corp</b> .....	—	—	—	—	—	<b>25,487</b>	—	—	—
Plant 31 (Paper Mill).....	—	—	—	—	—	25,487	—	—	—
<b>Roseburg Forest Products Co</b> .....	—	—	<b>66</b>	—	—	<b>8,359</b>	—	—	<b>25</b>
Dillard Complex.....	—	—	66	—	—	8,359	—	—	25
<b>S D Warren Company</b> .....	<b>7,580</b>	<b>4,277</b>	—	—	—	<b>8,826</b>	<b>5</b>	<b>6</b>	—
S D Warren Co #2.....	7,580	4,277	—	—	—	8,826	5	6	—
<b>S&amp;L Cogeneration Co</b> .....	—	—	<b>27,634</b>	—	—	—	—	—	<b>356</b>
S & L Cogen.....	—	—	27,634	—	—	—	—	—	356
<b>Saguaro Power Co</b> .....	—	—	<b>48,213</b>	—	—	—	—	—	<b>591</b>
Saguaro Power Co.....	—	—	48,213	—	—	—	—	—	591
<b>Salton Sea Power Generatn LP 3</b> .....	—	—	—	—	—	<b>34,266</b>	—	—	—
Salton Sea Unit #3.....	—	—	—	—	—	34,266	—	—	—
<b>San Joaquin Cogen Ltd</b> .....	—	—	<b>30,518</b>	—	—	—	—	—	<b>280</b>
San Joaquin Cogen.....	—	—	30,518	—	—	—	—	—	280
<b>Saranac Power Partners LP</b> .....	—	—	<b>103,853</b>	—	—	—	—	—	<b>1,364</b>
Saranac Facility.....	—	—	103,853	—	—	—	—	—	1,364
<b>Schuylkill Energy Resource Inc</b> .....	<b>49,123</b>	—	—	—	—	—	<b>75</b>	—	—
St Nicholas Cogen Project.....	49,123	—	—	—	—	—	75	—	—
<b>Scrubgrass Generating Co LP</b> .....	<b>68,063</b>	—	—	—	—	—	<b>56</b>	—	—
Scrubgrass Generating Co LP.....	68,063	—	—	—	—	—	56	—	—
<b>Selkirk Cogen Partners LP</b> .....	—	—	<b>236,850</b>	—	—	—	—	—	<b>2,105</b>
Selkirk Cogen Partners LP.....	—	—	236,850	—	—	—	—	—	2,105
<b>Seneca Power Partners LP</b> .....	—	—	—	—	—	—	—	—	—
Seneca Power Partners LP.....	—	—	—	—	—	—	—	—	—
<b>Shawmut Bank Connecticut</b> .....	—	—	—	—	—	<b>47,337</b>	—	—	—
Delaware County Resource Recovery F.....	—	—	—	—	—	47,337	—	—	—
<b>Shell Oil Co</b> .....	—	—	<b>155,267</b>	—	—	—	—	—	<b>3,349</b>
Shell Deer Park.....	—	—	155,267	—	—	—	—	—	3,349
<b>Sithe Independence Pwr Part LP</b> .....	—	—	<b>374,469</b>	—	—	—	—	—	<b>4,124</b>
Sithe/Independence Station.....	—	—	374,469	—	—	—	—	—	4,124
<b>Sithe New England Holdings LLC</b> .....	—	<b>127,934</b>	<b>108,996</b>	—	—	—	—	<b>248</b>	<b>1,286</b>
Sithe Mystic.....	—	127,533	53,361	—	—	—	—	247	691
Sithe New Boston.....	—	40	55,635	—	—	—	—	*	596
Sithe Medway.....	—	361	—	—	—	—	—	1	—
<b>Solid Waste Auth ofPalm Beach</b> .....	—	—	—	—	—	<b>29,602</b>	—	—	—
North County Regional Resource Reco.....	—	—	—	—	—	29,602	—	—	—
<b>Solutia Inc</b> .....	—	—	<b>56,201</b>	—	—	—	—	—	<b>373</b>
Pensacola Florida Plant.....	—	—	56,201	—	—	—	—	—	373
<b>Southeast Paper Mfg Co Inc</b> .....	<b>11,580</b>	—	<b>15,690</b>	—	—	—	<b>5</b>	—	<b>220</b>
Southeast Paper Manufacturing Co In.....	11,580	—	15,690	—	—	—	5	—	220
<b>Southeastern Public Service Au</b> .....	—	—	—	—	—	<b>12,683</b>	—	—	—
Refuse Derived Fuel Power Plant.....	—	—	—	—	—	12,683	—	—	—

See footnotes at end of table.



**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Southern Energy Co</b> .....	—	<b>5,985</b>	<b>595,427</b>	—	—	—	—	<b>15</b>	<b>6,210</b>
Contra Costa Power Plant.....	—	—	258,001	—	—	—	—	—	2,604
Pittsburg Power Plant.....	—	—	247,491	—	—	—	—	—	2,677
Potrero Power Plant.....	—	5,985	89,934	—	—	—	—	15	929
<b>Southern Energy New England</b> .....	—	<b>319,816</b>	<b>8,224</b>	—	—	—	—	<b>481</b>	<b>174</b>
Kendall.....	—	1,542	8,224	—	—	—	—	5	174
Canal.....	—	318,274	—	—	—	—	—	475	—
<b>Southern Energy New York</b> .....	<b>155,760</b>	<b>15,431</b>	<b>257,842</b>	—	—	—	<b>65</b>	<b>26</b>	<b>2,694</b>
Bowline Point.....	—	15,431	242,849	—	—	—	—	26	2,536
Lovett.....	155,760	—	14,993	—	—	—	65	—	157
<b>St Laurent Paper Products Co</b> .....	<b>3,638</b>	<b>15,936</b>	—	—	—	<b>31,660</b>	<b>7</b>	<b>61</b>	—
St. Laurent Paper Products Corp.....	3,638	15,936	—	—	—	31,660	7	61	—
<b>Star Enterprises</b> .....	—	<b>33,017</b>	<b>10,228</b>	—	—	—	—	<b>37</b>	<b>361</b>
Delaware City Plant.....	—	33,017	10,228	—	—	—	—	37	361
<b>State Line Energy LLC</b> .....	<b>210,546</b>	—	—	—	—	—	<b>117</b>	—	—
State Line Energy LLC.....	210,546	—	—	—	—	—	117	—	—
<b>State St Bank Trust Co</b> .....	—	—	<b>537,601</b>	—	—	—	—	—	<b>6,037</b>
Midland Cogen Venture.....	—	—	537,601	—	—	—	—	—	6,037
<b>Stockton Cogen Co</b> .....	<b>32,113</b>	—	—	—	—	—	<b>10</b>	—	—
Stockton CoGen Co.....	32,113	—	—	—	—	—	10	—	—
<b>Stone Container Corp</b> .....	<b>45,294</b>	—	—	—	—	<b>55,873</b>	<b>13</b>	—	—
Stone Savannah River Pulp & Paper C.....	—	—	—	—	—	—	—	—	—
Stone Container Corp-Florenc.....	45,294	—	—	—	—	13,661	13	—	—
Hodge, Louisiana.....	—	—	—	—	—	42,212	—	—	—
<b>Sumas Cogeneration Co LP</b> .....	—	—	<b>65,504</b>	—	—	—	—	—	<b>742</b>
Sumas Cogen Co LP.....	—	—	65,504	—	—	—	—	—	742
<b>Sunnyside Cogeneration Assoc</b> .....	<b>36,736</b>	—	—	—	—	—	<b>42</b>	—	—
Sunnyside Cogen Associates.....	36,736	—	—	—	—	—	42	—	—
<b>Sweeny Cogeneration LP</b> .....	—	—	<b>214,201</b>	—	—	—	—	—	<b>2,580</b>
Sweeny Cogen Facility.....	—	—	214,201	—	—	—	—	—	2,580
<b>Sycamore Cogeneration Co</b> .....	—	—	<b>222,241</b>	—	—	—	—	—	<b>2,579</b>
Sycamore Cogen Co.....	—	—	222,241	—	—	—	—	—	2,579
<b>SAPPI</b> .....	—	<b>34,622</b>	—	—	—	<b>39,892</b>	—	<b>72</b>	—
Somerset Plant.....	—	34,622	—	—	—	39,892	—	72	—
<b>SEMASS Partnership</b> .....	—	—	—	—	—	<b>41,885</b>	—	—	—
SEMASS Resource Recovery Facility.....	—	—	—	—	—	41,885	—	—	—
<b>Temple Inland Forest Prod Corp</b> .....	—	—	—	—	—	<b>47,349</b>	—	—	—
Temple-Inland Forest Prod Corp-Blea.....	—	—	—	—	—	47,349	—	—	—
<b>Tenaska III Inc</b> .....	—	<b>36</b>	—	—	—	—	—	*	—
Tenaska III Texas Partners.....	—	36	—	—	—	—	—	*	—
<b>Tenaska IV Texas Partners Ltd</b> .....	—	—	—	—	—	—	—	—	—
Tenaska IV Texas Partners Ltd (Cleb.....	—	—	—	—	—	—	—	—	—
<b>Tenaska Washington Partners</b> .....	—	<b>67</b>	<b>162,474</b>	—	—	—	—	*	<b>1,324</b>
Tenaska Washington Partners LP.....	—	67	162,474	—	—	—	—	*	1,324
<b>Tennessee Eastman Division</b> .....	<b>105,331</b>	—	—	—	—	—	<b>128</b>	—	—
Tenn Eastman Division.....	105,331	—	—	—	—	—	128	—	—
<b>The Dow Chemical Company</b> .....	—	—	<b>551,763</b>	—	—	—	—	—	<b>5,841</b>
The Dow Chemical Co Texas Oper.....	—	—	551,763	—	—	—	—	—	5,841
<b>Thermo Cogeneration Partner LP</b> .....	—	—	<b>108,186</b>	—	—	—	—	—	<b>948</b>
Thermo Cogen Partnership LP.....	—	—	48,401	—	—	—	—	—	424
Thermo Cogen Partnership LP.....	—	—	59,785	—	—	—	—	—	524

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Thermo Power &amp; Electric Inc</b> .....	—	—	<b>48,577</b>	—	—	—	—	—	<b>336</b>
Thermo Power & Electric Inc .....	—	—	48,577	—	—	—	—	—	336
<b>Tosco Corporation</b> .....	—	—	<b>71,944</b>	—	—	—	—	—	<b>791</b>
Tosco Refining Co .....	—	—	31,024	—	—	—	—	—	419
Los Angeles Refinery Wilmington Pl .....	—	—	40,920	—	—	—	—	—	372
<b>Trigen Nassau Energy Corp</b> .....	—	—	<b>30,096</b>	—	—	—	—	—	<b>363</b>
Trigen-Nassau Energy Corp.....	—	—	30,096	—	—	—	—	—	363
<b>Trigen Philadelphia Engy Corp</b> .....	—	—	—	—	—	—	—	—	—
Schuylkill Station (Turbine Generat.....)	—	—	—	—	—	—	—	—	—
<b>TES Filer City Station LP</b> .....	<b>38,802</b>	—	—	—	—	—	<b>18</b>	—	—
TES Filer City Station .....	38,802	—	—	—	—	—	18	—	—
<b>U S Trust Com of California</b> .....	<b>32,394</b>	—	—	—	—	—	<b>54</b>	—	—
Argus Cogen Plant .....	32,394	—	—	—	—	—	54	—	—
<b>Union Camp Corp</b> .....	<b>4,138</b>	<b>1,409</b>	<b>14,960</b>	—	—	<b>146,479</b>	<b>7</b>	<b>6</b>	<b>193</b>
Union Camp Corp - Savannah.....	—	—	—	—	—	87,031	—	—	—
Union Camp Corp - Prattville .....	—	—	—	—	—	44,150	—	—	—
Eastover Facility.....	—	—	—	—	—	1,617	—	—	—
Franklin Fine Paper Division.....	4,138	1,409	14,960	—	—	13,681	7	6	193
<b>Union Carbide Corp</b> .....	—	—	<b>66,077</b>	—	—	—	—	—	<b>649</b>
Seadrift Plant Union Carbide Corp .....	—	—	66,077	—	—	—	—	—	649
<b>Union Carbide Corporation</b> .....	—	—	<b>178,751</b>	—	—	—	—	—	<b>2,553</b>
Taft Plant Union Carbide Corp .....	—	—	155,709	—	—	—	—	—	1,889
Texas City Plant Union Carbide Corp .....	—	—	23,042	—	—	—	—	—	665
<b>University of Missouri</b> .....	<b>9,225</b>	—	—	—	—	—	<b>11</b>	—	—
University of Missouri-Columbia Pow.....	9,225	—	—	—	—	—	11	—	—
<b>University of Texas at Austin</b> .....	—	—	<b>38,071</b>	—	—	—	—	—	<b>266</b>
University of Texas at Austin.....	—	—	38,071	—	—	—	—	—	266
<b>UAE Lowell Power LLC</b> .....	—	—	<b>6,630</b>	—	—	—	—	—	<b>71</b>
L'Energia Limited Partnership.....	—	—	6,630	—	—	—	—	—	71
<b>US Steel Gary Works</b> .....	—	<b>400</b>	<b>92,024</b>	—	—	—	—	<b>1</b>	<b>8,381</b>
US Gary Works.....	—	400	92,024	—	—	—	—	1	8,381
<b>USGen New England Inc</b> .....	<b>815,211</b>	<b>116,861</b>	<b>220,030</b>	—	—	—	<b>323</b>	<b>195</b>	<b>1,757</b>
Brayton PT .....	649,950	12,074	30,383	—	—	—	247	34	306
Salem Harbor.....	165,261	102,937	—	—	—	—	76	156	—
Manchester Street .....	—	1,850	189,647	—	—	—	—	6	1,450
<b>USX Corp</b> .....	—	—	<b>64,943</b>	—	—	—	—	—	<b>858</b>
Fairfield Works.....	—	—	27,167	—	—	—	—	—	293
Mon Valley Works.....	—	—	37,776	—	—	—	—	—	565
<b>Valero Refining Co</b> .....	—	<b>252</b>	<b>26,568</b>	—	—	—	—	—	<b>360</b>
Valero Refinery .....	—	252	26,568	—	—	—	—	—	360
<b>Valero Refining Co New Jersey</b> .....	—	<b>144</b>	<b>13,199</b>	—	—	—	—	<b>2</b>	<b>854</b>
Paulsboro Refinery .....	—	144	13,199	—	—	—	—	2	854
<b>Vineland Cogeneration LP</b> .....	—	—	<b>6,898</b>	—	—	—	—	—	<b>69</b>
Vineland Cogen Plant .....	—	—	6,898	—	—	—	—	—	69
<b>Vulcan Materials Co</b> .....	—	—	<b>59,071</b>	—	—	—	—	—	<b>837</b>
Geismar Plant .....	—	—	59,071	—	—	—	—	—	837
<b>Weirton Steel Corp</b> .....	—	—	<b>11,252</b>	—	—	—	—	—	<b>5,113</b>
Weirton Steel Corp.....	—	—	11,252	—	—	—	—	—	5,113
<b>Westchester County IDA</b> .....	—	—	—	—	—	<b>31,442</b>	—	—	—
Westchester Resco.....	—	—	—	—	—	31,442	—	—	—
<b>Westmoreland LG&amp;E Partners</b> .....	<b>124,442</b>	—	—	—	—	—	<b>44</b>	—	—
Westmoreland - LG&E Partners Roanok.....	90,089	—	—	—	—	—	31	—	—
Westmoreland - LG&E Partners - Roan .....	34,353	—	—	—	—	—	13	—	—

See footnotes at end of table.

**Table 74. U.S. Electric Nonutility Net Generation and Fuel Consumption, by Owner and Facility, September 1999 (Continued)**

Company (Holding Company) Facility (State)	Generation (thousand kilowatthours)						Consumption (thousand)		
	Coal	Petroleum	Gas	Hydro	Nuclear	Other	Coal (short tons)	Petroleum (bbls)	Gas (Mcf)
<b>Westvaco Corp</b> .....	—	—	—	—	—	<b>78,706</b>	—	—	—
Luke Mill.....	—	—	—	—	—	37,777	—	—	—
Covington Facility.....	—	—	—	—	—	40,929	—	—	—
<b>Weyerhaeuser Co</b> .....	<b>33,807</b>	—	—	—	—	<b>102,212</b>	<b>18</b>	—	—
Columbus MS.....	—	—	—	—	—	55,566	—	—	—
Longview WA.....	—	—	—	—	—	20,705	—	—	—
Plymouth NC.....	33,807	—	—	—	—	18,148	18	—	—
Valliant OK.....	—	—	—	—	—	7,793	—	—	—
<b>Wheelabrator Environmental Sys</b> .....	—	—	—	—	—	<b>181,025</b>	—	—	—
Baltimore Refuse Energy Systems Co.....	—	—	—	—	—	17,965	—	—	—
Saugus Resco.....	—	—	—	—	—	21,042	—	—	—
Wheelabrator Shasta.....	—	—	—	—	—	34,048	—	—	—
Bridgeport Resco.....	—	—	—	—	—	41,547	—	—	—
Wheelabrator South Broward.....	—	—	—	—	—	31,671	—	—	—
Wheelabrator North Broward.....	—	—	—	—	—	34,752	—	—	—
<b>Wheelabrator Falls Inc</b> .....	—	—	—	—	—	<b>23,853</b>	—	—	—
Wheelabrator Falls Inc.....	—	—	—	—	—	23,853	—	—	—
<b>Wichita Falls Energy Co Ltd</b> .....	—	—	<b>25,048</b>	—	—	—	—	—	<b>268</b>
Wichita Falls Energy Co LTD.....	—	—	25,048	—	—	—	—	—	268
<b>Willamette Industries Inc</b> .....	<b>3,961</b>	<b>450</b>	<b>32,438</b>	—	—	<b>15,900</b>	<b>11</b>	<b>1</b>	<b>335</b>
Johnsonburg Mill.....	3,961	450	2,771	—	—	15,900	11	1	35
Albany Paper Mill.....	—	—	29,667	—	—	—	—	—	300
<b>Williams Field Services</b> .....	—	—	<b>37,899</b>	—	—	—	—	—	<b>527</b>
Milagro Cogen Plant.....	—	—	37,899	—	—	—	—	—	527
<b>Windpower Partners 1989 LP</b> .....	—	—	—	—	—	<b>13,281</b>	—	—	—
Montezuma Hills Windplant.....	—	—	—	—	—	13,281	—	—	—
<b>Wisvest Connecticut LLC</b> .....	—	<b>239,218</b>	—	—	—	—	—	<b>386</b>	—
Bridgeport Station #.....	—	95,857	—	—	—	—	—	171	—
New Haven Harbor.....	—	143,361	—	—	—	—	—	214	—
<b>Yellowstone Energy LP</b> .....	—	<b>36,932</b>	<b>75</b>	—	—	—	—	—	<b>1</b>
Yellowstone Energy Ltd Partnership.....	—	36,932	75	—	—	—	—	—	1
<b>York Cogen Facility</b> .....	—	—	<b>5,916</b>	—	—	—	—	—	<b>69</b>
York Cogen Facility.....	—	—	5,916	—	—	—	—	—	69
<b>Yuma Cogeneration Associates</b> .....	—	—	<b>27,054</b>	—	—	—	—	—	<b>345</b>
Yuma Cogen Associates.....	—	—	27,054	—	—	—	—	—	345
<b>Zinc Corp of America</b> .....	<b>49,282</b>	—	—	—	—	—	<b>22</b>	—	—
GF Weaton Power Station.....	49,282	—	—	—	—	—	22	—	—
<b>Zond Systems Inc</b> .....	—	—	—	—	—	<b>9,563</b>	—	—	—
Sky River Partnership.....	—	—	—	—	—	9,563	—	—	—

\* Less than 0.05.

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

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

## Appendix A

# General Information

### Articles

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

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

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

## Electric Power Monthly Data Guide

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

# Bibliography

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## Appendix B

# Major Disturbances and Unusual Occurrences

This discussion was prepared for publication in the *Electric Power Monthly* by the Office of Energy Emergency Management (under the Office of Non-proliferation and National Security).

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

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

In general, the incidents to be reported are grouped into two categories: (1) mandatory in all cases; and (2) mandatory if the incident meets specified criteria, where the utility involved is permitted to exercise some judgment as to whether the criteria have been met. Underlying the formulation of the reporting criteria, requirements, and procedures was the need for the Federal Government to be aware of potentially dangerous situations, tempered by the desire to minimize burdens on the reporting utilities. Another consideration in the development of the rules was the benefit gained from knowledge of the causes and effects of undesired events that may have been caused by unforeseen system defects or by purposeful adverse actions to system design and operation. The final rules reflect modification of the preliminary rules, as published in the *Federal Register*, based on comments from the electric power industry and the general public.

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

system, a utility, due to any equipment failure/system operational action or event, (1) initiates a system voltage reduction of 3 percent or more, (2) disconnects circuits supplying over 100 megawatts of firm customer load, (3) issues an appeal to the public for a voluntary reduction in the use of electricity, or (4) has existing or anticipated fuel supply emergency situations requiring abnormal use of a particular fuel with the potential to reduce supply or stocks if needed to maintain reliable electric service. A report is also mandatory in regard to any actual or suspected act of sabotage or terrorism directed at the bulk power supply system.

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

The DOE is concerned that the operation of the bulk power system in the United States shall be as trouble free as possible. To that end, information is collected, as discussed above, regarding major disturbances to the normal functioning of that system. Events, such as damage to some local distribution circuits by storms or other uncontrollable events, while annoying to the customers affected, do not greatly affect the supply of bulk power to the system as a whole. These events are more properly the concern of local and State authorities. By collecting data on major incidents, the Department is able to monitor the bulk power supply and provide a focus on those matters that may need investigation.

Suggestions regarding the reporting requirements, regulations, procedures, or any other phase of the Power System Emergency Reporting elements are welcomed. Comments can be addressed to the Office of Energy Emergency Operations (NN-63), Department of Energy, 1000 Independence Avenue, SW, Washington, DC 20585.

**Table B1. Major Disturbances and Unusual Occurrences, 1999**

Date	Utility/Power Pool (NERC Council)	Time	Area	Type of Disturbance	Loss (megawatts)	Number of Customers Affected	Restoration Time
1/02/99	Duke Power Co. (SERC)	4:00 p.m.	Charlotte, NC	Ice Storm	900	240,000	6:00 p.m. Jan 6
1/14/99	Potomac Electric Power Co. (MAAC)	7:29 p.m.	Washington, DC	Ice Storm	900	233,000	9:00 p.m. Jan 20
1/14/99	Baltimore Gas & Electric (MAAC)	8:00 p.m.	Suburban MD	Ice Storm	NA	350,000	9:00 p.m. Jan 18
1/16/99	Virginia Electric Power Co. (SERC)	1.46 a.m.	Northern VA	Ice Storm	NA	291,000	5:00 p.m. Jan 17
1/17/99	Tennessee Valley Authority (SERC)	7:00 p.m.	Western TN	Severe Storms	50	50,000	4:00 p.m. Jan 20
1/17/99	Potomac Electric Power Co. (MAAC)	4:12 p.m.	Norbeck Substation	Equipment Failure	90	70,000	5:46 a.m. Jan 18
1/29/99	Southwestern Public Service Co. (ERCOT)	NA	Arillo, TX	Ice Storm	NA	50,000	Feb. 2
3/03/99	Western Area Power Administration (WSCC)	11:41a.m.	WSCC	Equipment Failure	0	0	12:10 p.m.
5/03/99	Western Resources (SPP)	3:30 p.m.	Kansas City	Severe Storms	300	51,000	6:00 p.m. May 12
5/10/99	Reliant Energy (Houston L&P) (ERCOT)	5:00 a.m.	Houston, TX	Severe Storms	1,400	300,000	5:00 a.m. May 13
5/17/99	Consumers Energy (ECAR)	5:00 p.m.	Michigan	Severe Storms	150	145,000	9:00 a.m. May 17
6/07/99	ISO-New England (NPCC)	10:00 a.m.	New England Control Area	Voltage Reduction	21,900	All New England Customers	10:00 p.m. June 7
6/08/99	Central Hudson G& E (NPCC)	10:10 a.m.	Central Hudson System	Voltage Reduction	NA	NA	NA
6/08/99	New York Power Pool (NPCC)	10:10 a.m.	New York State	Voltage Reduction	82	NA	6:46 p.m. June 8
6/08/99	New York Power Pool (NPCC)	12:24 a.m.	New York State	Weather	153	NA	6:46 p.m. June 8
6/08/99	Consolidated Edison (NPCC)	9:41 a.m.	Consolidated Edison System	Weather	128	All Consolidated Edison Customers	5:00 p.m. June 8
7/05/99	Keyspan Energy (NYPP)	12:19 a.m.	Suffolk County, NY	Voltage Reduction	NA	NA	1:10 a.m. July 6
7/06/99	ISO-New England (NPCC)	NA	New England Control Area	Voltage Reduction	1,000 MW	NA	NA
7/06/99	Consolidated Edison (NPCC)	1:22 p.m.	New York State	Voltage Reduction	NA	NA	10:05 p.m. July 6
7/06/99	PJM (MAAC)	1:58 p.m.	PJM System	Voltage Reduction	NA	9,493,648	6:00 p.m. July 6
7/06/99	NPCC (NPCC)	NA	NA	Voltage Reduction	NA	NA	NA



**Table B1. Major Disturbances and Unusual Occurrences, 1999 (Continued)**

Date	Utility/Power Pool (NERC Council)	Time	Area	Type of Disturbance	Loss (megawatts)	Number of Customers Affected	Restoration Time
7/06/99	GPU (MAAC)	NA	Reading, PA	Equipment Failure	NA	NA	NA
7/06/99	Consolidated Edison (NPCC)	10:11 p.m.	Manhattan	Firm Load Shedding	NA	69,000	5:05 p.m. July 7
7/06/00	Connectiv (MAAC)	10:36 a.m.	Delmarva Peninsula	Firm Load Shedding	120	47,000	NA
7/09/00	Connectiv (MAAC)	2:00 p.m.	Virginia	Firm Load Shedding	12	6,900	7:37 p.m. July 9
7/19/99	Consolidate Edison (NPCC)	12:56 p.m.	New York State	Public Appeal	NA	NA	NA
7/23/99	Entergy (SPP)	2:42 p.m.	Entergy	Firm Load Shedding	900	557,000	5:00 p.m. July 23
7/23/99	Alliant (MAIN)	1:14 p.m.	East Control Area	Equipment Failure	125	68	3:20 p.m. July 23
7/23/99	Detroit Edison (ECAR)	4:00 p.m.	Entire Service Area	Severe Storms	1,700	219,000	11:59 p.m. July 28
7/24/99	Detroit Edison (ECAR)	4:00 p.m.	Entire Service Area	Severe Storms	1,000	180,000	11:59 p.m. July 28
7/24/99	Virginia Electric Power (SERC)	2:15 p.m.	Entire Service Area	Public Appeal	NA	100,000	NA
7/26/99	American Elec Power (ECAR)	9:17 a.m.	American Electric Power	Public Appeal	NA	NA	5:00 p.m. July 26
7/26/99	Entergy (SPP)	NA	Entergy	Public Appeal	NA	NA	NA
7/26/99	Cinergy (ECAR)	7:00 p.m.	Cinergy Service Area	Public Appeal	300	NA	NA
7/29/99	Cinergy (ECAR)	5:00 p.m.	Cinergy Service Area	Public Appeal	300	NA	NA
7/29/99	Keyspan Energy (NYPP)	9:43 a.m.	Long Island, NY	Public Appeal	NA	NA	NA
7/29/99	Detroit Edison (ECAR)	12:00 p.m.	Entire Service Area	Public Appeal	NA	NA	NA
7/30/99	Detroit Edison (ECAR)	12:00 p.m.	Entire Service Area	Public Appeal	NA	NA	9:00 p.m. July 30
7/30/99	American Electric Power (ECAR)	1:00 p.m.	Western Ohio and Eastern Indiana	Public Appeal	NA	NA	6:00 p.m. July 30
7/30/99	Cinergy (ECAR)	7:00 p.m.	Cinergy Service Area	Public Appeal	500	NA	9:00 p.m. July 30
7/31/99	Detroit Edison (ECAR)	3:00 p.m.	Entire Service Area	Severe Storms	2,000	191,000	11:59 p.m. Aug. 3
8/24/99	Public Service of Colorado (WSCC)	6:19 a.m.	Golden, Colorado	Equipment Failure	425	163,000	6:59 a.m. Aug. 24
8/31/99	Reliant Energy (ECROT)	5:00 p.m.	Houston, TX	Thunderstorms	NA	176,000	7:30 a.m. Sept. 1
8/31/99	Pacific Gas & Electric Company (WSEC)	10:49 a.m.	Entire Service Area	Equipment Failure	470	257,718	12:16 p.m. Aug. 31

**Table B1. Major Disturbances and Unusual Occurrences, 1999 (Continued)**

Date	Utility/Power Pool (NERC Council)	Time	Area	Type of Disturbance	Loss (megawatts)	Number of Customers Affected	Restoration Time
9/15/99	Carolina Power & Light (SERC)	3:00 p.m.	Eastern North Carolina and Northern South Carolina	Severe Storm	2,600	537,000	5:00 p.m. Sept. 1
9/18/99	Orange & Rockland Utilities (NPCC)	10:00 p.m.	New York	Severe Storm	200	100,000	5:30 p.m. Sept. 19

Source: Emergency Operations Center, Form EIA-417R, "Electric Power System Emergency Report."

## Appendix C

# 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 Power Plant Report," the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," the Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," the Form EIA-861, "Annual Electric Utility Report," the Form EIA-860A, "Annual Electric Generator Report-Utility," and the Form EIA-860B, "Annual Electric Generator Report-Nonutility."

### 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 50 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. In January 1996, 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. In January 1999, the Form EIA-759 was changed to collect data for a cutoff sample of plants with a nameplate capacity of 50 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 auxiliary 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 Power Plant 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. The Form EIA-900 currently 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.

**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-860A 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-860A 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-860A 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-860A 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-860B**

The Form EIA-860B 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-860B 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-860B 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-860B 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-860B 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-860B 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 kilowatt-hour 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 kilowatt-hour), 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-kilowatt-hour value is estimated to be 5.13 cents per kilowatt-hour 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 kilowatt-hour is within approximately 1.6 percent of 5.13 cents per kilowatt-hour (that is, between 5.05 and 5.21 cents per kilowatt-hour). 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

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

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

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

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.  $\gamma$  is taken to be  $1/2$  (see (Knaub, 5)), although more research (Knaub, 9) could refine this. For the Form EIA-826,  $\gamma = 1/2$  has certainly been shown to be adequate (see (Knaub, 5), page 878, Table 1). The variance formula for  $V_d$  found in (Royall and Cumberland, 7 and 8) performs well for sales and for revenue. For revenue per kilowatt-hour, 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 kilowatt-hour are calculated as supported by (Hansen,

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

As a final adjustment based on our most complete data, use is made of final Form EIA-861 data, when available. The annual totals for Form EIA-826 data by State and end-use sector are compared to the corresponding Form EIA-861 values for sales and revenue. The ratio of these two values in each case is then used to adjust each corresponding monthly value.

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.

A 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  $\Sigma$  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 (resi-  
dential, 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 con-  
sumer—which, in turn, determines whether or not the  
tax is included in the operating revenue of the electric  
utility.

## Form EIA-860A

Data from the Form EIA-860A 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-860B

Gross electricity generation data from the Form EIA-860B, 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-860B, 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-860B. 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 <sup>a</sup>
Internal Combustion . . . . .	.98
Wind Turbine . . . . .	.99
Solar-Photovoltaic . . . . .	.99
Hydraulic Turbine . . . . .	.99
Fuel Cell . . . . .	.99
Other . . . . .	.97

<sup>a</sup>Factor 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 C1) collected on the FERC Form 423 were used to convert the consumption data from the Form EIA-759 into Btu. Respondents to FERC Form 423 represent a subset of all generating plants (steam plants with a capacity of 50 megawatts or larger), while Form EIA-759 respondents 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 C2). 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-860A, "Annual Electric Generator Report - Utility," and Form 860B "Annual Electric Generator Report - Nonutility."

### **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 C1. Average Heat Content of Fossil-Fuel Receipts, August 1999**

Census Division and State	Coal <sup>1</sup> (Btu per ton)	Petroleum <sup>1</sup> (Btu per barrel)	Gas <sup>1</sup> (Btu per thousand cubic feet)
<b>New England</b> .....	<b>25,966,285</b>	<b>6,411,700</b>	<b>1,026,644</b>
Connecticut.....	—	6,402,947	1,027,808
Maine.....	—	—	—
Massachusetts.....	25,985,976	5,787,600	1,026,265
New Hampshire.....	25,958,248	6,473,641	1,030,000
Rhode Island.....	—	—	—
Vermont.....	—	—	1,012,000
<b>Middle Atlantic</b> .....	<b>25,445,256</b>	<b>6,358,504</b>	<b>1,022,012</b>
New Jersey.....	26,701,306	6,077,552	1,028,531
New York.....	26,200,300	6,380,485	1,019,797
Pennsylvania.....	25,334,782	6,374,057	1,033,303
<b>East North Central</b> .....	<b>21,185,144</b>	<b>6,154,312</b>	<b>829,196</b>
Illinois.....	19,236,302	6,212,105	1,021,831
Indiana.....	21,512,832	5,768,640	1,026,219
Michigan.....	20,880,916	6,335,460	<sup>a</sup> 648,735
Ohio.....	23,787,846	5,782,417	1,028,543
Wisconsin.....	18,584,213	5,880,000	1,012,742
<b>West North Central</b> .....	<b>16,769,934</b>	<b>5,849,437</b>	<b>1,001,624</b>
Iowa.....	17,312,396	5,866,655	1,006,718
Kansas.....	17,322,882	5,848,129	1,001,051
Minnesota.....	17,765,596	5,789,218	1,006,940
Missouri.....	17,997,038	5,754,000	1,002,592
Nebraska.....	17,032,102	5,801,880	994,391
North Dakota.....	12,938,910	5,873,160	—
South Dakota.....	17,268,552	—	—
<b>South Atlantic</b> .....	<b>24,744,683</b>	<b>6,378,427</b>	<b>1,039,760</b>
Delaware.....	25,823,288	6,340,724	1,058,519
District of Columbia.....	—	5,995,475	—
Florida.....	24,639,905	6,426,565	1,039,043
Georgia.....	23,573,474	5,816,965	1,032,346
Maryland.....	26,093,314	6,366,222	1,038,585
North Carolina.....	24,965,286	5,797,018	1,029,000
South Carolina.....	25,764,940	5,796,000	1,028,000
Virginia.....	25,384,631	6,317,602	1,037,771
West Virginia.....	24,821,938	5,779,759	1,000,000
<b>East South Central</b> .....	<b>22,939,795</b>	<b>6,550,756</b>	<b>1,025,761</b>
Alabama.....	22,066,678	5,798,695	1,008,716
Kentucky.....	23,267,299	5,862,942	1,025,000
Mississippi.....	23,485,288	6,636,839	1,026,115
Tennessee.....	23,317,974	5,875,800	—
<b>West South Central</b> .....	<b>15,672,532</b>	<b>5,864,784</b>	<b>1,025,011</b>
Arkansas.....	17,400,916	5,918,682	1,021,999
Louisiana.....	16,604,043	5,901,172	1,035,007
Oklahoma.....	17,314,490	—	1,030,400
Texas.....	14,954,808	5,798,104	1,021,828
<b>Mountain</b> .....	<b>19,488,623</b>	<b>5,850,451</b>	<b>1,021,151</b>
Arizona.....	20,539,934	5,903,436	1,010,642
Colorado.....	19,515,676	—	1,030,393
Idaho.....	—	—	—
Montana.....	16,850,534	5,922,000	1,186,813
Nevada.....	22,441,366	5,842,620	1,034,285
New Mexico.....	18,063,310	5,712,000	1,013,464
Utah.....	23,877,946	5,880,000	1,020,000
Wyoming.....	17,383,524	5,841,242	1,044,000
<b>Pacific Contiguous</b> .....	<b>16,661,693</b>	<b>5,917,777</b>	<b>1,009,740</b>
California.....	—	6,083,994	1,009,529
Oregon.....	17,422,000	5,880,000	1,011,000
Washington.....	16,327,520	5,880,000	—
<b>Pacific Noncontiguous</b> .....	<b>—</b>	<b>6,265,786</b>	<b>1,000,000</b>
Alaska.....	—	—	1,000,000
Hawaii.....	—	6,265,786	—
<b>U.S. Average</b> .....	<b>20,366,288</b>	<b>6,350,333</b>	<b>1,020,149</b>

<sup>1</sup> Data represents weighted values.

<sup>a</sup> Consists mostly of blast furnace gas which has a heat content of 72,0 Btu per thousand cubic feet.

Note: Data for 1998 are preliminary.

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

**Table C2. Comparison of Preliminary Versus Final Published Data at the U.S. Level, 1994 Through 1998**

Item	Mean Absolute Value of Change				
	1994	1995	1996	1997	1998
<b>Nonutility</b>					
Sales for Resale (million kilowatthours).....	NA	NA	546	335	NA
<b>Utility</b>					
<b>Generation (million kilowatthours)</b>					
Coal .....	34	49	162	201	201
Petroleum .....	25	6	64	53	39
Gas.....	29	38	84	168	102
Hydroelectric.....	6	6	298	325	322
Nuclear.....	96	0	4	65	0
Other <sup>1</sup> .....	1	0	0	0	0
Total .....	113	11	462	285	504
<b>Consumption</b>					
Coal (thousand short tons).....	10	27	105	169	114
Petroleum (thousand barrels).....	13	1	94	43	76
Gas (million cubic feet).....	470	300	899	1,243	1,084
<b>Stocks<sup>2</sup></b>					
Coal (thousand short tons).....	124	310	233	501	229
Petroleum (thousand barrels).....	81	239	201	130	98
<b>Retail Sales (million kilowatthours)</b>					
Residential.....	115	79	345	350	626
Commercial.....	397	780	476	1,265	175
Industrial .....	806	141	1,129	257	771
Other <sup>3</sup> .....	24	167	267	363	33
Total .....	602	694	1,153	1,724	1,466
<b>Revenue (million dollars)</b>					
Residential.....	14	17	2	3	42
Commercial.....	31	51	29	60	17
Industrial .....	51	23	46	32	30
Other <sup>3</sup> .....	4	5	1	31	2
Total .....	49	22	46	62	79
<b>Average Revenue per Kilowatthour (cents)<sup>4</sup></b>					
Residential.....	.01	.01	.03	.03	.02
Commercial.....	.01	.01	.01	.05	.01
Industrial .....	.02	.03	.01	.02	.01
Other <sup>3</sup> .....	.04	.20	.22	.07	.02
Total .....	.01	.01	.01	.02	.01
<b>Receipts</b>					
Coal (thousand short tons).....	27	34	61	71	84
Petroleum (thousand barrels).....	28	2	77	28	20
Gas (million cubic feet).....	211	227	566	122	365
<b>Cost (cents per million Btu)<sup>4</sup></b>					
Coal .....	.08	.10	.06	.16	.23
Petroleum .....	.01	.01	.01	*	*
Gas.....	.04	.15	.87	.68	.35

<sup>1</sup> Includes geothermal, wood, waste, wind, and solar.

<sup>2</sup> Stocks are end of month values.

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

<sup>4</sup> Data represents weighted values.

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

NA = Not available.

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

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

**Table C3. Unit-of-Measure Equivalents for Electricity**

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

Source: Energy Information Administration.

**Table C4. Comparison of Sample Versus Census Published Data at the U.S. Level, 1996 and 1997**

Item	1996			1997		
	Sample	Census	Difference (Percent)	Sample	Census	Difference (Percent)
<b>Nonutility</b>						
Sales for Resale (million kilowatthours) .....	219,549	224,646	*	222,367	NA	NA
<b>Utility</b>						
<b>Generation (million kilowatthours)</b>						
Coal .....	1,735,943	1,737,453	0.1	1,788,733	1,787,806	-0.1
Petroleum .....	66,261	65,695	-9	75,570	74,372	-1.6
Gas .....	263,262	262,730	-2	283,603	283,625	*
Other <sup>1</sup> .....	1,012,475	1,011,564	-1	977,618	976,720	-1
<b>Total</b> .....	<b>3,077,940</b>	<b>3,077,442</b>	<b>*</b>	<b>3,125,524</b>	<b>3,122,523</b>	<b>-10</b>
<b>Consumption</b>						
Coal (1,000 short tons).....	873,681	874,681	.1	898,460	900,361	.2
Petroleum (1,000 barrels).....	114,788	113,274	-1.3	128,254	125,146	-2.5
Gas (1,000 Mcf) .....	2,736,552	2,732,107	-2	2,962,375	2,968,453	.2
<b>Stocks<sup>2</sup></b>						
Coal (1,000 short tons).....	114,623	114,623	*	98,261	98,826	.6
Petroleum (1,000 barrels).....	47,507	47,690	.4	48,570	48,792	.5
<b>Retail Sales (million kilowatthours)</b>						
Residential .....	1,078,355	1,082,491	.4	1,071,563	NA	NA
Commercial .....	888,066	887,425	-1	913,265	NA	NA
Industrial .....	1,016,807	1,030,356	1.3	1,035,700	NA	NA
Other <sup>3</sup> .....	100,741	97,539	-3.3	98,544	NA	NA
<b>All Sectors</b> .....	<b>3,083,970</b>	<b>3,097,810</b>	<b>.40</b>	<b>3,119,072</b>	<b>NA</b>	<b>NA</b>
<b>Revenue (million dollars)</b>						
Residential .....	90,510	90,501	*	90,653	NA	NA
Commercial .....	67,822	67,827	*	69,767	NA	NA
Industrial .....	46,833	47,385	1.2	47,159	NA	NA
Other <sup>3</sup> .....	6,735	6,741	.1	6,737	NA	NA
<b>All Sectors</b> .....	<b>211,900</b>	<b>212,455</b>	<b>.30</b>	<b>214,317</b>	<b>NA</b>	<b>NA</b>
<b>Average Revenue per Kilowatthour (cents)<sup>4</sup></b>						
Residential .....	8.39	8.36	-4	8.46	NA	NA
Commercial .....	7.64	7.64	.1	7.64	NA	NA
Industrial .....	4.61	4.60	-2	4.55	NA	NA
Other <sup>3</sup> .....	6.69	6.91	3.3	6.84	NA	NA
<b>All Sectors</b> .....	<b>6.87</b>	<b>6.86</b>	<b>-20</b>	<b>6.87</b>	<b>NA</b>	<b>NA</b>

<sup>1</sup> Includes geothermal, wood, waste, wind, and solar.

<sup>2</sup> Stocks are end-of-month values.

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

<sup>4</sup> Data represent weighted values.

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

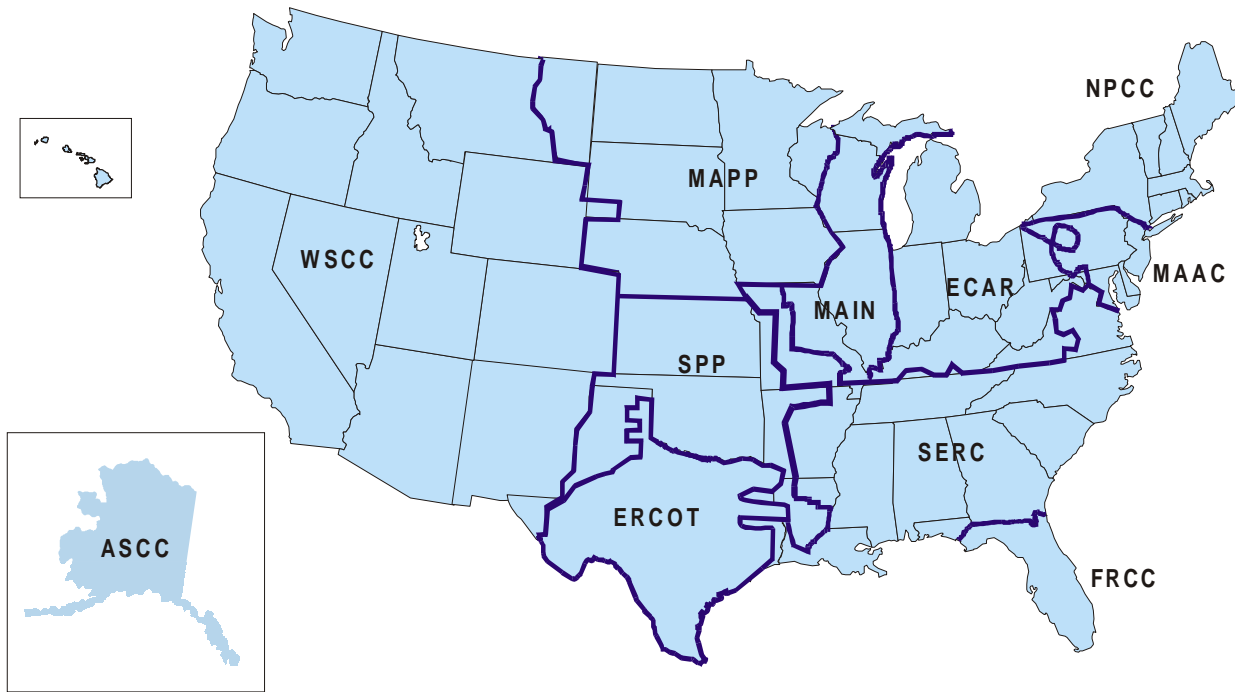
NA = Not available.

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

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



**Figure C1. North American Electric Reliability Council Regions for the Contiguous United States, Alaska and Hawaii**



- ECAR - East Central Area Reliability Coordination Agreement
- ERCOT - Electric Reliability Council of Texas
- FRCC - Florida Reliability Coordinating Council
- MAAC - Mid-Atlantic Area Council
- MAIN - Mid-America Interconnected Network
- 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

Note: The Alaska Systems Coordinating Council (ASCC) is an affiliate NERC member.  
 Source: North American Electric Reliability Council.

**Table C5. Estimated Coefficients of Variation for Electric Utility Net Generation by State,  
September 1999**  
(Percent)

State	Coal	Petroleum	Gas	Hydroelectric	Nuclear	Other <sup>1</sup>
Alabama.....	0.0	0.0	0.0	0.0	0.0	—
Alaska.....	.0	11.7	.3	16.7	—	—
Arizona.....	.0	.0	.0	.0	.0	—
Arkansas.....	.0	.0	.4	.7	.0	—
California.....	—	.0	.0	.1	.0	0.0
Colorado.....	.1	3.9	1.9	.0	—	.0
Connecticut.....	.0	.5	.0	1.2	.0	.0
Delaware.....	.0	.1	.0	—	—	—
District of Columbia.....	—	.0	—	—	—	—
Florida.....	.0	.0	.0	.0	.0	—
Georgia.....	.0	.0	.2	.3	.0	—
Hawaii.....	—	1.6	—	.0	—	—
Idaho.....	—	.0	—	.2	—	—
Illinois.....	.0	.8	.5	.0	.0	.0
Indiana.....	.0	.0	1.0	.0	—	—
Iowa.....	.1	2.4	3.3	.2	.0	.0
Kansas.....	.0	4.6	3.1	—	.0	—
Kentucky.....	.0	.1	.0	1.3	—	—
Louisiana.....	.0	.0	.1	—	.0	—
Maine.....	—	9.0	—	.0	—	.0
Maryland.....	.0	1.1	.3	.0	.0	—
Massachusetts.....	.0	4.4	3.2	39.8	.0	—
Michigan.....	.0	.2	1.0	106.2	.0	—
Minnesota.....	.2	.2	4.2	2.4	.0	.0
Mississippi.....	.1	.7	.4	—	.0	—
Missouri.....	.0	1.1	1.9	34.2	.0	.0
Montana.....	.0	.0	.0	.0	—	—
Nebraska.....	.0	6.1	1.9	.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	.7	.0	—	—
New York.....	.0	.1	.1	.0	.0	.0
North Carolina.....	.0	.0	.0	.0	.0	—
North Dakota.....	.0	.0	.0	.0	—	—
Ohio.....	.0	.4	.9	.0	.0	—
Oklahoma.....	.0	.6	.1	.0	—	—
Oregon.....	.0	.0	.0	.0	—	.0
Pennsylvania.....	.0	.0	.0	.8	.0	—
Rhode Island.....	—	.0	—	—	—	—
South Carolina.....	.0	.0	.0	5.2	.0	—
South Dakota.....	.0	.0	.0	.0	—	—
Tennessee.....	.0	.0	.0	.0	.0	—
Texas.....	.0	.1	.0	2.9	.0	.0
Utah.....	.0	1.0	20.2	3.3	—	.0
Vermont.....	—	9.9	.0	4.3	.0	.0
Virginia.....	.0	.0	.0	.2	.0	.0
Washington.....	.0	.0	.0	.0	.0	.0
West Virginia.....	.0	.0	.0	.0	—	—
Wisconsin.....	.0	.1	.4	4.4	.0	.0
Wyoming.....	.0	.0	.0	.3	—	—

<sup>1</sup> Includes geothermal, wood, wind, waste, and solar.

Notes: •For an explanation of coefficients of variation, see the technical notes. •Estimates for 1999 are preliminary.

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

**Table C6. Estimated Coefficients of Variation for Electric Utility Fuel Consumption and Stocks by State, September 1999**  
(Percent)

State	Consumption			Stocks	
	Coal	Petroleum	Gas	Coal	Petroleum
Alabama .....	0.0	0.0	0.0	0.0	0.0
Alaska .....	.0	7.4	.5	.0	70.4
Arizona.....	.0	.0	.0	.0	.0
Arkansas.....	.0	.0	1.0	.0	.0
California.....	—	.0	.0	—	.3
Colorado.....	.1	1.4	2.1	.1	.6
Connecticut.....	.0	.5	.0	.0	.2
Delaware.....	.0	.1	.0	.0	.0
District of Columbia.....	—	.0	—	—	.0
Florida.....	.0	.0	.0	.0	.0
Georgia.....	.0	.0	.2	.0	.0
Hawaii.....	—	1.4	—	—	1.1
Idaho.....	—	.0	—	—	.0
Illinois.....	.0	1.1	.2	.0	.3
Indiana.....	.0	.2	1.1	.0	.2
Iowa.....	.1	2.4	4.3	.2	5.3
Kansas.....	.0	6.6	3.2	.0	4.6
Kentucky.....	.0	.1	.0	.0	.0
Louisiana.....	.0	.0	.1	.0	.0
Maine.....	—	16.5	—	—	4.5
Maryland.....	.0	.3	.3	.0	.1
Massachusetts.....	.0	7.9	3.1	.0	2.3
Michigan.....	.0	.7	.3	.1	.1
Minnesota.....	.2	2.2	7.2	.5	.7
Mississippi.....	.1	.7	.3	.4	.3
Missouri.....	.0	1.0	2.0	.0	.6
Montana.....	.0	.0	.0	.0	.0
Nebraska.....	.0	6.1	1.5	.0	3.4
Nevada.....	.0	.0	.0	.0	.0
New Hampshire.....	.0	.0	.0	.0	.0
New Jersey.....	.0	.0	.0	.0	.0
New Mexico.....	.1	.0	.7	.2	.0
New York.....	.0	.2	.1	.0	.0
North Carolina.....	.0	.0	.0	.0	.0
North Dakota.....	.0	.0	.0	.0	.0
Ohio.....	.0	.5	1.0	.0	.3
Oklahoma.....	.0	.6	.1	.0	.2
Oregon.....	.0	.0	.0	.0	.0
Pennsylvania.....	.0	.0	.0	.0	.1
Rhode Island.....	—	.0	—	—	.0
South Carolina.....	.0	.0	.0	.0	.0
South Dakota.....	.0	.0	.0	.0	.0
Tennessee.....	.0	.0	.0	.0	.0
Texas.....	.0	.1	.0	.0	.0
Utah.....	.0	1.7	9.7	.0	1.1
Vermont.....	—	7.8	.0	—	2.7
Virginia.....	.0	.0	.0	.0	.0
Washington.....	.0	.0	.0	.0	.0
West Virginia.....	.0	.0	.0	.0	.0
Wisconsin.....	.0	.3	.4	.0	.4
Wyoming.....	.0	.0	.0	.0	.0

Notes: •For an explanation of coefficients of variation, see the technical notes. •Estimates for 1999 are preliminary.  
Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

**Table C7. Estimated Coefficients of Variation for Nonutility Net Generation by State,  
September 1999  
(Percent)**

State	Coal	Petroleum	Gas	Hydroelectric	Nuclear	Other <sup>1</sup>
<b>New England</b> .....	2.5	4.5	6.4	24.1	0.0	14.1
Connecticut.....	NM	.0	13.7	NM	—	.0
Maine.....	31.7	31.3	NM	7.3	—	46.6
Massachusetts.....	.0	3.2	4.2	.0	.0	.0
New Hampshire.....	—	NM	NM	.0	—	NM
Rhode Island.....	—	9.1	.2	NM	—	NM
Vermont.....	—	NM	—	NM	—	NM
<b>Middle Atlantic</b> .....	1.7	47.6	2.3	.0	—	13.1
New Jersey.....	NM	49.3	1.4	NM	—	NM
New York.....	.0	NM	2.7	.0	—	36.6
Pennsylvania.....	2.6	111.3	17.7	NM	—	12.9
<b>East North Central</b>	<b>6.3</b>	<b>NM</b>	<b>.0</b>	<b>NM</b>	—	<b>17.8</b>
Illinois.....	2.8	NM	NM	NM	—	NM
Indiana.....	NM	.0	14.3	NM	—	NM
Michigan.....	3.1	.0	2.5	NM	—	.0
Ohio.....	.0	NM	NM	NM	—	NM
Wisconsin.....	104.7	.0	23.3	NM	—	.0
<b>West North Central</b> .....	8.1	.0	NM	NM	—	NM
Iowa.....	.0	NM	NM	NM	—	NM
Kansas.....	—	NM	NM	NM	—	—
Minnesota.....	.0	NM	.0	NM	—	NM
Missouri.....	NM	NM	NM	NM	—	NM
Nebraska.....	NM	.0	.0	—	—	—
North Dakota.....	NM	NM	NM	—	—	NM
<b>South Atlantic</b> .....	5.4	11.9	4.7	44.2	—	5.8
Delaware.....	.0	.0	NM	—	—	NM
Florida.....	12.1	4.5	6.5	.0	—	4.5
Georgia.....	44.0	239.6	24.3	NM	—	10.3
Maryland.....	NM	NM	5.4	NM	—	NM
North Carolina.....	9.0	42.6	.0	—	—	2.3
South Carolina.....	68.6	NM	NM	NM	—	28.8
Virginia.....	4.7	97.2	6.7	NM	—	17.2
West Virginia.....	6.8	NM	3.0	NM	—	NM
<b>East South Central</b> .....	7.5	85.1	18.8	.0	—	3.4
Alabama.....	NM	NM	14.8	—	—	2.9
Kentucky.....	.0	78.9	NM	—	—	NM
Mississippi.....	NM	NM	NM	—	—	8.2
Tennessee.....	.0	NM	NM	.0	—	NM
<b>West South Central</b> .....	2.1	.1	2.3	NM	—	5.0
Arkansas.....	NM	NM	NM	NM	—	7.6
Louisiana.....	.0	.0	5.0	NM	—	NM
Oklahoma.....	NM	NM	23.3	—	—	NM
Texas.....	.0	64.3	2.3	NM	—	59.6
<b>Mountain</b> .....	.0	17.2	4.5	NM	—	NM
Arizona.....	NM	NM	NM	NM	—	—
Colorado.....	NM	NM	3.9	NM	—	—
Idaho.....	NM	NM	NM	NM	—	NM
Montana.....	.0	NM	NM	NM	—	NM
Nevada.....	—	NM	3.3	NM	—	NM
New Mexico.....	—	NM	.0	NM	—	—
Utah.....	NM	NM	NM	NM	—	—
Wyoming.....	NM	NM	NM	—	—	NM
<b>Pacific Contiguous</b>	<b>11.1</b>	<b>161.5</b>	<b>2.0</b>	<b>.0</b>	—	<b>2.7</b>
California.....	2.1	NM	2.0	.0	—	2.3
Oregon.....	NM	NM	.0	NM	—	NM
Washington.....	NM	.0	3.3	NM	—	.0
<b>Pacific Noncontiguous</b> .....	.0	.5	.0	NM	—	50.6
Alaska.....	NM	NM	NM	NM	—	NM
Hawaii.....	.0	.3	.0	NM	—	50.6

<sup>1</sup> Includes geothermal, wood, wind, waste, and solar.

NM = This value is not available due to insufficient data, inadequate anticipated data/model performance, the percent difference calculation is not meaningful.

Notes: •For an explanation of coefficients of variation, see the technical notes. •Estimates for 1999 are preliminary.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

**Table C8. Estimated Coefficients of Variation for Nonutility Fuel Consumption and Stocks by State, September 1999**  
(Percent)

State	Consumption			Stocks	
	Coal	Petroleum	Gas	Coal	Petroleum
<b>New England</b> .....	2.9	5.1	5.3	2.2	4.4
Connecticut .....	NM	.0	3.3	NM	8.8
Maine .....	20.0	23.6	NM	7.5	21.4
Massachusetts .....	.0	3.3	4.1	.0	3.5
New Hampshire .....	—	NM	NM	—	NM
Rhode Island .....	—	5.8	.3	—	5.8
Vermont .....	—	NM	—	—	NM
<b>Middle Atlantic</b> .....	2.8	87.3	3.0	13.5	48.8
New Jersey.....	NM	50.1	1.3	NM	42.7
New York .....	.0	.1	3.4	.0	.4
Pennsylvania .....	4.4	136.7	17.4	18.4	136.7
<b>East North Central</b> .....	NM	137.2	.0	NM	103.0
Illinois .....	1.4	.0	NM	3.3	.0
Indiana.....	NM	.0	22.9	NM	.0
Michigan .....	3.9	.0	14.1	9.3	.0
Ohio.....	NM	.0	NM	NM	.0
Wisconsin.....	90.6	.0	30.8	90.6	.0
<b>West North Central</b> .....	5.0	.0	5.2	78.9	.0
Iowa.....	NM	.0	NM	NM	.0
Kansas .....	—	NM	NM	—	NM
Minnesota.....	.0	NM	.0	.0	NM
Missouri .....	NM	NM	NM	NM	NM
Nebraska .....	NM	.0	.0	NM	.0
North Dakota .....	NM	NM	NM	NM	NM
<b>South Atlantic</b> .....	6.0	15.0	13.6	14.6	12.7
Delaware .....	NM	NM	NM	NM	NM
Florida .....	13.7	4.6	15.2	14.6	4.8
Georgia.....	54.1	NM	26.1	54.2	NM
Maryland.....	NM	NM	8.0	NM	NM
North Carolina .....	7.5	37.5	.0	16.7	58.6
South Carolina .....	47.2	NM	NM	47.2	NM
Virginia.....	13.1	113.8	9.5	8.8	11.7
West Virginia.....	3.8	NM	.1	18.7	NM
<b>East South Central</b> .....	7.1	82.0	34.8	14.1	82.0
Alabama .....	NM	NM	28.2	NM	NM
Kentucky .....	NM	34.3	NM	NM	34.3
Mississippi .....	NM	NM	NM	NM	NM
Tennessee .....	.0	NM	NM	.0	NM
<b>West South Central</b> .....	3.7	59.6	4.2	32.3	35.6
Arkansas.....	NM	NM	NM	NM	NM
Louisiana.....	.0	.0	8.0	.0	.0
Oklahoma.....	NM	NM	57.7	NM	NM
Texas .....	NM	81.6	4.2	NM	42.7
<b>Mountain</b> .....	.0	20.2	7.9	.0	.0
Arizona.....	NM	NM	NM	NM	NM
Colorado.....	NM	NM	6.9	NM	NM
Idaho .....	NM	NM	NM	NM	NM
Montana .....	NM	.0	NM	NM	.0
Nevada .....	—	NM	1.4	—	NM
New Mexico .....	—	NM	.0	—	NM
Utah.....	NM	NM	NM	NM	NM
Wyoming.....	NM	NM	NM	NM	NM
<b>Pacific Contiguous</b> .....	9.1	298.0	2.4	19.7	95.9
California .....	7.3	NM	2.3	17.4	NM
Oregon.....	NM	NM	.0	NM	NM
Washington .....	NM	NM	7.1	NM	.0
<b>Pacific Noncontiguous</b> .....	.0	26.3	.0	.0	26.3
Alaska .....	NM	NM	NM	NM	NM
Hawaii .....	.0	18.2	.0	.0	18.2

NM = This value is not available due to insufficient data, inadequate anticipated data/model performance, the percent difference calculation is not meaningful.

Notes: •For an explanation of coefficients of variation, see the technical notes. •Estimates for 1999 are preliminary.

Source: Energy Information Administration, Form EIA-900, "Monthly Nonutility Power Plant Report."

# Glossary

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

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

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

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

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

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

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

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

**Bcf:** The abbreviation for 1 billion cubic feet.

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

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

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

- LV = Low-volatile bituminous coal
- MV = Medium-volatile bituminous coal
- HVA = High-volatile A bituminous coal
- HVB = High-volatile B bituminous coal
- HVC = High-volatile C bituminous coal

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Gigawatt (GW):** One billion watts.

**Gigawatthour (GWh):** One billion watthours.

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

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



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

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

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

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

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

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

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

**Kilowatt (kW):** One thousand watts.

**Kilowatthour (kWh):** One thousand watthours.

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

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

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

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

**Mcf:** One thousand cubic feet.

**Megawatt (MW):** One million watts.

**Megawatthour (MWh):** One million watthours.

**MMcf:** One million cubic feet.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Petroleum Coke:** See Coke (Petroleum).

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

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

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

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

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

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

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

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

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

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

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