Electric Power Monthly

February 1994

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Cover Photo:

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

Released for Printing: February 16, 1994

Printed with soy ink on recycled paper

Electric Power Monthly

February 1994

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

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Preface

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

Background

The *EPM* is prepared by the Survey Management Division; Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration (EIA), Department of Energy. This publication provides monthly statistics at the U.S., Census division, and State levels for net generation, fossil fuel consumption and stocks, quantity and quality of fossil fuels, cost of fossil fuels, electricity sales, revenue, and average revenue per kilowatthour of electricity sold. 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.

Statistics by company and plant are published in the *EPM* on the capability of new generating units, net generation, fuel consumption, fuel stocks, quantity and quality of fuel, and cost of fossil fuels.

Data on quantity, quality, and cost of fossil fuels lag data on net generation, fuel consumption, fuel stocks, electricity sales, and average revenue per kilowatthour by 1 month. This difference in reporting appears in the U.S., Census division, and State level tables. However, for purposes of comparison, plant-level data are presented for the earlier month.

Coverage of Sources

The *EPM* contains information from six data sources: the Form EIA-759, "Monthly Power Plant Report"; the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of

Fuels for Electric Plants"; the Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions"; the Form EIA-861, "Annual Electric Utility Report"; the Form EIA-860, "Annual Electric Generator Report"; and a form collected by the Office of Emergency Planning and Operations (OE), the Form OE-417R, "Electric Power System Emergency Report." Copies of these forms and their instructions may be obtained from the National Energy Information Center. A brief summary of these forms follows; a more detailed description of the forms is contained in Appendix C, "Technical Notes."

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

The FERC Form 423, which is a restricted-universe census, is used to collect data from electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts (approximately 230 electric utilities). The threshold of 50 or more megawatts was established by FERC. Data collected on the FERC Form 423 include quantity, quality, delivered cost, origin, mine type, fuel type, supplier, and purchase type of fossil fuel receipts.

The Form EIA-826 is used to collect sales and revenue data for the residential, commercial, industrial, and other sectors. Other sales and revenue data collected include public street and highway lighting, other sales and revenue to public authorities, sales to railroads and railways, and interdepartmental sales. Respondents to the Form EIA-826 are based on a statistically chosen sample and include 238 investor-owned and publicly owned electric utilities from a universe of approximately 3,250 utilities. The sample, which is evaluated annually, was designed to obtain estimates of electricity sales, revenue, and revenue per kilowatthour for all U.S. electric utilities by end-use sector. These estimates are provided at the State, Census division, and U.S. levels. Estimates of coefficients of variation, which indicate possible error due to sampling, are also published at each level.

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

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

the production, sales, revenue from sales, and trade of electricity.

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

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U.S. Electric Power At A Glance

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

Monthly Update

October 1993

Receipts and Fuel Costs. Receipts of coal at electric utility generating plants in October 1993 totaled 67 million short tons, nearly unchanged from October 1992, and a 2 million short ton increase from September 1993. The United Mine Workers' of America (UMWA) strike was the primary event affecting receipts and associated costs of coal delivered during October. Coal receipts increased from September as electric utilities sought to replenish coal inventories that have been drawn down because of the strike. This included increasing purchases of spot market and contract-coal from mines not affected by the strike.

The UMWA strike, which began in early May, continued through October. The strike led to lower coal receipts at several electric utilities and resulted in an increase in the cost of spot-market coal from the Appalachian and Interior coal-producing regions.

Receipts of imported coal were considerably higher than normal due in part to the UMWA strike. Seven electric utilities received imported coal totaling 804 thousand short tons and originating in Colombia, Venezuela, and Indonesia. The Tampa Electric Company received 250 thousand short tons of coal from Colombia and Venezuela in place of domestic coal deliveries halted by the UMWA strike. The Baltimore Gas and Electric Company also received 36 thousand short tons of imported coal in October as strike replacement coal. The Jacksonville Electric Authority received 232 thousand short tons of coal from Colombia delivered under a long-term contract that has been in place for several years. Other electric utilities receiving imported coal either under long-term contract, as strike replacement coal, or for the purpose of conducting test-burns include the Central Power and Light Company (Texas), Gulf Power Company (Florida), New England Power Company, and the Public Service Company of New Hampshire.

The average cost of coal at electric utility generating plants during October was \$29.11 per short ton, an increase of \$0.67 per short ton from September 1993 and a decrease of \$0.46 per short ton from October 1992. The average cost of spot-market coal at electric utility generating plants during October 1993 was \$29.26 per short ton, an increase of \$0.60 per short ton from September 1993. The cost of spot-market coal mined in the Appalachian and Interior coal-producing regions and delivered to electric utilities in October increased by \$0.50 and \$0.55 per short ton, respectively, from September. Since the start of the UMWA strike in May 1993, the average cost of spot-market coal from the Appalachian and Interior regions has increased by approximately \$3.00 per short ton for each region. Spot-market coal mined in the Western coal-producing

region and delivered to electric utilities in October increased by \$0.18 per short from September.

Receipts of petroleum in October 1993 were 14 million barrels, an increase of 3 million barrels from October 1992 petroleum receipts. This increase in petroleum receipts was due to a combination of low on-hand stocks of fuel oil at the start of the month and the low cost of petroleum reported by electric utilities for October. The average cost of petroleum was \$15.03 per barrel, a decrease of \$3.86 per barrel from October 1992.

Total U.S. receipts of gas at electric utility generating plants during October 1993 were 226 billion cubic feet (Bcf), an increase of 21 Bcf, compared with the same month last year. The cost of gas delivered to electric utilities in October 1993 was \$2.46 per thousand cubic feet (Mcf), \$0.59 per Mcf lower than that of a year ago.

On a cents-per-million-Btu basis, gas was the most expensive fossil fuel at electric utility generating plants in October 1993. The average cost of gas was 241.3 cents per million Btu, compared with 236.6 cents for petroleum and 140.5 cents for coal.

November 1993

Generation. Total U.S. net generation of electricity during November 1993 was 226 billion kilowatthours, 2 percent above the amount reported in November 1992. Coal was the energy source showing the strongest gain in generation, 7 billion kilowatthours above the level reported during November 1992. For the sixth consecutive month, coal-fired generation was higher than the output from the corresponding month during the previous year. The UMWA strike which lasted during this period, did not have a major effect on total U.S. coal-fired generation. However, the strike has been a major factor in the inability of electric utilities to rebuild stockpiles of coal. Record coal consumption in July and August and the coal strike are the primary reasons for a 35-million short ton decrease in stocks of bituminous coal that has occurred since May 1993.

Generation from petroleum- and gas-fired plants also had higher production levels, compared with the same period in 1992. Electric utilities used more fossil fuels--coal, petroleum, and natural gas, to compensate for the decline in hydroelectric and nuclear-powered generation. These two energy sources had generation levels lower than those reported during November 1992 by 1 billion (7 percent) and 4 billion (8 percent) kilowatthours, respectively.

During November 1993, electricity produced from coal-fired plants was 132 billion kilowatthours, 5 percent more than the amount produced during November 1992. Electric utilities in the East North Central Census Division, the largest consumer of coal in the Nation, produced 31 billion kilowatthours of electricity from

coal-fired plants during the month, 6 percent higher than the level in November 1992. The coal-fired generation from this division represented 23 percent of the total U.S. coal-fired generation in November 1993.

Generation from petroleum-fired plants was 7 billion kilowatthours, 9 percent higher than the corresponding period in 1992. Generation from gas-fired plants was 21 billion kilowatthours, 14 percent more than the level reported during the same period in 1992. Production of electricity from gas-fired plants in the West South Central Census Division (the largest consumer of gas by electric utilities at 53 percent of the total U.S. gas-fired generation) was 18 percent higher than the amount reported during October 1992.

Sales. Total sales of electricity to ultimate consumers in November 1993 were 223 billion kilowatthours, an increase of 5 billion kilowatthours (2 percent), compared with November 1992. Sales in all end-use sectors increased, compared with a year ago. The major sector that showed the largest increase was residential--4 percent higher than the November 1992 level.

Sales of electricity to residential consumers in the South Atlantic Census Division had the highest level of residential sales at 17 billion kilowatthours. Sales at the South Atlantic Census Division accounted for 23 percent of the total U.S. residential electric sales. The South Atlantic Census Division also reported the highest level in commercial and industrial sales, both at 13 billion kilowatthours.

Figure 1. Net Generation by Energy Source at the National Level

Note: Other energy sources include geothermal, wood, wind, waste, and solar. Data for 1993 are preliminary.

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

Table 1. New Electric Generating Units by Operating Company, Plant, and State, and Retirements and Total Capability at U.S. Electric Utilities, 1993

Month/ Company	Plant	State	Generating Unit Number	Net Summer Capability ¹ (megawatts)	Energy Source	Unit Type Code
January						
Delmarva Power & Light Co.	Hay Road	DE	4	129.5	Waste Heat	CW
February						
McGrath Light & Power Co.	McGrath	AK	7	.4	Petroleum	IC
March						
Imperial Irrigation District	El Centro	CA	2A	74.5	Gas	CT
Tecumseh City of	Tecumseh	NE	6	2.2	Petroleum	IC
April						
Johnson City of	Johnson	KS	8	1.2	Gas	IC
Maui Electric Co. Ltd.	Maalaea	HI	16	17.6	Petroleum	CT
Potomac Electric Power Co.	Dickerson	MD	GT3	131.8	Petroleum	GT
Texas Utilities Electric Co.	Comanche Peak	TX	2	1,150.0	Uranium	NP
Wisconsin Public Service Corp.	West Marinette	WI	33	71.6	Gas	GT
Alaska Power & Telephone Co.	Tetlin	AK	1	.1	Petroleum	IC
May						
Auburn City of	Auburn	NE	4A	3.5	Gas	IC
Cincinnati Gas and Electric Co.	Woodsdale	OH	GT1	78.0	Gas	GT
Florida Power and Light Co.	Lauderdale	FL	4GT1-2	297.7	Gas	CT
Mt Pleasant City of	Unit 3	UT	1	.1	Water	HL
Nevada Power Co.	Clark	NV	9	74.6	Waste Heat	CW
Pacific Gas & Electric Co.	PVUSA	CA	1	.5	Sun	SP
Russell City of	Russell	KS	11	3.4	Gas	IC
June^a						
Bethany City of	Bethany	MO	8	1.5	Petroleum	IC
Denver City & County of	Hillcrest	CO	1	2.0	Water	HL
Florida Power and Light Co.	Lauderdale	FL	5GT1-2	297.7	Gas	CT
Florida Power and Light Co.	Martin	FL	3GT1-2	268.0	Gas	CT
Mt Pleasant City of	Unit 4	UT	1	1.2	Water	HL
Public Service Elec & Gas Co.	Burlington	NJ	CW10	54.6	Waste Heat	CW
PSI Energy Inc.	Cayuga	IN	4	88.1	Gas	GT
Springville City of	Upper Barth	UT	1	.2	Water	HL
Vandalia City of	Vandalia	MO	11-12	1.8	Petroleum	IC
Wisconsin Electric Power Co.	Concord	WI	1-2	156.0	Gas	GT
July						
Alaska Power & Telephone Co.	Eagle	AK	1-2	.4	Petroleum	IC
Arkansas Electric Coop. Corp.	Dam 9	AR	1,3	22.5	Water	HC
Florida Power Corp.	Intercession City	FL	P7, P8, P9, P10	374.7	Petroleum	GT
Kingman City of	Kingman	KS	9	5.6	Gas	IC
Naknek Electric Association Inc.	Naknek	AK	NA5	.8	Petroleum	IC
Russell City of	Russell	KS	12	3.4	Gas	IC
August						
Alaska Village Elec Co. Inc.	Brevig Mission	AK	1-3	.4	Petroleum	IC
Algona City of	Algona	IA	8-9	8.2	Petroleum	IC
Arkansas Elec Coop. Corp.	Dam 9	AR	2	11.2	Water	HC
Bureau of Reclamation	McPhee	CO	1	1.2	Water	HC
Bureau of Reclamation	Towaoc	CO	1	12.0	Water	HC
Lewis City of	Lewes	DE	7-8	1.8	Petroleum	IC
Wolverine Power Supply Coop Inc.	Claude Vandyke	MI	7	.9	Petroleum	IC
September						
Maui Electric Co. Ltd.	Maalaea	HI	15	14.2	Waste Heat	CW
October^a						
Modesto Irrigation District	Woodland	CA	NA1	46.3	Gas	GT
Florida Power and Light Co.	Martin	FL	3ST	148.0	Waste Heat	CW
Girard City of	Girard	KS	6-7	5.8	Gas	IC
November						
Northern States Power Co.	United Health	MN	1	3.5	Petroleum	IC
Northern States Power Co.	United Hospitals	MN	1	4.6	Petroleum	IC
Northern States Power Co.	Alliant Techsystems	MN	1	1.5	Petroleum	IC
Florida Power and Light Co.	Martin	FL	4GT1	163.5	Gas	CT
Santa Clara City of	Grizzly Powerhouse	CA	NA1	23.5	Water	HC
Total Capability of Newly Added Units	--	--	--	3,761.8	--	--
Total Capability of Retired Units	--	--	--	1,274.1	--	--
U.S. Total Capability	--	--	--	697,274.4	--	--

¹ Net summer capability is estimated.

^a Revised.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are preliminary. Final data for the year are to be released in the *Electric Power Annual* (DOE/EIA - 0348(92)). *Unit Type Codes are: IC= Internal Combustion, GT=Combustion (Gas) Turbine, CT=Combined-Cycle Combustion Turbine, CW=Combined Cycle Steam Turbine with only waste heat capability, HC=Hydraulic Turbine - conventional, HR=Hydraulic Turbine - reversible (pumped storage), ST=Steam Turbine - Boiler, HL=Hydraulic Turbine - Pipeline, NP=Steam Turbine - Pressurized Water Nuclear Reactor.

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

Table 2. U.S. Electric Utility Summary Statistics

Items	November 1993 ¹	October 1993 ¹	November 1992 ¹	Year to Date		
				1993 ¹	1992 ¹	Difference (Percent)
Net Generation (Million kWh)						
Coal	132,275	130,926	125,535	1,495,011	1,437,661	4.0
Petroleum ²	7,479	7,659	6,838	89,253	82,526	8.2
Gas	20,533	22,906	18,031	241,555	247,127	-2.3
Hydroelectric Power ³	17,898	16,899	19,294	244,047	215,751	13.1
Nuclear Power	46,862	44,434	50,726	557,183	560,701	-.6
Other Sources ⁴	793	799	840	8,751	9,326	-6.2
All Energy Sources	225,841	223,622	221,263	2,635,800	2,553,093	3.2
Consumption						
Coal (1,000 short tons)	65,677	64,909	62,612	742,272	710,495	4.5
Petroleum (1,000 barrels) ⁵	12,226	12,221	11,333	145,842	136,598	6.8
Gas (1,000 Mcf)	208,122	233,192	189,296	2,505,654	2,590,000	-3.3
Stocks (end-of-month)						
Coal (1,000 short tons)	115,452	115,206	157,849	--	--	--
Petroleum (1,000 barrels) ⁶	62,857	61,256	68,934	--	--	--
Sales (Million kWh)⁷						
Residential	72,676	71,770	69,970	906,851	846,666	7.1
Commercial	61,301	65,242	60,131	726,210	700,582	3.7
Industrial	81,278	83,377	80,421	901,754	887,998	1.5
Other ⁸	7,794	8,270	7,462	89,128	86,278	3.3
All Sectors	223,049	228,660	217,984	2,623,942	2,521,524	4.1
Revenue (Million Dollars)⁷						
Residential	5,975	6,290	5,707	75,973	70,028	8.5
Commercial	4,682	5,276	4,518	56,268	53,614	5.0
Industrial	3,837	4,187	3,764	43,995	43,120	2.0
Other ⁸	542	601	502	6,118	5,751	6.4
All Sectors	15,036	16,354	14,491	182,355	172,513	5.7
Average Revenue/kWh (Cents)^{7, 9}						
Residential	8.2	8.8	8.2	8.4	8.3	1.2
Commercial	7.6	8.1	7.5	7.7	7.7	--
Industrial	4.7	5.0	4.7	4.9	4.9	--
Other ⁸	7.0	7.3	6.7	6.9	6.7	3.0
All Sectors	6.7	7.2	6.6	6.9	6.8	1.5

October 1993 ¹⁰	September 1993 ¹⁰	October 1992 ¹⁰	Year to Date		
			1993 ¹⁰	1992 ¹⁰	Difference (Percent)

Receipts¹¹						
Coal (1,000 short tons)	67,122	65,358	66,907	636,528	645,961	-1.5
Petroleum (1,000 barrels) ¹²	14,005	15,766	11,221	119,412	118,657	.6
Gas (1,000 Mcf) ¹³	226,136	249,708	205,039	2,204,009	2,286,260	-3.6
Cost (cents/million Btu)^{11, 14}						
Coal	140.5	138.5	141.3	138.8	141.4	-1.9
Petroleum ¹⁵	236.6	231.0	297.7	250.1	251.7	-.6
Gas ¹⁶	241.3	263.6	297.9	255.0	225.7	13.0

¹ Values for net generation, consumption, stocks, sales, revenue, and average revenue per kilowatthour are final for 1992 and are preliminary for 1993.

² Includes petroleum coke.

³ Pumping energy used at pumped storage plants for November 1993 was 1,735 million kilowatthours.

⁴ Includes geothermal, wood, wind, waste, and solar.

⁵ The November 1993 petroleum coke consumption was 101,232 short tons.

⁶ The November 1993 petroleum coke stocks were 84,215 short tons.

⁷ Estimates for sales and net generation may not correspond exactly for a particular month. Net generation data are for the calendar month. Sales and associated revenue data accumulated from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class, represent consumption occurring in and outside of the calendar month. This among other reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity), is why the monthly sales and generation data are not directly comparable.

⁸ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

⁹ Based on unrounded values. (See technical notes for an explanation of the modification to the sample design as of January 1993 estimates.)

¹⁰ Data for 1992 are final. Data for 1993 are preliminary.

¹¹ As of 1991, receipt and cost data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts.

¹² The October 1993 petroleum coke receipts were 97,502 short tons.

¹³ Includes small amounts of coke-oven, refinery, and blast-furnace gas.

¹⁴ Average cost of fuel delivered to electric generating plants; cost values are weighted values.

¹⁵ October 1993 petroleum coke cost was 70.0 cents per million Btu.

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

*kWh=kilowatthours, and Mcf=thousand cubic feet. *NM = Percent difference calculation not meaningful. *Monetary values are expressed in nominal terms. *Revenue and average revenue per kilowatthour do not include sales and excise taxes.

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

U.S. Electric Utility Net Generation

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

Table 3. U.S. Electric Utility Net Generation by Month and Energy Source, January 1992 Through November 1993

Period	All Energy Sources (Million) (Kilowatthours)	Share of Total U.S. Net Generation (Percent)					
		Coal ¹	Petroleum ²	Gas	Hydroelectric	Nuclear	Other ³
1992⁴							
January	243,970	56.3	4.2	6.6	8.8	23.7	0.4
February	217,761	55.9	3.8	7.4	8.3	24.2	.4
March	224,665	56.8	3.9	8.9	9.6	20.4	.4
April	210,837	56.9	3.1	10.4	9.2	20.0	.4
May	220,355	56.2	2.3	10.3	10.1	20.7	.4
June	236,842	54.7	3.2	10.6	9.6	21.6	.4
July	266,148	56.0	3.2	12.0	7.4	21.1	.3
August	255,203	55.6	2.7	11.3	7.1	23.0	.3
September	234,760	56.8	2.9	11.1	7.2	21.7	.4
October	221,289	57.8	3.1	9.2	7.4	22.0	.4
November	221,263	56.7	3.1	8.1	8.7	22.9	.4
December	244,126	56.6	2.6	6.9	9.8	23.8	.4
1992 Total	2,797,219	56.3	3.2	9.4	8.6	22.1	.4
1993⁵							
January	245,797	56.3	2.9	6.4	10.0	24.0	.3
February	224,663	57.9	3.1	7.0	8.8	22.8	.4
March	234,630	58.1	3.7	8.0	10.1	19.9	.4
April	211,292	56.9	2.5	7.9	11.9	20.4	.4
May	222,396	54.4	2.4	7.1	13.2	22.6	.3
June	249,625	55.1	3.1	9.8	10.7	21.1	.3
July	282,270	56.1	4.0	11.2	8.4	20.0	.3
August	279,147	56.0	4.3	12.3	7.1	20.1	.3
September	236,516	56.6	4.1	10.6	7.2	21.1	.3
October	223,622	58.5	3.4	10.2	7.6	19.9	.4
November	225,841	58.6	3.3	9.1	7.9	20.8	.4
Year to Date							
1993⁵	2,635,800	56.7	3.4	9.2	9.3	21.1	.3
1992⁴	2,553,093	56.3	3.2	9.7	8.5	22.0	.4

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

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

³ Includes geothermal, wood, wind, waste, and solar.

⁴ Data for 1992 are final.

⁵ Data for 1993 are preliminary.

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

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

The Lower Granite Lock and Dam is a hydroelectric facility, located in Snake River, Washington.

Table 4. U.S. Electric Utility Net Generation by Energy Source, 1983 Through November 1993
(Million Kilowatthours)

Period	All Energy Sources	Coal ¹	Petroleum ²	Gas	Hydroelectric ³	Nuclear	Other ⁴
1983	2,310,285	1,259,424	144,499	274,098	332,130	293,677	6,456
1984	2,416,304	1,341,681	119,808	297,394	321,150	327,634	8,638
1985	2,469,841	1,402,128	100,202	291,946	281,149	383,691	10,724
1986	2,487,310	1,385,831	136,585	248,508	290,844	414,038	11,503
1987	2,572,127	1,463,781	118,493	272,621	249,695	455,270	12,267
1988	2,704,250	1,540,653	148,900	252,801	222,940	526,973	11,984
1989	2,784,304	1,553,661	158,318	266,598	265,063	529,355	11,309
1990	2,808,151	1,559,606	117,017	264,089	279,926	576,862	10,651
1991	2,825,023	1,551,167	111,463	264,172	275,519	612,565	10,137
1992 ⁵							
January	243,970	137,327	10,202	16,178	21,502	57,849	912
February	217,761	121,731	8,296	16,165	17,966	52,804	798
March	224,665	127,678	8,809	19,906	21,566	45,835	871
April	210,837	119,909	6,505	21,913	19,454	42,268	788
May	220,355	123,768	5,156	22,689	22,285	45,627	830
June	236,842	129,607	7,508	24,997	22,698	51,185	846
July	266,148	149,028	8,540	31,950	19,711	56,049	869
August	255,203	141,900	6,923	28,778	18,062	58,656	885
September	234,760	133,239	6,841	26,099	16,838	50,919	825
October	221,289	127,940	6,908	20,420	16,375	48,784	862
November	221,263	125,535	6,838	18,031	19,294	50,726	840
December	244,126	138,234	6,390	16,744	23,808	58,075	874
1992 Total	2,797,219	1,575,895	88,916	283,872	239,559	618,776	10,200
1993 ⁶							
January	245,797	138,357	7,226	15,811	24,474	59,076	853
February	224,663	130,078	6,950	15,773	19,743	51,319	800
March	234,630	136,280	8,569	18,740	23,583	46,606	852
April	211,292	120,325	5,205	16,591	25,171	43,199	802
May	222,396	120,878	5,268	15,843	29,323	50,367	716
June	249,625	137,464	7,819	24,391	26,606	52,620	725
July	282,270	158,380	11,341	31,684	23,575	56,502	788
August	279,147	156,193	11,978	34,262	19,685	56,209	820
September	236,516	133,856	9,759	25,020	17,089	49,989	804
October	223,622	130,926	7,659	22,906	16,899	44,434	799
November	225,841	132,275	7,479	20,533	17,898	46,862	793
Year to Date							
1993 ⁶	2,635,800	1,495,011	88,253	241,555	244,047	557,183	8,751
1992 ⁵	2,553,093	1,437,661	82,526	247,127	215,751	560,701	9,326

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

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

³ Pumping energy used for pumped storage plants for November 1993 was 1,735 million kilowatthours.

⁴ Includes geothermal, wood, wind, waste, and solar.

⁵ Data for 1992 and prior years are final.

⁶ Data for 1993 are preliminary.

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

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

Table 5. Electric Utility Net Generation by NERC Region and Hawaii
(Million Kilowatthours)

NERC Region and Hawaii	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
ECAR	39,358	38,785	39,516	447,641	438,569	2.1
ERCOT	14,214	15,516	13,629	182,903	176,180	3.8
MAAC	15,852	15,015	14,913	187,437	175,561	6.8
MAIN	17,030	16,087	16,280	196,444	180,167	9.0
MAPP (U.S.)	11,980	11,403	10,938	130,205	126,634	2.8
NPCC (U.S.)	14,900	14,466	15,915	178,307	185,285	-3.8
SERC	50,042	50,700	49,311	601,959	576,057	4.5
SPP	20,808	20,890	20,299	248,296	235,807	5.3
WSCC (U.S.)	40,730	39,783	39,578	452,869	448,770	.9
Contiguous U.S.	224,915	222,646	220,377	2,626,061	2,543,030	3.3
ASCC	415	387	387	4,133	3,727	10.9
Hawaii	511	589	499	5,607	6,336	-11.5
U.S. Total	225,841	223,622	221,263	2,635,800	2,553,093	3.2

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

Notes: •Totals may not equal sum of components because of independent rounding. •See Glossary for explanation of acronyms. •Percent difference is calculated before rounding.

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

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

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
New England	6,776	6,101	6,153	76,048	77,124	-1.4
Connecticut	2,249	1,744	1,953	25,882	22,841	13.3
Maine	743	529	802	7,229	7,647	-5.5
Massachusetts	2,171	2,471	2,091	25,671	30,125	-14.8
New Hampshire	1,156	1,216	864	13,230	12,175	8.7
Rhode Island	3	1	3	48	105	-53.7
Vermont	454	140	439	3,987	4,233	-5.8
Middle Atlantic	22,224	22,061	24,103	281,606	281,940	-.1
New Jersey	2,501	2,340	2,950	32,250	28,267	14.1
New York	7,702	7,941	9,214	97,046	102,047	-4.9
Pennsylvania	12,021	11,780	11,939	152,310	151,626	.5
East North Central	40,717	40,318	39,690	469,984	443,294	6.0
Illinois	11,014	10,977	10,081	128,537	113,567	13.2
Indiana	7,442	7,933	8,525	91,336	88,190	3.6
Michigan	7,542	7,264	6,585	84,098	74,969	12.2
Ohio	10,758	10,353	10,595	122,440	124,386	-1.6
Wisconsin	3,961	3,792	3,898	43,572	42,183	3.3
West North Central	18,007	16,745	17,246	198,662	193,426	2.7
Iowa	2,346	2,037	2,237	28,182	26,670	5.7
Kansas	3,293	3,163	2,620	33,221	28,903	14.9
Minnesota	3,617	3,497	2,779	37,489	34,634	8.2
Missouri	3,736	3,213	5,001	48,711	51,531	-5.5
Nebraska	1,865	2,005	1,773	20,471	20,085	1.9
North Dakota	2,578	2,436	2,445	25,930	25,901	.1
South Dakota	571	392	391	4,659	5,702	-18.3
South Atlantic	45,835	45,159	43,407	525,100	500,719	4.9
Delaware	783	655	438	7,337	5,749	27.6
District of Columbia	-1	-1	-1	165	71	131.2
Florida	10,806	11,795	9,931	129,434	124,107	4.3
Georgia	7,397	7,160	7,274	87,916	83,786	4.9
Maryland	3,728	3,737	3,369	39,059	35,660	9.5
North Carolina	7,370	6,340	6,143	80,223	75,712	6.0
South Carolina	5,140	5,976	6,050	69,896	65,056	7.4
Virginia	4,236	3,862	3,847	47,089	44,622	5.5
West Virginia	6,375	5,634	6,356	63,981	65,955	-3.0
East South Central	20,526	21,129	21,475	249,952	241,266	3.6
Alabama	7,390	7,557	7,621	85,515	82,877	3.2
Kentucky	6,790	6,958	6,591	77,128	70,344	9.6
Mississippi	1,186	1,726	1,355	21,619	19,038	13.6
Tennessee	5,161	4,887	5,907	65,690	69,006	-4.8
West South Central	29,455	30,828	28,028	363,767	348,530	4.4
Arkansas	2,601	2,390	3,272	34,896	33,900	2.9
Louisiana	4,796	4,973	4,056	54,655	50,885	7.4
Oklahoma	3,841	3,677	3,575	44,809	42,058	6.5
Texas	18,217	19,789	17,124	229,407	221,687	3.5
Mountain	21,248	20,934	20,633	231,705	233,560	-.8
Arizona	5,106	5,515	5,309	62,079	63,541	-2.3
Colorado	2,813	2,739	2,617	29,802	28,946	3.0
Idaho	470	565	397	8,481	5,849	45.0
Montana	2,460	2,230	2,349	21,104	23,131	-8.8
Nevada	1,794	1,507	1,447	17,866	18,954	-5.7
New Mexico	2,667	2,178	2,518	25,692	25,216	1.9
Utah	2,434	2,830	2,464	30,289	29,875	1.4
Wyoming	3,505	3,368	3,533	36,391	38,048	-4.4
Pacific Contiguous	20,128	19,371	19,643	229,237	223,171	2.7
California	10,188	10,114	9,713	115,152	109,391	5.3
Oregon	2,938	2,965	3,177	37,392	37,686	-.8
Washington	7,002	6,291	6,752	76,694	76,094	.8
Pacific Noncontiguous	926	976	886	9,740	10,063	-3.2
Alaska	415	387	387	4,133	3,727	10.9
Hawaii	511	589	499	5,607	6,336	-11.5
U.S. Total	225,841	223,622	221,263	2,635,800	2,553,093	3.2

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

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

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Coal Generation			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	1,208	1,232	1,224	13,775	14,762	-6.7	18.1	19.1
Connecticut	--	5	106	1,818	2,007	-9.4	7.0	8.8
Maine	--	--	--	--	--	--	--	--
Massachusetts	917	936	815	8,960	9,916	-9.6	34.9	32.9
New Hampshire	292	290	303	2,997	2,840	5.5	22.7	23.3
Rhode Island	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--
Middle Atlantic	9,876	10,339	9,604	116,879	121,199	-3.6	41.5	43.0
New Jersey	398	317	531	4,915	4,846	1.4	15.2	17.1
New York	1,891	1,767	1,844	19,785	22,742	-13.0	20.4	22.3
Pennsylvania	7,587	8,255	7,229	92,178	93,612	-1.5	60.5	61.7
East North Central	30,805	30,915	29,114	343,887	328,220	4.8	73.2	74.0
Illinois	6,027	5,525	3,953	53,885	45,401	18.7	41.9	40.0
Indiana	7,344	7,833	8,402	90,260	86,779	4.0	98.8	98.4
Michigan	4,918	5,081	4,854	56,123	56,045	.1	66.7	74.8
Ohio	9,833	9,642	9,066	112,933	110,211	2.5	92.2	88.6
Wisconsin	2,683	2,834	2,839	30,686	29,784	3.0	70.4	70.6
West North Central	14,076	12,795	13,347	150,990	145,304	3.9	76.0	75.1
Iowa	1,861	1,761	1,833	24,332	22,567	7.8	86.3	84.6
Kansas	2,391	2,209	1,815	24,512	20,204	21.3	73.8	69.9
Minnesota	2,669	2,227	2,259	24,493	21,764	12.5	65.3	62.8
Missouri	3,205	2,805	3,997	37,329	42,982	-13.2	76.6	83.4
Nebraska	1,188	1,320	803	13,355	11,099	20.3	65.2	55.3
North Dakota	2,476	2,337	2,359	24,611	24,329	1.2	94.9	93.9
South Dakota	286	136	282	2,359	2,359	*	50.6	41.4
South Atlantic	26,278	25,757	24,166	307,345	292,168	5.2	58.5	58.3
Delaware	436	375	261	4,666	3,531	32.2	63.6	61.4
District of Columbia	--	--	--	--	--	--	--	--
Florida	4,447	4,826	4,188	57,186	56,244	1.7	44.2	45.3
Georgia	4,686	4,894	4,548	58,362	54,011	8.1	66.4	64.5
Maryland	2,033	2,170	1,746	22,749	21,369	6.5	58.2	59.9
North Carolina	4,423	4,204	3,894	54,044	49,827	8.5	67.4	65.8
South Carolina	1,961	1,805	1,524	24,323	21,194	14.8	34.8	32.6
Virginia	1,965	1,881	1,692	22,557	20,601	9.5	47.9	46.2
West Virginia	6,327	5,601	6,312	63,457	65,391	-3.0	99.2	99.1
East South Central	16,994	17,865	15,089	198,206	176,535	12.3	79.3	73.2
Alabama	5,607	5,818	5,004	60,727	55,964	8.5	71.0	67.5
Kentucky	6,592	6,753	6,249	74,201	66,823	11.0	96.2	95.0
Mississippi	505	827	385	8,334	7,317	13.9	38.5	38.4
Tennessee	4,289	4,467	3,451	54,944	46,431	18.3	83.6	67.3
West South Central	14,716	14,241	15,107	177,623	169,532	4.8	48.8	48.6
Arkansas	885	1,005	1,812	16,758	18,274	-8.3	48.0	53.9
Louisiana	1,531	1,252	1,730	17,659	17,996	-1.9	32.3	35.4
Oklahoma	2,480	2,118	2,424	26,268	25,246	4.0	58.6	60.0
Texas	9,820	9,866	9,141	116,938	108,016	8.3	51.0	48.7
Mountain	16,979	16,434	16,599	175,172	177,670	-1.4	75.8	76.1
Arizona	3,158	3,360	3,076	33,529	31,239	7.3	54.0	49.2
Colorado	2,672	2,593	2,490	27,597	27,190	1.5	92.6	93.9
Idaho	--	--	--	--	--	--	--	--
Montana	1,435	1,301	1,575	12,560	15,537	-19.2	59.5	67.2
Nevada	1,490	1,151	1,185	14,003	14,734	-5.0	78.4	77.7
New Mexico	2,468	1,986	2,371	23,003	22,993	*	89.5	91.2
Utah	2,291	2,710	2,402	28,892	28,596	1.0	95.4	95.7
Wyoming	3,463	3,321	3,501	35,588	37,381	-4.8	97.8	98.2
Pacific Contiguous	1,315	1,318	1,259	10,843	12,010	-9.7	4.7	5.4
California	--	--	--	--	--	--	--	--
Oregon	362	377	363	3,002	3,309	-9.3	8.0	8.8
Washington	954	942	895	7,841	8,702	-9.9	10.2	11.4
Pacific Noncontiguous	28	30	27	292	259	12.3	3.0	2.6
Alaska	28	30	27	292	259	12.3	7.1	7.0
Hawaii	--	--	--	--	--	--	--	--
U.S. Total	132,275	130,926	125,535	1,495,011	1,437,661	4.0	56.7	56.3

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

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

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

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Petroleum Generation			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	1,131	1,606	1,451	15,754	19,288	-18.3	20.7	25.0
Connecticut	336	501	427	3,841	4,736	-18.9	14.8	20.7
Maine	2	94	54	731	1,234	-40.8	10.1	16.1
Massachusetts	697	807	807	10,027	11,971	-16.2	39.1	39.7
New Hampshire	94	203	160	1,123	1,275	-11.9	8.5	10.5
Rhode Island	1	1	3	28	70	-59.9	58.1	66.9
Vermont	1	1	*	5	2	102.4	.1	.1
Middle Atlantic	1,385	936	1,508	17,328	19,369	-10.5	6.2	6.9
New Jersey	16	10	54	789	926	-14.8	2.4	3.3
New York	1,090	815	1,262	12,952	16,358	-20.8	13.3	16.0
Pennsylvania	279	110	191	3,587	2,084	72.1	2.4	1.4
East North Central	167	141	130	1,776	1,363	30.3	.4	.3
Illinois	87	52	62	648	408	58.8	.5	.4
Indiana	16	19	13	182	275	-34.0	.2	.3
Michigan	39	33	23	597	453	31.7	.7	.6
Ohio	19	27	25	250	177	41.4	.2	.1
Wisconsin	5	9	6	99	50	100.0	.2	.1
West North Central	130	121	76	1,316	767	71.6	.7	.4
Iowa	4	3	4	44	32	37.9	.2	.1
Kansas	6	4	4	74	43	73.2	.2	.1
Minnesota	53	41	55	569	580	-1.9	1.5	1.7
Missouri	65	66	8	565	70	707.3	1.2	.1
Nebraska	*	*	2	18	8	119.7	.1	*
North Dakota	2	4	3	33	27	21.2	.1	.1
South Dakota	1	2	1	13	7	98.9	.3	.1
South Atlantic	3,262	3,451	2,856	39,704	33,028	20.2	7.6	6.6
Delaware	202	120	140	1,800	1,652	8.9	24.5	28.7
District of Columbia	-1	-1	-1	165	71	131.2	100.0	100.0
Florida	2,713	3,064	2,462	32,013	26,941	18.8	24.7	21.7
Georgia	7	8	5	231	123	87.5	.3	.1
Maryland	255	219	210	3,255	2,472	31.7	8.3	6.9
North Carolina	9	15	13	148	131	12.8	.2	.2
South Carolina	3	4	6	91	60	51.4	.1	.1
Virginia	52	4	7	1,808	1,414	27.9	3.8	3.2
West Virginia	21	18	15	193	164	18.1	.3	.2
East South Central	409	593	36	3,600	627	474.3	1.4	.3
Alabama	7	5	10	61	74	-17.9	.1	.1
Kentucky	6	6	6	87	77	12.5	.1	.1
Mississippi	382	571	8	3,229	375	761.9	14.9	2.0
Tennessee	14	12	12	224	101	121.9	.3	.1
West South Central	136	167	135	2,038	660	208.9	.6	.2
Arkansas	6	5	4	57	45	26.4	.2	.1
Louisiana	109	144	99	1,690	369	358.2	3.1	.7
Oklahoma	3	2	2	13	13	3.9	*	*
Texas	19	16	30	279	233	19.3	.1	.1
Mountain	38	21	75	425	436	-2.6	.2	.2
Arizona	4	3	2	57	69	-17.5	.1	.1
Colorado	1	1	2	8	38	-78.3	*	.1
Idaho	--	--	*	*	*	NM	*	*
Montana	1	3	*	19	14	36.5	.1	.1
Nevada	19	1	59	225	200	12.1	1.3	1.1
New Mexico	4	3	3	33	32	2.6	.1	.1
Utah	5	4	2	31	32	-3.2	.1	.1
Wyoming	4	7	5	53	51	2.9	.1	.1
Pacific Contiguous	268	5	40	1,315	315	317.5	.6	.1
California	265	4	39	1,251	304	311.9	1.1	.3
Oregon	2	*	1	32	7	362.1	.1	*
Washington	1	*	*	32	4	634.9	*	*
Pacific Noncontiguous	553	619	532	5,996	6,673	-10.2	61.6	66.3
Alaska	44	32	34	400	345	16.0	9.7	9.3
Hawaii	509	588	497	5,595	6,328	-11.6	99.8	99.9
U.S. Total	7,479	7,659	6,838	89,253	82,526	8.2	3.4	3.2

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

NM = Calculation not meaningful.

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

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

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

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Petroleum (Steam)			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	1,122	1,591	1,437	15,570	19,094	-18.5	20.5	24.8
Connecticut	336	500	425	3,831	4,726	-18.9	14.8	20.7
Maine	3	94	54	729	1,233	-40.9	10.1	16.1
Massachusetts	689	794	795	9,867	11,797	-16.4	38.4	39.2
New Hampshire	94	203	160	1,123	1,274	-11.9	8.5	10.5
Rhode Island	--	--	3	20	63	-68.8	40.4	59.9
Vermont	--	--	--	--	--	NM	--	--
Middle Atlantic	1,380	927	1,503	16,968	19,125	-11.3	6.0	6.8
New Jersey	14	7	54	677	831	-18.6	2.1	2.9
New York	1,088	810	1,258	12,787	16,254	-21.3	13.2	15.9
Pennsylvania	277	109	192	3,504	2,040	71.8	2.3	1.3
East North Central	161	125	128	1,681	1,342	25.3	.4	.3
Illinois	87	52	62	632	402	56.9	.5	.4
Indiana	14	11	13	162	274	-40.8	.2	.3
Michigan	37	32	23	580	447	29.7	.7	.6
Ohio	18	25	24	224	170	31.4	.2	.1
Wisconsin	4	6	5	84	48	75.6	.2	.1
West North Central	127	118	74	1,204	729	65.1	.6	.4
Iowa	3	3	4	24	25	-4.5	.1	.1
Kansas	5	3	3	51	26	94.3	.2	.1
Minnesota	52	41	55	559	577	-3.2	1.5	1.7
Missouri	65	66	7	517	65	699.6	1.1	.1
Nebraska	--	--	2	15	5	180.6	.1	--
North Dakota	2	4	3	32	27	19.4	.1	.1
South Dakota	--	1	--	6	4	60.5	.1	.1
South Atlantic	3,230	3,423	2,769	38,913	32,310	20.4	7.4	6.5
Delaware	201	120	139	1,786	1,645	8.6	24.3	28.6
District of Columbia	-1	-1	-1	161	58	178.6	97.9	81.2
Florida	2,689	3,044	2,383	31,522	26,411	19.4	24.4	21.3
Georgia	6	4	4	138	90	53.3	.2	.1
Maryland	253	218	208	3,154	2,432	29.7	8.1	6.8
North Carolina	9	13	11	114	111	3.2	.1	.1
South Carolina	3	3	4	69	53	30.2	.1	.1
Virginia	49	4	7	1,776	1,347	31.8	3.8	3.0
West Virginia	21	18	15	193	164	18.1	.3	.2
East South Central	407	588	31	3,444	581	493.1	1.4	.2
Alabama	6	4	9	57	63	-10.4	.1	.1
Kentucky	6	6	6	85	77	11.0	.1	.1
Mississippi	382	571	8	3,219	374	759.6	14.9	2.0
Tennessee	13	7	7	83	66	25.2	.1	.1
West South Central	134	165	133	2,018	646	212.3	.6	.2
Arkansas	6	5	4	47	44	5.2	.1	.1
Louisiana	108	144	100	1,690	372	354.6	3.1	.7
Oklahoma	3	2	2	12	12	.5	--	--
Texas	17	15	27	269	218	23.5	.1	.1
Mountain	35	21	74	416	416	--	.2	.2
Arizona	2	2	2	54	64	-15.7	.1	.1
Colorado	1	1	2	8	34	-75.5	--	.1
Idaho	--	--	--	--	--	--	--	--
Montana	1	3	--	18	13	37.2	.1	.1
Nevada	19	1	59	222	194	14.7	1.2	1.0
New Mexico	4	3	3	33	32	2.8	.1	.1
Utah	4	4	2	28	28	-.3	.1	.1
Wyoming	4	7	5	53	51	2.9	.1	.1
Pacific Contiguous	263	1	36	1,222	265	362.0	.5	.1
California	263	1	36	1,210	256	373.6	1.1	.2
Oregon	--	--	--	5	6	-14.2	--	--
Washington	--	--	--	7	3	114.9	--	--
Pacific Noncontiguous	413	490	410	4,579	5,371	-14.7	47.0	53.4
Alaska	--	--	--	1	1	-43.3	--	--
Hawaii	413	490	409	4,578	5,370	-14.7	81.7	84.8
U.S. Total	7,272	7,450	6,594	86,014	79,878	7.7	3.3	3.1

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

NM = Calculation not meaningful.

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

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

Table 10. Electric Utility GT/IC Net Generation from Petroleum by Census Division and State
(Million Kilowatthours)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Petroleum (GT/IC)			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	9	15	14	184	194	-5.2	0.2	0.3
Connecticut	*	*	1	9	10	-5.0	*	*
Maine	*	*	*	2	1	273.6	*	*
Massachusetts	8	13	12	160	174	-8.3	.6	.6
New Hampshire	*	*	*	1	1	NM	*	*
Rhode Island	1	1	*	9	7	15.6	17.6	7.1
Vermont	1	1	*	4	2	133.3	.1	*
Middle Atlantic	5	8	5	361	243	48.2	.1	.1
New Jersey	1	3	1	113	95	18.7	.3	.3
New York	2	4	5	165	104	58.7	.2	.1
Pennsylvania	2	1	*	83	45	86.3	.1	*
East North Central	6	16	2	95	22	338.2	*	*
Illinois	*	1	1	17	6	187.6	*	*
Indiana	2	8	*	19	1	1454.9	*	*
Michigan	2	2	*	17	6	178.3	*	*
Ohio	1	2	1	26	7	299.1	*	*
Wisconsin	1	3	1	15	2	734.4	*	*
West North Central	3	2	3	112	37	199.6	.1	*
Iowa	1	1	*	20	7	198.0	.1	*
Kansas	1	1	1	23	16	39.5	.1	.1
Minnesota	1	*	*	10	3	242.4	*	*
Missouri	-1	*	*	48	5	801.8	.1	*
Nebraska	*	*	*	4	3	16.5	*	*
North Dakota	*	*	*	1	*	NM	*	*
South Dakota	*	*	*	7	3	151.9	.1	*
South Atlantic	32	28	87	792	719	10.2	.2	.1
Delaware	1	*	1	14	7	98.0	.2	.1
District of Columbia	*	*	*	3	13	-74.1	2.1	18.8
Florida	23	21	79	491	530	-7.3	.4	.4
Georgia	2	4	1	93	33	179.0	.1	*
Maryland	3	1	2	101	39	156.5	.3	.1
North Carolina	*	1	2	34	21	63.7	*	*
South Carolina	*	*	2	22	7	207.5	*	*
Virginia	3	*	*	33	67	-51.5	.1	.2
West Virginia	*	*	*	*	*	NM	*	*
East South Central	3	5	5	156	46	238.6	.1	*
Alabama	1	*	*	4	11	-61.6	*	*
Kentucky	*	*	--	1	*	NM	*	*
Mississippi	*	*	*	10	*	NM	*	*
Tennessee	2	5	4	141	35	304.1	.2	.1
West South Central	2	2	2	21	14	48.9	*	*
Arkansas	*	*	*	10	*	NM	*	*
Louisiana	*	*	*	*	-3	NM	*	*
Oklahoma	*	*	*	1	1	49.5	*	*
Texas	1	1	2	9	16	-39.8	*	*
Mountain	2	*	1	9	20	-56.3	*	*
Arizona	2	*	*	3	5	-39.1	*	*
Colorado	*	*	1	*	4	NM	*	*
Idaho	--	--	*	*	*	NM	*	*
Montana	--	*	*	*	*	NM	*	*
Nevada	*	*	*	2	6	-65.2	*	*
New Mexico	*	*	*	*	*	NM	*	*
Utah	*	*	*	3	4	-24.5	*	*
Wyoming	--	--	*	--	*	NM	--	*
Pacific Contiguous	4	3	4	93	50	83.8	*	*
California	3	3	3	41	48	-15.5	*	*
Oregon	1	*	1	27	1	1905.4	.1	*
Washington	*	*	*	25	1	2425.0	*	*
Pacific								
Noncontiguous	140	129	122	1,417	1,303	8.8	14.5	12.9
Alaska	44	32	34	400	344	16.2	9.7	9.2
Hawaii	96	98	88	1,017	958	6.1	18.1	15.1
U.S. Total	207	209	244	3,239	2,648	22.3	.1	.1

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

NM = Calculation not meaningful.

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

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

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

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Gas Generation			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	166	250	387	2,958	4,086	-27.6	3.9	5.3
Connecticut	1	1	1	46	201	-77.3	.2	.9
Maine	--	--	--	--	--	--	--	--
Massachusetts	163	247	384	2,860	3,730	-23.3	11.1	12.4
New Hampshire	--	--	--	12	57	-79.8	.1	.5
Rhode Island	3	--	--	20	35	-41.3	41.9	33.1
Vermont	--	2	2	21	63	-67.4	.5	1.5
Middle Atlantic	1,129	1,559	1,177	19,318	22,270	-13.3	6.9	7.9
New Jersey	117	86	95	2,884	3,234	-10.8	8.9	11.4
New York	968	1,408	1,074	15,659	18,790	-16.7	16.1	18.4
Pennsylvania	45	65	8	775	246	214.8	.5	.2
East North Central	254	280	151	2,577	2,744	-6.1	.5	.6
Illinois	146	168	20	1,070	746	43.4	.8	.7
Indiana	53	40	51	481	626	-23.1	.5	.7
Michigan	38	31	58	640	983	-34.9	.8	1.3
Ohio	3	5	5	174	212	-17.8	.1	.2
Wisconsin	14	17	16	212	177	19.4	.5	.4
West North Central	139	179	93	2,673	1,826	46.4	1.3	.9
Iowa	8	13	14	294	135	118.1	1.0	.5
Kansas	79	99	35	1,592	1,022	55.8	4.8	3.5
Minnesota	34	23	23	255	355	-28.3	.7	1.0
Missouri	12	32	5	381	180	112.4	.8	.3
Nebraska	5	11	15	144	134	7.4	.7	.7
North Dakota	*	*	*	*	*	NM	*	*
South Dakota	1	1	2	7	*	NM	.1	*
South Atlantic	1,497	1,821	1,227	20,699	20,810	-.5	3.9	4.2
Delaware	145	161	38	871	566	54.0	11.9	9.8
District of Columbia	--	--	--	--	--	--	--	--
Florida	1,149	1,465	1,140	16,696	17,838	-6.4	12.9	14.4
Georgia	3	4	*	214	77	179.5	.2	.1
Maryland	51	34	30	638	826	-22.7	1.6	2.3
North Carolina	8	5	12	226	247	-8.5	.3	.3
South Carolina	*	*	6	120	149	-19.8	.2	.2
Virginia	139	152	1	1,921	1,087	76.8	4.1	2.4
West Virginia	2	*	1	13	20	-37.1	*	*
East South Central	326	352	149	3,420	4,463	-23.4	1.4	1.8
Alabama	26	23	40	407	345	18.1	.5	.4
Kentucky	2	2	2	22	22	-.4	*	*
Mississippi	298	328	106	2,871	4,070	-29.4	13.3	21.4
Tennessee	--	--	1	120	27	340.3	.2	*
West South Central	10,831	12,734	9,148	137,607	127,070	8.3	37.8	36.5
Arkansas	257	285	16	1,886	2,567	-26.5	5.4	7.6
Louisiana	1,802	2,239	1,286	22,383	23,449	-4.5	41.0	46.1
Oklahoma	1,141	1,281	842	14,472	14,037	3.1	32.3	33.4
Texas	7,632	8,929	7,004	98,866	87,017	13.6	43.1	39.3
Mountain	531	576	311	6,862	7,884	-13.0	3.0	3.4
Arizona	126	144	52	1,760	2,888	-39.0	2.8	4.5
Colorado	35	36	29	343	315	9.0	1.2	1.1
Idaho	--	--	--	--	--	--	--	--
Montana	5	2	4	20	22	-10.0	.1	.1
Nevada	136	173	79	1,859	2,172	-14.5	10.4	11.5
New Mexico	181	177	133	2,377	1,946	22.1	9.3	7.7
Utah	47	43	12	494	533	-7.9	1.6	1.8
Wyoming	*	1	1	9	8	13.4	*	*
Pacific Contiguous	5,421	4,962	5,142	43,200	53,688	-19.5	18.6	24.1
California	5,191	4,744	4,999	41,420	51,852	-20.1	36.0	47.4
Oregon	230	218	143	1,384	1,372	.9	3.7	3.6
Washington	1	*	*	396	463	11.6	.5	.6
Pacific Noncontiguous	239	211	246	2,240	2,286	-2.0	23.0	22.7
Alaska	239	211	246	2,240	2,286	-2.0	54.2	61.3
Hawaii	--	--	--	--	--	--	--	--
U.S. Total	20,533	22,906	18,031	241,555	247,127	-2.3	9.2	9.7

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

NM = Calculation not meaningful.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding.

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

Table 12. Electric Utility Steam Net Generation from Gas by Census Division and State
(Million Kilowatthours)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Gas (Steam)			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	161	233	357	2,691	3,738	-28.0	3.5	4.8
Connecticut	1	1	1	46	201	-77.3	.2	.9
Maine	--	--	--	--	--	--	--	--
Massachusetts	158	230	353	2,593	3,382	-23.3	10.1	11.2
New Hampshire	--	--	--	12	57	-79.8	.1	.5
Rhode Island	3	--	--	20	35	-41.3	41.9	33.1
Vermont	--	2	2	21	63	-67.4	.5	1.5
Middle Atlantic	1,068	1,487	1,128	18,212	21,439	-15.1	6.5	7.6
New Jersey	63	22	50	2,115	2,618	-19.2	6.6	9.3
New York	963	1,402	1,071	15,354	18,595	-17.4	15.8	18.2
Pennsylvania	42	63	8	743	226	229.6	.5	.1
East North Central	242	243	128	2,317	2,454	-5.6	.5	.6
Illinois	146	168	19	1,052	729	44.3	.8	.6
Indiana	48	30	49	412	608	-32.3	.5	.7
Michigan	36	29	41	566	767	-26.2	.7	1.0
Ohio	1	2	5	102	188	-45.6	.1	.2
Wisconsin	11	15	14	185	162	13.9	.4	.4
West North Central	122	160	83	2,186	1,531	42.8	1.1	.8
Iowa	8	13	13	214	110	95.2	.8	.4
Kansas	67	87	27	1,343	850	57.9	4.0	2.9
Minnesota	34	22	23	247	325	-24.1	.7	.9
Missouri	9	31	5	278	133	108.4	.6	.3
Nebraska	4	8	13	101	111	-9.1	.5	.6
North Dakota	.	.	--	.	.	NM	.	.
South Dakota	.	.	2	3	1	264.8	.1	.
South Atlantic	1,113	1,454	1,047	16,380	18,270	-10.3	3.1	3.6
Delaware	1	31	13	159	334	-52.3	2.2	5.8
District of Columbia	--	--	--	--	--	--	--	--
Florida	1,080	1,406	1,011	15,584	16,948	-8.0	12.0	13.7
Georgia	1	2	-1	184	71	160.1	.2	.1
Maryland	21	10	15	326	611	-46.7	.8	1.7
North Carolina	1	1	3	51	66	-23.0	.1	.1
South Carolina	.	.	4	24	107	-77.6	.	.2
Virginia	6	5	.	39	113	-65.9	.1	.3
West Virginia	2	.	1	13	20	-37.1	.	.
East South Central	279	301	97	2,607	3,802	-31.4	1.0	1.6
Alabama	26	22	37	272	297	-8.5	.3	.4
Kentucky	2	2	2	19	20	-5.0	.	.

West South Central	10,344	12,218	8,677	131,990	121,334	8.8	36.3	34.8
Arkansas	257	285	16	1,886	2,567	-26.5	5.4	7.6
Louisiana	1,764	2,207	1,217	21,787	22,921	-4.9	39.9	45.0
Oklahoma	863	1,026	697	11,910	11,479	3.8	26.6	27.3
Texas	7,460	8,700	6,746	96,407	84,368	14.3	42.0	38.1
Mountain	435	458	263	5,462	6,774	-19.4	2.4	2.9
Arizona	55	59	28	829	2,044	-59.5	1.3	3.2
Colorado	30	34	26	307	277	11.0	1.0	1.0
Idaho	--	--	--	--	--	--	--	--
Montana	3	1	2	9	15	-35.9	.	.1
Nevada	133	155	75	1,581	2,087	-23.8	8.9	11.0
New Mexico	181	176	132	2,343	1,922	21.9	9.1	7.6
Utah	32	33	.	373	422	-11.5	1.2	1.4
Wyoming	.	1	1	9	8	13.4	.	.
Pacific Contiguous	5,023	4,479	4,943	40,232	50,350	-20.1	17.6	22.6
California	5,022	4,479	4,943	40,231	50,345	-20.1	34.9	46.0
Oregon	--	--	--	--	--	NM	--	--
Washington	.	.	.	1	5	-79.0	.	.
Pacific Noncontiguous	49	36	44	380	374	1.5	3.9	3.7
Alaska	49	36	44	380	374	1.5	9.2	10.0

Table 13. Electric Utility GT/IC Net Generation from Gas by Census Division and State
(Million Kilowatthours)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Gas (GT/IC)			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	4	17	30	267	348	-23.4	0.4	0.5
Connecticut	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--
Massachusetts	4	17	30	267	348	-23.4	1.0	1.2
New Hampshire	--	--	--	--	--	NM	--	--
Rhode Island	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--
Middle Atlantic	61	73	48	1,106	832	33.0	.4	.3
New Jersey	54	65	45	769	616	24.9	2.4	2.2
New York	5	7	3	306	195	56.6	.3	.2
Pennsylvania	2	1	*	31	21	52.6	*	*
East North Central	13	17	23	260	290	-10.4	.1	.1
Illinois	*	*	1	18	17	8.5	*	*
Indiana	5	10	2	69	18	287.4	.1	*
Michigan	2	2	17	74	217	-65.9	.1	.3
Ohio	2	3	*	72	24	198.3	.1	*
Wisconsin	3	2	2	27	15	78.6	.1	*
West North Central	17	19	10	487	295	64.9	.2	.2
Iowa	*	1	1	80	25	218.1	.3	.1
Kansas	12	13	8	248	171	45.0	.7	.6
Minnesota	*	*	*	8	30	-74.2	*	.1
Missouri	3	1	*	103	46	123.8	.2	.1
Nebraska	1	3	2	43	23	86.4	.2	.1
North Dakota	*	*	*	*	*	NM	*	*
South Dakota	1	1	*	4	*	NM	.1	*
South Atlantic	384	367	180	4,320	2,539	70.1	.8	.5
Delaware	144	130	25	712	232	207.5	9.7	4.0
District of Columbia	--	--	--	--	--	--	--	--
Florida	69	59	128	1,112	890	25.0	.9	.7
Georgia	1	2	1	30	6	422.9	*	*
Maryland	30	24	15	312	215	45.2	.8	.6
North Carolina	6	4	9	175	181	-3.2	.2	.2
South Carolina	*	*	2	96	42	125.6	.1	.1
Virginia	133	147	1	1,883	974	93.4	4.0	2.2
West Virginia	--	--	--	--	--	--	--	--
East South Central	47	52	52	814	661	23.0	.3	.3
Alabama	--	1	3	135	48	184.2	.2	.1
Kentucky	*	*	*	2	1	62.3	*	*
Mississippi	47	50	48	556	585	-5.0	2.6	3.1
Tennessee	--	--	1	120	27	340.3	.2	*
West South Central	487	516	471	5,617	5,735	-2.1	1.5	1.6
Arkansas	--	--	--	--	--	NM	*	--
Louisiana	37	32	68	596	528	12.8	1.1	1.0
Oklahoma	278	255	145	2,562	2,557	.2	5.7	6.1
Texas	172	229	258	2,459	2,650	-7.2	1.1	1.2
Mountain	96	118	48	1,401	1,110	26.1	.6	.5
Arizona	71	85	25	931	844	10.4	1.5	1.3
Colorado	5	2	4	36	39	-5.6	.1	.1
Idaho	--	--	--	--	--	--	--	--
Montana	2	1	3	11	8	38.9	.1	*
Nevada	3	19	3	268	85	213.9	1.5	.4
New Mexico	*	1	2	33	24	40.1	.1	.1
Utah	15	10	12	121	111	8.7	.4	.4
Wyoming	--	--	--	--	--	--	--	--
Pacific Contiguous	399	483	199	2,968	3,338	-11.1	1.3	1.5
California	169	264	56	1,189	1,507	-21.1	1.0	1.4
Oregon	230	218	143	1,384	1,372	.9	3.7	3.6
Washington	*	*	*	395	458	-13.9	.5	.6
Pacific Noncontiguous	190	175	202	1,860	1,912	-2.7	19.1	19.0
Alaska	190	175	202	1,860	1,912	-2.7	45.0	51.3
Hawaii	--	--	--	--	--	--	--	--
U.S. Total	1,698	1,835	1,265	19,099	17,062	11.9	.7	.7

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

NM = Calculation not meaningful.

Notes: •GT/IC=Gas Turbine/Internal Combustion. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding.

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

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

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Hydroelectric Generation			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	332	263	381	3,291	3,616	-9.0	4.3	4.7
Connecticut	29	14	41	289	304	-4.8	1.1	1.3
Maine	121	109	121	1,409	1,606	-12.2	19.5	21.0
Massachusetts	8	-8	19	-42	90	NM	-2	.3
New Hampshire	94	77	110	890	887	.3	6.7	7.3
Rhode Island	--	--	--	--	--	--	--	--
Vermont	80	71	91	744	730	1.9	18.7	17.2
Middle Atlantic	2,400	1,994	2,509	25,237	23,980	5.2	9.0	8.5
New Jersey	-10	-9	-14	-110	-122	NM	-3	-4
New York	2,293	2,006	2,409	24,447	23,029	6.2	25.2	22.6
Pennsylvania	117	-3	114	899	1,073	-16.2	.6	.7
East North Central	282	250	365	3,464	3,523	-1.7	.7	.8
Illinois	4	2	6	35	47	-24.0	*	*
Indiana	29	41	60	414	509	-18.7	.5	.6
Michigan	73	36	87	812	796	2.0	1.0	1.1
Ohio	20	19	21	164	222	-26.0	.1	.2
Wisconsin	156	152	192	2,039	1,950	4.6	4.7	4.6
West North Central	935	917	531	8,807	8,585	2.6	4.4	4.4
Iowa	89	86	83	651	899	-27.6	2.3	3.4
Kansas	--	--	--	--	--	--	--	--
Minnesota	58	58	54	774	711	8.9	2.1	2.1
Missouri	299	319	154	2,908	1,082	168.9	6.0	2.1
Nebraska	104	105	51	908	1,013	-10.4	4.4	5.0
North Dakota	101	95	83	1,286	1,544	-16.7	5.0	6.0
South Dakota	284	253	106	2,280	3,335	-31.6	48.9	58.5
South Atlantic	612	483	1,736	14,089	13,795	2.1	2.7	2.8
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	19	13	20	188	216	-12.9	.1	.2
Georgia	212	200	531	4,501	4,060	10.9	5.1	4.8
Maryland	154	57	203	1,397	1,611	-13.3	3.6	4.5
North Carolina	167	205	610	4,778	5,020	-4.8	6.0	6.6
South Carolina	46	44	326	2,482	2,202	12.7	3.6	3.4
Virginia	-11	-49	17	425	306	39.1	.9	.7
West Virginia	25	14	28	318	380	-16.4	.5	.6
East South Central	1,000	899	2,629	18,553	20,633	-10.1	7.4	8.6
Alabama	396	302	1,346	8,243	8,764	-5.9	9.6	10.6
Kentucky	189	198	333	2,818	3,422	-17.6	3.7	4.9
Mississippi	--	--	--	--	--	--	--	--
Tennessee	415	400	951	7,492	8,447	-11.3	11.4	12.2
West South Central	556	647	595	9,710	8,257	17.6	2.7	2.4
Arkansas	273	299	210	3,963	2,983	32.8	11.4	8.8
Louisiana	--	--	--	--	--	--	--	--
Oklahoma	218	276	307	4,056	2,763	46.8	9.1	6.6
Texas	65	72	78	1,691	2,512	-32.7	.7	1.1
Mountain	2,319	2,336	1,847	28,699	24,425	17.5	12.4	10.5
Arizona	457	467	401	6,387	6,441	-.8	10.3	10.1
Colorado	104	103	95	1,853	1,403	32.1	6.2	4.8
Idaho	470	565	397	8,481	5,849	45.0	10.0	10.0
Montana	1,013	917	763	8,434	7,486	12.7	40.0	32.4
Nevada	149	182	124	1,780	1,848	-3.7	10.0	9.7
New Mexico	13	12	10	280	245	14.3	1.1	1.0
Utah	75	56	31	742	546	35.9	2.4	1.8
Wyoming	38	35	26	742	608	22.1	2.0	1.6
Pacific Contiguous	9,356	8,993	8,619	130,985	108,094	21.2	57.1	48.4
California	1,811	2,141	1,025	36,237	17,937	102.0	31.5	16.4
Oregon	2,345	2,370	2,459	32,984	28,413	16.1	88.2	75.4
Washington	5,200	4,482	5,135	61,765	61,744	*	80.5	81.1
Pacific Noncontiguous	105	116	81	1,212	844	43.7	12.4	8.4
Alaska	103	115	80	1,201	836	43.6	29.1	22.4
Hawaii	2	2	2	12	8	51.5	.2	.1
U.S. Total	17,898	16,899	19,294	244,047	215,751	13.1	9.3	8.5

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

NM = Calculation not meaningful.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Pumping energy used at pumped storage plants for November 1993 was 1,735 million kilowatthours. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding.

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

Table 15. Electric Utility Nuclear-Powered Net Generation by Census Division and State
(Million Kilowatthours)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Nuclear Generation			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	3,909	2,707	2,695	39,844	34,946	14.0	52.4	45.3
Connecticut	1,856	1,180	1,379	19,522	15,255	28.0	75.4	66.8
Maine	619	327	627	5,089	4,807	5.9	70.4	62.9
Massachusetts	386	489	66	3,866	4,417	-12.5	15.1	14.7
New Hampshire	677	646	292	8,209	7,116	15.3	62.0	58.5
Rhode Island	--	--	--	--	--	--	--	--
Vermont	371	65	331	3,158	3,351	-5.7	79.2	79.2
Middle Atlantic	7,431	7,231	9,306	102,832	95,123	8.1	36.5	33.7
New Jersey	1,981	1,935	2,284	23,771	19,384	22.6	73.7	68.6
New York	1,458	1,944	2,625	24,191	21,129	14.5	24.9	20.7
Pennsylvania	3,993	3,352	4,396	54,871	54,610	.5	36.0	36.0
East North Central	9,182	8,730	9,891	118,018	107,014	10.3	25.1	24.1
Illinois	4,750	5,229	6,047	72,898	66,956	8.9	56.7	59.0
Indiana	--	--	--	--	--	--	--	--
Michigan	2,474	2,083	1,563	25,926	16,693	55.3	30.8	22.3
Ohio	882	661	1,451	8,855	13,278	-33.3	7.2	10.7
Wisconsin	1,076	758	830	10,339	10,087	2.5	23.7	23.9
West North Central	2,692	2,695	3,161	34,466	36,550	-5.7	17.3	18.9
Iowa	384	172	303	2,843	3,024	-6.0	10.1	11.3
Kansas	818	851	766	7,043	7,635	-7.8	21.2	26.4
Minnesota	770	1,112	355	11,014	10,847	1.5	29.4	31.3
Missouri	154	-9	838	7,527	7,218	4.3	15.5	14.0
Nebraska	567	568	900	6,039	7,826	-22.8	29.5	39.0
North Dakota	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--
South Atlantic	14,186	13,647	13,423	143,262	140,918	1.7	27.3	28.1
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	2,479	2,427	2,123	23,350	22,869	2.1	18.0	18.4
Georgia	2,489	2,055	2,190	24,608	25,514	-3.6	28.0	30.5
Maryland	1,234	1,257	1,179	11,019	9,383	17.4	28.2	26.3
North Carolina	2,763	1,912	1,613	21,027	20,487	2.6	26.2	27.1
South Carolina	3,131	4,123	4,189	42,881	41,451	3.4	61.3	63.7
Virginia	2,091	1,874	2,130	20,378	21,215	-3.9	43.3	47.5
West Virginia	--	--	--	--	--	--	--	--
East South Central	1,796	1,419	3,571	26,172	39,008	-32.9	10.5	16.2
Alabama	1,354	1,410	1,221	16,077	17,730	-9.3	18.8	21.4
Kentucky	--	--	--	--	--	--	--	--
Mississippi	--	--	857	7,185	7,277	-1.3	33.2	38.2
Tennessee	442	9	1,493	2,910	14,001	-79.2	4.4	20.3
West South Central	3,189	3,023	3,020	36,522	42,757	-14.6	10.0	12.3
Arkansas	1,180	795	1,230	12,232	10,032	21.9	35.1	29.6
Louisiana	1,355	1,338	941	12,923	9,072	42.5	23.6	17.8
Oklahoma	--	--	--	--	--	--	--	--
Texas	654	890	849	11,367	23,653	-51.9	5.0	10.7
Mountain	1,360	1,542	1,778	20,345	22,904	-11.2	8.8	9.8
Arizona	1,360	1,542	1,778	20,345	22,904	-11.2	32.8	36.0
Colorado	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--
Pacific Contiguous	3,118	3,439	3,880	35,720	41,482	-13.9	15.6	18.6
California	2,316	2,616	2,991	29,434	32,038	-8.1	25.6	29.3
Oregon	--	--	211	-21	4,581	NM	-.1	12.2
Washington	802	823	679	6,308	4,863	29.7	8.2	6.4
Pacific Noncontiguous	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--
U.S. Total	46,862	44,434	50,726	557,183	560,701	-6	21.1	22.0

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

NM = Calculation not meaningful.

Notes: •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding.

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

Table 16. Electric Utility Net Generation from Other Energy Sources by Census Division and State
(Million Kilowatthours)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date				
				Other Generation			Share of Total (Percent)	
				1993 ¹	1992 ²	Difference (Percent)	1993 ¹	1992 ²
New England	30	44	15	426	425	0.3	0.6	0.6
Connecticut	28	43	--	367	338	8.7	1.4	1.5
Maine	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--
Vermont	2	2	15	59	87	-32.0	1.5	2.1
Middle Atlantic	2	1	--	11	--	--	*	--
New Jersey	--	--	--	--	--	--	--	--
New York	2	1	--	11	--	--	*	--
Pennsylvania	--	--	--	--	--	--	--	--
East North Central	27	22	40	261	430	-39.1	.1	.1
Illinois	--	--	--	--	8	--	--	*
Indiana	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--
Ohio	--	--	27	64	286	-77.6	.1	.2
Wisconsin	27	22	13	197	135	46.5	.5	.3
West North Central	35	38	36	410	394	4.0	.2	.2
Iowa	1	2	1	18	13	39.1	.1	*
Kansas	*	*	*	*	*	NM	*	*
Minnesota	33	36	33	384	376	2.3	1.0	1.1
Missouri	1	--	--	1	--	--	*	--
Nebraska	*	*	2	6	5	17.3	*	*
North Dakota	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--
South Atlantic	*	--	--	*	*	NM	*	*
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--
Virginia	*	--	--	*	*	NM	*	*
West Virginia	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--
West South Central	27	16	23	267	255	4.6	.1	.1
Arkansas	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--
Texas	27	16	23	267	255	4.6	.1	.1
Mountain	23	24	23	202	241	-16.0	.1	.1
Arizona	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Montana	7	7	6	71	72	-9	.3	.3
Nevada	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--
Utah	16	17	17	131	169	-22.4	.4	.6
Wyoming	--	--	--	--	--	--	--	--
Pacific Contiguous	650	654	702	7,173	7,582	-5.4	3.1	3.4
California	605	609	661	6,811	7,260	-6.2	5.9	6.6
Oregon	--	--	--	11	4	171.5	*	*
Washington	45	45	42	352	318	10.7	.5	.4
Pacific Noncontiguous	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--
U.S. Total	793	799	840	8,751	9,326	-6.2	.3	.4

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

NM = Calculation not meaningful.

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

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

U.S. Electric Utility Consumption of Fossil Fuels

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

Table 17. U.S. Electric Utility Consumption of Fossil Fuels, 1983 Through November 1993

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)	Gas (thousand Mcf)
	Anthracite ¹	Bituminous ²	Lignite	Total	Light	Heavy	Total		
1983	1,036	570,108	54,067	625,211	16,512	228,984	245,497	261	2,910,767
1984	1,070	606,339	56,990	664,399	15,190	189,289	204,479	252	3,111,342
1985	1,033	631,885	60,923	693,841	14,635	158,779	173,414	231	3,044,083
1986	829	616,134	68,093	685,056	14,326	216,156	230,482	313	2,602,370
1987	972	647,824	69,098	717,894	15,367	184,011	199,378	348	2,844,051
1988	1,063	681,048	76,260	758,372	18,769	229,327	248,096	409	2,635,613
1989	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 ³									
January	80	60,881	7,304	68,264	1,103	15,811	16,915	71	169,125
February	80	53,687	6,415	60,183	806	12,730	13,536	76	170,293
March	93	56,243	6,368	62,705	843	13,492	14,336	83	207,656
April	73	53,314	5,407	58,794	811	9,929	10,740	66	229,012
May	69	54,664	5,858	60,591	843	7,910	8,752	50	236,316
June	84	57,179	6,859	64,122	1,077	11,372	12,449	66	265,882
July	90	66,318	7,407	73,815	1,428	12,939	14,367	72	333,567
August	84	62,937	7,616	70,637	1,011	10,607	11,619	115	302,544
September	83	58,899	6,985	65,967	849	10,456	11,305	98	273,670
October	85	56,366	6,356	62,806	792	10,454	11,246	103	212,640
November	74	56,186	6,352	62,612	1,004	10,330	11,333	93	189,296
December	93	61,951	7,321	69,365	989	9,749	10,737	105	175,608
1992 Total	986	698,626	80,248	779,860	11,556	135,779	147,335	999	2,765,608
1993 ⁴									
January	79	61,793	7,617	69,490	1,011	10,804	11,815	92	164,400
February	88	57,682	6,431	64,201	934	10,591	11,525	81	161,778
March	101	60,969	6,002	67,073	1,277	12,784	14,062	87	193,795
April	84	53,722	5,757	59,563	819	7,629	8,448	79	173,709
May	81	53,450	6,570	60,102	867	7,722	8,590	86	167,146
June	80	61,085	6,948	68,113	1,113	11,756	12,870	98	254,601
July	73	71,124	7,511	78,708	1,815	16,896	18,711	125	333,405
August	67	70,241	7,624	77,932	1,570	18,044	19,614	112	356,695
September	60	60,154	6,289	66,504	1,030	14,730	15,760	129	258,812
October	64	59,094	5,752	64,909	897	11,324	12,221	112	233,192
November	81	59,385	6,211	65,677	887	11,339	12,226	101	208,122
Year to Date									
1993 ⁴	859	668,701	72,712	742,272	12,221	133,620	145,842	1100	2,505,654
1992 ³	893	636,675	72,927	710,495	10,567	126,031	136,598	893	2,590,000

¹ Includes anthracite silt stored off-site.

² Includes subbituminous coal.

³ Data for 1992 and prior years are final.

⁴ Data for 1993 are preliminary.

Notes: •Totals may not equal sum of components because of independent rounding. •Mcf=thousand cubic feet.

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

The Wabash River Generating Station is a coal-fired facility operated by Public Service Company of Indiana.

Table 18. Electric Utility Consumption of Coal by NERC Region and Hawaii
(Thousand Short Tons)

NERC Region and Hawaii	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
ECAR	15,376	15,486	15,114	174,740	169,722	3.0
ERCOT	5,277	5,195	5,049	65,508	61,926	5.8
MAAC	3,124	3,264	2,963	37,338	37,000	.9
MAIN	5,712	5,355	4,366	55,661	48,954	13.7
MAPF (U.S.)	6,087	5,636	5,851	63,964	60,123	6.4
NPCC (U.S.)	1,204	1,186	1,211	13,199	14,639	-9.8
SERC	11,882	12,226	10,795	146,830	134,031	9.5
SPP	7,135	6,781	7,790	83,514	80,958	3.2
WSCC (U.S.)	9,855	9,758	9,647	101,248	102,893	-1.6
Contiguous U.S.	65,650	64,886	62,586	742,004	710,246	4.5
ASCC	27	23	26	268	249	7.7
Hawaii	--	--	--	--	--	--
U.S. Total	65,677	64,909	62,612	742,272	710,495	4.5

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

Table 19. Electric Utility Consumption of Petroleum by NERC Region and Hawaii
(Thousand Barrels)

NERC Region and Hawaii	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
ECAR	213	217	173	2,753	2,223	23.9
ERCOT	29	27	51	254	401	-36.7
MAAC	1,314	763	1,055	17,295	12,482	38.6
MAIN	219	158	235	2,220	2,253	-1.4
MAPF (U.S.)	24	23	34	349	247	41.0
NPCC (U.S.)	3,862	4,087	4,557	47,929	58,581	-18.2
SERC	4,426	4,913	4,015	55,278	46,240	19.5
SPP	628	901	69	6,182	1,061	482.6
WSCC (U.S.)	548	51	202	3,012	1,396	115.7
Contiguous U.S.	11,263	11,139	10,391	135,273	124,885	8.3
ASCC	82	58	63	741	643	15.2
Hawaii	881	1,024	879	9,828	11,070	-11.2
U.S. Total	12,226	12,221	11,332	145,842	136,598	6.8

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

Table 20. Electric Utility Consumption of Gas by NERC Region and Hawaii
(Million Cubic Feet)

NERC Region and Hawaii	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
ECAR	1,945	2,063	2,603	25,446	33,414	-23.8
ERCOT	61,703	73,632	59,393	817,600	700,651	16.7
MAAC	3,687	3,348	2,407	57,821	59,672	-3.1
MAIN	2,190	2,568	532	19,665	11,738	67.5
MAPP (U.S.)	684	619	800	10,056	8,986	11.9
NPCC (U.S.)	12,049	17,274	15,838	196,100	240,179	-18.4
SERC	13,755	16,046	14,646	213,774	231,022	-7.5
SPP	51,396	59,525	34,939	629,462	651,586	-3.4
WSCC (U.S.)	58,169	55,710	55,582	511,092	626,519	-18.4
Contiguous U.S.	205,578	230,785	186,540	2,481,016	2,583,768	-3.2
ASCC	2,544	2,407	2,756	24,638	26,232	-6.1
Hawaii	--	--	--	--	--	--
U.S. Total	208,122	233,192	189,296	2,505,654	2,590,000	-3.3

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

Table 21. Electric Utility Consumption of Coal by Census Division and State
(Thousand Short Tons)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
New England	453	477	469	5,271	5,536	-4.8
Connecticut	--	2	41	695	759	-8.4
Maine	--	--	--	--	--	--
Massachusetts	329	339	307	3,342	3,662	-8.7
New Hampshire	124	136	120	1,234	1,115	10.7
Rhode Island	--	--	--	--	--	--
Vermont	--	--	--	--	--	--
Middle Atlantic	3,969	4,156	3,820	46,818	48,017	-2.5
New Jersey	162	129	221	1,906	1,904	.1
New York	751	708	743	7,929	9,103	-12.9
Pennsylvania	3,056	3,320	2,857	36,984	37,010	-.1
East North Central	14,691	14,842	13,690	164,174	153,882	6.7
Illinois	3,151	2,998	2,037	28,643	22,950	24.8
Indiana	3,608	3,668	4,130	44,650	42,568	4.9
Michigan	2,318	2,382	2,230	26,203	25,743	1.8
Ohio	4,092	4,005	3,733	47,297	46,058	2.7
Wisconsin	1,521	1,589	1,560	17,381	16,562	4.9
West North Central	9,269	8,464	8,636	97,865	92,848	5.4
Iowa	1,159	1,075	1,139	15,193	13,929	9.1
Kansas	1,534	1,419	1,147	15,725	12,811	22.7
Minnesota	1,882	1,501	1,464	15,115	14,131	7.0
Missouri	1,776	1,549	2,059	20,100	21,755	-7.6
Nebraska	749	826	517	8,427	7,062	19.3
North Dakota	2,111	1,970	2,049	21,207	21,009	.9
South Dakota	258	125	261	2,098	2,152	-2.5
South Atlantic	10,338	10,102	9,599	121,409	115,562	5.1
Delaware	176	162	108	2,004	1,508	32.9
District of Columbia	--	--	--	--	--	--
Florida	1,819	1,874	1,723	23,223	22,851	1.6
Georgia	1,842	1,920	1,854	23,348	21,929	6.5
Maryland	775	830	667	8,697	8,125	7.0
North Carolina	1,710	1,637	1,518	20,983	19,365	8.4
South Carolina	764	873	619	9,514	8,351	13.9
Virginia	752	702	654	8,613	7,869	9.5
West Virginia	2,500	2,204	2,456	25,025	25,564	-2.1
East South Central	7,042	7,345	6,306	82,631	73,729	12.1
Alabama	2,293	2,358	2,082	25,059	23,012	8.9
Kentucky	2,822	2,887	2,673	32,037	28,871	11.0
Mississippi	217	318	137	3,566	3,044	17.2
Tennessee	1,710	1,781	1,415	21,969	18,801	16.8
West South Central	10,016	9,721	10,409	122,413	117,734	4.0
Arkansas	548	628	1,110	10,333	11,157	-7.4
Louisiana	1,042	832	1,154	11,964	11,856	.9
Oklahoma	1,496	1,305	1,519	16,021	15,198	5.4
Texas	6,930	6,957	6,627	84,096	79,523	5.7
Mountain	9,109	8,963	8,938	94,669	95,557	-.9
Arizona	1,554	1,656	1,503	16,674	15,624	6.7
Colorado	1,441	1,372	1,320	14,723	14,392	2.3
Idaho	--	--	--	--	--	--
Montana	890	819	997	8,010	9,768	-18.0
Nevada	691	737	511	7,229	7,040	2.7
New Mexico	1,417	1,154	1,364	13,485	13,402	.6
Utah	1,027	1,191	1,095	12,696	12,542	1.2
Wyoming	2,089	2,034	2,148	21,852	22,790	-4.1
Pacific Contiguous	764	815	719	6,754	7,362	-8.5
California	--	--	--	--	--	--
Oregon	166	218	173	1,723	1,804	-4.5
Washington	598	596	546	5,031	5,577	-9.8
Pacific Noncontiguous	27	23	26	268	249	7.7
Alaska	27	23	26	268	249	7.7
Hawaii	--	--	--	--	--	--
U.S. Total	65,677	64,909	62,612	742,272	710,495	4.5

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

Table 22. Electric Utility Consumption of Petroleum by Census Division and State
(Thousand Barrels)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
New England	2,033	2,718	2,501	26,378	31,703	-16.8
Connecticut	568	804	699	6,390	7,885	-19.0
Maine	15	159	108	1,327	2,174	-39.0
Massachusetts	1,238	1,367	1,422	16,478	19,334	-14.8
New Hampshire	209	385	263	2,096	2,138	-2.0
Rhode Island	1	1	10	71	165	-57.0
Vermont	2	2	15	15	7	107.4
Middle Atlantic	2,341	1,543	2,505	29,207	32,054	-8.9
New Jersey	48	28	114	1,646	1,866	-12.7
New York	1,829	1,369	2,056	21,551	26,878	-19.8
Pennsylvania	464	145	336	6,010	3,290	82.7
East North Central	379	300	360	4,275	3,885	10.0
Illinois	198	122	217	1,942	2,101	-7.5
Indiana	31	37	24	363	242	49.9
Michigan	93	78	60	1,347	1,021	31.9
Ohio	45	51	47	506	444	13.9
Wisconsin	12	11	12	116	76	52.5
West North Central	50	63	60	650	512	66.1
Iowa	9	8	11	106	80	32.8
Kansas	12	9	9	160	99	60.7
Minnesota	7	4	7	85	59	44.4
Missouri	16	1	20	367	180	103.9
Nebraska	1	1	6	41	22	85.9
North Dakota	3	7	6	63	54	16.8
South Dakota	1	4	1	28	17	61.3
South Atlantic	5,221	5,511	4,610	64,628	53,574	20.6
Delaware	310	184	208	2,924	2,421	20.8
District of Columbia	1	1	1	413	239	72.9
Florida	4,254	4,827	3,910	50,761	42,935	18.2
Georgia	15	16	10	493	256	92.7
Maryland	492	410	401	6,348	4,736	34.1
North Carolina	22	27	26	316	285	10.9
South Carolina	6	6	17	188	134	41.1
Virginia	84	9	13	2,857	2,293	24.6
West Virginia	36	31	24	326	276	18.2
East South Central	632	906	78	5,812	1,135	412.0
Alabama	12	8	17	110	128	-13.9
Kentucky	12	12	14	193	179	7.7
Mississippi	583	866	26	5,115	648	688.8
Tennessee	24	20	21	395	180	119.1
West South Central	60	49	74	1,120	628	78.3
Arkansas	10	10	8	114	86	32.7
Louisiana	12	5	7	692	84	728.4
Oklahoma	5	3	4	26	23	9.7
Texas	32	31	56	288	435	-33.7
Mountain	70	38	131	787	806	-2.3
Arizona	9	5	4	106	128	-17.4
Colorado	4	3	4	26	80	-68.0
Idaho	---	---	---	---	1	---
Montana	2	6	1	42	30	43.2
Nevada	32	2	101	399	354	12.8
New Mexico	9	5	7	67	66	1.9
Utah	8	5	4	52	55	-6.3
Wyoming	7	13	9	96	93	3.0
Pacific Contiguous	478	11	71	2,216	588	276.7
California	473	10	69	2,100	567	270.6
Oregon	4	1	2	54	12	361.1
Washington	2	1	1	62	10	523.3
Pacific Noncontiguous	963	1,082	942	10,569	11,713	-9.8
Alaska	82	58	63	741	643	15.2
Hawaii	881	1,024	879	9,828	11,070	-11.2
U.S. Total	12,226	12,221	11,333	145,842	136,598	6.8

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

Notes: *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. *Data do not include petroleum coke. *The November 1993 petroleum coke consumption was 101232 short tons.

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

Table 23. Consumption of Petroleum at Steam-Fired Electric Utility Plants by Census Division and State
(Thousand Barrels)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
New England	2,014	2,687	2,473	25,976	31,308	-17.0
Connecticut	568	803	695	6,363	7,856	-19.0
Maine	14	159	107	1,320	2,170	-39.2
Massachusetts	1,223	1,340	1,398	16,142	18,994	-15.0
New Hampshire	209	385	263	2,094	2,136	-2.0
Rhode Island	--	--	9	55	150	-63.6
Vermont	*	*	*	2	1	73.3
Middle Atlantic	2,312	1,512	2,482	26,218	31,380	-10.1
New Jersey	37	19	111	1,343	1,644	-18.3
New York	1,819	1,356	2,042	21,102	26,597	-20.7
Pennsylvania	456	137	329	5,773	3,139	83.9
East North Central	356	261	349	3,983	3,768	5.7
Illinois	186	120	214	1,894	2,080	-8.9
Indiana	27	22	24	315	235	34.2
Michigan	87	72	58	1,289	985	30.8
Ohio	38	44	44	420	409	2.7
Wisconsin	8	3	9	65	59	9.9
West North Central	37	52	48	506	360	40.4
Iowa	6	6	10	48	52	-8.3
Kansas	10	6	6	107	61	74.1
Minnesota	4	4	4	40	36	10.7
Missouri	13	29	16	213	140	52.5
Nebraska	1	*	5	27	11	149.0
North Dakota	3	6	6	60	53	14.1
South Dakota	*	2	1	11	7	47.0
South Atlantic	5,143	5,442	4,403	62,778	51,933	20.9
Delaware	309	183	204	2,891	2,400	20.4
District of Columbia	1	1	1	397	193	105.7
Florida	4,202	4,777	3,732	49,679	41,800	18.9
Georgia	10	8	8	275	173	58.9
Maryland	486	406	397	6,111	4,639	31.7
North Carolina	16	23	18	192	191	.3
South Carolina	4	6	6	118	94	25.1
Virginia	79	7	12	2,789	2,167	28.7
West Virginia	36	31	24	326	276	18.1
East South Central	627	897	70	5,456	1,052	418.9
Alabama	9	8	16	98	111	-11.7
Kentucky	12	12	14	189	177	6.5
Mississippi	583	866	26	5,033	648	676.5
Tennessee	21	12	14	137	115	18.8
West South Central	57	46	69	1,067	590	80.9
Arkansas	10	10	8	90	85	6.1
Louisiana	12	5	7	691	82	739.7
Oklahoma	5	3	4	22	21	5.2
Texas	30	28	50	264	402	-34.3
Mountain	63	37	129	755	754	.1
Arizona	4	4	4	96	115	-16.0
Colorado	3	3	3	22	69	-68.8
Idaho	--	--	--	--	--	--
Montana	2	6	1	42	29	44.4
Nevada	32	2	101	387	335	15.6
New Mexico	9	5	7	66	65	2.2
Utah	8	5	4	46	48	-5.0
Wyoming	7	13	9	96	93	3.0
Pacific Contiguous	467	2	59	2,024	465	335.7
California	466	2	59	2,001	448	346.8
Oregon	1	*	--	9	9	-2.9
Washington	1	1	1	15	8	92.8
Pacific Noncontiguous	706	842	722	7,970	9,297	-14.3
Alaska	*	*	1	2	3	-41.1
Hawaii	705	842	721	7,968	9,294	-14.3
U.S. Total	11,781	11,777	10,803	138,732	130,907	6.0

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

Notes: *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. *Data do not include petroleum coke. *The November 1993 petroleum coke consumption was 101232 short tons.

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

Table 24. Consumption of Petroleum at GT/IC Electric Utility Plants by Census Division and State
(Thousand Barrels)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
New England	20	31	29	402	395	1.9
Connecticut	1	2	4	27	28	-4.6
Maine	.	.	.	7	4	82.7
Massachusetts	16	27	24	337	340	-.9
New Hampshire	--	.	--	2	2	33.0
Rhode Island	1	1	1	17	15	8.1
Vermont	2	2	.	13	6	114.7
Middle Atlantic	29	31	23	989	674	46.8
New Jersey	11	9	3	303	242	25.6
New York	10	14	13	449	281	59.7
Pennsylvania	9	8	7	237	151	56.9
East North Central	23	40	11	292	116	150.6
Illinois	1	2	2	48	21	132.1
Indiana	5	15	1	48	8	533.8
Michigan	6	6	2	58	36	62.8
Ohio	7	7	3	86	35	142.9
Wisconsin	4	9	3	51	17	202.0
West North Central	14	11	12	344	151	127.4
Iowa	3	3	2	59	28	109.1
Kansas	2	3	3	53	38	39.0
Minnesota	4	1	3	45	23	97.3
Missouri	2	1	4	154	40	282.9
Nebraska	1	1	1	13	11	21.3
North Dakota	.	.	.	3	1	138.5
South Dakota	1	2	.	17	10	71.5
South Atlantic	78	69	207	1,850	1,641	12.7
Delaware	1	.	3	33	20	66.5
District of Columbia	--	.	.	17	46	-64.1
Florida	52	49	178	1,082	1,135	-4.7
Georgia	5	9	2	218	83	163.2
Maryland	6	4	4	237	96	145.9
North Carolina	6	4	8	124	94	32.6
South Carolina	2	1	10	71	39	79.4
Virginia	6	1	1	68	126	-46.4
West Virginia	.	.	.	.	.	-
East South Central	5	10	8	356	84	325.7
Alabama	2	1	.	12	16	-28.8
Kentucky	.	.	.	4	2	126.8
Mississippi	.	.	.	82	.	-
Tennessee	3	9	8	258	65	295.6
West South Central	3	3	6	53	38	39.5
Arkansas	.	1	.	24	1	2001.7
Louisiana	.	.	.	1	1	12.9
Oklahoma	.	.	.	3	2	56.4
Texas	2	2	5	24	34	-27.5
Mountain	7	1	2	33	52	-37.0
Arizona	5	.	.	10	14	-28.9
Colorado	1	.	1	4	11	-62.5
Idaho	--	--	.	.	1	-
Montana	--	.	.	1	1	-3.6
Nevada	.	.	.	11	18	-38.0
New Mexico	.	.	.	1	1	-24.7
Utah	1	1	.	6	7	-14.9
Wyoming	--	--	--	--	--	-
Pacific Contiguous	10	9	12	191	124	54.9
California	6	8	10	99	119	-16.7
Oregon	3	.	2	45	2	1717.1
Washington	1	.	.	47	2	1912.8
Pacific Noncontiguous	257	240	220	2,599	2,416	7.8
Alaska	82	58	63	739	640	15.5
Hawaii	175	182	158	1,860	1,776	4.7
U.S. Total	445	444	531	7,109	5,690	24.9

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

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

Table 25. Electric Utility Consumption of Gas by Census Division and State
(Million Cubic Feet)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ¹	Difference (Percent)
New England	1,741	2,487	3,949	29,631	42,087	-29.6
Connecticut	15	16	18	535	2,072	-74.2
Maine	--	--	--	--	--	--
Massachusetts	1,674	2,450	3,903	28,391	38,114	-25.5
New Hampshire	--	--	--	136	633	-78.6
Rhode Island	51	--	--	302	469	-35.5
Vermont	1	21	28	267	800	-66.6
Middle Atlantic	12,182	16,545	13,045	208,954	239,019	-12.6
New Jersey	1,417	1,059	1,209	34,413	38,090	-9.7
New York	10,308	14,786	11,688	166,469	198,091	-16.0
Pennsylvania	457	700	148	8,072	2,838	184.4
East North Central	4,037	4,530	3,095	42,417	44,393	-4.4
Illinois	1,925	2,274	279	14,090	8,923	57.9
Indiana	566	424	525	5,160	6,947	-25.7
Michigan	1,308	1,506	1,994	17,608	23,180	-24.0
Ohio	53	86	90	2,671	2,903	-8.0
Wisconsin	185	240	207	2,890	2,438	18.5
West North Central	1,970	2,408	1,379	35,120	24,013	46.3
Iowa	140	200	207	4,114	2,073	98.5
Kansas	1,166	1,406	534	20,706	13,173	57.2
Minnesota	437	281	336	3,580	4,676	-23.4
Missouri	149	392	85	4,815	2,285	110.8
Nebraska	60	120	191	1,778	1,767	.6
North Dakota	--	--	--	1	1	-43.2
South Dakota	18	9	26	126	39	221.4
South Atlantic	13,826	15,516	13,723	203,439	227,353	-10.5
Delaware	1,131	1,290	586	7,298	7,804	-6.5
District of Columbia	--	--	--	--	--	--
Florida	10,549	12,328	12,389	162,456	192,186	-15.5
Georgia	32	50	12	2,996	1,149	160.8
Maryland	701	385	469	8,276	11,145	-25.7
North Carolina	105	90	165	2,744	2,990	-8.2
South Carolina	10	6	82	1,834	1,789	2.5
Virginia	1,280	1,383	11	17,710	10,097	75.4
West Virginia	18	4	9	125	193	-35.4
East South Central	4,167	4,277	2,259	44,520	56,267	-20.9
Alabama	250	237	382	4,345	3,198	35.9
Kentucky	24	18	23	249	249	.1
Mississippi	3,893	4,022	1,843	38,402	52,555	-26.9
Tennessee	--	--	10	1,524	266	473.4
West South Central	109,840	129,998	94,252	1,404,875	1,308,262	7.4
Arkansas	2,758	3,088	209	20,716	26,770	-22.6
Louisiana	18,169	23,055	13,510	230,117	243,217	-5.4
Oklahoma	11,017	12,320	8,514	143,605	138,860	3.4
Texas	77,896	91,536	72,018	1,010,436	899,414	12.3
Mountain	5,818	6,440	3,434	75,738	86,423	-12.4
Arizona	1,376	1,540	597	19,109	30,610	-37.6
Colorado	438	448	396	4,542	4,493	1.1
Idaho	--	--	--	--	--	--
Montana	57	19	47	229	212	8.0
Nevada	1,381	1,935	808	20,045	23,919	-16.2
New Mexico	2,012	1,954	1,440	25,994	21,078	23.3
Utah	549	539	138	5,736	6,035	-4.9
Wyoming	5	5	8	83	76	9.2
Pacific Contiguous	51,997	48,583	51,403	436,323	535,950	-18.6
California	49,810	46,514	50,027	418,427	517,287	-19.1
Oregon	2,178	2,065	1,373	13,307	13,288	.1
Washington	9	4	4	4,590	5,375	-14.6
Pacific Noncontiguous	2,544	2,407	2,756	24,638	26,232	-6.1
Alaska	2,544	2,407	2,756	24,638	26,232	-6.1
Hawaii	--	--	--	--	--	--
U.S. Total	208,122	233,192	189,296	2,505,654	2,590,000	-3.3

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

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

Table 26. Consumption of Gas at Steam-Fired Electric Utility Plants by Census Division and State
(Million Cubic Feet)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
New England	1,693	2,325	3,669	27,075	38,538	-29.7
Connecticut	15	16	18	535	2,072	-74.2
Maine	--	--	--	--	--	--
Massachusetts	1,626	2,288	3,623	25,835	34,565	-25.3
New Hampshire	--	--	--	136	633	-78.6
Rhode Island	51	--	--	302	469	-35.5
Vermont	1	21	28	267	800	-66.6
Middle Atlantic	11,486	15,724	12,373	194,049	227,544	-14.7
New Jersey	816	382	594	24,728	29,910	-17.3
New York	10,221	14,660	11,638	161,686	195,078	-17.1
Pennsylvania	429	682	141	7,635	2,556	198.7
East North Central	3,858	4,285	2,796	38,506	40,711	-5.4
Illinois	1,919	2,264	259	13,781	8,647	59.4
Indiana	505	314	499	4,233	6,670	-36.5
Michigan	1,283	1,481	1,801	16,683	20,809	-19.8
Ohio	16	27	67	1,334	2,414	-44.7
Wisconsin	134	199	170	2,475	2,172	13.9
West North Central	1,721	2,147	1,211	28,096	19,928	41.0
Iowa	132	183	189	2,812	1,575	78.6
Kansas	1,017	1,242	420	17,381	10,992	58.1
Minnesota	432	274	333	3,337	4,332	-23.0
Missouri	98	363	74	3,307	1,553	112.9
Nebraska	42	84	169	1,200	1,440	-16.6
North Dakota	*	*	--	*	1	NM
South Dakota	*	1	26	59	35	68.6
South Atlantic	10,027	12,052	11,209	156,864	196,499	-20.2
Delaware	14	307	318	1,127	5,595	-79.9
District of Columbia	--	--	--	--	--	--
Florida	9,636	11,539	10,543	147,873	179,009	-17.4
Georgia	18	25	2	2,600	1,054	146.6
Maryland	282	125	296	4,517	8,490	-46.8
North Carolina	--	--	--	--	--	NM
South Carolina	2	2	41	245	1,060	-76.9
Virginia	57	48	1	377	1,097	-65.7
West Virginia	18	4	9	125	193	-35.4
East South Central	2,997	3,032	1,033	28,320	42,015	-32.6
Alabama	250	226	360	2,928	2,873	1.9
Kentucky	24	16	23	202	220	-8.0
Mississippi	2,724	2,790	650	25,190	38,922	-35.3
Tennessee	--	--	--	--	--	NM
West South Central	104,424	124,071	88,663	1,339,109	1,242,777	7.8
Arkansas	2,758	3,088	209	20,715	26,770	-22.6
Louisiana	17,724	22,637	12,700	223,219	236,934	-5.8
Oklahoma	8,130	9,686	6,841	115,986	111,081	4.4
Texas	75,813	88,659	68,912	979,188	867,992	12.8
Mountain	4,728	5,083	2,836	60,141	73,290	-17.9
Arizona	627	613	301	9,340	21,459	-56.5
Colorado	366	417	338	3,991	3,918	1.9
Idaho	--	--	--	--	--	--
Montana	30	5	14	83	110	-24.6
Nevada	1,344	1,735	755	17,011	22,422	-24.1
New Mexico	2,007	1,945	1,418	25,554	20,776	23.0
Utah	349	363	2	4,078	4,530	-10.0
Wyoming	5	5	8	83	76	9.2
Pacific Contiguous	48,313	44,135	49,396	407,763	501,132	-18.6
California	48,310	44,133	49,395	407,744	501,089	-18.6
Oregon	--	--	--	--	--	NM
Washington	3	2	1	19	43	-57.4
Pacific Noncontiguous	--	--	--	--	--	NM
Alaska	--	--	--	--	--	NM
Hawaii	--	--	--	--	--	--
U.S. Total	189,228	212,854	173,186	2,279,923	2,382,436	-4.3

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

NM = Calculation not meaningful.

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

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

Table 27. Consumption of Gas at GT/IC Electric Utility Plants by Census Division and State
(Million Cubic Feet)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Year to Date		
				1993 ¹	1992 ²	Difference (Percent)
New England	48	162	280	2,556	3,549	-28.0
Connecticut	--	--	--	--	--	--
Maine	--	--	--	--	--	--
Massachusetts	48	162	280	2,556	3,549	-28.0
New Hampshire	--	--	--	--	--	NM
Rhode Island	--	--	--	--	--	--
Vermont	--	--	--	--	--	--
Middle Atlantic	716	821	672	14,905	11,475	29.9
New Jersey	601	677	615	9,685	8,181	18.4
New York	87	126	50	4,784	3,013	58.8
Pennsylvania	28	18	7	436	281	54.9
East North Central	179	245	299	3,911	3,681	6.3
Illinois	5	10	21	308	276	11.6
Indiana	61	110	27	927	277	234.1
Michigan	25	25	193	925	2,372	-61.0
Ohio	37	59	22	1,337	490	173.0
Wisconsin	51	41	37	415	266	55.7
West North Central	249	260	168	7,023	4,086	71.9
Iowa	8	17	18	1,301	498	161.3
Kansas	149	163	114	3,324	2,180	52.5
Minnesota	4	7	3	244	344	-29.2
Missouri	52	29	11	1,509	731	106.3
Nebraska	18	36	22	578	327	76.7
North Dakota	--	--	--	--	--	NM
South Dakota	18	8	--	67	4	1436.9
South Atlantic	3,798	3,464	2,514	46,575	30,854	51.0
Delaware	1,117	983	269	6,171	2,209	179.3
District of Columbia	--	--	--	--	--	--
Florida	914	789	1,847	14,583	13,177	10.7
Georgia	14	25	10	396	94	319.9
Maryland	419	239	174	3,759	2,654	41.6
North Carolina	105	90	165	2,744	2,990	-8.2
South Carolina	8	4	41	1,588	729	118.0
Virginia	1,223	1,334	10	17,333	9,000	92.6
West Virginia	--	--	--	--	--	--
East South Central	1,169	1,245	1,226	16,199	14,252	13.7
Alabama	--	11	22	1,417	324	337.0
Kentucky	--	2	--	47	29	61.4
Mississippi	1,169	1,233	1,194	13,212	13,633	-3.1
Tennessee	--	--	10	1,524	266	473.4
West South Central	5,416	5,928	5,589	65,766	65,484	.4
Arkansas	--	--	--	1	--	NM
Louisiana	446	418	810	6,899	6,283	9.8
Oklahoma	2,888	2,634	1,673	27,619	27,779	-6
Texas	2,083	2,876	3,106	31,248	31,422	-6
Mountain	1,091	1,357	598	15,597	13,133	18.8
Arizona	749	926	295	9,768	9,152	6.7
Colorado	72	30	58	550	575	-4.3
Idaho	--	--	--	--	--	--
Montana	27	14	32	146	102	42.9
Nevada	37	200	54	3,034	1,497	102.6
New Mexico	5	10	22	440	302	45.6
Utah	200	177	136	1,658	1,504	10.2
Wyoming	--	--	--	--	--	--
Pacific Contiguous	3,684	4,448	2,008	28,560	34,817	-18.0
California	1,500	2,382	632	10,682	16,198	-34.1
Oregon	2,178	2,065	1,373	13,307	13,288	.1
Washington	6	1	3	4,571	5,332	-14.3
Pacific Noncontiguous	2,544	2,407	2,756	24,638	26,232	-6.1
Alaska	2,544	2,407	2,756	24,638	26,232	-6.1
Hawaii	--	--	--	--	--	--
U.S. Total	18,894	20,339	16,110	225,731	207,564	8.8

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

NM = Calculation not meaningful.

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

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

Fossil-Fuel Stocks at U.S. Electric Utilities

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

Table 28. U.S. Electric Utility Stocks of Coal and Petroleum, 1983 Through November 1993

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)
	Anthracite ¹	Bituminous ²	Lignite	Total	Light	Heavy	Total	
1983	6,507	45,250	3,841	155,598	18,801	70,573	89,375	55
1984	6,710	167,118	5,899	179,727	19,116	68,503	87,619	50
1985	7,189	142,144	7,043	156,376	16,386	57,304	73,689	49
1986	7,099	148,665	6,042	161,806	16,269	56,841	73,111	40
1987	6,940	156,670	7,187	170,797	15,759	55,069	70,827	51
1988	6,561	133,434	6,512	146,507	15,099	54,187	69,285	86
1989	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 ³								
January	6,488	143,466	5,683	155,637	15,712	53,136	68,849	75
February	6,455	146,338	5,352	158,145	15,655	54,750	70,406	62
March	6,398	147,978	5,656	160,032	15,589	54,513	70,103	56
April	6,379	149,824	6,387	162,591	15,371	52,815	68,186	47
May	6,370	152,275	6,867	165,512	15,214	55,144	70,358	63
June	6,355	151,224	6,596	164,176	15,117	53,794	68,910	67
July	6,341	141,613	6,449	154,403	14,995	53,445	68,440	56
August	6,343	140,166	6,071	152,580	15,456	54,434	69,890	46
September	6,329	140,409	5,946	152,685	15,251	52,731	67,982	51
October	6,304	144,068	6,487	156,859	15,351	52,918	68,269	55
November	6,273	145,406	6,169	157,849	15,302	53,632	68,934	59
December	6,215	142,156	5,759	154,130	15,714	56,135	71,849	67
1993 ⁴								
January	6,166	138,685	5,521	150,371	15,956	53,781	69,736	65
February	6,107	134,674	5,357	146,139	15,205	50,008	65,213	60
March	6,036	132,183	5,758	143,978	15,001	45,313	60,314	66
April	5,802	136,159	6,088	148,049	14,835	47,958	62,793	77
May	5,773	138,165	6,132	150,070	14,882	50,422	65,103	82
June	5,766	133,673	6,009	145,448	14,923	49,294	64,217	92
July	5,755	115,194	5,686	126,635	14,605	47,401	62,007	73
August	5,745	102,612	5,651	114,008	14,830	43,943	58,772	99
September	5,735	100,891	6,147	112,773	14,760	45,913	60,673	62
October	5,718	102,801	6,687	115,206	14,983	46,293	61,256	69
November	5,693	102,992	6,767	115,452	14,883	47,974	62,857	84

¹ Anthracite includes anthracite silt stored off-site.

² Bituminous coal includes subbituminous coal.

³ Data for 1992 and prior years are final.

⁴ Data for 1993 are preliminary.

Notes: *Totals may not equal sum of components because of independent rounding. *Stocks are end-of-month stocks at electric utilities.

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

Table 29. Electric Utility Stocks of Coal by NERC Region and Hawaii
(Thousand Short Tons)

NERC Region and Hawaii	November 1993 ¹	October 1993 ¹	November 1992 ²	Monthly Difference (Percent)	Yearly Difference (Percent)
ECAR	29,358	29,582	43,767	-0.8	-32.9
ERCOT	5,453	5,105	6,749	6.8	-19.2
MAAC	12,312	12,228	15,862	.7	-22.4
MAIN	8,407	8,930	14,951	-5.9	-43.8
MAPP (U.S.)	9,510	9,673	12,256	-1.7	-22.4
NPCC (U.S.)	2,220	2,272	3,413	-2.3	-35.0
SERC	19,126	19,021	25,232	.6	-24.2
SPP	12,380	11,791	17,067	5.0	-27.5
WSCC (U.S.)	16,681	16,600	18,546	.5	-10.1
Contiguous U.S.	115,447	115,201	157,843	.2	-26.9
ASCC	5	5	6	1.4	-9.9
Hawaii	--	--	--	--	--
U.S. Total	115,452	115,206	157,849	.2	-26.9

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

Table 30. Electric Utility Stocks of Petroleum by NERC Region and Hawaii
(Thousand Barrels)

NERC Region and Hawaii	November 1993 ¹	October 1993 ¹	November 1992 ²	Monthly Difference (Percent)	Yearly Difference (Percent)
ECAR	1,552	1,531	1,720	1.4	-9.8
ERCOT	5,114	5,150	5,201	-.7	-1.7
MAAC	5,055	5,538	5,732	-8.7	-11.8
MAIN	1,100	1,011	1,402	8.9	-21.5
MAPP (U.S.)	735	734	734	.1	.2
NPCC (U.S.)	12,867	12,316	17,339	4.5	-25.8
SERC	12,143	11,092	10,897	9.5	11.4
SPP	4,467	4,256	4,477	5.0	-.2
WSCC (U.S.)	18,692	18,420	20,383	1.5	-8.3
Contiguous U.S.	61,726	60,047	67,883	2.8	-9.1
ASCC	272	296	288	-8.1	-5.5
Hawaii	858	913	763	-6.0	12.5
U.S. Total	62,857	61,256	68,934	2.6	-8.8

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

Notes: •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.

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

Table 31. Electric Utility Stocks of Coal by Census Division and State
(Thousand Short Tons)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Monthly Difference (Percent)	Yearly Difference (Percent)
New England	1,098	1,126	1,269	-2.5	-13.4
Connecticut	168	168	138	--	21.4
Maine	--	--	--	--	--
Massachusetts	560	577	739	-2.9	-24.2
New Hampshire	370	381	392	-3.0	-5.5
Rhode Island	--	--	--	--	--
Vermont	--	--	--	--	--
Middle Atlantic	13,312	13,090	18,058	1.7	-26.3
New Jersey	563	498	748	13.2	-24.7
New York	1,122	1,145	2,144	-2.0	-47.7
Pennsylvania	11,626	11,447	15,166	1.6	-23.3
East North Central	28,365	28,070	42,096	1.1	-32.6
Illinois	4,236	4,616	7,557	-8.2	-43.9
Indiana	6,922	6,589	11,823	5.0	-41.5
Michigan	6,752	6,399	8,103	5.5	-16.7
Ohio	7,506	7,458	10,471	.6	-28.3
Wisconsin	2,949	3,007	4,143	-1.9	-28.8
West North Central	13,917	14,382	20,420	-3.2	-31.8
Iowa	3,661	3,526	4,621	3.8	-20.8
Kansas	1,890	2,112	2,956	-10.5	-36.1
Minnesota	1,155	1,299	2,261	-11.0	-48.9
Missouri	3,325	3,416	6,318	-2.7	-47.4
Nebraska	1,224	1,251	1,841	-2.2	-33.5
North Dakota	2,369	2,501	2,133	-5.3	11.1
South Dakota	293	276	291	6.2	1.0
South Atlantic	19,549	19,550	27,327	*	-28.5
Delaware	258	330	376	-21.8	-31.4
District of Columbia	--	--	--	--	--
Florida	3,403	3,119	4,194	9.1	-18.9
Georgia	3,030	2,907	4,120	4.2	-26.5
Maryland	1,644	1,687	2,454	-2.6	-33.0
North Carolina	3,226	3,025	4,083	6.7	-21.0
South Carolina	1,636	1,596	2,152	2.5	-24.0
Virginia	1,532	1,465	1,899	4.5	-19.3
West Virginia	4,821	5,421	8,050	-11.1	-40.1
East South Central	8,884	10,000	12,534	-11.2	-29.1
Alabama	2,798	3,168	3,985	-11.7	-29.8
Kentucky	3,869	4,472	5,213	-13.5	-25.0
Mississippi	400	349	880	14.6	-54.5
Tennessee	1,817	2,011	2,456	-9.7	-26.0
West South Central	13,626	12,371	17,584	10.1	-22.5
Arkansas	1,516	1,220	1,638	24.3	-7.4
Louisiana	1,950	1,608	2,162	21.2	-9.8
Oklahoma	2,072	2,087	2,893	-7	-28.4
Texas	8,087	7,456	10,891	8.5	-25.7
Mountain	15,716	15,438	17,152	1.8	-8.4
Arizona	3,694	3,707	4,006	-3	-7.8
Colorado	3,429	3,445	3,689	-5	-7.1
Idaho	--	--	--	--	--
Montana	825	795	750	3.7	10.0
Nevada	1,190	1,094	1,666	8.8	-28.6
New Mexico	1,409	1,431	1,418	-1.6	-.7
Utah	3,394	3,222	3,351	5.4	1.3
Wyoming	1,775	1,745	2,271	1.7	-21.8
Pacific Contiguous	980	1,175	1,402	-16.6	-30.1
California	--	--	--	--	--
Oregon	406	509	631	-20.2	-35.7
Washington	574	667	771	-13.9	-25.5
Pacific Noncontiguous	5	5	6	1.4	-9.9
Alaska	5	5	6	1.4	-9.9
Hawaii	--	--	--	--	--
U.S. Total	115,452	115,206	157,849	.2	-26.9

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

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

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

Table 32. Electric Utility Stocks of Petroleum by Census Division and State
(Thousand Barrels)

Census Division and State	November 1993 ¹	October 1993 ¹	November 1992 ²	Monthly Difference (Percent)	Yearly Difference (Percent)
New England	5,090	4,387	5,748	16.0	-11.4
Connecticut	1,472	1,266	2,104	16.3	-30.0
Maine	749	510	601	46.9	24.6
Massachusetts	2,278	2,265	2,390	.6	-4.7
New Hampshire	560	317	501	76.5	11.8
Rhode Island	3	3	116	-3.5	-97.2
Vermont	28	26	35	8.5	-21.0
Middle Atlantic	10,997	11,340	15,120	-3.0	-27.3
New Jersey	1,204	1,401	1,809	-14.0	-33.4
New York	7,778	7,930	11,592	-1.9	-32.9
Pennsylvania	2,015	2,009	1,720	.3	17.2
East North Central	2,263	2,183	2,747	3.7	-17.6
Illinois	905	834	1,229	8.5	-26.4
Indiana	154	148	162	3.6	-5.2
Michigan	587	579	686	1.4	-14.5
Ohio	430	446	469	-3.7	-8.3
Wisconsin	188	176	201	6.7	-6.7
West North Central	1,633	1,609	1,617	1.5	1.0
Iowa	216	214	186	1.0	16.1
Kansas	599	596	648	.5	-7.6
Minnesota	133	138	141	-3.7	-5.5
Missouri	373	354	342	5.3	9.1
Nebraska	206	207	202	-.2	2.2
North Dakota	47	46	48	1.2	-2.9
South Dakota	59	53	50	10.4	18.0
South Atlantic	13,411	12,626	12,686	6.2	5.7
Delaware	407	578	369	-29.5	10.3
District of Columbia	117	118	121	-.6	-3.5
Florida	8,055	7,070	6,897	13.9	16.8
Georgia	528	513	528	3.1	.1
Maryland	1,466	1,591	1,888	-7.9	-22.4
North Carolina	186	191	226	-2.6	-17.7
South Carolina	302	296	363	1.8	-16.9
Virginia	2,182	2,129	2,125	2.5	2.7
West Virginia	169	140	168	20.3	.4
East South Central	1,867	1,680	1,598	11.1	16.9
Alabama	176	177	158	-.6	11.2
Kentucky	109	107	105	2.2	3.5
Mississippi	1,020	833	899	22.4	13.4
Tennessee	562	563	435	-.2	29.3
West South Central	7,794	7,822	8,103	-.4	-3.8
Arkansas	266	250	264	6.4	.9
Louisiana	1,431	1,441	1,638	-.7	-12.6
Oklahoma	611	616	520	-.8	17.5
Texas	5,486	5,515	5,681	-.5	-3.4
Mountain	1,423	1,373	1,421	3.7	.2
Arizona	653	657	736	-.5	-11.2
Colorado	180	180	186	-.1	-3.2
Idaho	*	*	15	-	-
Montana	16	10	18	68.9	-6.1
Nevada	415	367	319	13.1	30.1
New Mexico	98	98	99	-.8	-.9
Utah	23	23	24	-3.3	-4.3
Wyoming	38	37	26	2.0	45.6
Pacific Contiguous	17,247	17,027	18,845	1.3	-8.5
California	16,670	16,447	18,209	1.4	-8.5
Oregon	229	232	276	-1.2	-17.1
Washington	348	349	360	-.1	-3.2
Pacific Noncontiguous	1,130	1,209	1,050	-6.5	7.6
Alaska	272	296	288	-8.1	-5.5
Hawaii	858	913	763	-6.0	12.5
U.S. Total	62,857	61,256	68,934	2.6	-8.8

¹ Data for 1993 are preliminary.

² Data for 1992 are final.

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

Notes: •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •The November 1993 petroleum coke stocks were 84,215 short tons. •Stocks are end-of-month stocks at electric utilities.

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

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

*Fuel is received for distribution
to electric utilities.*

**Table 33. U.S. Electric Utility Receipts of and Average Cost for Fossil Fuels,
1983 Through October 1993**

Period	Coal ¹		Petroleum				Gas		All Fossil Fuels ²
	Receipts (thousand short tons)	Cost (cents per 10 ⁶ Btu)	Heavy Oil ³		Total		Receipts (thousand Mcf)	Cost (cents per 10 ⁶ Btu)	Cost (cents per 10 ⁶ Btu)
			Receipts (thousand barrels)	Cost (cents per 10 ⁶ Btu)	Receipts (thousand barrels)	Cost (cents per 10 ⁶ Btu)			
1983	592,728	165.6	211,705	457.8	219,652	462.8	2,732,248	347.4	220.6
1984	684,111	166.4	193,832	481.2	202,372	486.3	2,878,808	360.3	219.1
1985	686,743	164.8	156,410	424.4	164,947	431.7	2,808,921	344.4	209.4
1986	686,964	157.9	220,585	240.1	228,522	243.7	2,387,822	235.1	175.0
1987	721,298	150.6	187,300	297.6	194,578	301.1	2,605,191	224.0	170.5
1988	727,775	146.6	230,234	240.5	236,924	243.9	2,362,721	226.3	164.3
1989	753,217	144.5	237,668	284.6	246,422	289.3	2,472,506	235.5	167.5
1990	786,627	145.5	202,281	331.9	209,350	338.4	2,490,979	232.1	168.9
1991	769,923	144.7	163,106	246.5	169,625	254.8	2,630,818	215.3	160.3
1992 ⁴									
January	64,678	139.6	12,039	223.2	12,539	230.0	159,815	247.1	155.2
February	61,603	142.1	13,634	209.8	14,107	216.1	160,328	201.7	152.7
March	63,857	143.4	12,779	208.2	13,186	214.1	198,040	196.8	153.7
April	60,661	142.7	10,144	217.8	10,555	225.7	218,468	202.6	154.8
May	63,407	142.9	10,079	237.1	10,498	245.1	227,857	207.8	156.4
June	63,704	141.9	10,888	251.4	11,352	260.0	254,025	213.6	158.3
July	64,400	139.3	12,706	274.1	13,217	281.2	315,543	208.9	159.2
August	70,241	139.6	12,152	274.1	12,664	281.2	287,373	237.3	161.6
September	66,503	142.0	8,883	268.5	9,319	277.6	259,771	246.3	163.0
October	66,907	141.3	10,772	290.5	11,221	297.7	205,039	297.9	167.5
November	64,005	141.5	11,161	273.5	11,636	280.5	182,505	282.6	164.5
December	65,998	138.6	13,302	252.1	14,097	261.9	168,913	276.5	160.0
1992	775,963	141.2	138,537	247.5	144,390	255.1	2,637,678	232.8	159.0
1993 ⁴									
January	65,219	138.5	8,437	248.7	9,026	259.1	159,318	267.3	156.2
February	59,229	139.3	7,002	254.1	7,421	263.8	153,681	250.8	155.6
March	63,894	137.6	8,548	248.6	9,022	258.8	186,075	256.6	156.5
April	63,807	139.3	10,074	280.0	10,539	286.6	169,844	268.9	159.9
May	62,599	139.9	10,392	261.2	10,825	268.1	163,925	286.3	161.6
June	63,701	139.0	10,633	245.8	11,144	254.2	243,599	243.2	159.8
July	59,859	138.0	15,419	237.3	16,040	243.3	312,270	241.0	164.4
August	65,739	137.4	15,099	227.0	15,624	232.2	339,454	252.5	165.1
September	65,358	138.5	15,324	226.1	15,766	231.0	249,708	263.6	162.9
October	67,122	140.5	13,596	231.0	14,005	236.6	226,136	241.3	159.1
Year-to-Date									
1993 ⁴	636,528	138.8	114,524	243.1	119,412	250.1	2,204,009	255.0	160.3
1992 ⁴	645,961	141.4	114,074	244.4	118,657	251.7	2,286,260	225.7	158.4

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

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

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

⁴ Data for 1992 and prior years are final. Data for 1993 are preliminary.

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 1983-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. •Prior to January 1983, data are for plants with a capacity of 25 or more megawatts and include peaking units.

•Mcf=thousand cubic feet. •Monetary values are expressed in nominal terms.

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

Table 34. Electric Utility Receipts of Coal by NERC Region and Hawaii
(Thousand Short Tons)

NERC Region and Hawaii	October 1993 ¹	September 1993 ¹	October 1992 ¹	Year to Date		
				1993 ¹	1992 ¹	Difference (Percent)
ECAR	14,819	14,820	16,097	145,834	157,129	-7.2
ERCOT	6,029	6,518	6,111	64,130	62,456	2.7
MAAC	3,429	2,893	3,718	31,203	34,363	-9.2
MAIN	5,488	4,749	4,607	44,230	45,628	-3.1
MAPP (U.S.)	6,720	6,391	5,766	61,650	60,123	2.5
NPCC (U.S.)	1,031	1,013	1,592	10,843	13,916	-22.1
SERC	13,451	12,548	13,095	127,482	118,859	7.3
SPP	7,264	7,477	7,045	66,888	67,974	-1.6
WSCC (U.S.)	8,892	8,948	8,875	84,268	85,513	-1.5
Contiguous U.S.	67,122	65,358	66,907	636,528	645,961	-1.5
ASCC	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--
U.S. Total	67,122	65,358	66,907	636,528	645,961	-1.5

¹ Data for 1992 are final. Data for 1993 are preliminary.

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

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

Table 35. Average Cost of Coal Delivered to Electric Utilities by NERC Region and Hawaii
(Cents per Million Btu)

NERC Region and Hawaii	October 1993 ¹	September 1993 ¹	October 1992 ¹	Year to Date		
				1993 ¹	1992 ¹	Difference (Percent)
ECAR	139.6	138.6	139.5	137.0	140.0	-2.1
ERCOT	141.8	132.0	145.0	136.5	140.8	-3.1
MAAC	153.7	148.2	147.0	147.4	153.4	-3.9
MAIN	151.6	151.2	154.3	153.0	157.2	-2.6
MAPP (U.S.)	91.3	91.8	92.1	90.6	95.2	-4.9
NPCC (U.S.)	159.6	156.7	151.4	156.0	158.0	-1.3
SERC	160.8	159.8	161.8	159.8	162.8	-1.8
SPP	138.8	137.8	140.5	137.8	141.3	-2.5
WSCC (U.S.)	118.5	118.7	119.6	118.6	115.7	2.5
Contiguous U.S.	140.5	138.5	141.3	138.8	141.4	-1.9
ASCC	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--
U.S. Total	140.5	138.5	141.3	138.8	141.4	-1.9

¹ Data for 1992 are final. Data for 1993 are preliminary.

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

*Monetary values are expressed in monetary terms.

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

Table 36. Electric Utility Receipts of Petroleum by NERC Region and Hawaii
(Thousand Barrels)

NERC Region and Hawaii	October 1993 ¹	September 1993 ¹	October 1992 ¹	Year to Date		
				1993 ¹	1992 ¹	Difference (Percent)
ECAR	166	257	154	2,107	1,789	17.7
ERCOT	3	4	53	102	230	-55.7
MAAC	1,220	2,141	744	15,887	11,055	43.7
MAIN	183	168	165	1,609	2,064	-22.1
MAPP (U.S.)	7	16	24	255	174	46.2
NPCC (U.S.)	5,264	5,367	5,038	40,163	55,544	-27.7
SERC	5,166	6,430	4,371	47,138	39,426	19.6
SPP	920	877	40	5,325	913	483.5
WSCC (U.S.)	201	10	62	813	443	83.8
Contiguous U.S.	13,129	15,269	10,650	113,398	111,637	1.6
ASCC	--	--	--	--	--	--
Hawaii	876	497	571	6,013	7,020	-14.3
U.S. Total	14,005	15,766	11,221	119,412	118,857	.6

¹ Data for 1992 are final. Data for 1993 are preliminary.

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.

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

Table 37. Average Cost of Petroleum Delivered to Electric Utilities by NERC Region and Hawaii
(Cents per Million Btu)

NERC Region and Hawaii	October 1993 ¹	September 1993 ¹	October 1992 ¹	Year to Date		
				1993 ¹	1992 ¹	Difference (Percent)
ECAR	391.0	359.6	451.5	378.3	384.7	-1.7
ERCOT	387.3	347.3	372.3	394.3	397.5	-.8
MAAC	255.1	248.4	319.5	251.0	257.1	-2.4
MAIN	312.7	295.8	355.1	319.6	309.2	3.3
MAPP (U.S.)	496.0	475.1	499.7	433.1	458.3	-5.5
NPCC (U.S.)	244.9	237.6	301.3	259.6	244.3	6.3
SERC	216.9	215.3	277.1	229.0	242.7	-5.6
SPP	182.7	178.8	319.8	189.1	240.4	-21.3
WSCC (U.S.)	334.2	476.3	437.5	379.1	419.4	-9.6
Contiguous U.S.	234.5	229.2	296.9	246.5	249.5	-1.2
ASCC	--	--	--	--	--	--
Hawaii	268.4	283.9	310.8	319.5	287.6	11.1
U.S. Total	236.6	231.0	297.7	250.1	251.7	-.6

¹ Data for 1992 are final. Data for 1993 are preliminary.

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. •Monetary values are expressed in monetary terms.

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

Table 38. Electric Utility Receipts of Gas by NERC Region and Hawaii
(Million Cubic Feet)

NERC Region and Hawaii	October 1993 ¹	September 1993 ¹	October 1992 ¹	Year to Date		
				1993 ¹	1992 ¹	Difference (Percent)
ECAR	1,820	1,246	1,807	19,961	27,471	-27.3
ERCOT	73,212	85,769	65,249	751,278	631,988	18.9
MAAC	2,456	3,631	1,633	38,334	42,781	-10.4
MAIN	2,422	1,841	434	18,168	10,724	69.4
MAPP (U.S.)	492	700	422	5,820	5,228	11.3
NPCC (U.S.)	17,056	17,426	17,394	179,539	210,912	-14.9
SERC	14,411	19,788	12,626	176,189	192,869	-8.6
SPP	57,690	65,811	41,565	557,584	589,701	-5.4
WSCC (U.S.)	55,502	52,888	62,963	448,524	565,523	-20.7
Contiguous U.S.	225,063	249,099	204,092	2,195,396	2,277,197	-3.6
ASCC	1,073	609	947	8,613	9,063	-5.0
Hawaii	---	---	---	---	---	---
U.S. Total	226,136	249,708	205,039	2,204,009	2,286,260	-3.6

¹ Data for 1992 are final. Data for 1993 are preliminary.

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.

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

Table 39. Average Cost of Gas Delivered to Electric Utilities by NERC Region and Hawaii
(Cents per Million Btu)

NERC Region and Hawaii	October 1993 ¹	September 1993 ¹	October 1992 ¹	Year to Date		
				1993 ¹	1992 ¹	Difference (Percent)
ECAR	239.1	276.0	274.9	260.9	214.0	21.9
ERCOT	234.8	252.1	284.5	240.1	217.2	10.5
MAAC	243.1	269.8	318.6	240.9	220.1	9.5
MAIN	232.2	258.0	307.2	245.7	216.3	13.6
MAPP (U.S.)	274.4	287.0	316.5	279.0	221.5	26.0
NPCC (U.S.)	252.0	274.1	316.6	264.5	235.8	12.2
SERC	237.8	238.4	287.0	243.9	224.6	8.6
SPP	241.6	267.5	294.1	252.6	209.8	20.4
WSCC (U.S.)	250.4	284.7	314.2	288.2	251.8	14.4
Contiguous U.S.	242.1	264.1	299.0	255.7	226.3	13.0
ASCC	63.7	63.3	56.5	63.8	57.8	10.4
Hawaii	---	---	---	---	---	---
U.S. Total	241.3	263.6	297.9	255.0	225.7	13.0

¹ Data for 1992 are final. Data for 1993 are preliminary.

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. •Monetary values are expressed in monetary terms.

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

**Table 40. Electric Utility Receipts of Coal by Type, Census Division, and State,
October 1993**

Census Division and State	Anthracite		Bituminous		Subbituminous		Lignite		Total	
	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)
New England	--	--	344	8,914	--	--	--	--	344	8,914
Connecticut	--	--	54	1,414	--	--	--	--	54	1,414
Maine	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	154	3,972	--	--	--	--	154	3,972
New Hampshire	--	--	136	3,528	--	--	--	--	136	3,528
Rhode Island	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	35	581	3,906	98,423	--	--	--	--	3,941	99,004
New Jersey	--	--	83	2,196	--	--	--	--	83	2,196
New York	--	--	687	17,659	--	--	--	--	687	17,659
Pennsylvania	35	581	3,136	78,568	--	--	--	--	3,171	79,149
East North Central	--	--	10,068	237,250	4,880	86,890	--	--	14,948	324,140
Illinois	--	--	1,607	38,024	1,230	21,866	--	--	2,837	57,890
Indiana	--	--	2,630	58,894	965	18,648	--	--	3,595	75,542
Michigan	--	--	1,300	33,046	1,358	25,163	--	--	2,658	58,209
Ohio	--	--	4,054	97,323	--	--	--	--	4,054	97,323
Wisconsin	--	--	477	11,963	1,327	23,213	--	--	1,804	35,176
West North Central	--	--	1,051	23,924	6,069	104,694	2,141	28,056	9,261	156,674
Iowa	--	--	263	5,896	1,206	20,218	--	--	1,469	26,114
Kansas	--	--	89	1,983	1,346	23,093	--	--	1,435	25,076
Minnesota	--	--	17	386	1,467	25,926	--	--	1,484	26,312
Missouri	--	--	682	15,655	1,237	21,599	--	--	1,919	37,254
Nebraska	--	--	--	4	813	13,858	--	--	813	13,862
North Dakota	--	--	--	--	--	--	2,014	26,533	2,014	26,533
South Dakota	--	--	--	--	--	--	127	1,523	127	1,523
South Atlantic	--	--	10,848	270,734	138	2,355	--	--	10,986	273,089
Delaware	--	--	189	4,882	--	--	--	--	189	4,882
District of Columbia	--	--	--	--	--	--	--	--	--	--
Florida	--	--	2,225	54,302	--	--	--	--	2,225	54,302
Georgia	--	--	1,938	47,984	138	2,355	--	--	2,076	50,339
Maryland	--	--	744	18,979	--	--	--	--	744	18,979
North Carolina	--	--	2,065	51,440	--	--	--	--	2,065	51,440
South Carolina	--	--	958	24,635	--	--	--	--	958	24,635
Virginia	--	--	802	20,595	--	--	--	--	802	20,595
West Virginia	--	--	1,927	47,916	--	--	--	--	1,927	47,916
East South Central	--	--	7,312	176,014	22	390	--	--	7,334	176,404
Alabama	--	--	2,377	57,573	--	--	--	--	2,377	57,573
Kentucky	--	--	2,957	69,342	22	390	--	--	2,979	69,732
Mississippi	--	--	253	6,355	--	--	--	--	253	6,355
Tennessee	--	--	1,725	42,744	--	--	--	--	1,725	42,744
West South Central	--	--	240	5,321	6,681	114,383	3,896	49,408	10,817	169,112
Arkansas	--	--	--	--	863	14,910	--	--	863	14,910
Louisiana	--	--	--	--	927	15,615	198	2,688	1,125	18,303
Oklahoma	--	--	--	--	1,609	27,753	--	--	1,609	27,753
Texas	--	--	240	5,321	3,281	56,106	3,698	46,720	7,219	108,147
Mountain	--	--	2,783	60,456	6,042	111,415	23	297	8,847	172,169
Arizona	--	--	274	5,047	1,374	28,860	--	--	1,648	33,907
Colorado	--	--	615	13,385	763	14,212	--	--	1,378	27,596
Idaho	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	774	13,214	23	297	797	13,511
Nevada	--	--	607	13,536	91	1,742	--	--	698	15,278
New Mexico	--	--	--	--	1,215	22,020	--	--	1,215	22,020
Utah	--	--	1,092	24,738	--	--	--	--	1,092	24,738
Wyoming	--	--	195	3,751	1,825	31,367	--	--	2,020	35,119
Pacific	--	--	67	1,517	576	9,414	--	--	643	10,931
California	--	--	--	--	--	--	--	--	--	--
Oregon	--	--	67	1,517	74	1,244	--	--	141	2,761
Washington	--	--	--	--	502	8,170	--	--	502	8,170
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--
U.S. Total	35	581	36,619	882,554	24,409	429,541	6,059	77,761	67,122	1,390,437

* 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 1993 are preliminary.

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

Table 41. Receipts and Average Cost of Coal Delivered to Electric Utilities by Census Division and State

Census Division and State	October 1993 Receipts		October 1992 Receipts		Year to Date			
	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents per million Btu) ¹	
					1993	1992	1993	1992
New England	344	8,914	523	13,760	121,918	135,743	166.4	172.9
Connecticut	54	1,414	86	1,740	18,461	17,982	170.3	198.9
Maine	--	--	--	--	--	--	--	--
Massachusetts	154	3,972	352	9,221	74,377	90,710	167.2	169.1
New Hampshire	136	3,528	105	2,799	29,081	27,050	161.7	168.6
Rhode Island	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--
Middle Atlantic	3,941	99,004	4,804	121,181	971,786	1,133,262	145.5	150.0
New Jersey	83	2,196	223	5,991	39,297	47,880	176.1	173.5
New York	687	17,659	1,069	27,864	159,596	227,160	148.1	149.1
Pennsylvania	3,171	79,149	3,511	87,326	772,893	858,222	143.4	148.9
East North Central	14,946	324,140	14,706	322,782	2,971,733	3,151,655	142.3	145.6
Illinois	2,837	57,890	2,027	43,021	468,456	459,953	172.5	171.2
Indiana	3,595	75,542	3,948	83,531	755,553	864,615	126.5	131.5
Michigan	2,658	58,209	2,890	63,330	498,547	522,669	153.0	156.4
Ohio	4,054	97,323	4,222	101,518	965,639	1,011,868	140.6	143.9
Wisconsin	1,804	35,176	1,620	31,383	283,537	292,551	121.3	134.0
West North Central	9,261	156,674	8,238	142,113	1,397,189	1,454,835	101.2	111.0
Iowa	1,469	26,114	1,109	20,243	229,390	231,266	100.8	113.0
Kansas	1,435	25,076	938	18,578	234,412	203,366	102.2	118.3
Minnesota	1,484	26,312	1,175	20,695	226,207	212,679	116.0	122.4
Missouri	1,919	37,254	2,266	46,580	309,083	426,214	123.6	132.8
Nebraska	813	13,862	530	9,132	122,617	109,557	76.5	75.6
North Dakota	2,014	26,533	2,037	26,669	255,295	251,592	71.8	71.9
South Dakota	127	1,523	184	2,216	20,184	20,162	109.8	114.7
South Atlantic	10,986	273,089	11,561	289,035	2,542,091	2,573,777	163.9	166.0
Delaware	189	4,882	188	4,931	43,464	34,159	169.0	173.1
District of Columbia	--	--	--	--	--	--	--	--
Florida	2,225	54,302	2,110	51,980	498,461	507,476	177.3	183.0
Georgia	2,076	50,339	2,374	57,065	476,853	440,874	178.5	181.6
Maryland	744	18,979	623	15,972	181,250	192,904	158.9	159.9
North Carolina	2,065	51,440	2,096	52,250	438,711	414,408	170.2	173.9
South Carolina	958	24,635	790	20,305	207,944	195,397	156.7	151.9
Virginia	802	20,595	858	22,132	189,811	192,057	146.6	146.9
West Virginia	1,927	47,916	2,522	63,399	505,596	596,501	142.2	146.8
East South Central	7,334	176,404	6,732	160,436	1,757,588	1,580,192	138.6	139.1
Alabama	2,377	57,573	2,348	56,712	528,481	499,373	176.0	173.9
Kentucky	2,979	69,732	2,892	67,251	688,039	604,209	116.2	115.9
Mississippi	253	6,355	150	3,721	69,312	67,722	164.0	160.0
Tennessee	1,725	42,744	1,343	32,752	471,756	408,888	125.8	127.4
West South Central	10,817	169,112	10,815	166,898	1,653,251	1,643,266	144.9	146.9
Arkansas	863	14,910	1,142	19,866	153,893	168,032	170.3	166.7
Louisiana	1,125	18,303	987	15,900	173,712	174,532	158.8	152.4
Oklahoma	1,609	27,753	1,478	25,469	231,696	237,703	124.5	124.3
Texas	7,219	108,147	7,209	105,664	1,093,950	1,062,999	143.5	148.0
Mountain	8,847	172,169	8,763	171,667	1,641,033	1,656,846	114.3	111.3
Arizona	1,648	33,907	1,587	32,832	310,581	283,829	134.7	135.8
Colorado	1,378	27,596	1,255	25,633	261,420	263,476	110.5	109.8
Idaho	--	--	--	--	--	--	--	--
Montana	797	13,511	940	16,029	121,837	151,557	66.5	70.4
Nevada	698	15,278	516	11,396	128,090	144,592	149.2	146.9
New Mexico	1,215	22,020	1,268	22,925	214,476	216,713	140.3	132.0
Utah	1,092	24,738	1,159	26,304	268,408	241,660	120.5	123.4
Wyoming	2,020	35,119	2,058	36,547	336,220	355,019	81.0	74.9
Pacific Contiguous	643	10,931	744	12,968	96,046	107,618	129.4	128.4
California	--	--	--	--	--	--	--	--
Oregon	141	2,761	193	3,748	25,557	29,727	113.3	110.3
Washington	502	8,170	551	9,220	70,490	77,890	135.3	135.3
Pacific Noncontiguous	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--
U.S. Total	67,122	1,390,437	66,907	1,399,841	13,152,635	13,437,193	138.8	141.4

¹ Monetary values are expressed in nominal terms.

Notes: •Data for 1992 are final. Data for 1993 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. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite.

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

Table 42. Receipts and Average Cost of Coal Delivered to Electric Utilities by Type of Purchase, Mining Method, Census Division, and State, October 1993

Census Division and State	Type of Purchase						Type of Mining					
	Contract			Spot			Strip and Auger			Underground		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)
New England	286	167.1	43.62	58	177.2	44.34	84	182.6	45.84	260	164.4	43.06
Connecticut	54	172.0	45.03	--	--	--	--	--	--	54	172.0	45.03
Maine	--	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	134	171.5	44.52	20	180.0	44.37	47	188.2	47.03	107	166.0	43.39
New Hampshire	99	158.5	41.63	37	175.6	44.33	37	175.6	44.33	99	158.5	41.63
Rhode Island	--	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	2,254	151.7	38.47	1,688	147.7	36.62	1,727	144.2	35.42	2,214	154.4	39.45
New Jersey	83	172.4	45.35	--	--	--	36	166.1	42.97	48	176.9	47.12
New York	276	160.6	41.73	410	151.3	38.60	118	145.3	34.96	569	156.9	40.88
Pennsylvania	1,894	149.4	37.70	1,277	146.5	35.99	1,573	143.6	35.28	1,598	152.8	38.71
East North Central	10,660	153.8	32.84	4,288	127.2	28.62	10,091	141.8	29.21	4,857	153.1	36.64
Illinois	2,309	176.3	35.10	528	138.4	31.19	1,801	188.4	36.07	1,036	139.1	31.42
Indiana	2,556	130.9	27.33	1,039	113.7	24.26	2,595	118.9	24.35	1,000	142.2	31.87
Michigan	2,052	152.6	32.57	606	155.4	36.94	1,911	148.8	30.38	747	162.5	41.72
Ohio	2,703	167.1	40.09	1,350	119.4	28.71	2,321	143.1	33.74	1,733	161.5	39.72
Wisconsin	1,040	121.8	23.00	764	127.9	26.00	1,463	114.1	20.67	341	156.3	39.69
West North Central	7,341	103.9	17.21	1,920	96.3	17.58	8,649	95.8	15.79	612	166.1	38.43
Iowa	834	127.4	22.06	635	96.2	17.70	1,453	112.7	19.97	16	170.1	39.35
Kansas	959	114.4	20.07	476	80.0	13.87	1,396	99.1	17.16	39	211.9	48.45
Minnesota	1,122	115.8	20.46	363	98.4	17.60	1,469	111.5	19.70	15	112.9	25.26
Missouri	1,679	122.2	23.31	240	136.7	29.77	1,377	103.9	18.64	542	164.2	38.05
Nebraska	607	70.3	12.11	206	69.5	11.52	813	70.1	11.96	--	--	--
North Dakota	2,014	66.1	8.71	--	--	--	2,014	66.1	8.71	--	--	--
South Dakota	127	114.5	13.73	--	--	--	127	114.5	13.73	--	--	--
South Atlantic	8,071	170.0	42.46	2,915	148.8	36.51	4,898	163.2	39.92	6,088	165.4	41.65
Delaware	174	164.0	42.49	15	177.1	45.67	42	161.0	41.39	146	166.2	43.13
District of Columbia	--	--	--	--	--	--	--	--	--	--	--	--
Florida	1,728	183.1	45.16	497	164.7	38.66	1,101	170.6	40.47	1,125	187.0	46.87
Georgia	1,597	182.1	44.92	479	166.4	37.98	1,035	171.5	40.70	1,042	185.5	45.92
Maryland	433	166.9	42.35	311	160.4	41.16	425	166.6	42.15	319	161.0	41.46
North Carolina	1,387	178.7	44.25	678	155.9	39.31	1,005	167.7	41.62	1,060	174.3	43.58
South Carolina	790	155.5	40.14	168	156.6	39.70	135	154.5	40.09	822	155.9	40.06
Virginia	596	145.2	37.22	207	148.5	38.28	368	144.2	36.99	434	147.6	37.92
West Virginia	1,367	152.4	37.99	560	103.1	25.50	787	146.0	35.98	1,140	132.8	33.24
East South Central	4,637	147.3	35.29	2,698	125.4	30.37	3,442	141.3	33.88	3,892	137.4	33.12
Alabama	1,681	187.5	45.03	696	130.2	32.13	1,128	178.0	43.28	1,249	163.4	39.43
Kentucky	1,833	119.3	27.73	1,146	118.9	28.17	1,882	121.2	28.62	1,096	115.6	26.65
Mississippi	228	166.7	42.31	25	159.1	36.11	72	134.7	34.30	181	178.6	44.62
Tennessee	895	123.1	30.67	831	129.0	31.76	360	129.9	31.85	1,365	124.9	31.02
West South Central	10,390	150.7	23.34	427	115.4	22.12	10,754	149.0	23.23	63	148.4	33.71
Arkansas	863	182.3	31.48	--	--	--	863	182.3	31.48	--	--	--
Louisiana	1,125	161.6	26.28	--	--	--	1,125	161.6	26.28	--	--	--
Oklahoma	1,382	125.2	21.57	227	93.0	16.14	1,609	120.6	20.80	--	--	--
Texas	7,019	150.1	22.22	200	136.1	28.92	7,156	149.6	22.30	63	148.4	33.71
Mountain	8,225	117.3	22.75	622	83.2	16.90	7,195	111.9	20.96	1,653	125.1	28.35
Arizona	1,514	140.5	28.99	134	120.8	23.99	1,648	138.9	28.58	--	--	--
Colorado	1,284	111.1	22.14	94	83.2	17.81	1,039	110.4	21.27	339	105.5	23.64
Idaho	--	--	--	--	--	--	--	--	--	--	--	--
Montana	797	63.6	10.80	--	--	--	797	63.6	10.80	--	--	--
Nevada	698	157.7	34.52	--	--	--	476	143.2	30.51	222	186.4	43.09
New Mexico	1,215	134.1	24.31	--	--	--	1,215	134.1	24.31	--	--	--
Utah	973	124.1	27.89	119	74.1	17.92	--	--	--	1,092	118.3	26.81
Wyoming	1,745	84.7	14.58	275	68.5	12.68	2,020	82.4	14.32	--	--	--
Pacific	435	122.8	19.51	208	114.5	22.14	576	121.5	19.85	67	109.1	24.70
California	--	--	--	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	141	110.2	21.59	74	111.6	18.76	67	109.1	24.70
Washington	435	122.8	19.51	67	124.0	23.31	502	123.0	20.02	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--	--
U. S. Total	52,299	144.2	29.06	14,824	128.9	29.26	47,416	134.3	25.74	19,706	152.3	37.20

¹ Monetary values are expressed in nominal terms.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1993 are preliminary.

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 Coal Delivered to Electric Utilities by Sulfur Content, Census Division, and State, October 1993

Census Division and State	0.5% or Less			More than 0.5% up to 1.0%			More than 1.0% up to 1.5%		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)	(1,000 short tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)
New England	51	177.9	44.96	94	179.9	46.41	78	166.6	43.17
Connecticut	--	--	--	54	172.0	45.03	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	14	184.0	46.67	40	190.9	48.27	78	166.6	43.17
New Hampshire	37	175.6	44.33	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	445	166.2	41.40	373	161.7	40.67
New Jersey	--	--	--	30	183.1	49.59	--	--	--
New York	--	--	--	158	180.9	45.67	109	177.1	44.00
Pennsylvania	--	--	--	257	154.7	37.83	265	155.4	39.30
East North Central	5,040	145.4	26.49	3,026	158.4	38.37	769	141.3	34.33
Illinois	1,308	210.6	38.05	298	162.8	40.65	77	111.9	23.49
Indiana	1,062	119.2	21.26	192	174.4	39.96	111	125.8	27.69
Michigan	1,305	140.6	26.11	962	165.8	41.20	295	158.2	41.21
Ohio	--	--	--	1,328	149.3	36.01	286	135.0	32.71
Wisconsin	1,365	108.4	19.84	246	160.8	36.03	--	--	--
West North Central	5,272	97.9	16.97	3,224	88.4	13.18	280	160.3	35.70
Iowa	1,117	109.8	18.51	138	104.2	20.39	43	84.8	14.29
Kansas	1,387	99.1	17.12	--	--	--	--	--	--
Minnesota	792	104.9	18.64	678	119.4	20.98	13	103.0	22.64
Missouri	1,164	99.8	17.68	266	114.5	23.10	224	174.0	40.57
Nebraska	813	70.1	11.96	--	--	--	--	--	--
North Dakota	--	--	--	2,014	66.1	8.71	--	--	--
South Dakota	--	--	--	127	114.5	13.73	--	--	--
South Atlantic	270	157.3	30.36	4,577	171.8	42.99	3,236	161.8	40.67
Delaware	--	--	--	113	168.7	43.51	76	159.7	41.59
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	131	168.9	36.69	1,050	170.4	41.86	450	192.6	48.02
Georgia	138	143.3	24.37	622	199.7	50.36	648	165.8	40.91
Maryland	--	--	--	297	161.8	41.56	51	139.1	35.28
North Carolina	--	--	--	1,193	178.7	44.54	871	160.6	40.02
South Carolina	--	--	--	165	159.5	40.97	650	154.7	39.90
Virginia	--	--	--	550	147.6	37.88	252	142.7	36.65
West Virginia	--	--	--	587	163.1	40.05	238	143.5	35.71
East South Central	123	130.6	34.41	2,051	168.9	40.85	1,129	125.9	31.02
Alabama	101	125.2	34.02	1,087	196.4	47.25	319	144.7	35.13
Kentucky	--	--	--	764	130.3	31.51	257	109.7	26.63
Mississippi	22	161.2	36.19	130	191.2	48.36	3	146.0	35.60
Tennessee	--	--	--	70	119.4	29.22	548	122.5	30.67
West South Central	7,854	154.2	25.47	860	139.4	19.48	1,707	129.6	17.47
Arkansas	863	182.3	31.48	--	--	--	--	--	--
Louisiana	927	163.4	27.51	37	168.3	23.90	161	146.8	19.72
Oklahoma	1,609	120.6	20.80	--	--	--	--	--	--
Texas	4,454	159.4	25.56	823	138.1	19.28	1,546	127.8	17.24
Mountain	3,773	123.1	23.94	5,044	108.8	21.18	30	78.5	15.29
Arizona	704	171.9	34.57	944	115.3	24.12	--	--	--
Colorado	1,251	109.8	21.79	104	105.9	23.81	23	83.0	16.00
Idaho	--	--	--	--	--	--	--	--	--
Montana	23	100.0	13.20	774	62.8	10.73	--	--	--
Nevada	313	191.2	42.00	385	130.3	28.43	--	--	--
New Mexico	--	--	--	1,215	134.1	24.31	--	--	--
Utah	430	153.5	35.52	662	94.6	21.15	--	--	--
Wyoming	1,053	57.9	9.50	960	106.4	19.61	7	64.4	12.98
Pacific	208	114.5	22.14	435	122.8	19.51	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	141	110.2	21.59	--	--	--	--	--	--
Washington	67	124.0	23.31	435	122.8	19.51	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U. S. Total	22,590	133.2	23.58	19,757	142.8	30.07	7,602	149.0	33.13

¹ Monetary values are expressed in nominal terms.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1993 are preliminary.

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 Coal Delivered to Electric Utilities by Sulfur Content, Census Division, and State, October 1993 (Continued)

Census Division and State	More than 1.5% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Purchases	
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹			
	(1,000 short tons)	(Cents per 10 ⁴ Btu)	(\$ per short ton)	(1,000 short tons)	(Cents per 10 ⁴ Btu)	(\$ per short ton)	(1,000 short tons)	(Cents per 10 ⁴ Btu)	(\$ per short ton)	(Cents per 10 ⁴ Btu)	(\$ per short ton)
New England	91	161.0	42.47	29	148.1	38.57	--	--	--	168.7	43.74
Connecticut	--	--	--	--	--	--	--	--	--	172.0	45.03
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	22	155.0	41.03	--	--	--	--	--	--	172.6	44.50
New Hampshire	69	162.9	42.93	29	148.1	38.57	--	--	--	163.1	42.37
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	1,325	145.7	37.15	1,420	142.9	35.78	377	161.9	39.39	150.0	37.68
New Jersey	--	--	--	53	166.1	42.97	--	--	--	172.4	45.35
New York	397	140.2	36.62	23	140.6	36.36	--	--	--	155.1	39.86
Pennsylvania	927	148.2	37.37	1,344	142.0	35.48	377	161.9	39.39	148.3	37.01
East North Central	763	139.1	32.63	2,293	133.9	30.50	3,057	145.1	33.34	145.8	31.63
Illinois	9	157.5	34.67	497	135.7	29.81	649	132.8	28.86	168.5	34.37
Indiana	424	147.0	32.30	1,043	118.5	26.53	762	119.2	26.71	125.8	26.44
Michigan	17	123.5	32.56	61	142.5	35.32	19	159.4	36.24	153.3	33.57
Ohio	201	116.4	29.59	612	149.3	35.75	1,627	160.9	38.19	151.2	36.30
Wisconsin	112	154.9	39.18	81	188.0	42.56	--	--	--	124.5	24.27
West North Central	9	163.4	36.65	284	178.4	40.99	193	143.1	32.17	102.2	17.29
Iowa	8	163.2	36.34	116	147.3	33.30	47	129.3	29.15	113.5	20.17
Kansas	--	--	--	19	310.6	71.98	29	110.7	25.24	103.1	18.02
Minnesota	1	165.0	38.81	--	--	--	--	--	--	111.5	19.76
Missouri	--	--	--	148	185.0	43.02	117	156.9	35.09	124.2	24.12
Nebraska	--	--	--	--	--	--	--	--	--	70.1	11.96
North Dakota	--	--	--	--	--	--	--	--	--	66.1	8.71
South Dakota	--	--	--	--	--	--	--	--	--	114.5	13.73
South Atlantic	1,475	158.9	39.70	985	164.8	40.72	443	127.8	31.26	164.4	40.88
Delaware	--	--	--	--	--	--	--	--	--	165.0	42.74
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	46	209.6	50.09	435	181.5	44.30	113	194.7	46.97	179.1	43.71
Georgia	473	180.3	44.95	196	165.7	38.42	--	--	--	178.7	43.32
Maryland	351	170.5	43.11	45	159.5	41.46	--	--	--	164.2	41.85
North Carolina	--	--	--	--	--	--	--	--	--	171.1	42.63
South Carolina	142	156.1	39.75	--	--	--	--	--	--	155.7	40.06
Virginia	--	--	--	--	--	--	--	--	--	146.0	37.49
West Virginia	463	123.8	30.69	309	143.1	37.04	330	105.3	25.89	138.2	34.36
East South Central	1,132	148.1	36.20	1,911	122.4	29.34	990	114.4	25.78	139.2	33.48
Alabama	499	172.9	41.93	180	133.0	31.99	191	119.6	28.10	170.4	41.25
Kentucky	196	128.1	30.72	963	115.5	27.02	799	113.1	25.22	119.2	27.90
Mississippi	--	--	--	98	134.2	34.24	--	--	--	166.0	41.70
Tennessee	437	129.0	32.10	670	127.3	31.24	--	--	--	125.9	31.20
West South Central	134	152.7	18.21	262	106.3	11.27	--	--	--	149.0	23.29
Arkansas	--	--	--	--	--	--	--	--	--	182.3	31.48
Louisiana	--	--	--	--	--	--	--	--	--	161.6	26.28
Oklahoma	--	--	--	--	--	--	--	--	--	120.6	20.80
Texas	134	152.7	18.21	262	106.3	11.27	--	--	--	149.6	22.40
Mountain	--	--	--	--	--	--	--	--	--	114.8	22.34
Arizona	--	--	--	--	--	--	--	--	--	138.9	28.58
Colorado	--	--	--	--	--	--	--	--	--	109.1	21.85
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	63.6	10.80
Nevada	--	--	--	--	--	--	--	--	--	157.7	34.52
New Mexico	--	--	--	--	--	--	--	--	--	134.1	24.31
Utah	--	--	--	--	--	--	--	--	--	118.3	26.81
Wyoming	--	--	--	--	--	--	--	--	--	82.4	14.32
Pacific	--	--	--	--	--	--	--	--	--	119.8	20.36
California	--	--	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	110.2	21.59
Washington	--	--	--	--	--	--	--	--	--	123.0	20.02
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U. S. Total	4,930	149.7	36.57	7,184	138.5	32.38	5,080	138.9	32.08	140.5	29.11

¹ Monetary values are expressed in nominal terms.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1993 are preliminary.

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

**Table 44. Electric Utility Receipts of Petroleum by Type, Census Division, and State,
October 1993**

Census Division and State	No. 2 Fuel Oil		No. 4 Fuel Oil ¹		No. 5 Fuel Oil ¹		No. 6 Fuel Oil		Total	
	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)
New England	8	48	--	--	--	--	3,566	22,630	3,574	22,678
Connecticut	2	10	--	--	--	--	722	4,598	724	4,609
Maine	1	4	--	--	--	--	94	595	95	599
Massachusetts	3	18	--	--	--	--	2,420	15,343	2,423	15,361
New Hampshire	3	16	--	--	--	--	329	2,093	332	2,109
Rhode Island	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	62	359	--	--	--	--	2,059	13,040	2,120	13,400
New Jersey	1	4	--	--	--	--	316	1,985	316	1,989
New York	27	160	--	--	--	--	1,663	10,548	1,691	10,708
Pennsylvania	34	196	--	--	--	--	80	507	114	703
East North Central	111	644	--	--	--	--	181	1,149	292	1,793
Illinois	32	186	--	--	--	--	126	806	158	992
Indiana	16	91	--	--	--	--	--	--	16	91
Michigan	16	96	--	--	--	--	55	343	71	439
Ohio	45	261	--	--	--	--	--	--	45	261
Wisconsin	2	10	--	--	--	--	--	--	2	10
West North Central	36	210	--	--	--	--	19	124	55	334
Iowa	1	6	--	--	--	--	--	--	1	6
Kansas	6	35	--	--	--	--	--	--	6	35
Minnesota	1	6	--	--	--	--	--	--	1	6
Missouri	23	133	--	--	--	--	19	124	42	257
Nebraska	*	2	--	--	--	--	--	--	*	2
North Dakota	5	27	--	--	--	--	--	--	5	27
South Dakota	--	--	--	--	--	--	--	--	--	--
South Atlantic	134	781	41	249	--	--	5,793	37,054	5,968	38,084
Delaware	4	25	--	--	--	--	300	1,919	305	1,944
District of Columbia	--	--	41	249	--	--	--	--	41	249
Florida	30	175	--	--	--	--	5,074	32,479	5,104	32,654
Georgia	5	30	--	--	--	--	--	--	5	30
Maryland	31	181	--	--	--	--	418	2,657	449	2,837
North Carolina	18	106	--	--	--	--	--	--	18	106
South Carolina	3	17	--	--	--	--	--	--	3	17
Virginia	20	116	--	--	--	--	--	--	20	116
West Virginia	23	132	--	--	--	--	--	--	23	132
East South Central	23	136	*	1	--	--	880	5,689	904	5,825
Alabama	7	38	--	--	--	--	--	--	7	38
Kentucky	7	43	--	--	--	--	--	--	7	43
Mississippi	1	8	*	1	--	--	880	5,689	882	5,697
Tennessee	8	47	--	--	--	--	--	--	8	47
West South Central	15	87	--	--	--	--	1	6	16	93
Arkansas	9	51	--	--	--	--	--	--	9	51
Louisiana	3	18	--	--	--	--	1	6	4	25
Oklahoma	--	--	--	--	--	--	--	--	--	--
Texas	3	18	--	--	--	--	--	--	3	18
Mountain	20	115	--	--	--	--	81	506	101	621
Arizona	8	46	--	--	--	--	--	--	8	46
Colorado	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--
Montana	2	12	--	--	--	--	--	--	2	12
Nevada	--	--	--	--	--	--	81	506	81	506
New Mexico	4	23	--	--	--	--	--	--	4	23
Utah	3	18	--	--	--	--	--	--	3	16
Wyoming	3	18	--	--	--	--	--	--	3	18
Pacific	*	*	--	--	--	--	100	627	100	627
California	--	--	--	--	--	--	100	627	100	627
Oregon	--	--	--	--	--	--	--	--	--	--
Washington	*	*	--	--	--	--	--	--	*	*
Pacific Noncontiguous	--	--	--	--	--	--	876	5,487	876	5,487
Alaska	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	876	5,487	876	5,487
U.S. Total	409	2,379	41	249	--	--	13,555	86,314	14,005	88,942

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

* 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 1993 are preliminary.

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

Table 45. Receipts and Average Cost of Petroleum Delivered to Electric Utilities by Census Division and State

Census Division and State	October 1993 Receipts		October 1992 Receipts		Year to Date			
	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents per million Btu) ¹	
					1993	1992	1993	1992
New England	3,574	22,678	2,398	15,363	143,698	184,007	254.4	227.3
Connecticut	724	4,609	456	2,893	31,124	47,549	249.2	237.5
Maine	95	599	4	24	6,941	11,900	212.5	219.7
Massachusetts	2,423	15,361	1,573	10,012	95,572	110,982	266.7	229.8
New Hampshire	332	2,109	365	2,434	10,041	13,066	182.6	177.0
Rhode Island	--	--	--	--	8	511	258.5	195.0
Vermont	--	--	--	--	11	--	485.1	--
Middle Atlantic	2,120	13,400	3,035	19,207	160,707	200,445	265.5	266.4
New Jersey	316	1,989	309	1,942	13,665	12,337	276.5	303.4
New York	1,691	10,708	2,640	16,730	111,867	168,762	266.2	262.8
Pennsylvania	114	703	86	536	35,175	19,346	258.8	273.8
East North Central	292	1,793	289	1,759	19,293	20,381	335.1	323.2
Illinois	158	992	150	989	8,983	12,491	309.5	303.4
Indiana	16	91	38	222	1,770	1,213	436.2	446.8
Michigan	71	439	46	281	6,070	4,703	308.1	287.9
Ohio	45	261	38	218	2,092	1,687	423.4	454.9
Wisconsin	2	10	8	50	377	288	415.8	466.1
West North Central	55	334	47	287	2,799	2,114	368.3	328.8
Iowa	1	6	6	32	478	282	405.0	427.6
Kansas	6	35	5	29	310	227	402.9	440.5
Minnesota	1	6	7	41	147	162	439.2	451.2
Missouri	42	257	24	152	1,324	1,149	309.2	233.1
Nebraska	--	2	4	21	180	25	419.1	485.9
North Dakota	5	27	2	11	328	268	451.8	451.3
South Dakota	--	--	--	--	33	--	467.2	--
South Atlantic	5,968	38,084	4,726	30,091	351,694	289,118	230.9	242.1
Delaware	305	1,944	20	126	16,618	12,122	239.3	241.7
District of Columbia	41	249	--	--	2,225	1,144	303.6	356.1
Florida	5,104	32,654	4,304	27,455	284,331	234,485	226.4	239.3
Georgia	5	30	7	41	1,818	1,167	345.1	433.2
Maryland	449	2,837	331	2,097	32,895	25,089	235.5	226.9
North Carolina	18	106	17	99	909	907	420.8	443.5
South Carolina	3	17	17	99	261	409	431.2	466.1
Virginia	20	116	5	31	11,032	12,049	231.4	241.1
West Virginia	23	132	24	143	1,604	1,747	475.3	475.0
East South Central	904	5,825	26	150	30,867	5,853	195.3	303.2
Alabama	7	38	8	48	466	552	440.7	468.9
Kentucky	7	43	11	65	922	1,000	451.5	481.6
Mississippi	882	5,697	1	4	28,833	3,728	177.7	199.6
Tennessee	8	47	6	33	645	573	438.7	506.3
West South Central	16	93	66	388	5,423	2,345	264.9	411.0
Arkansas	9	51	8	45	426	443	464.9	480.9
Louisiana	4	25	5	30	4,376	420	227.2	377.4
Oklahoma	--	--	--	--	28	82	367.0	451.5
Texas	3	18	53	314	593	1,401	394.3	396.6
Mountain	101	621	60	361	4,173	2,689	398.4	424.0
Arizona	8	46	20	119	170	647	508.4	459.1
Colorado	--	--	--	--	20	52	480.6	420.1
Idaho	--	--	--	--	--	--	--	--
Montana	2	12	2	12	113	89	517.3	508.2
Nevada	81	506	24	150	2,906	952	357.0	324.5
New Mexico	4	23	7	39	320	333	507.6	505.0
Utah	3	16	3	18	148	159	524.5	479.8
Wyoming	3	18	4	24	495	458	464.8	487.0
Pacific Contiguous	100	627	2	12	1,077	133	324.3	459.5
California	100	627	--	--	949	7	305.7	217.9
Oregon	--	--	--	--	--	59	--	467.9
Washington	--	--	2	12	127	67	463.3	476.1
Pacific Noncontiguous	876	5,487	571	3,606	37,687	44,034	319.5	287.6
Alaska	--	--	--	--	--	--	--	--
Hawaii	876	5,487	571	3,606	37,687	44,034	319.5	287.6
U.S. Total	14,005	88,942	11,221	71,225	757,417	751,122	250.1	251.7

¹ Monetary values are expressed in nominal terms.

* Less than 0.5.

Notes: •Data for 1992 are final. Data for 1993 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. •The October 1993 petroleum coke receipts were 97,502 short tons and the cost was 70.0 cents per million Btu.

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

Table 46. Receipts and Average Cost of Petroleum Delivered to Electric Utilities by Type, Census Division, and State, October 1993

Census Division and State	Fuel Oil No. 6 by Type of Purchase						Averaged Cost of Fuel Oils ¹					
	Contract			Spot			No. 2		No. 4-No. 5		No. 6	
	Receipts	Average Cos. ¹		Receipts	Average Cost ¹		(Cents per 10 ⁶ Btu)	(\$ per bbl)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(Cents per 10 ⁶ Btu)	(\$ per bbl)
	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(Cents per 10 ⁶ Btu)	(\$ per bbl)
New England	3,264	238.3	15.12	302	295.5	18.78	414.8	24.25	--	--	243.1	15.43
Connecticut	657	249.7	15.91	65	256.0	16.17	413.9	24.24	--	--	250.3	15.94
Maine	94	223.7	14.11	--	--	--	419.5	24.53	--	--	223.7	14.11
Massachusetts	2,183	244.9	15.52	237	306.3	19.50	418.6	24.52	--	--	251.0	15.91
New Hampshire	329	175.5	11.16	--	--	--	409.9	23.88	--	--	175.5	11.16
Rhode Island	--	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	1,694	249.4	15.81	365	244.1	15.39	433.0	25.25	--	--	248.5	15.74
New Jersey	316	250.9	15.78	--	--	--	441.2	25.61	--	--	250.9	15.78
New York	1,314	245.3	15.58	350	244.0	15.37	448.5	26.16	--	--	245.0	15.54
Pennsylvania	65	326.7	20.66	15	245.6	15.75	420.2	24.51	--	--	311.3	19.74
East North Central	126	259.0	16.56	55	279.1	17.34	444.4	25.87	--	--	265.0	16.80
Illinois	126	259.0	16.56	--	--	--	461.8	26.88	--	--	259.0	16.56
Indiana	--	--	--	--	--	--	459.4	26.46	--	--	--	--
Michigan	--	--	--	55	279.1	17.34	393.2	23.56	--	--	279.1	17.34
Ohio	--	--	--	--	--	--	445.7	25.75	--	--	--	--
Wisconsin	--	--	--	--	--	--	442.9	26.04	--	--	--	--
West North Central	--	--	--	19	178.5	11.75	440.6	25.49	--	--	178.5	11.75
Iowa	--	--	--	--	--	--	516.5	30.45	--	--	--	--
Kansas	--	--	--	--	--	--	459.3	26.68	--	--	--	--
Minnesota	--	--	--	--	--	--	529.1	30.61	--	--	--	--
Missouri	--	--	--	19	178.5	11.75	418.4	24.10	--	--	178.5	11.75
Nebraska	--	--	--	--	--	--	477.6	27.71	--	--	--	--
North Dakota	--	--	--	--	--	--	484.8	28.30	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	2,970	216.4	13.83	2,823	215.9	13.83	427.2	24.91	317.2	19.25	216.2	13.83
Delaware	300	227.1	14.51	--	--	--	416.7	24.55	--	--	227.1	14.51
District of Columbia	--	--	--	--	--	--	--	--	317.2	19.25	--	--
Florida	2,251	210.7	13.48	2,823	215.9	13.83	435.5	25.25	--	--	213.6	13.67
Georgia	--	--	--	--	--	--	425.1	24.73	--	--	--	--
Maryland	418	239.9	15.24	--	--	--	405.0	23.62	--	--	239.9	15.24
North Carolina	--	--	--	--	--	--	425.7	24.71	--	--	--	--
South Carolina	--	--	--	--	--	--	441.1	25.56	--	--	--	--
Virginia	--	--	--	--	--	--	384.2	22.58	--	--	--	--
West Virginia	--	--	--	--	--	--	486.1	28.44	--	--	--	--
East South Central	--	--	--	880	177.5	11.47	447.6	26.01	384.7	23.52	177.5	11.47
Alabama	--	--	--	--	--	--	464.3	26.71	--	--	--	--
Kentucky	--	--	--	--	--	--	472.0	27.54	--	--	--	--
Mississippi	--	--	--	880	177.5	11.47	439.6	25.43	384.7	23.52	177.5	11.47
Tennessee	--	--	--	--	--	--	413.4	24.16	--	--	--	--
West South Central	1	228.2	14.85	*	216.8	13.95	428.6	24.75	--	--	224.9	14.59
Arkansas	--	--	--	--	--	--	439.9	25.26	--	--	--	--
Louisiana	1	228.2	14.85	*	216.8	13.95	437.9	25.61	--	--	224.9	14.59
Oklahoma	--	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	387.3	22.45	--	--	--	--
Mountain	--	--	--	81	375.6	23.47	539.4	31.70	--	--	375.6	23.47
Arizona	--	--	--	--	--	--	501.0	29.85	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	473.5	28.04	--	--	--	--
Nevada	--	--	--	81	375.6	23.47	--	--	--	--	375.6	23.47
New Mexico	--	--	--	--	--	--	646.8	36.95	--	--	--	--
Utah	--	--	--	--	--	--	529.9	31.03	--	--	--	--
Wyoming	--	--	--	--	--	--	554.8	32.62	--	--	--	--
Pacific	--	--	--	100	263.0	16.48	721.0	41.79	--	--	263.0	16.48
California	--	--	--	100	263.0	16.48	--	--	--	--	263.0	16.48
Oregon	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	721.0	41.79	--	--	--	--
Pacific Noncontiguous	876	268.4	16.82	--	--	--	--	--	--	--	268.4	16.82
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii	876	268.4	16.82	--	--	--	--	--	--	--	268.4	16.82
U. S. Total	8,931	236.3	15.01	4,624	220.2	14.08	440.3	25.64	317.4	19.26	230.8	14.69

¹ Monetary values are expressed in nominal terms.

* = Less than 0.05.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1993 are preliminary.

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

Table 47. Receipts and Average Cost of Heavy Oil Delivered to Electric Utilities by Sulfur Content, Census Division, and State, October 1993

Census Division and State	0.3% or Less			More than 0.3% up to 0.5%			More than 0.5% up to 1.0%		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)
New England	--	--	--	112	272.4	16.87	1,863	232.0	14.77
Connecticut	--	--	--	106	273.8	16.93	616	246.3	15.77
Maine	--	--	--	--	--	--	94	223.7	14.11
Massachusetts	--	--	--	6	248.7	15.86	1,153	224.9	14.29
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	776	248.7	15.61	135	287.9	18.03	578	276.3	17.59
New Jersey	266	248.4	15.57	--	--	--	50	264.0	16.90
New York	510	248.8	15.63	70	251.2	15.58	513	278.4	17.71
Pennsylvania	--	--	--	65	326.7	20.66	15	245.6	15.75
East North Central	--	--	--	--	--	--	181	265.0	16.80
Illinois	--	--	--	--	--	--	126	259.0	16.56
Indiana	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	55	279.1	17.34
Ohio	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	--	--	--	--	--	--	3,518	226.8	14.54
Delaware	--	--	--	--	--	--	300	227.1	14.51
District of Columbia	--	--	--	--	--	--	41	317.2	19.25
Florida	--	--	--	--	--	--	2,808	223.0	14.34
Georgia	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	368	245.4	15.60
North Carolina	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	*	384.7	23.52	--	--	--
Alabama	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	*	384.7	23.52	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--
West South Central	--	--	--	--	--	--	1	228.2	14.85
Arkansas	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	1	228.2	14.85
Oklahoma	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	81	375.6	23.47
Arizona	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	81	375.6	23.47
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--
Pacific	--	--	--	100	263.0	16.48	--	--	--
California	--	--	--	100	263.0	16.48	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	876	268.4	16.82	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	876	268.4	16.82	--	--	--
U. S. Total	776	248.7	15.61	1,223	270.5	16.93	6,222	235.9	15.08

¹ Monetary values are expressed in nominal terms.

* = Less than 0.05.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Fuel Oil No. 2 has been omitted from this table. •Oil and petroleum are used interchangeably in this report. •Data for 1993 are preliminary.

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

Table 47. Receipts and Average Cost of Heavy Oil Delivered to Electric Utilities by Sulfur Content, Census Division, and State, October 1993 (Continued)

Census Division and State	More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Purchases	
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹			
	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)	(Cents per 10 ⁶ Btu)	(\$ per bbl)
New England	537	258.8	16.47	1,054	251.9	15.91	--	--	--	243.1	15.43
Connecticut	--	--	--	--	--	--	--	--	--	250.3	15.94
Maine	--	--	--	--	--	--	--	--	--	223.7	14.11
Massachusetts	208	390.9	24.88	1,054	251.9	15.91	--	--	--	251.0	15.91
New Hampshire	329	175.5	11.16	--	--	--	--	--	--	175.5	11.16
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	570	211.0	13.50	--	--	--	--	--	--	248.5	15.74
New Jersey	--	--	--	--	--	--	--	--	--	250.9	15.78
New York	570	211.0	13.50	--	--	--	--	--	--	245.0	15.54
Pennsylvania	--	--	--	--	--	--	--	--	--	311.3	19.74
East North Central	--	--	--	--	--	--	--	--	--	265.0	16.80
Illinois	--	--	--	--	--	--	--	--	--	259.0	16.56
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	279.1	17.34
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	19	178.5	11.75	--	--	--	178.5	11.75
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	19	178.5	11.75	--	--	--	178.5	11.75
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	1,528	207.6	13.19	788	190.3	12.17	--	--	--	216.8	13.87
Delaware	--	--	--	--	--	--	--	--	--	227.1	14.51
District of Columbia	--	--	--	--	--	--	--	--	--	317.2	19.25
Florida	1,477	207.9	13.21	788	190.3	12.17	--	--	--	213.6	13.67
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	50	199.4	12.61	--	--	--	--	--	--	239.9	15.24
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	880	177.5	11.47	--	--	--	177.5	11.48
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	880	177.5	11.47	--	--	--	177.5	11.48
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	*	216.8	13.95	--	--	--	--	--	--	224.9	14.59
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	*	216.8	13.95	--	--	--	--	--	--	224.9	14.59
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--	--	--	375.6	23.47
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	375.6	23.47
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific	--	--	--	--	--	--	--	--	--	263.0	16.48
California	--	--	--	--	--	--	--	--	--	263.0	16.48
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	268.4	16.82
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	268.4	16.82
U. S. Total	2,634	218.8	13.92	2,741	209.5	13.38	--	--	--	231.0	14.71

¹ Monetary values are expressed in nominal terms.

* = Less than 0.05.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Fuel Oil No. 2 has been omitted from this table. •Oil and petroleum are used interchangeably in this report. •Data for 1993 are preliminary.

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

**Table 48. Electric Utility Receipts of Gas by Type, Census Division, and State,
October 1993**

Census Division and State	Natural		Blast-Furnace ¹		Refinery		Total	
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)
New England	2,495	2,595	--	--	--	--	2,495	2,595
Connecticut	15	16	--	--	--	--	15	16
Maine	--	--	--	--	--	--	--	--
Massachusetts	2,458	2,558	--	--	--	--	2,458	2,558
New Hampshire	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--
Vermont	21	21	--	--	--	--	21	21
Middle Atlantic	15,666	16,157	--	--	--	--	15,666	16,157
New Jersey	433	449	--	--	--	--	433	449
New York	14,561	15,016	--	--	--	--	14,561	15,016
Pennsylvania	672	692	--	--	--	--	672	692
East North Central	2,819	2,864	1,322	192	--	--	4,141	3,056
Illinois	2,173	2,207	--	--	--	--	2,173	2,207
Indiana	309	315	--	--	--	--	309	315
Michigan	100	101	1,322	192	--	--	1,422	293
Ohio	38	39	--	--	--	--	38	39
Wisconsin	199	201	--	--	--	--	199	201
West North Central	2,108	2,080	--	--	--	--	2,108	2,080
Iowa	192	192	--	--	--	--	192	192
Kansas	1,144	1,120	--	--	--	--	1,144	1,120
Minnesota	207	209	--	--	--	--	207	209
Missouri	472	467	--	--	--	--	472	467
Nebraska	93	91	--	--	--	--	93	91
North Dakota	.	.	--	--	--	--	.	.
South Dakota	--	--	--	--	--	--	--	--
South Atlantic	14,862	15,067	--	--	48	50	14,910	15,117
Delaware	1,290	1,331	--	--	--	--	1,290	1,331
District of Columbia	--	--	--	--	--	--	--	--
Florida	11,988	12,093	--	--	--	--	11,988	12,093
Georgia	73	75	--	--	--	--	73	75
Maryland	125	130	--	--	--	--	125	130
North Carolina	43	44	--	--	--	--	43	44
South Carolina	2	2	--	--	--	--	2	2
Virginia	1,334	1,384	--	--	48	50	1,382	1,434
West Virginia	7	7	--	--	--	--	7	7
East South Central	3,104	3,188	--	--	--	--	3,104	3,188
Alabama	242	246	--	--	--	--	242	246
Kentucky	16	17	--	--	--	--	16	17
Mississippi	2,846	2,925	--	--	--	--	2,846	2,925
Tennessee	--	--	--	--	--	--	--	--
West South Central	127,832	131,342	--	--	--	--	127,832	131,342
Arkansas	3,019	3,079	--	--	--	--	3,019	3,079
Louisiana	22,156	23,121	--	--	--	--	22,156	23,121
Oklahoma	11,880	12,329	--	--	--	--	11,880	12,329
Texas	90,777	92,813	--	--	--	--	90,777	92,813
Mountain	5,861	6,019	--	--	--	--	5,861	6,019
Arizona	1,499	1,544	--	--	--	--	1,499	1,544
Colorado	146	147	--	--	--	--	146	147
Idaho	--	--	--	--	--	--	--	--
Montana	4	5	--	--	--	--	4	5
Nevada	1,906	1,960	--	--	--	--	1,906	1,960
New Mexico	1,938	1,967	--	--	--	--	1,938	1,967
Utah	363	391	--	--	--	--	363	391
Wyoming	5	5	--	--	--	--	5	5
Pacific	48,622	49,992	--	--	--	--	48,622	49,992
California	46,534	47,881	--	--	--	--	46,534	47,881
Oregon	2,086	2,109	--	--	--	--	2,086	2,109
Washington	2	2	--	--	--	--	2	2
Pacific Noncontiguous	1,396	1,394	--	--	--	--	1,396	1,394
Alaska	1,396	1,394	--	--	--	--	1,396	1,394
Hawaii	--	--	--	--	--	--	--	--
U.S. Total	224,766	230,697	1,322	192	48	50	226,136	230,939

¹ Includes coke oven gas.

* 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 1993 are preliminary. •Mcf=thousand cubic feet.

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

Table 49. Receipts and Average Cost of Gas Delivered to Electric Utilities by Census Division and State

Census Division and State	October 1993 Receipts		October 1992 Receipts		Year to Date			
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents per million Btu) ¹	
					1993	1992	1993	1992
New England	2,495	2,595	3,832	3,948	28,373	39,088	264.0	249.8
Connecticut	15	16	19	19	533	2,018	359.8	258.1
Maine	--	--	--	--	--	--	--	--
Massachusetts	2,458	2,558	3,692	3,808	27,162	34,904	263.1	252.1
New Hampshire	--	--	--	--	138	933	217.2	205.9
Rhode Island	--	--	--	--	275	472	257.3	213.4
Vermont	21	21	122	121	265	762	201.5	198.5
Middle Atlantic	15,866	16,157	14,754	15,218	189,967	211,963	250.2	229.3
New Jersey	433	449	995	1,029	26,505	32,184	229.1	207.8
New York	14,561	15,016	13,561	13,983	156,701	178,050	264.6	232.7
Pennsylvania	672	692	198	204	6,762	1,729	253.6	283.2
East North Central	4,141	3,056	2,152	964	26,520	27,160	250.8	213.1
Illinois	2,173	2,207	287	291	13,389	8,483	245.9	214.0
Indiana	309	315	139	139	3,835	6,175	272.8	237.5
Michigan	1,422	293	1,536	340	5,525	8,310	237.5	189.9
Ohio	38	39	65	67	1,405	2,182	281.7	217.0
Wisconsin	199	201	125	126	2,366	2,010	255.7	225.7
West North Central	2,108	2,080	894	875	24,072	15,801	244.3	202.4
Iowa	192	192	153	154	2,871	1,460	307.6	298.9
Kansas	1,144	1,120	415	402	14,148	9,175	233.9	195.7
Minnesota	207	209	88	90	1,834	2,724	242.0	175.4
Missouri	472	467	57	57	4,095	1,419	231.3	177.0
Nebraska	93	91	180	172	1,071	1,015	267.5	232.3
North Dakota	--	--	--	--	1	--	425.0	398.5
South Dakota	--	--	--	--	52	7	237.8	264.6
South Atlantic	14,910	15,117	12,638	12,778	175,428	197,703	245.8	227.7
Delaware	1,290	1,331	5	5	2,181	2,208	269.6	253.7
District of Columbia	--	--	--	--	--	--	--	--
Florida	11,988	12,093	11,963	12,079	146,696	171,679	237.3	225.3
Georgia	73	75	61	62	3,013	1,205	322.1	279.7
Maryland	125	130	461	480	4,415	8,420	283.7	247.0
North Carolina	43	44	95	98	2,275	2,685	348.5	271.8
South Carolina	2	2	5	6	477	1,290	289.3	162.2
Virginia	1,382	1,434	6	6	16,270	10,050	277.7	234.1
West Virginia	7	7	43	43	101	166	426.0	358.7
East South Central	3,104	3,188	940	962	25,797	41,312	244.0	180.6
Alabama	242	246	211	219	2,212	2,456	256.0	211.6
Kentucky	16	17	14	14	182	200	298.5	262.5
Mississippi	2,846	2,925	715	728	23,403	38,656	242.5	178.2
Tennessee	--	--	--	--	--	--	--	--
West South Central	127,832	131,342	106,940	110,179	1,315,448	1,220,004	245.6	214.7
Arkansas	3,019	3,079	733	773	17,152	27,304	218.0	154.0
Louisiana	22,156	23,121	17,247	18,084	212,993	224,068	236.7	177.8
Oklahoma	11,880	12,329	8,963	9,290	133,601	132,264	311.2	304.5
Texas	90,777	92,813	79,998	82,032	951,702	836,368	238.9	212.4
Mountain	5,861	6,019	6,768	6,948	65,069	77,289	240.1	197.7
Arizona	1,499	1,544	2,518	2,597	17,315	29,487	282.4	217.6
Colorado	146	147	214	212	1,677	1,204	249.7	205.2
Idaho	--	--	--	--	--	--	--	--
Montana	4	5	4	4	57	117	425.5	372.8
Nevada	1,906	1,960	1,921	1,959	18,532	22,207	232.4	182.7
New Mexico	1,938	1,967	1,695	1,734	23,455	19,317	218.1	189.1
Utah	363	391	408	433	3,950	4,866	212.5	171.4
Wyoming	5	5	8	8	84	71	327.1	321.4
Pacific Contiguous	48,622	49,992	54,914	57,050	391,914	496,612	296.5	280.9
California	46,534	47,881	53,091	55,206	380,671	484,163	298.9	262.7
Oregon	2,086	2,109	1,823	1,843	11,226	12,419	214.1	187.6
Washington	2	2	1	1	16	30	382.4	308.2
Pacific Noncontiguous	1,396	1,394	1,206	1,205	13,458	14,107	126.2	120.1
Alaska	1,396	1,394	1,206	1,205	13,458	14,107	126.2	120.1
Hawaii	--	--	--	--	--	--	--	--
U.S. Total	226,136	230,939	205,039	210,124	2,256,046	2,341,020	255.0	225.7

¹ Monetary values are expressed in nominal terms.

-- Less than 0.5.

Notes: •Data for 1992 are final. Data for 1993 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. •Includes small quantities of coke-oven, refinery, and blast-furnace gas. •Mcf=thousand cubic feet.

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

Table 50. Receipts and Average Cost of Gas Delivered to Electric Utilities by Type of Purchase, Census Division, and State, October 1993

Census Division and State	Firm Gas			Interruptible Gas			Spot Gas			Total Gas		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 Mcf)	(Cents per 10 ³ Btu)	(\$ per Mcf)	(1,000 Mcf)	(Cents per 10 ³ Btu)	(\$ per Mcf)	(1,000 Mcf)	(Cents per 10 ³ Btu)	(\$ per Mcf)	(1,000 Mcf)	(Cents per 10 ³ Btu)	(\$ per Mcf)
New England	47	403.8	4.30	2,427	247.9	2.58	21	200.8	2.01	2,495	250.5	2.61
Connecticut	15	718.2	7.40	---	---	---	---	---	---	15	718.2	7.40
Maine	---	---	---	---	---	---	---	---	---	---	---	---
Massachusetts	31	255.0	2.76	2,427	247.9	2.58	---	---	---	2,458	248.0	2.58
New Hampshire	---	---	---	---	---	---	---	---	---	---	---	---
Rhode Island	---	---	---	---	---	---	---	---	---	---	---	---
Vermont	---	---	---	---	---	---	21	200.8	2.01	21	200.8	2.01
Middle Atlantic	4,037	238.5	2.47	7,642	272.2	2.81	3,987	226.5	2.32	15,666	252.0	2.60
New Jersey	---	---	---	357	229.6	2.38	76	228.6	2.38	433	229.4	2.38
New York	4,036	238.5	2.46	6,614	275.7	2.85	3,911	226.5	2.32	14,561	252.2	2.60
Pennsylvania	1	408.6	4.21	671	260.7	2.69	---	---	---	672	261.0	2.69
East North Central	362	287.6	2.93	1,837	230.9	.90	1,942	219.8	2.23	4,141	230.6	1.70
Illinois	60	382.0	3.87	170	304.8	3.11	1,942	219.8	2.23	2,173	231.0	2.35
Indiana	262	248.4	2.53	47	249.5	2.55	---	---	---	309	248.5	2.53
Michigan	1	443.5	4.43	1,421	178.3	.37	---	---	---	1,422	179.0	.37
Ohio	14	349.1	3.62	24	370.0	3.80	---	---	---	38	362.2	3.73
Wisconsin	25	434.0	4.41	174	220.7	2.22	---	---	---	199	247.7	2.50
West North Central	349	241.4	2.32	1,755	223.8	2.22	4	244.4	2.44	2,108	226.7	2.24
Iowa	21	373.7	3.81	171	313.8	3.14	---	---	---	192	320.5	3.21
Kansas	324	232.2	2.23	816	206.6	2.04	4	244.4	2.44	1,144	213.8	2.09
Minnesota	---	---	---	207	236.4	2.38	---	---	---	207	236.4	2.38
Missouri	---	---	---	472	207.2	2.05	---	---	---	472	207.2	2.05
Nebraska	3	242.9	2.42	89	264.3	2.59	---	---	---	93	263.5	2.58
North Dakota	---	---	---	*	432.3	4.60	---	---	---	*	432.3	4.60
South Dakota	---	---	---	---	---	---	---	---	---	---	---	---
South Atlantic	11,047	228.8	2.31	2,452	264.4	2.68	1,412	277.1	2.88	14,910	239.3	2.43
Delaware	1,290	241.4	2.49	---	---	---	---	---	---	1,290	241.4	2.49
District of Columbia	---	---	---	---	---	---	---	---	---	---	---	---
Florida	9,757	227.1	2.29	2,181	260.9	2.64	51	263.0	2.75	11,988	233.4	2.35
Georgia	---	---	---	45	398.9	4.10	28	283.0	2.91	73	353.9	3.64
Maryland	---	---	---	125	267.8	2.79	---	---	---	125	267.8	2.79
North Carolina	---	---	---	43	331.7	3.43	---	---	---	43	331.7	3.43
South Carolina	---	---	---	2	308.9	3.17	---	---	---	2	308.9	3.17
Virginia	---	---	---	49	204.8	2.11	1,333	277.5	2.88	1,382	275.0	2.85
West Virginia	---	---	---	7	399.4	3.99	---	---	---	7	399.4	3.99
East South Central	730	237.0	2.45	2,360	219.3	2.25	14	265.8	2.72	3,104	223.7	2.30
Alabama	---	---	---	242	243.1	2.48	---	---	---	242	243.1	2.48
Kentucky	---	---	---	2	296.6	2.97	14	265.8	2.72	16	269.7	2.76
Mississippi	730	237.0	2.45	2,116	216.6	2.22	---	---	---	2,846	221.8	2.28
Tennessee	---	---	---	---	---	---	---	---	---	---	---	---
West South Central	89,045	248.0	2.55	26,671	211.6	2.16	12,116	224.9	2.33	127,832	238.2	2.45
Arkansas	297	133.0	1.49	2,722	227.8	2.30	---	---	---	3,019	217.6	2.22
Louisiana	10,065	237.2	2.48	5,038	215.0	2.25	7,053	217.0	2.26	22,156	225.7	2.36
Oklahoma	10,794	313.3	3.26	1,086	195.1	1.97	---	---	---	11,880	302.8	3.14
Texas	67,888	239.6	2.45	17,825	209.1	2.12	5,063	235.9	2.44	90,777	233.4	2.39
Mountain	1,318	221.4	2.26	3,675	208.0	2.14	869	224.2	2.31	5,861	213.4	2.19
Arizona	805	225.0	2.32	227	231.6	2.37	466	189.9	1.95	1,499	215.1	2.22
Colorado	37	241.8	2.38	109	246.6	2.51	---	---	---	146	245.4	2.48
Idaho	---	---	---	---	---	---	---	---	---	---	---	---
Montana	4	378.3	4.74	*	441.9	5.02	---	---	---	4	381.0	4.76
Nevada	---	---	---	1,504	207.5	2.13	402	264.0	2.71	1,906	219.4	2.26
New Mexico	472	211.9	2.11	1,466	195.3	1.99	---	---	---	1,938	199.2	2.02
Utah	---	---	---	363	231.4	2.49	---	---	---	363	231.4	2.49
Wyoming	---	---	---	5	359.4	3.77	---	---	---	5	359.4	3.77
Pacific	---	---	---	11,387	277.4	2.84	37,235	248.8	2.56	48,622	255.5	2.63
California	---	---	---	9,299	293.6	3.01	37,235	248.8	2.56	46,534	257.7	2.65
Oregon	---	---	---	2,086	204.1	2.06	---	---	---	2,086	204.1	2.06
Washington	---	---	---	2	369.0	3.87	---	---	---	2	369.0	3.87
Pacific Noncontiguous	1,396	102.6	1.02	---	---	---	---	---	---	1,396	102.6	1.02
Alaska	1,396	102.6	1.02	---	---	---	---	---	---	1,396	102.6	1.02
Hawaii	---	---	---	---	---	---	---	---	---	---	---	---
U. S. Total	108,331	243.7	2.50	60,205	236.5	2.37	57,600	241.5	2.49	226,136	241.3	2.46

¹ Monetary values are expressed in nominal terms.

* = Less than 0.05.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1993 are preliminary. •Mcf=thousand cubic feet.

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

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

Table 51. U.S. Electric Utility Sales of Electricity by Sector, 1983 Through November 1993
(Million Kilowatthours)

Period	Residential		Commercial		Industrial		Other ¹		All Sectors	
	Monthly Series ²	Annual Series ³	Monthly Series ²	Annual Series ³	Monthly Series ²	Annual Series ³	Monthly Series ²	Annual Series ³	Monthly Series ²	Annual Series ³
1983	750,948	--	543,788	--	775,999	--	80,219	--	2,150,955	--
1984	777,654	780,092	578,281	582,621	840,588	837,836	81,849	85,248	2,278,372	2,285,796
1985	790,977	793,934	608,968	605,989	824,523	836,772	85,075	87,279	2,309,543	2,323,974
1986	817,663	819,088	641,469	630,520	808,292	830,531	83,409	88,615	2,350,835	2,386,753
1987	849,613	850,410	673,707	660,433	845,268	858,233	86,854	88,196	2,455,440	2,457,272
1988	892,125	892,866	697,711	699,100	895,751	896,498	82,382	89,598	2,567,949	2,578,062
1989	903,979	905,525	725,229	725,861	926,376	925,659	91,066	89,765	2,646,851	2,646,809
1990	921,473	924,019	750,835	751,027	936,428	945,522	95,936	91,988	2,704,672	2,712,555
1991	957,801	955,417	765,476	765,664	944,684	946,583	96,513	94,339	2,764,474	2,762,003
1992 ⁴										
January	91,310	--	62,441	--	76,760	--	7,725	--	238,235	--
February	82,022	--	59,876	--	76,312	--	7,507	--	225,717	--
March	73,635	--	59,574	--	78,741	--	7,542	--	219,491	--
April	68,322	--	58,081	--	77,607	--	7,448	--	211,458	--
May	64,662	--	60,559	--	80,191	--	7,767	--	213,179	--
June	70,745	--	65,209	--	82,900	--	7,901	--	226,755	--
July	88,510	--	71,445	--	84,195	--	8,392	--	252,541	--
August	88,251	--	70,844	--	85,013	--	8,327	--	252,435	--
September	79,400	--	68,437	--	83,182	--	8,441	--	239,460	--
October	69,838	--	63,985	--	82,678	--	7,766	--	224,267	--
November	69,970	--	60,131	--	80,421	--	7,462	--	217,984	--
December	87,378	--	63,082	--	77,358	--	7,725	--	235,543	--
1992 Total	934,044	--	763,664	--	965,356	--	94,003	--	2,757,067	--
1993 ⁴										
January	93,739	--	63,930	--	78,074	--	8,112	--	243,856	--
February	83,416	--	60,624	--	77,017	--	7,940	--	228,997	--
March	83,023	--	62,169	--	79,504	--	7,919	--	232,615	--
April	69,668	--	59,389	--	79,593	--	7,588	--	216,238	--
May	63,852	--	61,420	--	82,100	--	7,602	--	214,975	--
June	76,584	--	68,171	--	84,768	--	8,138	--	237,662	--
July	101,023	--	75,704	--	85,370	--	8,457	--	270,555	--
August	102,214	--	76,551	--	86,832	--	8,609	--	274,206	--
September	88,884	--	71,708	--	83,839	--	8,699	--	253,131	--
October	71,770	--	65,242	--	83,377	--	8,270	--	228,660	--
November	72,676	--	61,301	--	81,278	--	7,794	--	223,049	--
Year to Date										
1993 ⁴	906,851	--	726,210	--	901,754	--	89,128	--	2,623,942	--
1992 ⁴	846,666	--	700,582	--	887,998	--	86,278	--	2,521,524	--

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

² See technical notes for an explanation of the modification to the sample design as of January 1993 estimates.

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

⁴ Estimates for 1992 and prior years are final and 1993 are preliminary.

Notes: •Totals may not equal sum of components because of independent rounding. •Estimates for sales and net generation may not correspond exactly for a particular month. Net generation data are for the calendar month. Sales and associated revenue data accumulated from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class, represent consumption occurring in and outside of the calendar month. This, among other reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity), is why the monthly sales and generation data are not directly comparable.

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

Table 52. Electric Utility Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, November 1992 and 1993
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992
New England	2,958	3,046	3,027	3,046	2,139	2,200	167	174	8,291	8,466
Connecticut	808	867	842	853	451	468	30	31	2,132	2,218
Maine	291	306	222	211	407	405	28	14	948	936
Massachusetts	1,233	1,257	1,473	1,493	772	798	80	100	3,557	3,648
New Hampshire	266	271	167	159	267	289	9	10	709	729
Rhode Island	189	189	201	201	122	119	16	16	528	525
Vermont	171	156	123	129	120	121	4	4	418	410
Middle Atlantic	7,542	7,708	8,319	8,230	7,232	7,432	1,115	1,141	24,208	24,511
New Jersey	1,563	1,560	2,163	2,119	1,180	1,188	47	46	4,953	4,913
New York	2,844	2,917	3,646	3,581	2,364	2,560	959	973	9,813	10,031
Pennsylvania	3,135	3,232	2,509	2,530	3,689	3,684	109	121	9,441	9,567
East North Central	11,277	10,958	9,464	9,017	17,389	17,025	1,180	1,283	39,310	38,283
Illinois	2,507	2,542	2,769	2,523	3,263	3,540	647	708	9,186	9,313
Indiana	1,978	1,759	1,374	1,272	3,384	3,099	44	47	6,779	6,177
Michigan	2,102	2,059	1,705	1,681	3,244	2,967	113	106	7,162	6,813
Ohio	3,296	3,178	2,511	2,470	5,729	5,715	325	363	11,861	11,726
Wisconsin	1,395	1,420	1,106	1,070	1,769	1,704	52	60	4,322	4,254
West North Central	5,604	5,629	4,347	4,236	5,880	5,576	451	393	16,281	15,835
Iowa	869	977	599	603	1,186	1,088	114	84	2,767	2,733
Kansas	673	648	788	760	769	668	31	28	2,262	2,104
Minnesota	1,237	1,287	709	672	1,976	1,905	58	58	3,980	3,921
Missouri	1,756	1,607	1,542	1,473	1,200	1,221	78	79	4,575	4,380
Nebraska	530	564	432	462	433	380	90	91	1,485	1,497
North Dakota	293	283	153	145	166	165	44	43	656	636
South Dakota	247	263	124	121	151	148	35	31	557	564
South Atlantic	17,082	15,659	12,892	12,487	12,907	12,738	1,474	1,436	44,335	42,320
Delaware	204	204	194	188	287	266	4	4	690	662
District of Columbia	115	102	397	392	199	219	29	28	740	741
Florida	5,967	5,320	4,589	4,396	1,227	1,273	400	390	12,181	11,378
Georgia	2,191	2,016	1,849	1,768	2,302	2,190	80	70	6,422	6,045
Maryland	1,531	1,458	856	785	1,576	1,616	71	58	4,035	3,917
North Carolina	2,596	2,470	1,966	1,925	2,767	2,684	150	131	7,500	7,211
South Carolina	1,316	1,183	955	925	2,230	2,168	62	65	4,563	4,340
Virginia	2,456	2,241	1,641	1,692	1,462	1,411	669	680	6,228	6,024
West Virginia	685	665	426	416	856	912	9	9	1,976	2,002
East South Central	5,992	5,394	3,091	2,789	10,110	9,967	410	401	19,603	18,551
Alabama	1,462	1,347	921	847	2,546	2,392	55	58	4,984	4,644
Kentucky	1,394	1,236	718	658	3,061	3,103	219	207	5,392	5,204
Mississippi	883	772	564	506	1,261	1,173	49	48	2,756	2,499
Tennessee	2,254	2,039	889	778	3,241	3,300	87	88	6,471	6,204
West South Central	8,875	8,431	7,325	7,334	11,494	11,203	1,318	1,211	29,012	28,178
Arkansas	757	683	484	491	980	1,000	40	46	2,260	2,220
Louisiana	1,450	1,389	1,123	1,077	2,461	2,372	223	172	5,257	5,010
Oklahoma	1,041	936	789	786	934	955	164	155	2,928	2,831
Texas	5,628	5,424	4,928	4,980	7,119	6,877	891	837	18,567	13,117
Mountain	4,079	3,942	4,127	4,114	4,713	4,874	590	455	13,510	13,385
Arizona	1,035	985	1,163	1,093	873	831	130	129	3,202	3,037
Colorado	850	806	1,102	1,194	576	520	75	60	2,603	2,580
Idaho	591	640	301	329	571	861	20	4	1,483	1,834
Montana	351	315	292	237	513	508	50	46	1,205	1,106
Nevada	391	378	307	323	596	618	70	78	1,364	1,396
New Mexico	305	291	370	348	406	362	162	82	1,243	1,084
Utah	389	378	377	408	493	509	74	47	1,332	1,341
Wyoming	168	150	215	182	685	666	10	9	1,077	1,007
Pacific Contiguous	8,935	8,849	8,334	8,506	9,070	9,066	1,071	948	27,410	27,370
California	5,067	5,182	5,762	6,011	5,175	4,857	694	589	16,698	16,638
Oregon	1,458	1,328	1,036	971	1,206	1,297	51	28	3,751	3,623
Washington	2,410	2,339	1,536	1,524	2,690	2,913	326	332	6,962	7,108
Pacific Noncontiguous	352	354	374	372	344	340	20	20	1,089	1,087
Alaska	146	151	177	178	39	34	16	15	378	378
Hawaii	206	203	197	194	305	307	3	5	711	708
U.S. Total	72,676	69,970	61,301	60,131	81,278	80,421	7,794	7,462	223,049	217,984

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

Notes: •Estimates for 1992 are final and 1993 are preliminary. •Totals may not equal sum of components because of independent rounding. •Estimated sales are based on the sales by utilities in the sample. •See technical notes for an explanation of the modification to the sample design as of January 1993 estimates. •Estimates for sales and net generation may not correspond exactly for a particular month. Net generation data are for the calendar month. Sales and associated revenue data accumulated from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class, represent consumption occurring in and outside of the calendar month. This, among other reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity), is why the monthly sales and generation data are not directly comparable.

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

**Table 53. Estimated Coefficients of Variation for Electric Utility Sales of Electricity by
Census Division and State, November 1993
(Percent)**

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.4	0.6	0.4	7.1	0.5
Connecticut	.0	.1	.2	.7	.0
Maine	.6	.5	.5	10.3	1.0
Massachusetts	.9	1.3	.9	14.3	1.2
New Hampshire	.5	.8	.6	1.5	.4
Rhode Island	.1	.2	.2	.7	.2
Vermont	.6	.1	.7	17.2	.2
Middle Atlantic	.7	.5	2.1	1.3	.8
New Jersey	.2	.1	.3	1.0	.1
New York	1.6	1.0	2.6	.4	1.1
Pennsylvania	.6	.9	3.8	12.7	1.5
East North Central	.9	1.0	1.0	2.7	.8
Illinois	1.0	3.1	1.2	.1	.6
Indiana	3.4	2.6	2.4	16.6	2.6
Michigan	1.8	.6	1.3	1.6	.8
Ohio	1.6	1.1	2.3	9.5	1.3
Wisconsin	.5	.3	2.8	6.5	1.1
West North Central	1.0	.8	1.7	5.7	1.0
Iowa	3.4	2.6	6.1	16.8	4.2
Kansas	3.4	3.3	7.1	11.9	4.1
Minnesota	1.6	1.9	1.8	2.6	1.2
Missouri	1.5	.4	1.0	3.1	.6
Nebraska	3.3	.5	3.4	18.0	1.5
North Dakota	2.7	2.0	1.7	1.7	.9
South Dakota	1.7	.4	.5	4.8	.6
South Atlantic	1.1	.4	.6	.8	.6
Delaware	.7	.2	.4	1.0	.3
District of Columbia	.0	.0	.0	.0	.0
Florida	2.7	1.0	2.7	2.0	1.8
Georgia	1.3	.5	1.3	1.8	.6
Maryland	.6	.4	.3	4.6	.3
North Carolina	2.1	.2	2.1	2.6	1.4
South Carolina	1.0	1.4	1.1	.8	.8
Virginia	3.0	1.1	.2	1.0	1.8
West Virginia	2.1	.3	1.0	3.8	1.1
East South Central	1.3	1.9	1.4	2.0	1.2
Alabama	1.0	4.2	.6	4.7	.9
Kentucky	2.9	1.5	2.8	1.2	3.1
Mississippi	1.8	.5	6.1	15.0	1.0
Tennessee	2.8	4.6	2.2	1.9	2.3
West South Central	1.0	.7	.8	.5	.8
Arkansas	3.1	.8	.8	4.6	1.1
Louisiana	1.2	.8	.5	1.1	1.1
Oklahoma	3.7	.2	2.3	1.3	1.9
Texas	1.4	1.0	1.2	.6	1.2
Mountain	1.8	1.9	1.0	12.3	1.4
Arizona	.7	.9	1.9	7.4	.7
Colorado	7.8	6.3	5.3	10.5	6.5
Idaho	.5	7.6	2.9	23.9	2.9
Montana	2.9	2.2	2.9	7.1	4.5
Nevada	4.6	.9	1.0	4.1	2.3
New Mexico	.6	.6	1.4	22.8	.9
Utah	3.8	6.4	3.5	82.1	4.2
Wyoming	4.1	3.4	1.1	12.0	.3
Pacific Contiguous	1.2	2.1	3.6	7.3	1.4
California	.7	3.0	4.6	11.0	.4
Oregon	3.3	1.4	9.6	25.8	4.2
Washington	3.7	1.3	7.4	3.8	4.8
Pacific Noncontiguous	.4	.5	1.0	7.7	.5
Alaska	.8	1.1	6.9	9.2	1.0
Hawaii	.3	.3	.7	4.1	.5
U.S. Total	.4	.4	.6	1.5	.3

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.
Notes: *For an explanation of coefficients of variation, see the technical notes. *Estimates for 1993 are preliminary.
Sources: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Table 54. Electric Utility Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, January Through November 1992 and 1993
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992
New England	34,380	33,980	35,440	34,723	23,958	23,894	1,901	1,833	95,679	94,429
Connecticut	9,600	9,424	9,800	9,697	5,089	5,163	327	336	24,816	24,620
Maine	3,385	3,482	2,527	2,467	4,525	4,375	298	155	10,735	10,479
Massachusetts	14,291	14,115	17,410	17,026	8,685	8,692	965	1,020	41,352	40,854
New Hampshire	3,107	3,083	1,978	1,881	3,091	3,106	102	109	8,278	8,179
Rhode Island	2,203	2,140	2,326	2,270	1,307	1,250	167	171	6,004	5,832
Vermont	1,795	1,734	1,398	1,382	1,262	1,308	41	42	4,496	4,466
Middle Atlantic	94,005	89,754	99,401	96,008	83,375	83,699	12,712	12,581	289,493	282,043
New Jersey	20,235	18,638	26,174	24,919	13,396	13,579	445	440	60,249	57,577
New York	36,455	35,190	43,746	42,439	27,825	28,998	11,081	10,845	119,107	117,473
Pennsylvania	37,315	35,927	29,481	28,650	42,154	41,122	1,187	1,296	110,138	106,993
East North Central	132,469	122,415	110,942	104,386	190,150	187,747	14,285	14,010	447,846	428,559
Illinois	31,981	29,069	32,009	29,028	36,513	38,850	7,476	7,624	107,980	104,571
Indiana	22,519	20,302	15,536	14,554	36,964	34,203	435	569	75,454	69,628
Michigan	24,419	22,979	20,285	19,437	34,784	32,622	1,193	1,137	80,686	76,174
Ohio	37,868	34,892	30,564	29,246	62,266	63,399	4,112	4,089	134,810	131,626
Wisconsin	15,681	15,174	12,549	12,122	19,622	18,673	1,065	591	48,917	46,560
West North Central	67,856	61,523	50,362	47,510	63,732	60,866	5,138	4,559	187,088	174,458
Iowa	10,256	9,260	6,758	6,423	12,449	11,274	1,329	713	30,793	27,670
Kansas	9,540	8,115	9,442	8,637	8,316	7,491	356	333	27,654	24,576
Minnesota	13,885	13,628	7,818	7,727	22,005	21,320	591	773	44,299	43,448
Missouri	22,110	19,246	18,274	16,953	12,945	13,355	865	829	54,195	50,383
Nebraska	6,435	6,086	4,958	4,880	4,640	4,022	1,167	1,133	17,201	16,121
North Dakota	2,850	2,711	1,653	1,538	1,716	1,782	471	440	6,690	6,471
South Dakota	2,778	2,477	1,459	1,354	1,661	1,621	358	337	6,256	5,789
South Atlantic	215,411	198,513	153,773	146,121	145,854	142,616	16,958	16,253	531,996	503,503
Delaware	2,791	2,568	2,402	2,281	3,095	2,964	53	52	8,341	7,865
District of Columbia	1,487	1,352	4,977	4,768	2,760	2,735	314	310	9,538	9,165
Florida	70,803	67,582	50,489	48,048	14,386	14,635	4,349	4,289	140,027	134,554
Georgia	31,376	27,477	23,254	21,894	26,582	24,929	913	802	82,125	75,101
Maryland	19,478	17,717	10,356	9,705	18,469	18,399	749	622	49,053	46,443
North Carolina	34,146	31,492	24,598	23,517	31,096	29,804	1,737	1,661	91,577	86,474
South Carolina	18,800	16,308	12,134	11,233	24,386	24,207	765	759	56,085	52,507
Virginia	28,757	26,602	20,585	19,851	15,639	15,206	7,992	7,663	72,973	69,321
West Virginia	7,773	7,416	4,977	4,824	9,441	9,738	86	96	22,277	22,073
East South Central	79,528	71,773	37,542	34,458	110,593	106,088	4,653	4,483	232,316	216,802
Alabama	20,936	19,025	10,978	10,235	27,577	25,720	592	614	60,084	55,594
Kentucky	17,125	15,438	9,042	8,229	32,945	34,287	2,561	2,391	61,672	60,346
Mississippi	12,477	11,259	6,745	6,023	13,003	12,222	547	548	32,772	30,051
Tennessee	28,990	26,051	10,777	9,970	37,068	33,860	953	929	77,788	70,811
West South Central	127,149	117,599	88,138	85,357	127,439	121,890	15,124	14,609	357,850	339,454
Arkansas	10,894	9,485	6,207	5,828	10,541	10,095	516	584	28,159	25,992
Louisiana	20,874	19,778	13,186	12,834	26,145	25,094	2,301	2,439	62,506	60,144
Oklahoma	14,651	12,718	9,972	9,256	10,765	10,413	1,971	1,883	37,359	34,270
Texas	80,730	75,618	58,773	57,439	79,988	76,288	10,336	9,702	229,827	219,048
Mountain	49,098	46,636	49,875	49,574	52,187	54,292	6,669	5,885	157,829	156,387
Arizona	15,311	14,607	13,685	13,268	10,215	9,337	1,486	1,547	40,638	38,760
Colorado	10,019	9,085	13,510	13,579	6,461	5,728	870	732	30,860	29,125
Idaho	5,473	5,669	4,596	5,255	6,735	10,104	298	389	17,102	21,417
Montana	3,173	2,823	2,730	2,516	5,378	5,936	425	434	11,706	11,709
Nevada	5,705	5,503	3,946	3,853	6,604	6,740	1,286	888	17,541	16,984
New Mexico	3,564	3,391	4,457	4,363	4,333	3,912	1,345	1,126	13,698	12,791
Utah	4,166	3,972	4,647	4,722	5,590	5,596	844	617	15,246	14,907
Wyoming	1,687	1,585	2,305	2,019	6,873	6,939	114	152	10,978	10,694
Pacific Contiguous	103,259	100,731	96,687	98,404	100,519	103,025	11,438	11,858	311,902	314,018
California	61,337	62,184	68,054	71,106	55,891	54,842	7,345	7,475	192,627	195,607
Oregon	14,698	13,274	11,160	10,907	13,342	14,075	548	493	39,748	38,748
Washington	27,224	25,273	17,474	16,392	31,286	34,107	3,544	3,890	79,527	79,663
Pacific Noncontiguous	3,696	3,743	4,049	4,041	3,946	3,880	251	207	11,942	11,871
Alaska	1,439	1,516	1,865	1,883	449	389	200	154	3,953	3,941
Hawaii	2,257	2,227	2,184	2,159	3,498	3,492	51	52	7,990	7,930
U.S. Total	906,851	846,666	726,210	700,582	901,754	887,998	89,128	86,278	2,623,942	2,521,524

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

Notes: •Estimates for 1992 are final and 1993 are preliminary. •Totals may not equal sum of components because of independent rounding. •Estimated sales and associated revenue are based on sales by the utilities in the sample. •See technical notes for an explanation of the modification to the sample design as of January 1993 estimates.

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

Table 55. Revenue From U.S. Electric Utility Sales of Electricity to Ultimate Consumers by Sector, 1983 Through November 1993
(Million Dollars)

Period	Residential		Commercial		Industrial		Other ¹		All Sectors	
	Monthly Series ²	Annual Series	Monthly Series ²	Annual Series	Monthly Series ²	Annual Series	Monthly Series ²	Annual Series	Monthly Series ²	Annual Series
1983	NA	—	NA	—	NA	—	NA	—	NA	—
1984	NA	55,815	NA	41,536	NA	40,466	NA	5,031	NA	142,849
1985	NA	58,710	NA	44,082	NA	41,580	NA	5,312	NA	149,684
1986	NA	60,773	NA	45,386	NA	40,982	NA	5,412	NA	152,553
1987	NA	63,318	NA	46,787	NA	40,949	NA	5,479	NA	156,532
1988	NA	66,790	NA	49,224	NA	42,145	NA	5,551	NA	163,710
1989	NA	69,240	NA	52,228	NA	43,719	NA	5,609	NA	170,797
1990	72,332	72,378	55,080	55,117	44,453	44,857	5,941	5,891	177,806	178,243
1991	77,142	76,828	57,471	57,655	45,803	45,737	6,207	6,138	186,624	186,359
1992 ³										
January	7,044	—	4,543	—	3,589	—	500	—	15,677	—
February	6,392	—	4,404	—	3,590	—	476	—	14,862	—
March	5,908	—	4,412	—	3,694	—	487	—	14,500	—
April	5,499	—	4,298	—	3,636	—	476	—	13,909	—
May	5,436	—	4,588	—	3,812	—	504	—	14,340	—
June	6,112	—	5,124	—	4,092	—	543	—	15,870	—
July	7,587	—	5,649	—	4,334	—	577	—	18,147	—
August	7,586	—	5,605	—	4,304	—	573	—	18,068	—
September	6,847	—	5,443	—	4,254	—	580	—	17,124	—
October	5,912	—	5,030	—	4,051	—	533	—	15,525	—
November	5,707	—	4,518	—	3,764	—	502	—	14,491	—
December	6,879	—	4,659	—	3,650	—	509	—	15,697	—
1992 Total	76,907	—	58,273	—	46,770	—	6,260	—	188,209	—
1993 ³										
January	7,262	—	4,672	—	3,634	—	531	—	16,099	—
February	6,512	—	4,462	—	3,590	—	511	—	15,074	—
March	6,487	—	4,607	—	3,740	—	508	—	15,342	—
April	5,672	—	4,441	—	3,669	—	513	—	14,295	—
May	5,473	—	4,754	—	3,895	—	525	—	14,647	—
June	6,705	—	5,439	—	4,218	—	574	—	16,937	—
July	8,835	—	6,053	—	4,424	—	596	—	19,908	—
August	8,939	—	6,112	—	4,494	—	601	—	20,146	—
September	7,823	—	5,770	—	4,307	—	615	—	18,516	—
October	6,290	—	5,276	—	4,187	—	601	—	16,354	—
November	5,975	—	4,682	—	3,837	—	542	—	15,036	—
Year to Date										
1993 ³	75,973	—	56,268	—	43,995	—	6,118	—	182,355	—
1992 ³	70,028	—	53,614	—	43,120	—	5,751	—	172,513	—

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

² See technical notes for an explanation of the modification to the sample design as of January 1993 estimates.

³ Estimates for 1992 and prior years are final, and 1993 estimates are preliminary. For further information, see the technical notes.

NA=Data not available.

Notes: •Totals may not equal sum of components because of independent rounding. •Monetary values are expressed in nominal terms. Revenue does not include sales and excise taxes. •Estimated sales and associated revenue are based on sales by the utilities in the sample.

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

Table 56. Electric Utility Revenue from Sales of Electricity to Ultimate Consumers by Sector, Census Division and State, November 1992 and 1993
(Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992
New England	335	339	288	284	168	174	21	20	812	817
Connecticut	92	97	83	84	36	37	4	4	216	223
Maine	35	36	20	18	26	26	3	2	84	81
Massachusetts	137	137	136	134	63	69	10	10	346	349
New Hampshire	34	31	19	17	23	23	1	1	77	73
Rhode Island	20	21	18	18	9	9	2	2	50	50
Vermont	17	17	12	13	10	10		1	40	41
Middle Atlantic	850	835	817	783	439	459	111	105	2,217	2,181
New Jersey	174	165	210	194	94	90	7	7	485	456
New York	382	372	401	387	133	148	92	85	1,008	991
Pennsylvania	294	297	206	202	212	221	12	13	724	734
East North Central	915	898	687	660	780	780	81	85	2,484	2,422
Illinois	246	250	204	192	162	175	43	45	655	662
Indiana	133	123	79	76	127	120	4	4	343	322
Michigan	167	166	143	140	180	177	10	9	499	492
Ohio	270	259	195	189	241	240	21	22	726	711
Wisconsin	100	99	66	63	71	68	4	4	240	234
West North Central	385	394	260	253	249	234	27	24	921	906
Iowa	67	77	37	36	44	40	6	4	155	157
Kansas	52	49	53	49	40	32	3	3	148	133
Minnesota	86	85	42	39	84	81	4	4	217	210
Missouri	114	113	87	87	49	52	5	5	254	258
Nebraska	31	34	23	25	17	15	5	5	76	78
North Dakota	18	17	10	9	8	8	2	2	37	36
South Dakota	17	18	8	8	7	7	2	1	34	34
South Atlantic	1,306	1,198	848	820	571	569	96	92	2,821	2,679
Delaware	18	18	13	13	13	12	1	1	45	43
District of Columbia	7	6	24	23	10	10	2	2	42	41
Florida	478	419	301	290	64	65	27	26	870	800
Georgia	151	148	139	134	103	101	7	6	401	389
Maryland	116	106	54	48	76	78	6	5	252	237
North Carolina	207	198	129	125	125	122	11	10	472	455
South Carolina	98	92	59	55	83	85	4	4	244	235
Virginia	186	169	104	108	62	61	39	39	392	376
West Virginia	44	42	25	25	34	35	1	1	104	102
East South Central	380	335	203	177	423	399	24	23	1,030	934
Alabama	103	91	66	57	113	103	3	4	285	255
Kentucky	78	69	38	34	104	102	10	9	230	215
Mississippi	66	56	44	37	64	54	4	4	178	151
Tennessee	134	118	55	49	142	141	6	6	337	314
West South Central	686	639	531	497	522	485	91	74	1,840	1,696
Arkansas	62	58	34	34	48	49	3	3	147	144
Louisiana	117	108	90	83	117	105	16	14	340	310
Oklahoma	70	63	43	42	40	33	9	8	162	146
Texas	447	411	363	338	317	298	63	49	1,191	1,096
Mountain	299	286	273	272	194	200	35	27	802	784
Arizona	95	93	94	90	47	49	8	8	243	241
Colorado	62	58	65	69	25	24	6	5	158	156
Idaho	29	32	14	17	16	25	1		60	74
Montana	20	17	16	12	19	17	2	2	57	49
Nevada	29	24	21	21	26	25	3	4	78	74
New Mexico	28	26	30	29	20	17	11	5	89	77
Utah	27	26	22	24	19	19	3	2	71	71
Wyoming	10	9	11	10	24	24	1	1	46	43
Pacific Contiguous	768	743	734	733	461	433	54	49	2,017	1,959
California	569	570	605	613	344	320	38	36	1,555	1,539
Oregon	78	66	53	49	45	43	3	2	179	160
Washington	121	108	76	71	73	71	12	11	282	260
Pacific Noncontiguous	41	41	39	40	29	30	2	3	112	113
Alaska	16	16	17	17	3	3	2	2	38	38
Hawaii	25	24	22	22	26	27			74	74
U.S. Total	5,975	5,707	4,682	4,518	3,837	3,764	542	502	15,036	14,491

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

* Less than 0.5.

Notes: *Estimates for 1992 are final; 1993 estimates are preliminary. *Totals may not equal sum of components because of independent rounding. *Monetary values are expressed in nominal terms. Revenue does not include sales and excise taxes. *Estimated sales and associated revenue are based on sales by the utilities in the sample. *See technical notes for an explanation of the modification of the sample design as of January 1993 estimates.

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

Table 57. Estimated Coefficients of Variation of Revenue from Electric Utility Sales of Electricity by Census Division and State, November 1993
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.4	0.4	0.6	3.5	0.4
Connecticut	.1	.6	.3	.9	.3
Maine	.3	1.3	1.0	8.4	1.2
Massachusetts	.9	.4	1.4	6.7	.6
New Hampshire	1.0	1.5	1.2	1.6	.7
Rhode Island	.6	.3	.8	.2	.4
Vermont	3.3	4.9	1.3	1.1	3.6
Middle Atlantic	1.3	1.7	4.4	3.2	1.8
New Jersey	.2	.6	.4	.3	.3
New York	2.2	3.3	11.3	3.7	3.1
Pennsylvania	2.4	1.3	5.7	7.3	3.1
East North Central	1.3	.7	1.0	1.5	.9
Illinois	2.2	.9	2.5	.5	1.4
Indiana	2.7	1.5	.7	8.1	1.3
Michigan	2.4	.9	2.3	.7	1.8
Ohio	3.4	1.9	2.1	5.6	2.2
Wisconsin	1.1	.3	2.5	3.8	.6
West North Central	1.2	1.4	1.6	5.1	1.3
Iowa	2.6	2.6	5.3	12.3	3.1
Kansas	3.8	3.8	4.4	9.1	3.6
Minnesota	1.5	1.2	1.9	1.3	1.0
Missouri	3.0	3.3	4.3	2.1	3.6
Nebraska	2.3	1.1	1.7	20.5	.8
North Dakota	2.6	1.9	1.5	1.6	1.2
South Dakota	1.9	.6	1.3	13.6	1.3
South Atlantic	.5	.4	.7	1.1	.4
Delaware	1.4	1.8	1.9	.4	1.3
District of Columbia	.0	.0	.0	.0	.0
Florida	.7	.8	4.8	3.4	.8
Georgia	1.7	.3	2.1	1.1	.3
Maryland	.9	1.6	1.6	5.7	1.2
North Carolina	.4	.5	.7	2.1	.2
South Carolina	.8	.9	1.0	.8	.7
Virginia	2.7	1.1	.6	.6	1.6
West Virginia	1.7	.1	.5	.7	.6
East South Central	1.2	2.0	1.7	2.0	1.0
Alabama	.3	4.5	.6	4.4	1.1
Kentucky	4.0	1.3	4.3	.7	3.7
Mississippi	2.0	1.2	8.3	10.0	1.5
Tennessee	2.4	5.0	1.5	1.3	1.5
West South Central	.9	1.1	.8	2.1	.6
Arkansas	2.1	.3	.8	4.4	1.0
Louisiana	1.5	.8	1.4	1.6	1.1
Oklahoma	2.3	4.8	5.7	1.7	1.8
Texas	1.3	1.5	.9	3.0	.8
Mountain	1.9	1.8	1.2	10.5	1.6
Arizona	1.1	1.1	.3	4.7	1.1
Colorado	8.8	6.9	6.7	6.9	7.2
Idaho	.2	6.9	3.8	4.4	2.9
Montana	1.6	3.0	5.3	11.0	4.6
Nevada	2.1	1.1	3.9	1.7	2.4
New Mexico	1.1	2.0	.8	26.7	.4
Utah	1.5	4.4	4.2	69.8	3.9
Wyoming	4.2	4.1	1.0	12.5	1.3
Pacific Contiguous	1.3	1.4	7.1	4.1	1.6
California	1.2	1.7	9.7	5.6	2.0
Oregon	3.0	1.6	7.7	13.7	3.2
Washington	5.5	1.8	10.2	3.3	3.8
Pacific Noncontiguous	.8	1.7	.9	7.2	.9
Alaska	1.8	4.0	7.9	8.7	2.8
Hawaii	.6	.4	.4	2.9	.1
U.S. Total	.4	.4	1.1	1.2	.4

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.
Notes: •Estimates for 1993 are preliminary. •For an explanation of coefficient of variation, see the technical notes.
Source: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

Table 58. Electric Utility Revenue from Sales to Ultimate Consumers by Sector, Census Division, and State, January Through November 1992 and 1993
(Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992
New England	3,885	3,704	3,500	3,315	1,974	1,949	235	208	9,594	9,176
Connecticut	1,103	1,048	992	963	428	421	47	47	2,570	2,479
Maine	393	397	239	227	312	296	32	21	976	941
Massachusetts	1,583	1,499	1,688	1,573	757	770	117	103	4,145	3,945
New Hampshire	386	355	220	198	267	250	15	14	888	817
Rhode Island	249	238	235	228	117	115	19	18	620	599
Vermont	171	168	126	126	93	96	5	6	395	396
Middle Atlantic	10,717	9,814	10,137	9,448	5,454	5,491	1,258	1,185	27,567	25,939
New Jersey	2,308	2,033	2,556	2,334	1,078	1,050	78	75	6,020	5,492
New York	4,841	4,384	5,134	4,772	1,872	1,884	1,041	964	12,888	12,004
Pennsylvania	3,569	3,397	2,447	2,342	2,504	2,557	139	146	8,659	8,443
East North Central	11,087	10,262	8,215	7,797	8,837	8,827	988	979	29,127	27,864
Illinois	3,327	3,011	2,569	2,366	2,011	2,130	525	525	8,432	8,033
Indiana	1,494	1,402	898	874	1,420	1,337	42	47	3,854	3,660
Michigan	1,986	1,871	1,680	1,614	1,976	1,960	111	109	5,753	5,553
Ohio	3,171	2,923	2,318	2,223	2,641	2,650	254	255	8,384	8,051
Wisconsin	1,109	1,056	749	719	788	750	57	43	2,703	2,568
West North Central	4,988	4,518	3,198	3,025	2,838	2,876	318	284	11,342	10,504
Iowa	831	763	433	404	485	448	76	44	1,825	1,658
Kansas	749	646	636	582	411	368	33	29	1,829	1,625
Minnesota	995	913	482	455	969	909	44	52	2,490	2,329
Missouri	1,620	1,459	1,155	1,117	621	635	60	58	3,457	3,269
Nebraska	413	389	286	273	190	159	71	69	960	890
North Dakota	183	171	109	100	85	83	18	19	395	373
South Dakota	196	178	97	94	78	75	15	13	386	359
South Atlantic	17,076	15,392	10,291	9,897	6,862	6,746	1,075	1,036	35,304	32,872
Delaware	251	224	174	162	150	138	6	6	581	530
District of Columbia	108	90	362	335	166	159	20	19	657	604
Florida	5,666	5,195	3,366	3,149	752	728	290	285	10,073	9,357
Georgia	2,465	2,137	1,727	1,620	1,255	1,196	80	70	5,527	5,024
Maryland	1,608	1,431	749	698	1,014	1,039	62	56	3,432	3,224
North Carolina	2,777	2,568	1,616	1,549	1,505	1,467	122	119	6,020	5,704
South Carolina	1,371	1,237	752	670	993	991	44	43	3,159	2,941
Virginia	2,337	2,050	1,257	1,240	651	654	443	430	4,687	4,373
West Virginia	492	459	289	274	378	374	8	8	1,167	1,114
East South Central	4,995	4,445	2,393	2,175	4,499	4,289	270	265	12,158	11,175
Alabama	1,432	1,279	755	702	1,194	1,125	35	40	3,416	3,146
Kentucky	975	879	481	437	1,097	1,119	119	111	2,672	2,547
Mississippi	898	792	498	430	603	539	48	46	2,047	1,807
Tennessee	1,690	1,495	659	606	1,606	1,505	68	68	4,023	3,674
West South Central	10,118	9,210	6,111	5,766	5,632	5,229	1,013	891	22,874	21,096
Arkansas	905	810	438	418	537	533	36	42	1,916	1,803
Louisiana	1,639	1,501	982	931	1,166	1,046	174	158	3,961	3,636
Oklahoma	1,060	923	632	570	454	404	116	103	2,262	2,000
Texas	6,514	5,976	4,059	3,847	3,475	3,246	687	588	14,736	13,657
Mountain	3,765	3,533	3,344	3,268	2,239	2,246	392	339	9,741	9,385
Arizona	1,496	1,419	1,201	1,150	592	569	98	102	3,386	3,241
Colorado	732	650	787	776	292	265	66	60	1,877	1,750
Idaho	273	285	202	238	191	290	14	14	680	827
Montana	178	161	137	127	165	168	18	19	498	474
Nevada	371	339	256	241	336	312	61	44	1,023	936
New Mexico	330	308	373	365	215	188	92	63	1,009	924
Utah	286	274	274	267	209	209	36	27	806	778
Wyoming	100	96	114	103	241	246	7	10	463	455
Pacific Contiguous	8,904	8,746	8,649	8,714	5,306	5,367	540	535	23,398	23,361
California	6,945	7,002	7,322	7,475	4,115	4,177	382	385	18,764	19,039
Oregon	730	652	545	521	443	429	35	29	1,755	1,631
Washington	1,229	1,091	781	718	747	761	123	120	2,880	2,691
Pacific Noncontiguous	439	403	431	410	354	300	27	28	1,251	1,140
Alaska	160	163	174	185	39	29	22	23	395	400
Hawaii	278	240	257	225	315	270	6	5	856	740
U.S. Total	75,973	70,028	56,268	53,614	43,995	43,120	6,118	5,751	182,355	172,513

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

Notes: *Estimates for 1992 are final and 1993 are preliminary. *Totals may not equal sum of components because of independent rounding.

*Monetary values are expressed in nominal terms. Revenue does not include sales and excise taxes. *Estimated sales and associated revenue are based on sales by the utilities in the sample. *See technical notes for an explanation of the modification to the sample design as of January 1993 estimates.

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

Table 59. U.S. Electric Utility Average Revenue per Kilowatthour by Sector, 1983 Through November 1993
(Cents)

Period	Residential		Commercial		Industrial		Other ¹		All Sectors	
	Monthly Series ²	Annual Series	Monthly Series ²	Annual Series	Monthly Series ²	Annual Series	Monthly Series ²	Annual Series	Monthly Series ²	Annual Series
1983	7.2	--	7.0	--	5.0	--	6.4	--	6.3	--
1984	7.5	7.2	7.3	7.1	5.0	4.8	6.8	5.9	6.5	6.3
1985	7.8	7.4	7.5	7.3	5.2	5.0	7.0	6.1	6.7	6.4
1986	7.4	7.4	7.1	7.2	4.9	4.9	6.6	6.1	6.4	6.4
1987	7.4	7.4	7.0	7.1	4.7	4.8	6.6	6.2	6.3	6.4
1988	7.5	7.5	7.1	7.0	4.6	4.7	6.0	6.2	6.3	6.4
1989	7.6	7.6	7.2	7.2	4.7	4.7	6.2	6.2	6.4	6.5
1990	7.8	7.8	7.3	7.3	4.7	4.7	6.2	6.4	6.6	6.6
1991	8.1	8.0	7.5	7.5	4.8	4.8	6.4	6.5	6.8	6.7
1992 ³										
January	7.7	--	7.3	--	4.7	--	6.5	--	6.6	--
February	7.8	--	7.4	--	4.7	--	6.3	--	6.6	--
March	8.0	--	7.4	--	4.7	--	6.5	--	6.6	--
April	8.0	--	7.4	--	4.7	--	6.4	--	6.6	--
May	8.4	--	7.6	--	4.8	--	6.5	--	6.7	--
June	8.6	--	7.9	--	4.9	--	6.9	--	7.0	--
July	8.6	--	7.9	--	5.1	--	6.9	--	7.2	--
August	8.6	--	7.9	--	5.1	--	6.9	--	7.2	--
September	8.6	--	8.0	--	5.1	--	6.9	--	7.2	--
October	8.5	--	7.9	--	4.9	--	6.9	--	6.9	--
November	8.2	--	7.5	--	4.7	--	6.7	--	6.6	--
December	7.9	--	7.4	--	4.7	--	6.6	--	6.7	--
1992 Total	8.2	--	7.6	--	4.8	--	6.7	--	6.8	--
1993 ³										
January	7.7	--	7.3	--	4.7	--	6.5	--	6.6	--
February	7.8	--	7.4	--	4.7	--	6.4	--	6.6	--
March	7.8	--	7.4	--	4.7	--	6.4	--	6.6	--
April	8.1	--	7.5	--	4.6	--	6.8	--	6.6	--
May	8.6	--	7.7	--	4.7	--	6.9	--	6.8	--
June	8.8	--	8.0	--	5.0	--	7.1	--	7.1	--
July	8.7	--	8.0	--	5.2	--	7.0	--	7.4	--
August	8.7	--	8.0	--	5.2	--	7.0	--	7.3	--
September	8.8	--	8.0	--	5.1	--	7.1	--	7.3	--
October	8.8	--	8.1	--	5.0	--	7.3	--	7.2	--
November	8.2	--	7.6	--	4.7	--	7.0	--	6.7	--
Year-to-Date Average										
1993 Average ³	8.4	--	7.7	--	4.9	--	6.9	--	6.9	--
1992 Average ³	8.3	--	7.7	--	4.9	--	6.7	--	6.8	--

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

² See the technical notes for an explanation of the modification to the sample design as of January 1993 estimates.

³ Estimates for 1992 and prior years are final, and 1993 are preliminary.

Notes: •Monetary values are expressed in nominal terms. Revenue and average revenue per kilowatthour do not include sales and excise taxes.

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

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

Table 60. Electric Utility Average Revenue per Kilowatthour by Sector, Census Division, and State, November 1992 and 1993
(Cents)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1993	1992	1993	1992	1993	1992	1993	1992	1993	1992
New England	11.3	11.1	9.5	9.3	7.9	7.9	12.5	11.2	9.8	9.6
Connecticut	11.4	11.2	9.8	9.9	8.0	7.9	13.8	13.8	10.1	10.1
Maine	11.9	11.6	9.0	8.7	6.4	6.3	10.8	13.5	8.8	8.7
Massachusetts	11.1	10.9	9.2	8.9	8.1	8.6	12.8	10.0	9.7	9.6
New Hampshire	12.7	11.6	11.3	10.7	8.8	7.9	14.7	13.6	10.9	10.0
Rhode Island	10.8	10.9	9.2	9.0	7.8	7.9	10.5	9.9	9.5	9.5
Vermont	10.0	10.8	10.1	9.9	8.4	8.4	12.8	14.5	9.6	9.9
Middle Atlantic	11.3	10.8	9.8	9.5	6.1	6.2	10.0	9.2	9.2	8.9
New Jersey	11.1	10.6	9.7	9.1	8.0	7.6	15.3	15.1	9.8	9.3
New York	13.4	12.7	11.0	10.8	5.6	5.8	9.6	8.7	10.3	9.9
Pennsylvania	9.4	9.2	8.2	8.0	5.8	6.0	11.3	11.0	7.7	7.7
East North Central	8.1	8.2	7.3	7.3	4.5	4.6	6.9	6.6	6.3	6.3
Illinois	9.8	9.9	7.4	7.6	5.0	4.9	6.6	6.4	7.1	7.1
Indiana	6.7	7.0	5.7	6.0	3.8	3.9	8.5	8.3	5.1	5.2
Michigan	7.9	8.1	8.4	8.3	5.5	6.0	8.7	8.8	7.0	7.2
Ohio	8.2	8.2	7.8	7.7	4.2	4.2	6.4	6.2	6.1	6.1
Wisconsin	7.2	7.0	6.0	5.9	4.0	4.0	7.1	6.8	5.6	5.5
West North Central	6.9	7.0	6.0	6.0	4.2	4.2	5.9	6.1	5.7	5.7
Iowa	7.8	7.9	6.1	6.0	3.7	3.7	5.7	6.2	5.6	5.8
Kansas	7.7	7.6	6.8	6.5	5.2	4.8	8.5	9.3	6.5	6.3
Minnesota	7.0	6.6	5.9	5.8	4.3	4.3	6.7	6.8	5.4	5.3
Missouri	6.5	7.1	5.6	5.9	4.1	4.2	6.5	6.8	5.6	5.9
Nebraska	5.8	6.0	5.4	5.3	3.9	3.9	5.7	5.8	5.1	5.2
North Dakota	6.1	6.0	6.5	6.3	4.8	4.6	3.7	4.2	5.7	5.6
South Dakota	7.0	6.8	6.7	6.8	4.4	4.5	5.2	3.9	6.1	6.0
South Atlantic	7.7	7.6	6.6	6.6	4.4	4.5	6.5	6.4	6.4	6.3
Delaware	8.8	8.7	6.6	6.9	4.6	4.5	12.2	12.0	6.5	6.5
District of Columbia	6.0	5.6	6.0	5.9	4.9	4.6	6.5	6.2	5.7	5.5
Florida	8.0	7.9	6.6	6.6	5.2	5.1	6.7	6.6	7.1	7.0
Georgia	6.9	7.3	7.5	7.6	4.5	4.6	8.6	8.8	6.2	6.4
Maryland	7.6	7.3	6.3	6.1	4.8	4.8	8.3	8.3	6.3	6.1
North Carolina	8.0	8.0	6.5	6.5	4.5	4.6	7.3	7.5	6.3	6.3
South Carolina	7.4	7.7	6.2	5.9	3.7	3.9	6.0	5.8	5.3	5.4
Virginia	7.6	7.6	6.4	6.4	4.2	4.3	5.8	5.7	6.3	6.2
West Virginia	6.4	6.3	6.0	5.9	4.0	3.9	8.7	7.9	5.3	5.1
East South Central	6.3	6.2	6.6	6.3	4.2	4.0	5.9	5.8	5.3	5.0
Alabama	7.0	6.8	7.2	6.7	4.4	4.3	6.0	6.2	5.7	5.5
Kentucky	5.6	5.6	5.3	5.2	3.4	3.3	4.6	4.5	4.3	4.1
Mississippi	7.5	7.3	7.8	7.3	5.1	4.6	9.1	8.6	6.5	6.0
Tennessee	5.9	5.8	6.2	6.3	4.4	4.3	7.2	7.1	5.2	5.1
West South Central	7.8	7.6	7.3	6.8	4.5	4.3	6.9	6.1	6.3	6.0
Arkansas	8.2	8.4	7.1	7.0	4.9	4.9	7.1	7.0	6.5	6.5
Louisiana	8.1	7.8	8.0	7.7	4.7	4.4	7.1	8.3	6.5	6.2
Oklahoma	6.7	6.7	5.5	5.4	4.3	3.5	5.4	4.9	5.5	5.2
Texas	7.9	7.6	7.4	6.8	4.5	4.3	7.1	5.9	6.4	6.0
Mountain	7.3	7.3	6.6	6.6	4.1	4.1	6.0	5.9	5.9	5.9
Arizona	9.2	9.5	8.1	8.2	5.3	5.9	6.3	6.5	7.6	7.9
Colorado	7.3	7.2	5.9	5.8	4.4	4.7	8.0	8.0	6.1	6.0
Idaho	5.0	5.0	4.7	5.0	2.7	2.9	6.1	7.6	4.1	4.0
Montana	5.8	5.4	5.4	5.2	3.6	3.4	4.4	4.2	4.7	4.4
Nevada	7.3	6.5	6.7	6.5	4.3	4.0	4.2	4.7	5.7	5.3
New Mexico	9.1	9.0	8.2	8.4	4.9	4.7	6.7	5.9	7.2	7.1
Utah	6.9	6.9	5.9	5.9	3.8	3.8	4.2	4.5	5.3	5.3
Wyoming	5.9	6.1	5.2	5.3	3.6	3.6	6.6	6.9	4.3	4.3
Pacific Contiguous	8.6	8.4	8.8	8.6	5.1	4.8	5.0	5.2	7.4	7.2
California	11.2	11.0	10.5	10.2	6.6	6.6	5.5	6.1	9.3	9.3
Oregon	5.4	4.9	5.1	5.0	3.7	3.3	6.4	7.2	4.8	4.4
Washington	5.0	4.6	5.0	4.6	2.7	2.4	3.8	3.4	4.1	3.7
Pacific Noncontiguous	11.7	11.5	10.5	10.7	8.5	8.7	11.7	13.9	10.3	10.4
Alaska	11.3	10.8	9.5	9.8	7.8	7.5	11.5	14.9	10.1	10.2
Hawaii	12.0	12.1	11.4	11.5	8.6	8.9	12.4	10.5	10.4	10.5
U.S. Average	8.2	8.2	7.6	7.5	4.7	4.7	7.0	6.7	6.7	6.6

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

Notes: *Estimates for 1992 are final, and 1993 are preliminary. *Monetary values are expressed in nominal terms. Revenue and average revenue per kilowatthour do not include sales and excise taxes. *These estimates are calculated by dividing revenue by sales. Revenue may not correspond to sales for a particular month because of utility billing and accounting procedures. This could result in uncharacteristic increases or decreases in the monthly average revenue per kilowatthour. *See technical notes for an explanation of the modification to the sample design as of January 1993 estimates.

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

Table 61. Estimated Coefficients of Variation for Electric Utility Average Revenue per Kilowatthour by Sector, Census Division, and State, November 1993
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.6	0.9	0.8	3.9	0.8
Connecticut	.2	.6	.4	.8	.4
Maine	.4	.8	.5	1.3	.2
Massachusetts	1.3	1.6	2.2	8.1	1.7
New Hampshire	1.5	2.3	1.8	3.1	1.0
Rhode Island	.6	.5	.9	.5	.6
Vermont	3.9	4.9	.8	17.2	3.5
Middle Atlantic	1.0	1.3	2.9	3.3	1.1
New Jersey	.1	.5	.7	.8	.4
New York	1.1	2.4	9.5	4.0	2.1
Pennsylvania	2.4	1.5	1.8	5.1	1.7
East North Central	.8	1.0	1.0	1.4	.9
Illinois	1.5	2.6	2.4	.4	1.9
Indiana	1.8	1.5	1.8	8.3	1.6
Michigan	.7	1.1	1.2	.9	1.1
Ohio	2.0	2.2	2.2	4.5	2.2
Wisconsin	1.1	.3	.8	2.8	.9
West North Central	1.2	1.1	1.2	2.0	1.1
Iowa	1.2	.7	1.6	4.9	1.4
Kansas	1.0	.7	3.1	3.0	.9
Minnesota	.3	.8	.3	1.8	.2
Missouri	3.9	3.1	5.3	.8	3.9
Nebraska	1.3	.9	1.8	6.2	1.6
North Dakota	1.2	.9	1.0	1.3	1.0
South Dakota	1.1	.6	1.6	12.4	1.4
South Atlantic	1.0	.7	.6	.8	.7
Delaware	.8	1.6	2.3	.6	1.6
District of Columbia	.0	.0	.0	.0	.0
Florida	2.6	1.8	3.1	1.7	2.2
Georgia	2.8	.2	.8	.8	.8
Maryland	.9	1.5	1.4	9.4	1.1
North Carolina	2.4	.3	1.5	.6	1.4
South Carolina	.5	.5	.7	.4	.5
Virginia	.4	.1	.5	.4	.3
West Virginia	.4	.2	1.2	4.2	.5
East South Central	.5	.5	.7	.8	.4
Alabama	.7	.3	.3	1.0	.3
Kentucky	1.7	1.2	1.8	1.1	1.3
Mississippi	1.8	1.7	2.5	5.1	.9
Tennessee	.4	.4	.9	2.1	.8
West South Central	1.4	1.3	.9	1.9	1.1
Arkansas	1.4	.6	1.2	1.2	.3
Louisiana	.8	.9	.9	2.6	.6
Oklahoma	1.6	4.9	7.9	.5	3.6
Texas	2.1	1.8	.9	2.6	1.6
Mountain	.5	.7	.6	5.1	.5
Arizona	.7	1.8	1.9	3.0	1.4
Colorado	1.0	.9	1.5	4.0	.9
Idaho	.6	.4	.9	21.1	.4
Montana	1.7	.9	2.6	5.9	.8
Nevada	2.5	.3	2.9	2.4	.1
New Mexico	.9	1.5	.6	5.8	.8
Utah	2.4	2.1	.8	20.8	.6
Wyoming	1.2	2.8	.8	5.4	1.5
Pacific Contiguous	1.0	1.6	5.2	3.9	1.9
California	.5	2.2	6.2	6.3	2.3
Oregon	.4	.2	3.4	12.8	2.3
Washington	4.5	1.6	3.5	2.5	2.2
Pacific Noncontiguous	1.0	1.3	.3	6.6	.9
Alaska	1.9	3.1	1.7	7.9	2.4
Hawaii	.9	.6	.4	1.2	.6
U.S. Total	.4	.4	.8	1.1	.4

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

Notes: *Estimates for 1993 are preliminary. *For an explanation of coefficient of variation, see the technical notes.

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

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

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Abbeville Water & Elec Plant	--	2	--	365	--	--	--	*	--	--	*
Abbeville (SC)	--	2	--	365	--	--	--	--	--	--	--
Accomack-Northampton Electric Coop	--	-56	--	--	--	--	--	*	--	--	*
Smith (VA)	--	-56	--	--	--	--	--	*	--	--	*
Tangier (VA)	--	--	--	--	--	--	--	--	--	--	--
Adrian Lt & Water Comm	--	--	--	--	--	--	--	--	--	--	--
Adrian (MN)	--	--	--	--	--	--	--	--	--	--	--
Aitkin Public Utilities Comm	--	-9	--	--	--	--	--	--	--	--	*
Aitkin (MN)	--	-9	--	--	--	--	--	--	--	--	*
Alabama Elec Coop, Inc	185,764	-215	157	497	--	--	80	*	5	389	3
Gantt (AL)	--	--	--	123	--	--	--	--	--	--	--
Lowman (AL)	185,644	--	--	--	--	--	80	--	--	385	--
McIntosh-CAES (AL)	--	-209	--	--	--	--	--	--	--	--	3
McWilliams (AL)	120	--	157	--	--	--	*	--	5	3	--
Point "A" (AL)	--	--	--	374	--	--	--	--	--	--	--
Portland (FL)	--	-6	--	--	--	--	--	*	--	--	1
Alabama Power Co (SC)	4,085,778	3,043	21,420	97,233	603,596	--	1,610	5	221	2,051	53
Bankhead Dam (AL)	--	--	--	675	--	--	--	--	--	--	--
Barry (AL)	1,092,976	--	2,289	--	--	--	438	--	42	432	16
Chickasaw (AL)	--	--	-52	--	--	--	--	--	--	--	3
Farley (AL)	--	--	--	--	603,596	--	--	--	--	--	--
Gadsden New (AL)	396	--	27	--	--	--	*	*	1	47	1
Gaston, E C (AL)	635,859	927	--	--	--	--	252	2	--	538	16
Gorgas (AL)	699,181	1,289	--	--	--	--	286	2	--	440	10
Greene County (AL)	365,041	193	--	--	--	--	144	*	--	112	2
H Neely Henry Dam (AL)	--	--	--	4,458	--	--	--	--	--	--	--
Harris (AL)	--	--	--	1,184	--	--	--	--	--	--	--
Holt Dam (AL)	--	--	--	1,299	--	--	--	--	--	--	--
Jordan (AL)	--	--	--	9,352	--	--	--	--	--	--	--
Lay Dam (AL)	--	--	--	12,059	--	--	--	--	--	--	--
Lewis Smith Dam (AL)	--	--	--	7,101	--	--	--	--	--	--	--
Logan Martin Dam (AL)	--	--	--	5,034	--	--	--	--	--	--	--
Martin Dam (AL)	--	--	--	17,512	--	--	--	--	--	--	--
Miller (AL)	1,292,325	634	19,156	--	--	--	489	1	179	482	6
Mitchell Dam (AL)	--	--	--	9,437	--	--	--	--	--	--	--
Thurlow Dam (AL)	--	--	--	12,804	--	--	--	--	--	--	--
Walter Bouldin Dam (AL)	--	--	--	3,164	--	--	--	--	--	--	--
Weiss Dam (AL)	--	--	--	5,649	--	--	--	--	--	--	--
Yates Dam (AL)	--	--	--	7,505	--	--	--	--	--	--	--
Alaska Electric Lt & Pwr Co	--	414	--	5,155	--	--	--	1	--	--	5
Annex Creek (AK)	--	--	--	2,556	--	--	--	--	--	--	--
Gold Creek (AK)	--	2	--	439	--	--	--	*	--	--	--
Lemon Creek (AK)	--	412	--	--	--	--	--	1	--	--	5
Salmon Creek (AK)	--	--	--	2,180	--	--	--	--	--	--	--
Salmon Creek 2 (AK)	--	--	--	--	--	--	--	--	--	--	--
Alaska Power Administration	--	--	--	36,155	--	--	--	--	--	--	--
Eklutna (AK)	--	--	--	17,420	--	--	--	--	--	--	--
Sneltisham (AK)	--	--	--	18,735	--	--	--	--	--	--	--
Alaska Power And Telephone Company	--	2,235	--	275	--	--	--	4	--	--	2
Chistochina (AK)	--	19	--	--	--	--	--	*	--	--	*
Coffman Cove (AK)	--	48	--	--	--	--	--	*	--	--	*
Craig (AK)	--	933	--	--	--	--	--	2	--	--	*
Dot Lake (AK)	--	--	--	--	--	--	--	--	--	--	*
Eagle (AK)	--	52	--	--	--	--	--	*	--	--	1
Hollis (AK)	--	23	--	--	--	--	--	*	--	--	*
Hydaburg (AK)	--	131	--	--	--	--	--	*	--	--	*
Mentasta (AK)	--	18	--	--	--	--	--	*	--	--	*
Skagway (AK)	--	237	--	275	--	--	--	*	--	--	*

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Alaska Power And Telephone Company											
Tetlin (AK)	--	24	--	--	--	--	--	.	--	--	.
Tok (AK)	--	750	--	--	--	--	--	1	--	--	.
Alaska Village Electric Coop, Inc	--	3,519	--	--	--	--	--	7	--	--	83
Alakanuk (AK)	--	79	--	--	--	--	--	.	--	--	3
Ambler (AK)	--	73	--	--	--	--	--	.	--	--	2
Anvik (AK)	--	28	--	--	--	--	--	.	--	--	1
Brevig Mission (AK)	--	34	--	--	--	--	--	.	--	--	1
Chevak (AK)	--	103	--	--	--	--	--	.	--	--	2
Eek (AK)	--	38	--	--	--	--	--	.	--	--	1
Elim (AK)	--	52	--	--	--	--	--	.	--	--	1
Emmonak (AK)	--	167	--	--	--	--	--	.	--	--	3
Gambell (AK)	--	100	--	--	--	--	--	.	--	--	2
Goodnews Bay (AK)	--	41	--	--	--	--	--	.	--	--	1
Grayling (AK)	--	39	--	--	--	--	--	.	--	--	1
Holy Cross (AK)	--	52	--	--	--	--	--	.	--	--	1
Hooper Bay (AK)	--	137	--	--	--	--	--	.	--	--	3
Huslia (AK)	--	42	--	--	--	--	--	.	--	--	1
Kaktag (AK)	--	46	--	--	--	--	--	.	--	--	1
Kiana (AK)	--	95	--	--	--	--	--	.	--	--	2
Kivalina (AK)	--	83	--	--	--	--	--	.	--	--	2
Koyuk (AK)	--	58	--	--	--	--	--	.	--	--	1
Lower Kalskag (AK)	--	64	--	--	--	--	--	.	--	--	2
Marshall (AK)	--	61	--	--	--	--	--	.	--	--	2
Mekoryuk (AK)	--	59	--	--	--	--	--	.	--	--	1
Minto (AK)	--	44	--	--	--	--	--	.	--	--	1
Mountain Village (AK)	--	154	--	--	--	--	--	.	--	--	3
New Stuyahok (AK)	--	63	--	--	--	--	--	.	--	--	1
Noatak (AK)	--	82	--	--	--	--	--	.	--	--	2
Noorvik (AK)	--	111	--	--	--	--	--	.	--	--	3
Nulato (AK)	--	68	--	--	--	--	--	.	--	--	2
Nunapitchuk (AK)	--	139	--	--	--	--	--	.	--	--	3
Old Harbor (AK)	--	56	--	--	--	--	--	.	--	--	1
Pilot Station (AK)	--	77	--	--	--	--	--	.	--	--	2
Quinhagak (AK)	--	80	--	--	--	--	--	.	--	--	2
Russion Mission (AK)	--	42	--	--	--	--	--	.	--	--	1
Savoonga (AK)	--	99	--	--	--	--	--	.	--	--	3
Scammon Bay (AK)	--	67	--	--	--	--	--	.	--	--	1
Selawik (AK)	--	105	--	--	--	--	--	.	--	--	3
Shageluk (AK)	--	24	--	--	--	--	--	.	--	--	1
Shaktolik (AK)	--	45	--	--	--	--	--	.	--	--	1
Shishmaref (AK)	--	103	--	--	--	--	--	.	--	--	2
Shungnak (AK)	--	84	--	--	--	--	--	.	--	--	2
St Marys (AK)	--	188	--	--	--	--	--	.	--	--	5
St Michael (AK)	--	58	--	--	--	--	--	.	--	--	1
Stebbins (AK)	--	87	--	--	--	--	--	.	--	--	2
Togiak (AK)	--	117	--	--	--	--	--	.	--	--	2
Toksook Bay (AK)	--	78	--	--	--	--	--	.	--	--	2
Tununak (AK)	--	58	--	--	--	--	--	.	--	--	1
Wales (AK)	--	39	--	--	--	--	--	.	--	--	--
Albany City Of	--	--	--	--	--	--	--	--	--	--	.
Albany (MO)	--	--	--	--	--	--	--	--	--	--	.
Alexandria Bd Of Public Works ...	--	--	--	--	--	--	--	--	--	--	--
Alexandria (MN)	--	--	--	--	--	--	--	--	--	--	--
Alexandria Elec Lt & Pr Dept	--	--	--	--	--	--	--	--	--	--	18
Hunter, D G (LA)	--	--	--	--	--	--	--	--	--	--	18
Algona Municipal Utilities	--	189	--	--	--	--	--	.	--	--	2
Algona (IA)	--	189	--	--	--	--	--	.	--	--	2
Allegheny Electric Coop	--	--	--	1,644	--	--	--	--	--	--	--
Raystown (PA)	--	--	--	1,644	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Alta Mun Elec Lt & Pwr Pft Sys ...	—	-1	—	—	—	—	—	—	—	—	*
Alta (IA)	—	-1	—	—	—	—	—	—	—	—	*
American Municipal Power-Ohio											
Inc	104,375	—	694	—	—	—	68	—	10	101	—
Richard Gorsuch (OH)	104,375	—	694	—	—	—	68	—	10	101	—
Ames, City Of	26,322	105	—	—	—	—	17	*	—	23	3
Ames (IA)	26,322	120	—	—	—	—	17	*	—	23	1
Ames Gt (IA)	—	-15	—	—	—	—	—	—	—	—	2
Anchorage Mun Lt & Pwr Dept ...	—	—	47,710	—	—	—	—	—	581	—	36
Anchorage (AK)	—	—	720	—	—	—	—	—	13	—	*
GMS 2 (AK)	—	—	46,990	—	—	—	—	—	568	—	36
Aniak Light & Power Company,											
Inc	—	198	—	—	—	—	—	*	—	—	3
Aniak (AK)	—	198	—	—	—	—	—	*	—	—	3
Anita Municipal Utilities	—	—	—	—	—	—	—	—	—	—	—
Anita (IA)	—	—	—	—	—	—	—	—	—	—	—
Ansley Municipal Light Plant	—	—	—	—	—	—	—	—	—	—	—
Ansley (NE)	—	—	—	—	—	—	—	—	—	—	—
Anthony City Of	—	25	263	—	—	—	—	*	3	—	*
Anthony (KS)	—	25	263	—	—	—	—	*	3	—	*
Appalachian Power Co (AEP)	2,020,561	10,650	—	15,999	—	—	781	18	—	2,072	33
Amos, John E (WV)	886,203	8,242	—	—	—	—	352	14	—	1,012	3
Buck (VA)	—	—	—	1,464	—	—	—	—	—	—	—
Byllesby 2 (VA)	—	—	—	1,536	—	—	—	—	—	—	—
Claytor (VA)	—	—	—	6,851	—	—	—	—	—	—	—
Clinch River (VA)	270,492	196	—	—	—	—	98	*	—	351	*
Glen Lyn (VA)	142,722	799	—	—	—	—	53	1	—	116	3
Kanawha River (WV)	101,384	—	—	—	—	—	39	*	—	185	*
Leesville (VA)	—	—	—	2,526	—	—	—	—	—	—	—
London (WV)	—	—	—	1,832	—	—	—	—	—	—	—
Marmet (WV)	—	—	—	1,535	—	—	—	—	—	—	—
Mountaineer (WV)	619,760	1,413	—	—	—	—	240	2	—	409	26
Niagara (VA)	—	—	—	481	—	—	—	—	—	—	—
Reusens (VA)	—	—	—	1,079	—	—	—	—	—	—	—
Smith Mountain (VA)	—	—	—	-5,941	—	—	—	—	—	—	—
Winfield (WV)	—	—	—	4,636	—	—	—	—	—	—	—
Arcadia Mun Electric Utility	—	25	8	—	—	—	—	*	*	—	1
Arcadia (WI)	—	25	8	—	—	—	—	*	*	—	1
Arcanum Water & Light Plant	—	—	—	—	—	—	—	—	—	—	*
Arcanum (OH)	—	—	—	—	—	—	—	—	—	—	*
Argyle Municipal Elec & Water											
Dept	—	—	—	—	—	—	—	—	—	—	—
Argyle (WI)	—	—	—	—	—	—	—	—	—	—	—
Arizona Electric Pwr Coop, Inc	147,573	—	45,926	—	—	—	77	—	475	156	—
Apache Station (AZ)	147,573	—	45,926	—	—	—	77	—	475	156	—
Arizona Public Service Company	1,825,844	407	80,892	2,853	1,542,190	—	1,011	1	867	1,863	171
Childs (AZ)	—	—	—	1,812	—	—	—	—	—	—	—
Cholla (AZ)	637,024	377	176	—	—	—	338	1	2	1,054	6
Fairview (AZ)	—	6	—	—	—	—	—	*	—	—	8
Four Corners (NM)	1,188,820	—	4,745	—	—	—	673	—	47	609	—
Irving (AZ)	—	—	—	1,041	—	—	—	—	—	—	—
Ocotillo (AZ)	—	—	10,585	—	—	—	—	—	124	—	35
Palo Verde (AZ)	—	—	—	—	1,542,190	—	—	—	—	—	—
Phoenix (AZ)	—	20	54,992	—	—	—	—	*	573	—	24
Saguaro (AZ)	—	—	217	—	—	—	—	—	5	—	41

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Arizona Public Service Company											
Yucca (AZ)	--	--	9,880	--	--	--	--	--	113	--	--
Yuma Axis (AZ)	--	4	117	--	--	--	--	*	2	--	57
Arkansas Electric Coop Corp			10,151	22,582	--	--	--	--	113	--	--
Bailey (AR)	--	--	--	--	--	--	--	--	--	--	--
Clyde Ellis (AR)	--	--	--	14,094	--	--	--	--	--	--	--
Dam 9 (AR)	--	--	--	8,488	--	--	--	--	--	--	--
Fitzhugh (AR)	--	--	10,151	--	--	--	--	--	113	--	--
Mc Clellan (AR)	--	--	--	--	--	--	--	--	--	--	--
Arkansas Power & Light Co											
(MSU)	790,365	4,689	275,026	6,243	794,997	--	488	9	2,975	1,027	241
Arkansas Nuclear One(AR)	--	--	--	--	794,997	--	--	--	--	--	--
Blytheville (AR)	--	284	--	--	--	--	--	1	--	--	17
Carpenter (AR)	--	--	--	4,284	--	--	--	--	--	--	--
Couch, Harvey (AR)	--	--	34,377	--	--	--	--	--	377	--	5
Independence (AR)	166,776	3,697	--	--	--	--	110	7	--	522	26
L Catherine (AR)	--	--	111,692	--	--	--	--	--	1,203	--	39
Lynch, Cecil (AR)	--	--	--	--	--	--	--	--	--	--	2
Mablevale (AR)	--	--	--	--	--	--	--	--	--	--	9
Moses, Ham (AR)	--	--	--	--	--	--	--	--	--	--	5
Rommel (AR)	--	--	--	1,959	--	--	--	--	--	--	--
Ritchie, R E (AR)	--	--	128,957	--	--	--	--	--	1,395	--	103
White Bluff (AR)	623,589	708	--	--	--	--	379	1	--	505	35
Arnold Municipal Plant											
Arnold (NE)	--	--	--	--	--	--	--	--	--	--	*
Ashland, City Of											
Ashland (KS)	--	--	--	--	--	--	--	--	--	--	*
Associated Electric Coop, Inc											
New Madrid (MO)	339,724	1,414	--	--	--	--	201	3	--	1,031	20
Thomas Hill (MO)	186,423	72	--	--	--	--	112	*	--	339	1
Unionville (MO)	153,301	1,331	--	--	--	--	89	3	--	692	3
Unionville (MO)	--	11	--	--	--	--	--	*	--	--	15
Atlantic City Electric Co (ACE)											
* Central Storage *	149,622	1,800	12,997	--	--	--	69	6	151	81	355
Carls Corner (NJ)	--	--	--	--	--	--	--	--	--	--	107
Cedar (NJ)	--	-18	473	--	--	--	--	--	8	--	8
Cumberland St (NJ)	--	-636	--	--	--	--	--	*	--	--	6
Deepwater (NJ)	--	--	2,461	--	--	--	--	--	28	--	11
England, B L (NJ)	12,661	146	7,215	--	--	--	5	*	76	15	76
Mickleton Street (NJ)	136,981	2,938	--	--	--	--	63	6	--	66	104
Middle (NJ)	--	--	12	--	--	--	--	--	2	--	1
Missouri Avenue (NJ)	--	-641	--	--	--	--	--	*	--	--	13
Sherman Avenue (NJ)	--	11	--	--	--	--	--	--	--	--	7
Sherman Avenue (NJ)	--	--	2,836	--	--	--	--	--	37	--	23
Atlantic Mun Utilities											
Atlantic (IA)	--	--	--	--	--	--	--	--	--	--	1
Attica City Of											
Attica (KS)	--	--	--	--	--	--	--	--	--	--	--
Auburn City Of											
Auburn (NE)	--	42	70	--	--	--	--	*	1	--	1
Auburn (NE)	--	42	70	--	--	--	--	*	1	--	1
Augusta City Of											
Plant No 1 (KS)	--	9	303	--	--	--	--	*	4	--	*
Plant No 2 (KS)	--	-31	--	--	--	--	--	--	--	--	*
Plant No 2 (KS)	--	40	303	--	--	--	--	*	4	--	*
Augusta Light And Water Plant ...											
Fairbanks (AR)	--	--	--	--	--	--	--	--	--	--	--
Austin Electric Dept											
Decker Creek (TX)	--	--	186,855	--	--	29	--	--	2,059	--	252
Holly Street (TX)	--	--	14,063	--	--	29	--	--	187	--	140
Seaholm (TX)	--	--	172,983	--	--	--	--	--	1,872	--	109
Seaholm (TX)	--	--	-191	--	--	--	--	--	--	--	4

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Austin Utilities	10,354	--	497	--	--	--	5	--	6	20	--
Northeast Station (MN)	10,354	--	497	--	--	--	5	--	6	20	--
Baldwin City Of	--	--	2	--	--	--	--	*	*	--	*
Attica (KS)	--	--	2	--	--	--	--	*	*	--	*
Baltimore Gas & Electric Co	1,074,386	69,894	7,558	--	1,256,726	--	422	124	102	737	447
* Central Storage *	--	--	--	--	--	--	--	--	--	--	--
Brandon (MD)	685,690	3,868	--	--	--	--	286	7	--	495	3
Calvert Cliffs (MD)	--	--	--	--	1,256,726	--	--	--	--	--	--
Crane, C P (MD)	195,478	313	--	--	--	--	77	1	--	112	4
Gould Street (MD)	--	8,515	--	--	--	--	--	18	--	--	36
Notch Cliff (MD)	--	--	--	--	--	--	--	--	--	--	--
Perryman (MD)	--	125	--	--	--	--	--	--	--	--	47
Philadelphia Road (MD)	--	--	--	--	--	--	--	--	--	--	8
Riverside (MD)	--	60	192	--	--	--	--	1	27	--	91
Wagner, H A (MD)	193,218	57,013	7,366	--	--	--	79	97	76	129	240
Westport (MD)	--	--	--	--	--	--	--	*	--	--	19
Bancroft Mun Electric Plant	--	--	--	--	--	--	--	--	--	--	--
Bancroft (IA)	--	--	--	--	--	--	--	--	--	--	--
Bangor Hydro Electric Co	--	27	--	16,010	--	--	--	*	--	--	2
Bar Harbor (ME)	--	11	--	--	--	--	--	*	--	--	1
Eastport (ME)	--	16	--	--	--	--	--	*	--	--	1
Ellsworth (ME)	--	--	--	568	--	--	--	--	--	--	--
Graham Station (ME)	--	--	--	--	--	--	--	--	--	--	--
Howland (ME)	--	--	--	818	--	--	--	--	--	--	--
Medway (ME)	--	--	--	2,613	--	--	--	--	--	--	1
Millford (ME)	--	--	--	3,869	--	--	--	--	--	--	--
Orono (ME)	--	--	--	966	--	--	--	--	--	--	--
Stillwater (ME)	--	--	--	1,059	--	--	--	--	--	--	--
Veazie (ME)	--	--	--	--	--	--	--	--	--	--	--
Veazie A (ME)	--	--	--	6,117	--	--	--	--	--	--	--
Barron Light & Water Dept	--	--	--	27	--	--	--	--	--	--	*
Barron (WI)	--	--	--	27	--	--	--	--	--	--	*
Barrow Utils & Elec Coop Inc	--	6	3,160	--	--	--	--	*	58	--	*
Barrow (AK)	--	6	3,160	--	--	--	--	*	58	--	*
Barton Village Electric Dept	--	--	--	568	--	--	--	--	--	--	*
W. Charleston (VT)	--	--	--	568	--	--	--	--	--	--	*
Basin Electric Pwr Coop, Inc	1,443,277	4,866	--	--	--	--	1,072	10	--	1,349	30
Antelope Valley (ND)	600,006	458	--	--	--	--	486	1	--	159	6
Laramie River (WY)	695,728	3,800	--	--	--	--	459	7	--	855	13
Leland Olds (ND)	147,543	583	--	--	--	--	127	1	--	335	3
Spirit Mound (SD)	--	25	--	--	--	--	--	*	--	--	9
Baudette Light & Water Dept	--	--	--	--	--	--	--	--	--	--	--
Baudette (MN)	--	--	--	--	--	--	--	--	--	--	--
Beaver City Corporation	--	--	--	342	--	--	--	--	--	--	--
Beaver Lower (UT)	--	--	--	41	--	--	--	--	--	--	--
Beaver Upper (UT)	--	--	--	231	--	--	--	--	--	--	--
Beaver 3 (UT)	--	--	--	70	--	--	--	--	--	--	--
Beaver City Of	--	1	--	--	--	--	--	*	--	--	*
Beaver City (NE)	--	1	--	--	--	--	--	*	--	--	*
Bedford Electric Dept	--	--	--	417	--	--	--	--	--	--	--
Snowden (VA)	--	--	--	417	--	--	--	--	--	--	--
Bellevue City Of	--	46	386	--	--	--	--	*	4	--	1
Belleville (KS)	--	46	386	--	--	--	--	*	4	--	1
Bellevue Municipal Utilities	--	--	--	--	--	--	--	--	--	--	*
Bellevue (IA)	--	--	--	--	--	--	--	--	--	--	*

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Beloit City Of	--	10	2	--	--	--	--	*	*	--	*
Beloit (KS)	--	10	2	--	--	--	--	*	*	--	*
Benkelman City Of	--	--	--	--	--	--	--	--	--	--	--
Benkelman (NE)	--	--	--	--	--	--	--	--	--	--	--
Benson Water Light Heat & Pwr											
Plt	--	--	--	--	--	--	--	--	--	--	--
Benson (MN)	--	--	--	--	--	--	--	--	--	--	--
Berlin Electric Light Plant	--	535	--	--	--	--	--	1	--	--	1
Berlin (MD)	--	535	--	--	--	--	--	1	--	--	1
Bethany City	--	3	--	--	--	--	--	*	--	--	1
Bethany (MO)	--	3	--	--	--	--	--	*	--	--	1
Bethel Utilities Commission	--	2,564	--	--	--	--	--	5	--	--	1
Bethel (AK)	--	2,564	--	--	--	--	--	5	--	--	1
Bettles Light & Power Inc	--	68	--	--	--	--	--	*	--	--	1
Bettles (AK)	--	68	--	--	--	--	--	*	--	--	1
Big Rivers Electric Corporation ...	936,172	1,405	192	--	--	--	428	3	2	626	18
Coleman (KY)	255,862	--	192	--	--	--	120	--	2	98	2
Green (KY)	193,094	666	--	--	--	--	100	1	--	205	1
Henderson li (KY)	155,794	192	--	--	--	--	65	*	--	--	1
Reid, Robert (KY)	36,558	103	--	--	--	--	17	*	--	79	4
Wilson (KY)	294,864	444	--	--	--	--	126	1	--	244	10
Black Hills Corp	49,867	870	1,176	--	--	--	46	2	8	14	15
French, Ben (SD)	5,604	870	1,176	--	--	--	5	2	8	3	15
Kirk (SD)	8,094	--	--	--	--	--	8	--	--	4	--
Osage (WY)	21,925	--	--	--	--	--	21	--	--	7	--
Simpson, Neil (WY)	14,264	--	--	--	--	--	13	--	--	--	*
Black River Falls, City Of	--	--	--	83	--	--	--	--	--	--	--
Black River Falls (WI)	--	--	--	83	--	--	--	--	--	--	--
Block Island Power Co	--	587	--	--	--	--	--	1	--	--	2
Block Island (RI)	--	587	--	--	--	--	--	1	--	--	2
Bloomfield Mun Utilities	--	4	--	--	--	--	--	*	--	--	*
Bloomfield (IA)	--	4	--	--	--	--	--	*	--	--	*
Blooming Prairie Pub Utls Comm											
Blooming Prairie (MN)	--	--	--	--	--	--	--	--	--	--	*
Blue Earth Lt & Wtr Dept	--	--	--	--	--	--	--	--	--	--	--
Blue Earth (MN)	--	--	--	--	--	--	--	--	--	--	--
Blue Ridge Electric Membership											
Corp	--	--	--	--	--	--	--	--	--	--	--
Sharp Falls (NC)	--	--	--	--	--	--	--	--	--	--	--
Bluffton Utilities	--	5	341	--	--	--	--	*	1	--	2
Bluffton (IN)	--	5	341	--	--	--	--	*	1	--	2
Bonnars Ferry City Of (Lt & Wtr											
Dpt)	--	--	--	2,066	--	--	--	--	--	--	--
Moyie (ID)	--	--	--	2,066	--	--	--	--	--	--	--
Boston Edison Company	--	167,590	216,382	--	489,150	--	--	277	2,120	--	830
Edgar (MA)	--	45	--	--	--	--	--	*	--	--	1
Framingham (MA)	--	60	--	--	--	--	--	*	--	--	2
L Street (MA)	--	10	--	--	--	--	--	*	--	--	1
Mystic (MA)	--	167,453	38,914	--	--	--	--	276	378	--	801
New Boston (MA)	--	--	177,116	--	--	--	--	--	1,736	--	19
Pilgrim (MA)	--	--	--	--	489,150	--	--	--	--	--	--
West Medway (MA)	--	22	352	--	--	--	--	*	6	--	7

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Bountiful City Light & Power	--	11	213	1,200	--	--	--	*	2	--	1
Bountiful (UT)	--	11	213	--	--	--	--	*	2	--	1
Echo Dam (UT)	--	--	--	1,200	--	--	--	--	--	--	--
Pine View Dam (UT)	--	--	--	--	--	--	--	--	--	--	--
Brady Water & Light Works	--	--	--	--	--	--	--	*	--	--	1
Brady (TX)	--	--	--	--	--	--	--	*	--	--	1
Braintree Electric Light Dept	--	4	3,781	--	--	--	--	*	42	--	18
Potter Station (MA)	--	4	3,781	--	--	--	--	*	42	--	18
Brazos Elec Pwr Coop, Inc	--	--	89,157	--	--	--	--	--	994	--	110
Miller, R W (TX)	--	--	71,794	--	--	--	--	--	784	--	100
North Texas (TX)	--	--	17,363	--	--	--	--	--	210	--	10
Brazos River Authority	--	--	--	925	--	--	--	--	--	--	--
M Sheppard (TX)	--	--	--	925	--	--	--	--	--	--	--
Breese City Of	--	16	--	--	--	--	--	*	--	--	*
Breese (IL)	--	16	--	--	--	--	--	*	--	--	*
Brigham City Corporation	--	--	--	733	--	--	--	--	--	--	--
Brigham City (UT)	--	--	--	378	--	--	--	--	--	--	--
Brigham 2 (UT)	--	--	--	355	--	--	--	--	--	--	--
Broken Bow Mun Utilities	--	10	81	--	--	--	--	*	1	--	*
Broken Bow (NE)	--	10	81	--	--	--	--	*	1	--	*
Brooklyn Mun Utilities	--	2	--	--	--	--	--	*	--	--	*
Brooklyn (IA)	--	2	--	--	--	--	--	*	--	--	*
Brownfield Mun Pr & Lt Plant	--	--	-55	--	--	--	--	--	--	--	*
Brownfield (TX)	--	--	-55	--	--	--	--	--	--	--	*
Brownsville City Of (Pub Utile Brd)	--	--	--	--	--	--	--	--	230	--	28
Brownsville (TX)	--	--	--	--	--	--	--	--	230	--	28
Bryan City Of	--	--	--	--	--	--	--	--	861	--	72
Bryan (TX)	--	--	--	--	--	--	--	--	353	--	35
Dansby (TX)	--	--	48,369	--	--	--	--	--	508	--	37
Bryan Municipal Light & Water Works	--	8	50	--	--	--	--	*	1	--	8
Bryan (OH)	--	8	50	--	--	--	--	*	1	--	8
Bryant Light & Power Plant	--	--	--	--	--	--	--	--	--	--	--
Bryant (SD)	--	--	--	--	--	--	--	--	--	--	--
Buhl Public Utilities Dept	--	--	--	--	--	--	--	--	--	--	--
Buhl (MN)	--	--	--	--	--	--	--	--	--	--	--
Burbank Public Service Department	--	--	16,710	--	--	--	--	--	228	--	41
Magnolia (CA)	--	--	2,122	--	--	--	--	--	35	--	39
Olive (CA)	--	--	14,588	--	--	--	--	--	193	--	2
Burlingame City Of	--	--	7	--	--	--	--	--	*	--	--
Burlingame (KS)	--	--	7	--	--	--	--	--	*	--	--
Burlington City Of	--	12	6	--	--	--	--	*	*	--	1
Burlington (KS)	--	12	6	--	--	--	--	*	*	--	1
Burlington City Of	--	--	--	--	--	--	--	--	--	--	--
Burlington (CO)	--	--	--	--	--	--	--	--	--	--	--
Burlington Electric Light Dept	--	73	1,543	--	--	1,514	--	*	21	--	4
Burlington (VT)	--	--	--	--	--	--	--	*	--	--	2
J C McNeil (VT)	--	73	1,543	--	--	1,514	--	*	21	--	2

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Burwell Municipal Utilities	--	--	--	--	--	--	--	--	--	--	--
Burwell (NE)	--	--	--	--	--	--	--	--	--	--	--
Bushnell Mun Elec Lt & Pwr Util ..	--	--	--	--	--	--	--	--	--	--	1
Bushnell (IL)	--	--	--	--	--	--	--	--	--	--	1
Butler Light & Water Service	--	--	--	--	--	--	--	--	--	--	*
Butler (MO)	--	--	--	--	--	--	--	--	--	--	*
Ca State Dept Of Water											
Resources	--	--	--	51,131	--	-72	--	--	--	--	--
Alamo (CA)	--	--	--	60	--	--	--	--	--	--	--
Bottle Rock (CA)	--	--	--	--	--	-72	--	--	--	--	--
Devil Canyon (CA)	--	--	--	32,061	--	--	--	--	--	--	--
Edw Hyatt (CA)	--	--	--	90,647	--	--	--	--	--	--	--
San Luis (CA)	--	--	--	-104,296	--	--	--	--	--	--	--
Thermal Div (CA)	--	--	--	1,881	--	--	--	--	--	--	--
Thermalito (CA)	--	--	--	11,789	--	--	--	--	--	--	--
W E Warne (CA)	--	--	--	18,989	--	--	--	--	--	--	--
Cajun Elec Power Coop Inc	612,857	1,222	-309	--	--	--	399	2	--	649	25
Big Cajun 1 (LA)	--	--	-309	--	--	--	--	--	--	--	14
Big Cajun 2 (LA)	612,857	1,222	--	--	--	--	399	2	--	649	11
Callaway Mun Elec Utilities	--	--	--	--	--	--	--	--	--	--	--
Callaway (NE)	--	--	--	--	--	--	--	--	--	--	--
Cambridge Lt & Water Works	--	--	--	--	--	--	--	--	--	--	--
Cambridge (NE)	--	--	--	--	--	--	--	--	--	--	--
Campbell Municipal Elec Dept	--	--	--	--	--	--	--	--	--	--	--
Campbell (NE)	--	--	--	--	--	--	--	--	--	--	--
Campbell Lt & Pwr	--	--	--	--	--	--	--	--	--	--	--
Campbell (MO)	--	--	--	--	--	--	--	--	--	--	--
Cardinal Operating Company											
(AEP)	763,135	265	--	--	--	--	300	*	--	427	20
Cardinal (OH)	763,135	265	--	--	--	--	300	*	--	427	20
Carlyle Municipal Utilities	--	6	--	--	--	--	--	*	*	--	*
Carlyle (IL)	--	6	--	--	--	--	--	*	*	--	*
Carmi Light & Water	--	17	5	--	--	--	--	*	*	--	1
Carmi (IL)	--	17	5	--	--	--	--	*	*	--	1
Carolina Power & Light Co	1,962,849	7,931	-57	22,502	1,157,425	--	787	14	2	1,740	130
Asheville (NC)	162,074	377	--	--	--	--	62	1	--	114	1
Blewett (NC)	--	-33	--	4,788	--	--	--	--	--	--	5
Brunswick (NC)	--	--	--	--	507,527	--	--	--	--	--	--
Cape Fear (NC)	53,223	79	--	--	--	--	20	*	--	98	12
Darlington County (SC)	--	14	68	--	--	--	--	*	2	--	69
Harris (NC)	--	--	--	--	651,556	--	--	--	--	--	--
Lee (NC)	6,024	98	--	--	--	--	2	*	--	152	1
Marshall (NC)	--	--	--	587	--	--	--	--	--	--	--
Mayo (NC)	421,337	942	--	--	--	--	172	2	--	250	6
Morehead (NC)	--	-8	--	--	--	--	--	--	--	--	1
Robinson, H B (SC)	80,756	170	--	--	-1,658	--	31	*	--	27	3
Roxboro (NC)	1,119,225	5,122	--	--	--	--	450	9	--	917	9
Sutton (NC)	120,695	1,170	--	--	--	--	50	2	--	122	11
Tillery (NC)	--	--	--	7,603	--	--	--	--	--	--	--
Walters (NC)	--	--	--	9,524	--	--	--	--	--	--	--
Weatherspoon (NC)	-485	--	-125	--	--	--	--	--	--	60	11
Carrollton Municipal Utilities	--	15	44	--	--	--	--	*	5	--	4
Carrollton (MO)	--	15	44	--	--	--	--	*	5	--	4
Carthage Water & Elec Plant	--	-4	-35	--	--	--	--	*	*	--	3
Carthage (MO)	--	-4	-35	--	--	--	--	*	*	--	3

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Cascade Mun Elec Plant	--	--	--	--	--	--	--	--	--	--	*
Cascade (IA)	--	--	--	--	--	--	--	--	--	--	*
Cascade Power Company	--	--	--	39	--	--	--	--	--	--	--
Brevard (NC)	--	--	--	39	--	--	--	--	--	--	--
Cashton Light & Water Plant	--	--	--	--	--	--	--	--	--	--	--
Cashton (WI)	--	--	--	--	--	--	--	--	--	--	--
Cedar Falls Utilities	1,575	--	-3	--	--	--	1	--	*	8	5
Cedar Falls Gl (IA)	1,575	--	16	--	--	--	1	--	*	8	--
Streeter (IA)	--	--	-19	--	--	--	--	--	--	--	5
Center Mun Lt & Pwr	--	--	--	--	--	--	--	--	--	--	--
Center (CO)	--	--	--	--	--	--	--	--	--	--	--
Central Electric Power Coop	22,800	23	--	--	--	--	12	*	--	15	*
Chamois (MO)	22,800	23	--	--	--	--	12	*	--	15	*
Central Hudson Gas & Elec Corp	148,514	176,420	59,515	10,837	--	--	56	273	590	175	595
Coxsackie (NY)	--	--	--	--	--	--	--	--	--	--	2
Danskammer (NY)	148,514	1,389	1,137	--	--	--	56	2	22	175	8
Dashville (NY)	--	--	--	764	--	--	--	--	--	--	--
High Falls (NY)	--	--	--	97	--	--	--	--	--	--	--
Neversink (NY)	--	--	--	7,119	--	--	--	--	--	--	--
Roseton (NY)	--	175,031	58,378	--	--	--	--	271	568	--	581
South Cairo (NY)	--	--	--	--	--	--	--	--	--	--	3
Sturgeon Pool (NY)	--	--	--	2,857	--	--	--	--	--	--	--
Central Illinois Light Co	412,487	702	62	--	--	--	173	1	2	222	1
Duck Creek (IL)	150,441	43	--	--	--	--	73	*	--	97	1
E D Edwards (IL)	262,046	659	--	--	--	--	101	1	--	126	1
Sterling Avenue (IL)	--	--	62	--	--	--	--	--	2	--	--
Central Illinois Public Service Co	865,145	2,718	--	--	--	--	416	7	--	693	56
Coffeen (IL)	392,724	224	--	--	--	--	206	*	--	129	4
Grand Tower (IL)	32,913	184	--	--	--	--	17	*	--	27	*
Hutsonville (IL)	44,958	405	--	--	--	--	22	1	--	52	2
Meredosia (IL)	105,100	967	--	--	--	--	44	4	--	134	43
Newton (IL)	289,450	938	--	--	--	--	126	2	--	352	6
Central Iowa Power Coop	18,421	7	--	--	--	--	10	*	--	32	9
Fair Station (IA)	18,421	--	--	--	--	--	10	--	--	32	--
Summit Lake (IA)	--	7	--	--	--	--	--	*	--	--	9
Central Louisiana Elec Co, Inc	444,622	--	288,211	--	--	--	315	--	2,897	762	209
Coughlin (LA)	--	--	29,788	--	--	--	--	--	297	--	49
Dolet Hills (LA)	178,856	--	1,620	--	--	--	147	--	18	491	--
Franklin (LA)	--	--	3	--	--	--	--	--	*	--	--
Rodemacher (LA)	265,766	--	118,455	--	--	--	167	--	1,212	271	118
Teche (LA)	--	--	138,345	--	--	--	--	--	1,369	--	42
Central Maine Power Company	--	93,903	--	91,942	--	--	--	159	--	--	497
Andro Lower (ME)	--	--	--	-4	--	--	--	--	--	--	--
Androscoggin 3 (ME)	--	--	--	1,592	--	--	--	--	--	--	--
Automatic (ME)	--	--	--	91	--	--	--	--	--	--	--
Bar Mills (ME)	--	--	--	1,018	--	--	--	--	--	--	--
Bates Lower (ME)	--	--	--	-5	--	--	--	--	--	--	--
Bates Upper (ME)	--	--	--	6	--	--	--	--	--	--	--
Bonny Eagle (ME)	--	--	--	2,129	--	--	--	--	--	--	--
Brassua (ME)	--	--	--	--	--	--	--	--	--	--	--
Brunswick (ME)	--	--	--	5,014	--	--	--	--	--	--	--
C. E. Monty (ME)	--	--	--	7,440	--	--	--	--	--	--	--
Cape (ME)	--	-32	--	--	--	--	--	*	--	--	10
Cataract (ME)	--	--	--	1,834	--	--	--	--	--	--	--
Continental Mills (ME)	--	--	--	-1	--	--	--	--	--	--	--
Deer Rips (ME)	--	--	--	2,490	--	--	--	--	--	--	--
Fort Halifax (ME)	--	--	--	125	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Central Maine Power Company											
Gulf Island (ME)	--	--	--	7,778	--	--	--	--	--	--	--
Harris (ME)	--	--	--	15,360	--	--	--	--	--	--	--
Hill Mill (ME)	--	--	--	-3	--	--	--	--	--	--	--
Hiram (ME)	--	--	--	2,202	--	--	--	--	--	--	--
Islesboro (ME)	--	--	--	--	--	--	--	--	--	--	--
Mason (ME)	--	--	--	--	--	--	--	--	--	--	--
North Gorham (ME)	--	--	--	490	--	--	--	--	--	--	--
Oakland (ME)	--	--	--	296	--	--	--	--	--	--	--
Peaks Island (ME)	--	--	--	--	--	--	--	--	--	--	--
Rice Rips (ME)	--	--	--	190	--	--	--	--	--	--	--
Shawmut (ME)	--	--	--	3,704	--	--	--	--	--	--	--
Skelton (ME)	--	--	--	4,685	--	--	--	--	--	--	--
Union Gas (ME)	--	--	--	197	--	--	--	--	--	--	--
West Buxton (ME)	--	--	--	1,601	--	--	--	--	--	--	--
West Channel (MA)	--	--	--	-19	--	--	--	--	--	--	--
Weston (ME)	--	--	--	5,698	--	--	--	--	--	--	--
Williams (ME)	--	--	--	6,796	--	--	--	--	--	--	--
Wyman Hydro (ME)	--	--	--	21,238	--	--	--	--	--	--	--
Wyman, W F (ME)	--	93,935	--	--	--	--	--	159	--	--	487
Central Nebraska Pub Pwr & Irr											
Dist	--	--	-5	21,011	--	--	--	--	--	--	80
Canaday (NE)	--	--	-5	--	--	--	--	--	--	--	80
Jeffrey Canyon (NE)	--	--	--	8,846	--	--	--	--	--	--	--
Johnson No 1 (NE)	--	--	--	7,481	--	--	--	--	--	--	--
Johnson No 2 (NE)	--	--	--	10	--	--	--	--	--	--	--
Kingsley (NE)	--	--	--	4,674	--	--	--	--	--	--	--
Central Operating Company											
(AEP)	349,787	1,056	--	--	--	--	135	2	--	696	19
Sporn, Phil (WV)	349,787	1,056	--	--	--	--	135	2	--	696	19
Central Power & Light Co (CSW)											
* Central Storage *	--	--	--	--	--	--	--	--	--	--	--
Bates, J L (TX)	--	--	72,487	--	--	--	--	--	792	--	40
Coleta Creek (TX)	435,059	5	--	--	--	--	191	*	--	130	7
Davis, Barney M (TX)	--	32	272,927	--	--	--	--	*	2,692	--	138
Eagle Pass (TX)	--	--	--	4,650	--	--	--	--	--	--	--
Hill, Lon C (TX)	--	21	173,360	--	--	--	--	*	1,823	--	65
Joslin, E S (TX)	--	4	80,857	--	--	--	--	*	810	--	50
La Palma (TX)	--	379	56,500	--	--	--	--	1	581	--	43
Laredo (TX)	--	95	60,237	--	--	--	--	*	659	--	20
Nueces Bay (TX)	--	--	205,485	--	--	--	--	--	1,932	--	62
Victoria (TX)	--	--	50,151	--	--	--	--	--	543	--	53
Central Vermont Pub Serv Corp ..											
Arnold Falls (VT)	--	-12	--	18,781	--	--	--	*	--	--	4
Ascutney (VT)	--	3	--	164	--	--	--	*	--	--	--
Bradford (VT)	--	--	--	200	--	--	--	--	--	--	1
Carver Falls (NY)	--	--	--	183	--	--	--	--	--	--	--
Cavendish (VT)	--	--	--	251	--	--	--	--	--	--	--
Clarks Falls (VT)	--	--	--	1,989	--	--	--	--	--	--	--
East Barnet (VT)	--	--	--	756	--	--	--	--	--	--	--
Fairfax Falls (VT)	--	--	--	2,446	--	--	--	--	--	--	--
Gage (VT)	--	--	--	295	--	--	--	--	--	--	--
Glen (VT)	--	--	--	591	--	--	--	--	--	--	--
Lower Middlebury (VT)	--	--	--	522	--	--	--	--	--	--	--
Milton (VT)	--	--	--	4,682	--	--	--	--	--	--	--
Passumpsic (VT)	--	--	--	410	--	--	--	--	--	--	--
Patch (VT)	--	--	--	53	--	--	--	--	--	--	--
Peterson (VT)	--	--	--	3,126	--	--	--	--	--	--	--
Pierce Mills (VT)	--	--	--	173	--	--	--	--	--	--	--
Pittsford (VT)	--	--	--	932	--	--	--	--	--	--	--
Rutland (VT)	--	-12	--	--	--	--	--	--	--	--	2
Salisbury (VT)	--	--	--	398	--	--	--	--	--	--	--
Silver Lake (VT)	--	--	--	834	--	--	--	--	--	--	--
St. Albans (VT)	--	-3	--	--	--	--	--	*	--	--	*

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Central Vermont Pub Serv Corp											
Taftsville (VT)	--	--	--	1	--	--	--	--	--	--	--
Weybridge (VT)	--	--	--	775	--	--	--	--	--	--	--
Centralia Mun Hydro-Elec Plant ...											
Centralia (WA)	--	--	--	4,017	--	--	--	--	--	--	--
	--	--	--	4,017	--	--	--	--	--	--	--
Champion International											
Lake Creek (MT)	--	--	--	721	--	7,479	--	--	--	--	--
Libby (MT)	--	--	--	721	--	--	--	--	--	--	--
	--	--	--	--	--	7,479	--	--	--	--	--
Chanute City Of											
Chanute (KS)	--	--	-114	--	--	--	--	*	*	--	1
Chanute 2 (KS)	--	--	-31	--	--	--	--	--	--	--	--
Chanute 3 (KS)	--	--	-83	--	--	--	--	*	*	--	1
Chappell City Of											
Chappell (NE)	--	--	--	--	--	--	--	--	--	--	--
Chelan County P U D No 1											
Chelan (WA)	--	--	--	521,602	--	--	--	--	--	--	--
Rock Island (WA)	--	--	--	33,823	--	--	--	--	--	--	--
Rocky Reach (WA)	--	--	--	154,568	--	--	--	--	--	--	--
	--	--	--	333,211	--	--	--	--	--	--	--
Cheyenne Lt, Fuel & Power Co ...											
Snyder (WY)	--	--	--	--	--	--	--	--	--	--	--
Chillicothe Municipal Utilities											
Beardmore (MO)	--	10	3	--	--	--	--	*	*	1	7
	--	10	3	--	--	--	--	*	*	1	7
Chugach Electric Assn, Inc											
Beluga (AK)	--	--	160,329	42,388	--	--	--	--	1,769	--	10
Bernice Lake (AK)	--	--	153,693	--	--	--	--	--	1,664	--	--
Bradley Lake (AK)	--	--	4,094	--	--	--	--	--	67	--	3
Cooper Lake (AK)	--	--	--	40,518	--	--	--	--	--	--	--
International (AK)	--	--	--	1,870	--	--	--	--	--	--	7
Soldotna (AK)	--	--	2,542	--	--	--	--	--	38	--	--
Cincinnati Gas & Electric Co	1,881,165	13,233	2,347	--	--	--	777	25	47	1,376	181
Beckjord, Walter C (OH)	343,171	1,931	--	--	--	--	147	3	--	276	27
Dicks Creek (OH)	--	--	-130	--	--	--	--	--	--	--	6
East Bend (KY)	302,889	428	--	--	--	--	134	1	--	186	6
Miami Fort (OH)	508,539	1,681	--	--	--	--	209	3	--	388	32
W. H. Zimmer ()	726,566	7,551	--	--	--	--	287	12	--	526	23
Woodsdale (OH)	--	1,642	2,477	--	--	--	--	6	47	--	88
Citizens Utilities Co											
Charleston (VT)	--	--	--	2,597	--	--	--	--	--	--	*
Newport (VT)	--	--	--	438	--	--	--	--	--	--	--
Newport Diesel (VT)	--	--	--	1,981	--	--	--	--	--	--	--
North Troy (VT)	--	--	--	--	--	--	--	--	--	--	*
	--	--	--	178	--	--	--	--	--	--	--
Citizens Utilities Company											
Valencia (AZ)	--	-13	--	--	--	--	--	--	*	--	1
	--	-13	--	--	--	--	--	--	*	--	1
Clarksdale Water & Light Dept ...											
South (MS)	--	--	64	--	--	--	--	--	1	--	13
Third St (MS)	--	--	64	--	--	--	--	--	1	--	13
Clay Center Mun Lt & Water											
Plant	--	--	--	--	--	--	--	--	--	--	3
Claycenter (KS)	--	--	--	--	--	--	--	--	--	--	3
Cleveland Elec Illum Co, The	1,251,009	3,630	--	--	41,852	--	501	9	--	383	71
Ashtabula (OH)	171,545	246	--	--	--	--	74	1	--	110	1
Avon Lake (OH)	439,994	454	--	--	--	--	174	1	--	118	13
Eastlake (OH)	631,376	1,493	--	--	--	--	247	4	--	137	9
Lake Shore (OH)	8,094	1,437	--	--	--	--	5	3	--	18	48
Perry (OH)	--	--	--	--	41,852	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Cleveland Publ Utils Dept	--	--	331	--	--	--	--	*	8	--	3
Collinwood (OH)	--	--	205	--	--	--	--	--	1	--	1
Lake Road (OH)	--	--	--	--	--	--	--	--	--	--	--
West 41st Street (OH)	--	--	126	--	--	--	--	*	7	--	2
Clinton Village Of	--	--	--	--	--	--	--	*	*	--	*
Clinton (MI)	--	--	--	--	--	--	--	*	*	--	*
Cloverland Electric Coop	--	-71	--	--	--	--	--	*	--	--	1
Dafter (MI)	--	-48	--	--	--	--	--	--	--	--	*
Detour (MI)	--	-23	--	--	--	--	--	*	--	--	*
Coffeyville Mun Lt Dept	--	--	3,558	--	--	--	--	--	57	--	--
Coffeyville (KS)	--	--	3,558	--	--	--	--	--	57	--	--
Coggon Municipal Light Plant	--	--	--	--	--	--	--	--	--	--	--
Coggon (IA)	--	--	--	--	--	--	--	--	--	--	--
Colby Mun Wtr & Lt Plant	--	--	--	--	--	--	--	--	--	--	3
Colby (KS)	--	--	--	--	--	--	--	--	--	--	3
Coldwater City Of (Bd Of Pub Utils)	--	4	3	--	--	--	--	*	*	--	2
Coldwater (MI)	--	4	3	--	--	--	--	*	*	--	2
Coleman City Of	--	9	--	--	--	--	--	*	*	--	1
Coleman (TX)	--	9	--	--	--	--	--	*	*	--	1
Colorado Springs, City Of	209,635	220	-30	1,136	--	--	101	*	--	376	41
Drake, Martin (CO)	71,733	--	--	--	--	--	40	--	--	102	5
George Birdsal (CO)	--	--	-30	--	--	--	--	--	--	--	34
Manitou (CO)	--	--	--	1,105	--	--	--	--	--	--	--
Ray D. Nixon (CO)	137,902	220	--	--	--	--	62	*	--	274	2
Ruxton (CO)	--	--	--	31	--	--	--	--	--	--	--
Columbia Water & Light Dept	-306	--	--	--	--	--	--	--	--	6	2
Columbia (MO)	-306	--	--	--	--	--	--	--	--	6	2
Columbus & Southern Ohio Elec Co	810,402	1,171	--	--	--	--	351	2	--	915	10
Conesville (OH)	772,106	1,125	--	--	--	--	331	2	--	859	10
Picway (OH)	38,296	46	--	--	--	--	20	*	--	56	--
Columbus City Of	--	--	--	--	--	--	--	--	--	--	--
Municipal Electric (OH)	--	--	--	--	--	--	--	--	--	--	--
O Shaughnessy (OH)	--	--	--	--	--	--	--	--	--	--	--
Commonwealth Edison Co Of Indiana	95,740	--	3,968	--	--	--	54	--	41	153	--
State Line (IN)	95,740	--	3,968	--	--	--	54	--	41	153	--
Commonwealth Edison Company (CES)	2,334,314	44,176	154,496	688	5,238,918	--	1,404	105	2,068	2,339	642
Bloom (IL)	--	--	--	--	--	--	--	--	--	--	--
Braidwood (IL)	--	--	--	--	1,094,634	--	--	--	--	--	--
Byron (IL)	--	--	--	--	886,335	--	--	--	--	--	--
Calumet (IL)	--	--	--	--	--	--	--	--	--	--	9
Collins (IL)	--	33,846	85,196	--	--	--	--	86	1,361	--	553
Crawford (IL)	147,149	--	298	--	--	--	87	--	4	137	5
Dixon (IL)	--	--	--	688	--	--	--	--	--	--	--
Dresden (IL)	--	--	--	--	957,349	--	--	--	--	--	--
Electric Junction (IL)	--	--	58	--	--	--	--	--	3	--	17
Fisk Street (IL)	95,465	298	8,128	--	--	--	59	1	88	94	10
Joliet (IL)	124,156	41	2,060	--	--	--	71	*	23	86	15
Joliet 7 & 8 (IL)	431,855	--	45,186	--	--	--	246	--	446	252	--
Kincaid (IL)	362,272	--	1,892	--	--	--	196	--	21	517	--
Lasalle (IL)	--	--	--	--	625,410	--	--	--	--	--	--
Lombard (IL)	--	--	--	--	--	--	--	--	--	--	10

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Commonwealth Edison Company (CES)											
Powerton (IL)	465,850	--	713	--	--	--	323	--	9	983	--
Quad-cities (IL)	--	--	--	--	1,101,877	--	--	--	--	--	--
Sabrooke (IL)	--	66	--	--	--	--	--	*	--	--	9
Waukegan (IL)	314,151	2,095	10,965	--	--	--	186	4	114	59	11
Will County (IL)	393,416	7,830	--	--	--	--	235	14	--	210	3
Zion (IL)	--	--	--	--	573,313	--	--	--	--	--	--
Commonwealth Energy System (CES)											
Airport Diesel (MA)	--	305,065	5,483	--	--	--	--	489	76	--	108
Blackstone Street (MA)	--	2	--	--	--	--	--	*	--	--	*
Canal (MA)	--	--	--	--	--	--	--	--	--	--	3
Cannon Street (MA)	--	303,498	--	--	--	--	--	485	--	--	62
Kendall Square (MA)	--	--	--	--	--	--	--	--	--	--	--
Kendall Square (MA)	--	1,565	5,483	--	--	--	--	3	76	--	40
Oak Bluffs (MA)	--	--	--	--	--	--	--	--	--	--	1
West Tisbury (MA)	--	--	--	--	--	--	--	--	--	--	2
Connecticut Light & Power Co (NU)											
Bantam (CT)	--	237,170	1,125	12,238	--	42,595	--	393	16	--	977
Branford (CT)	--	--	--	52	--	--	--	--	--	--	--
Bulls Bridge (CT)	--	191	--	--	--	--	--	*	--	--	1
Cos Cob (CT)	--	--	--	1,971	--	--	--	--	--	--	--
Devon (CT)	--	26	--	--	--	--	--	*	--	--	6
Falls Village (CT)	--	32,640	--	--	--	--	--	56	--	--	177
Franklin (CT)	--	--	--	1,690	--	--	--	--	--	--	--
Middletown (CT)	--	4	--	--	--	--	--	*	--	--	1
Montville (CT)	--	49,048	--	--	--	--	--	82	--	--	457
Norwalk Harbor (CT)	--	17,462	1,125	--	--	--	--	40	16	--	155
Robertsville (CT)	--	137,663	--	--	--	--	--	213	--	--	142
Rocky River (CT)	--	--	--	120	--	--	--	--	--	--	--
Scotland (CT)	--	--	--	206	--	--	--	--	--	--	--
Shepaug (CT)	--	--	--	287	--	--	--	--	--	--	--
South Meadow (CT)	--	--	--	3,757	--	--	--	--	--	--	--
Stevenscn (CT)	--	148	--	--	42,595	--	--	*	--	--	36
Taftville (CT)	--	--	--	3,327	--	--	--	--	--	--	--
Torrington (CT)	--	--	--	575	--	--	--	--	--	--	--
Tunnel (CT)	--	-9	--	--	--	--	--	--	--	--	1
Haddam Neck (CT)	--	-3	--	253	--	--	--	*	--	--	1
Connecticut Yankee Atomic Pwr Co											
Haddam Neck (CT)	--	--	--	--	428,972	--	--	--	--	--	--
Consolidated Edison Co Of N Y, Inc											
* Central Storage *	--	65,665	628,523	--	695,259	--	--	118	6,553	--	3,285
Arthur Kill (NY)	--	--	--	--	--	--	--	--	--	--	2,418
Astoria (NY)	--	86	-1,180	--	--	--	--	*	--	--	20
Buchanan (NY)	--	36,608	278,736	--	--	--	--	62	2,939	--	199
East River (NY)	--	19	--	--	--	--	--	*	--	--	4
Gowanus (NY)	--	10,479	36,292	--	--	--	--	21	452	--	269
Hudson Avenue (NY)	--	1,017	--	--	--	--	--	3	--	--	55
Indian Point (NY)	--	70	--	--	--	--	--	*	--	--	155
Narrows (NY)	--	--	--	--	695,259	--	--	--	--	--	2
Ravenswood (NY)	--	20	738	--	--	--	--	*	12	--	88
Waterside (NY)	--	7,853	273,073	--	--	--	--	13	2,683	--	43
59Th Street (NY)	--	--	40,864	--	--	--	--	--	466	--	1
74Th Street (NY)	--	2,813	--	--	--	--	--	7	--	--	26
Consolidated Water Power Company	--	6,700	--	--	--	--	--	12	--	--	4
Consolidated Water Power Company											
Biron (WI)	--	--	--	12,008	--	--	--	--	--	--	--
Du Bay (WI)	--	--	--	1,780	--	--	--	--	--	--	--
Stevens Point (WI)	--	--	--	4,307	--	--	--	--	--	--	--
Wisconsin Rapids (WI)	--	--	--	2,745	--	--	--	--	--	--	--
Wisconsin River Di (WI)	--	--	--	2,970	--	--	--	--	--	--	--
	--	--	--	206	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Consumers Power Company	1,291,702	7,403	3,399	-49,766	40,886	--	525	20	65	853	146
Alcona (MI)	--	--	--	2,525	--	--	--	--	--	--	--
Allegan Dam (MI)	--	--	--	1,260	--	--	--	--	--	--	--
Big Rock Point (MI)	--	--	--	--	49,856	--	--	--	--	--	--
Campbell, J H (MI)	491,079	1,613	--	--	--	--	188	3	--	273	6
Cobb, B C (MI)	178,737	272	981	--	--	--	81	--	10	292	--
Cooke (MI)	--	--	--	2,290	--	--	--	--	--	--	--
Croton (MI)	--	--	--	3,432	--	--	--	--	--	--	--
Five Channels (MI)	--	--	--	2,120	--	--	--	--	--	--	--
Footo (MI)	--	--	--	2,666	--	--	--	--	--	--	--
Gaylord (MI)	--	--	99	--	--	--	--	--	1	--	--
Hardy (MI)	--	--	--	7,925	--	--	--	--	--	--	--
Hodenpyl (MI)	--	--	--	3,228	--	--	--	--	--	--	--
Karn, D E (MI)	241,765	5,351	2,185	--	--	--	101	16	50	163	138
Loud (MI)	--	--	--	1,660	--	--	--	--	--	--	--
Ludington (MI)	--	--	--	-86,487	--	--	--	--	--	--	--
Mio (MI)	--	--	--	1,416	--	--	--	--	--	--	--
Morrow, B E (MI)	--	--	--	--	--	--	--	--	--	--	--
Palisades (MI)	--	--	--	--	-8,970	--	--	--	--	--	--
Rogers (MI)	--	--	--	2,585	--	--	--	--	--	--	--
Straits (MI)	--	--	--	--	--	--	--	--	--	--	--
Thetford (MI)	--	--	114	--	--	--	--	--	4	--	--
Tippy, C W (MI)	--	--	--	4,708	--	--	--	--	--	--	--
Weadock, J C (MI)	193,262	38	20	--	--	--	82	--	--	67	--
Webber (MI)	--	--	--	906	--	--	--	--	--	--	--
Whiting, J R (MI)	186,859	129	--	--	--	--	74	--	--	58	2
Coon Rapids Mun Utilities	--	--	--	--	--	--	--	--	--	--	1
Coon Rapids (IA)	--	--	--	--	--	--	--	--	--	--	1
Cooperative Power Association ..	746,448	--	--	--	--	--	658	--	--	1,040	30
Bonifacius (MN)	--	--	--	--	--	--	--	--	--	--	6
Coal Creek (ND)	746,448	--	--	--	--	--	658	--	--	1,040	24
Copper Valley Electric Assn, Inc ..	--	-149	--	6,288	--	--	--	--	--	--	2
Glennallen (AK)	--	-35	--	--	--	--	--	--	--	--	1
Valdez (AK)	--	--	--	6,288	--	--	--	--	--	--	--
Valdez (AK)	--	-114	--	--	--	--	--	--	--	--	1
Cordova City Of	--	1,368	--	302	--	--	--	2	--	--	1
Cordova (AK)	--	50	--	--	--	--	--	--	--	--	--
Humpback Creek (AK)	--	--	--	302	--	--	--	--	--	--	--
Ocean Dock (AK)	--	1,318	--	--	--	--	--	2	--	--	--
Corn Belt Power Coop	408	--	--	--	--	--	--	--	--	13	--
Humboldt (IA)	-49	--	--	--	--	--	--	--	--	--	--
Wisdom, Earl F (IA)	457	--	--	--	--	--	--	--	--	13	--
Corning Municipal Utilities	--	--	--	--	--	--	--	--	--	--	--
Corning (IA)	--	--	--	--	--	--	--	--	--	--	--
Craig-Botetourt Electric Coop	--	--	--	--	--	--	--	--	--	--	--
New Castle (VA)	--	--	--	--	--	--	--	--	--	--	--
Crawfordsville Elec Lt & Pwr Util ..	--	--	--	--	--	--	--	--	--	4	--
Crawfordsville (IN)	--	--	--	--	--	--	--	--	--	4	--
Crete City Of	--	27	201	--	--	--	--	--	2	--	1
Crete (NE)	--	27	201	--	--	--	--	--	2	--	1
Crisp County Power Commission ..	-128	--	--	1,501	--	--	--	--	1	3	--
Crisp (GA)	-128	--	--	--	--	--	--	--	1	3	--
Warwick (GA)	--	--	--	1,501	--	--	--	--	--	--	--
Crystal Falls City Of (Lt & Wtr)	--	--	--	540	--	--	--	--	--	--	--
Crystal Falls (MI)	--	--	--	540	--	--	--	--	--	--	--
Culpeper Town Of	--	53	25	--	--	--	--	--	--	--	1
Culpeper (VA)	--	53	25	--	--	--	--	--	--	--	1

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Cumberland Municipal Utility	--	--	--	--	--	--	--	--	--	--	1
Cumberland (WI)	--	--	--	--	--	--	--	--	--	--	1
Curtis City Of	--	--	--	--	--	--	--	--	--	--	--
Curtis (NE)	--	--	--	--	--	--	--	--	--	--	--
Cushing City Of	--	19	17	--	--	--	--	*	*	--	*
Cushing (OK)	--	19	17	--	--	--	--	*	*	--	*
Dahlberg Light & Power Co	--	--	--	161	--	--	--	--	--	--	*
Gordon (WI)	--	--	--	51	--	--	--	--	--	--	*
Nancy (WI)	--	--	--	110	--	--	--	--	--	--	--
Solon Diesel (WI)	--	--	--	--	--	--	--	--	--	--	*
Dairyland Power Cooperative	198,774	310	--	3,822	--	--	127	1	--	799	5
Alma (WI)	39,711	59	--	--	--	--	23	*	--	231	*
Flambeau (WI)	--	--	--	3,822	--	--	--	--	--	--	--
Genoa (WI)	-901	--	--	--	--	--	--	*	--	480	3
J P Madgett (WI)	159,356	224	--	--	--	--	104	1	--	88	2
Stoneman (WI)	608	27	--	--	--	--	*	*	--	--	*
Danville Water, Gas & Elec Dept .	--	--	--	1,146	--	--	--	--	--	--	--
Pinnacles (VA)	--	--	--	1,146	--	--	--	--	--	--	--
Dayton Light & Power	--	--	--	--	--	--	--	--	--	--	--
Dayton (IA)	--	--	--	--	--	--	--	--	--	--	--
Dayton Power & Light Company,											
The	1,177,104	4,575	904	--	--	--	482	8	12	971	60
Frank M Tait (OH)	--	--	--	--	--	--	--	--	--	--	1
Hutchings (OH)	10,346	--	892	--	--	--	5	--	11	34	2
Killen Station (OH)	345,258	2,548	--	--	--	--	142	4	--	43	49
Monument (OH)	--	3	--	--	--	--	--	*	--	--	*
Sidney (OH)	--	--	--	--	--	--	--	*	--	--	*
Stuart, J M (OH)	821,500	1,965	--	--	--	--	334	3	--	895	2
Yankee Street (OH)	--	59	12	--	--	--	--	*	*	--	6
Delano Municipal Power Plant	--	--	--	--	--	--	--	--	--	--	1
Delano (MN)	--	--	--	--	--	--	--	--	--	--	1
Delmarva Power & Light Co. Of											
Del	374,528	176,395	160,480	--	--	--	162	295	1,284	330	635
Bayview (VA)	--	102	--	--	--	--	--	*	--	--	1
Christiana (DE)	--	--	--	--	--	--	--	--	--	--	8
Crisfield (MD)	--	54	--	--	--	--	--	*	--	--	1
Delaware City (DE)	--	--	--	--	--	--	--	--	--	--	4
Edge Moor (DE)	100,121	116,427	30,169	--	--	--	42	180	301	51	454
Hay Road (DE)	--	--	130,311	--	--	--	--	--	983	--	91
Indian River (DE)	274,407	3,227	--	--	--	--	120	3	--	279	5
Madison Street (DE)	--	--	--	--	--	--	--	--	--	--	1
Tasley (VA)	--	--	--	--	--	--	--	--	--	--	9
Vienna (MD)	--	56,692	--	--	--	--	--	111	--	--	61
West Substation (DE)	--	-7	--	--	--	--	--	*	--	--	1
Delta City Of	--	6	57	--	--	--	--	*	1	--	*
Delta (CO)	--	6	57	--	--	--	--	*	1	--	*
Denison Municipal Utilities	--	--	--	--	--	--	--	--	--	--	--
Denison (IA)	--	--	--	--	--	--	--	--	--	--	--
Denton Municipal Utilities	--	--	48,616	971	--	--	--	--	502	--	30
Lewisdale (TX)	--	--	--	739	--	--	--	--	--	--	--
Roberts (TX)	--	--	--	232	--	--	--	--	--	--	--
Spencer (TX)	--	--	48,616	--	--	--	--	--	502	--	30
Denver City & County Of	--	--	--	4,471	--	--	--	--	--	--	--
Blue River (CO)	--	--	--	1,241	--	--	--	--	--	--	--
Foothills (CO)	--	--	--	403	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Denver City & County Of											
Hillcrest (CO)	--	--	--	855	--	--	--	--	--	--	--
Roberts Tunnel (CO)	--	--	--	540	--	--	--	--	--	--	--
Strontia Sprgs (CO)	--	--	--	498	--	--	--	--	--	--	--
Williams Fork (CO)	--	--	--	934	--	--	--	--	--	--	--
Deseret Generating & Transmission	320,018	10	--	--	--	--	140	*	--	438	3
Bonanza (UT)	320,018	10	--	--	--	--	140	*	--	438	3
Deshler Municipal Utilities	--	--	--	--	--	--	--	--	--	--	*
Deshler (NE)	--	--	--	--	--	--	--	--	--	--	*
Detroit City Of (Pub Lighting Dept)	--	17,860	--	--	--	--	--	42	--	--	55
Mistersky (MI)	--	17,860	--	--	--	--	--	42	--	--	55
Detroit Edison Company, The	3,367,936	6,663	25,993	--	720,606	--	1,644	13	1,424	4,099	319
* Central Storage *	--	--	--	--	--	--	--	--	--	689	--
Beacon Heating (MI)	--	--	-531	--	--	--	--	--	--	--	7
Belle River (MI)	718,958	792	--	--	--	--	387	1	--	--	9
Colfax (MI)	--	-14	--	--	--	--	--	*	--	--	1
Conners Creek (MI)	--	-7	--	--	--	--	--	*	--	--	*
Dayton (MI)	--	-38	--	--	--	--	--	--	--	--	*
Enrico Fermi (MI)	--	-12	--	--	720,606	--	--	*	--	--	5
Greenwood (MI)	--	133	1,348	--	--	--	--	1	32	--	224
Hancock (MI)	--	--	57	--	--	--	--	--	2	--	--
Harbor Beach (MI)	4,939	222	--	--	--	--	2	*	--	35	*
Marysville (MI)	25,267	--	1,082	--	--	--	14	--	14	14	--
Monroe (MI)	1,397,358	2,137	--	--	--	--	626	4	--	604	9
Northeast (MI)	--	3	2	--	--	--	--	*	1	--	2
Oliver (MI)	--	-19	--	--	--	--	--	*	--	--	1
Placid (MI)	--	-14	--	--	--	--	--	*	--	--	1
Putnam (MI)	--	-31	--	--	--	--	--	*	--	--	1
River Rouge (MI)	270,153	-1	22,647	--	--	--	128	*	1,360	31	1
Slocum (MI)	--	2	--	--	--	--	--	*	--	--	*
St. Clair (MI)	665,722	3,347	1,388	--	--	--	358	6	14	2,630	46
Superior (MI)	--	104	--	--	--	--	--	*	--	--	2
Trenton Channel (MI)	285,541	93	--	--	--	--	129	*	--	97	9
Wilmott (MI)	--	-34	--	--	--	--	--	--	--	--	*
Detroit Lakes City Of	--	--	--	--	--	--	--	--	--	--	--
Detroit Lakes (MN)	--	--	--	--	--	--	--	--	--	--	--
Douglas County Pud No 1	--	--	--	247,756	--	--	--	--	--	--	--
Wells (WA)	--	--	--	247,756	--	--	--	--	--	--	--
Dover Elec Lt & Power Plant	5,569	--	--	--	--	--	4	--	--	*	*
Dover (OH)	5,569	--	--	--	--	--	4	--	--	*	*
Dover Electric Department	--	195	427	--	--	--	--	*	6	--	13
McKee Run (DE)	--	195	427	--	--	--	--	*	6	--	10
Van Sant (DE)	--	--	--	--	--	--	--	--	--	--	4
Dowagiac Dept Of Public Service	--	87	150	--	--	--	--	*	2	--	1
Dowagiac (MI)	--	87	150	--	--	--	--	*	2	--	1
Duke Power Company	2,324,878	6,514	-118	192	4,221,534	--	883	11	2	1,429	114
Allen (NC)	299,949	2,334	--	--	--	--	121	4	--	192	1
Bad Creek (SC)	--	--	--	-35,925	--	--	--	--	--	--	--
Belews Creek (NC)	1,139,892	752	--	--	--	--	429	1	--	388	6
Boyd's Mill (SC)	--	--	--	171	--	--	--	--	--	--	--
Bridgewater (NC)	--	--	--	894	--	--	--	--	--	--	--
Buck (NC)	18,171	437	34	--	--	--	8	1	*	82	15
Buzzard Roost (SC)	--	--	-95	1,208	--	--	--	--	1	--	36
Catawba (NC)	--	--	--	--	1,629,550	--	--	--	--	--	--
Cedar Creek (SC)	--	--	--	2,658	--	--	--	--	--	--	--
Cliffside (NC)	189,898	1,025	--	--	--	--	74	2	--	141	2

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Duke Power Company											
Cowans Ford (NC)	--	--	--	2,690	--	--	--	--	--	--	--
Dan River (NC)	15,302	430	31	--	--	--	7	1	*	69	15
Dearborn (SC)	--	--	--	3,301	--	--	--	--	--	--	--
Fishing Creek (SC)	--	--	--	3,092	--	--	--	--	--	--	--
Gaston Shoals (SC)	--	--	--	1,124	--	--	--	--	--	--	--
Great Falls (SC)	--	--	--	31	--	--	--	--	--	--	--
Hollidays Bridge (SC)	--	--	--	202	--	--	--	--	--	--	--
Idols (NC)	--	--	--	169	--	--	--	--	--	--	--
Jocassee (SC)	--	--	--	664	--	--	--	--	--	--	--
Keowee (SC)	--	--	--	2,371	--	--	--	--	--	--	--
Lee (SC)	2,614	149	13	--	--	--	2	*	*	118	13
Lookout Shoals (NC)	--	--	--	2,457	--	--	--	--	--	--	--
Marshall (NC)	659,862	1,387	--	--	--	--	243	2	--	307	6
Mc Guire (NC)	--	--	--	--	752,533	--	--	--	--	--	--
Mountain Island (NC)	--	--	--	1,702	--	--	--	--	--	--	--
Oconee (SC)	--	--	--	--	1,839,451	--	--	--	--	--	--
Oxford (NC)	--	--	--	2,599	--	--	--	--	--	--	--
Rhodhiss (NC)	--	--	--	1,612	--	--	--	--	--	--	--
Riverbend (NC)	-810	--	-101	--	--	--	--	--	--	132	17
Rocky Creek (SC)	--	--	--	--	--	--	--	--	--	--	--
Saluda (SC)	--	--	--	152	--	--	--	--	--	--	--
Spencer Mountain (NC)	--	--	--	20	--	--	--	--	--	--	--
Stice Shoals (NC)	--	--	--	103	--	--	--	--	--	--	--
Turner Shoals (NC)	--	--	--	295	--	--	--	--	--	--	--
Tuxedo (NC)	--	--	--	319	--	--	--	--	--	--	--
Urquhart (SC)	--	--	--	--	--	--	--	--	--	--	3
Wateree (SC)	--	--	--	3,667	--	--	--	--	--	--	--
Wylie (SC)	--	--	--	2,525	--	--	--	--	--	--	--
99 Islands (SC)	--	--	--	2,091	--	--	--	--	--	--	--
Duquesne Light Company	552,894	295	6,164	--	222,439	--	232	3	61	425	50
Beaver Valley (PA)	--	--	--	--	222,439	--	--	--	--	--	--
Brunot Island (PA)	--	-175	--	--	--	--	--	2	--	--	47
Cheswick (PA)	318,253	--	6,164	--	--	--	123	--	61	255	--
Eirama (PA)	234,641	470	--	--	--	--	108	1	--	170	4
Phillips, F (PA)	--	--	--	--	--	--	--	--	--	--	--
Durant Municipal Electric Plant	--	--	--	--	--	--	--	--	--	--	*
Durant (IA)	--	--	--	--	--	--	--	--	--	--	*
East Bay Mun Utility District	--	--	--	7,984	--	--	--	--	--	--	--
Camanche (CA)	--	--	--	1,381	--	--	--	--	--	--	--
Pardee (CA)	--	--	--	6,603	--	--	--	--	--	--	--
East Kentucky Power											
Cooperative	604,281	838	--	--	--	--	249	--	--	425	4
Cooper (KY)	189,361	78	--	--	--	--	75	--	--	76	1
Dale (KY)	68,223	132	--	--	--	--	34	--	--	49	*
Spurlock, H L (KY)	346,697	628	--	--	--	--	140	1	--	299	4
Eastern Maine Elec Coop, Inc	--	--	--	--	--	--	--	*	--	--	*
Portable (ME)	--	--	--	--	--	--	--	--	--	--	--
River Street (ME)	--	--	--	--	--	--	--	*	--	--	*
Easton Utilities Commission, The	--	259	43	--	--	--	--	1	1	--	13
Easton (MD)	--	40	24	--	--	--	--	*	*	--	9
Easton No. 2 (MD)	--	219	19	--	--	--	--	1	*	--	4
Edison Sault Electric Co	--	2	--	17,786	--	--	--	*	--	--	*
Edison Sault (MI)	--	--	--	17,786	--	--	--	--	--	--	--
Manistique (MI)	--	2	--	--	--	--	--	*	--	--	*
Egegik Light & Power Company ..	--	40	--	--	--	--	--	*	--	--	--
Egegik (AK)	--	40	--	--	--	--	--	*	--	--	--
El Paso Electric Company	--	310	234,384	--	--	--	--	1	2,679	--	78
Copper (TX)	--	--	6,673	--	--	--	--	--	97	--	7

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
El Paso Electric Company											
Newman (TX)	--	--	139,498	--	--	--	--	--	1,564	--	11
Rio Grande (NM)	--	310	88,213	--	--	--	--	1	1,019	--	61
Electra City Of											
Electra (TX)	--	--	--	--	--	--	--	--	--	--	--
Electric Energy, Inc	521,733	447	--	--	--	--	296	1	--	305	1
Joppa Steam (IL)	521,733	447	--	--	--	--	296	1	--	305	1
Elk River Municipal Utilities	--	10	--	--	--	--	--	*	--	--	*
Elk River (MN)	--	10	--	--	--	--	--	*	--	--	*
Ellinwood Lt & Water	--	2	1	--	--	--	--	*	*	--	--
Ellinwood (KS)	--	2	1	--	--	--	--	*	*	--	--
Elroy City Of	--	-2	--	--	--	--	--	--	--	--	*
Elroy (WI)	--	-2	--	--	--	--	--	--	--	--	*
Emerson Light & Power Plant	--	1	39	--	--	--	--	*	1	--	*
Emerson (NE)	--	1	39	--	--	--	--	*	1	--	*
Empire District Electric Co	128,299	-19	278	6,394	--	--	79	*	4	151	33
Asbury (MO)	96,772	93	--	--	--	--	61	*	--	119	1
Energy Center (MO)	--	-112	--	--	--	--	--	--	--	--	28
Ozark Beach (MO)	--	--	--	6,394	--	--	--	--	--	--	--
Riverton (KS)	31,527	--	278	--	--	--	19	--	4	33	4
Enosburg Falls Inc Village Of	--	--	--	511	--	--	--	--	--	--	*
Diesel Plt (VT)	--	--	--	--	--	--	--	--	--	--	*
Kendall (VT)	--	--	--	143	--	--	--	--	--	--	--
Village Plt (VT)	--	--	--	368	--	--	--	--	--	--	--
Ephraim City Corporation	--	--	--	263	--	--	--	--	--	--	--
No 1 (UT)	--	--	--	101	--	--	--	--	--	--	--
No. 3 (UT)	--	--	--	154	--	--	--	--	--	--	--
No.4 (UT)	--	--	--	8	--	--	--	--	--	--	--
Erie Water & Light	--	--	--	--	--	--	--	--	--	--	--
Erie (KS)	--	--	--	--	--	--	--	--	--	--	--
Escondido Mutual Wtr Co	--	--	--	958	--	--	--	--	--	--	--
Bear Valley (CA)	--	--	--	958	--	--	--	--	--	--	--
Rincon Pwr (CA)	--	--	--	--	--	--	--	--	--	--	--
Estherville City Of	--	--	--	--	--	--	--	*	--	--	2
Esterville (IA)	--	--	--	--	--	--	--	*	--	--	2
Eugene City Of	--	--	--	24,834	--	--	--	--	--	--	--
Carmen (OR)	--	--	--	12,828	--	--	--	--	--	--	--
Leaburg (OR)	--	--	--	7,544	--	--	--	--	--	--	--
Walterville (OR)	--	--	--	4,482	--	--	--	--	--	--	--
Willamette (OR)	--	--	--	--	--	--	--	--	--	--	--
Fairbanks Mun Utilities System	11,849	--	--	--	--	--	11	*	--	5	1
Chena (AK)	11,849	--	--	--	--	--	11	*	--	5	1
Fairbury Light & Water Dept	--	--	--	--	--	--	--	--	--	--	*
Fairbury (NE)	--	--	--	--	--	--	--	--	--	--	*
Fairfax Mun Pwr Plant	--	--	--	--	--	--	--	--	--	--	--
Fairfax (MN)	--	--	--	--	--	--	--	--	--	--	--
Fairfield Municipal Light Plant	--	--	--	--	--	--	--	--	--	--	--
Fairfield (IL)	--	--	--	--	--	--	--	--	--	--	--
Fairmont Pub Util Comm	-29	-29	-58	--	--	--	--	--	--	2	1
Fairmont (MN)	-29	-29	-58	--	--	--	--	--	--	2	1

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Fairview Light & Water Dept	--	--	--	--	--	--	--	--	--	--	--
Fairview (OK)	--	--	--	--	--	--	--	--	--	--	--
Fall River Rural Elec Coop	--	--	--	3	--	--	--	--	--	--	--
Felt (ID)	--	--	--	3	--	--	--	--	--	--	--
New Felt (ID)	--	--	--	--	--	--	--	--	--	--	--
Falls City Water & Light Dept	--	--	57	--	--	--	--	--	1	--	*
Falls City (NE)	--	--	57	--	--	--	--	--	1	--	*
Farmer City City Of	--	12	--	--	--	--	--	*	*	--	*
Farmer City (IL)	--	12	--	--	--	--	--	*	*	--	*
Farmington City Of	--	--	699	11,951	--	--	--	--	12	--	--
Animas (NM)	--	--	699	--	--	--	--	--	12	--	--
Navajo (NM)	--	--	--	11,951	--	--	--	--	--	--	--
Farmington River Pwr Co	--	--	--	1,241	--	--	--	--	--	--	--
Rainbow (CT)	--	--	--	1,241	--	--	--	--	--	--	--
Fayette Water & Light Plant	--	--	--	--	--	--	--	--	--	--	*
Fayette (MO)	--	--	--	--	--	--	--	--	--	--	*
Fayetteville, Pub Works Comm											
Of	--	714	4,784	--	--	--	--	3	89	--	49
Pod #2 (NC)	--	714	4,784	--	--	--	--	3	89	--	49
Fennimore Municipal Utilities	--	8	--	--	--	--	--	*	--	--	*
Fennimore (WI)	--	8	--	--	--	--	--	*	--	--	*
Fishers Is Elec Corp (the	--	--	--	--	--	--	--	--	--	--	--
Fishers Isl (NY)	--	--	--	--	--	--	--	--	--	--	--
Fitchburg Gas & Elec Light Co	--	15	--	--	--	--	--	*	--	--	2
Fitchburg (MA)	--	15	--	--	--	--	--	*	--	--	2
Florida Keys Elec Coop Assn Inc											
Marathon (FL)	--	112	--	--	--	--	--	*	--	--	4
Marathon (FL)	--	112	--	--	--	--	--	*	--	--	4
Florida Power & Light Company .	--	2,274,284	1,163,707	--	1,831,451	--	--	3,510	8,905	--	3,810
Cape Canaveral (FL)	--	214,434	--24	--	--	--	--	325	3	--	206
Cutler (FL)	--	--	15,971	--	--	--	--	--	204	--	--
Fort Meyers (FL)	--	248,569	--	--	--	--	--	370	--	--	518
Lauderdale (FL)	--	24	414,492	--	--	--	--	*	3,223	--	87
Manatee (FL)	--	524,428	--	--	--	--	--	827	--	--	1,014
Martin (FL)	--	91,757	289,833	--	--	--	--	152	969	--	860
Port Everglades (FL)	--	415,519	81,504	--	--	--	--	627	888	--	262
Putnam (FL)	--	--	247,301	--	--	--	--	*	2,239	--	40
Riviera (FL)	--	321,215	--	--	--	--	--	496	--	--	209
Sanford (FL)	--	263,466	1,877	--	--	--	--	426	20	--	314
St. Lucie (FL)	--	--	--	--	1,049,331	--	--	--	--	--	--
Turkey Point (FL)	--	194,872	133,153	--	782,120	--	--	293	1,360	--	300
Florida Power Corporation	728,261	651,363	--	--	595,704	--	281	1,061	--	579	1,111
* Central Storage *	--	--	--	--	--	--	--	--	--	--	217
Anclote (FL)	--	358,300	--	--	--	--	--	559	--	--	241
Avon Park (FL)	--	10	--	--	--	--	--	*	--	--	8
Bartow, P L (FL)	--	218,546	--	--	--	--	--	353	--	--	152
Bayboro (FL)	--	273	--	--	--	--	--	1	--	--	26
Crystal River (FL)	728,261	2,855	--	--	595,704	--	281	5	--	579	17
Debary (FL)	--	9,878	--	--	--	--	--	24	--	--	129
Higgins (FL)	--	16,562	--	--	--	--	--	33	--	--	35
Intercession City (FL)	--	5,503	--	--	--	--	--	12	--	--	98
Port St. Joe (FL)	--	--	--	--	--	--	--	--	--	--	*
Rio Pinar (FL)	--	--	--	--	--	--	--	--	--	--	2
Suwannee River (FL)	--	17,702	--	--	--	--	--	34	--	--	121
Turner, G E (FL)	--	21,734	--	--	--	--	--	39	--	--	61

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Florida Public Utilities Co	--	--	--	--	--	--	--	--	--	--	--
Blue Springs (FL)	--	--	--	--	--	--	--	--	--	--	--
Floydada City of	--	--	--	--	--	--	--	--	--	--	*
Floydada (TX)	--	--	--	--	--	--	--	--	--	--	*
Forest City Municipal Utilities	--	-10	--	--	--	--	--	*	--	--	5
Forest City (IA)	--	-10	--	--	--	--	--	*	--	--	5
Fort Pierce Utilities Authority	--	8	29,114	--	--	--	--	*	355	--	35
King (FL)	--	8	29,114	--	--	--	--	*	355	--	35
Franklin Mun Lt & Wtr Plant	--	6	3	--	--	--	--	*	*	--	*
Franklin (NE)	--	6	3	--	--	--	--	*	*	--	*
Fredonia Lt & Pwr	--	--	--	--	--	--	--	--	--	--	--
Fredonia (KS)	--	--	--	--	--	--	--	--	--	--	--
Freeburg Mun Light Plant	--	12	--	--	--	--	--	*	--	--	1
Freeburg (IL)	--	12	--	--	--	--	--	*	--	--	1
Freeport Electric Power System	--	51	--	--	--	--	--	1	--	--	8
Plant No 1 (NY)	--	222	--	--	--	--	--	1	--	--	2
Plant No 2 (NY)	--	-171	--	--	--	--	--	*	--	--	6
Fremont Dept Of Utilities	9,383	--	231	--	--	--	8	--	3	12	2
Lon Wright (NE)	9,383	--	231	--	--	--	8	--	3	12	2
Fulton City Of	--	-100	--	--	--	--	--	*	*	--	3
Fulton (MO)	--	-100	--	--	--	--	--	*	*	--	3
Gainesville Regional Utilities	132,287	2	5,124	--	--	--	52	*	90	65	92
Deerhaven (FL)	132,287	--	2,638	--	--	--	52	--	52	65	52
Kelly, J R (FL)	--	2	2,486	--	--	--	--	*	38	--	40
Gallatin Light & Water Works	--	--	--	--	--	--	--	--	--	--	--
Gallatin (MO)	--	--	--	--	--	--	--	--	--	--	--
Gardner Municipal Electric Sys	--	--	274	--	--	--	--	--	4	--	2
Gardner (KS)	--	--	274	--	--	--	--	--	4	--	2
Garkane Power Assn, Inc	--	--	--	2,282	--	--	--	--	--	--	--
Boulder (UT)	--	--	--	2,282	--	--	--	--	--	--	--
Garland City Of	--	--	122,599	--	--	--	--	--	1,343	--	183
Newman, C E (TX)	--	--	8,845	--	--	--	--	--	114	--	20
Olinger, Ray (TX)	--	--	113,754	--	--	--	--	--	1,229	--	163
Garnett City Of	--	--	-25	--	--	--	--	*	--	--	1
Garnett (KS)	--	--	-25	--	--	--	--	*	--	--	1
Geneseo Municipal Utilities	--	--	--	--	--	--	--	*	*	--	*
Geneseo (IL)	--	--	--	--	--	--	--	*	*	--	*
Georgia Power Co (SC)	4,877,704	7,525	2,182	94,104	2,054,585	--	1,912	16	26	2,759	480
Arkwright (GA)	272	-29	--	--	--	--	*	--	*	38	14
Atkinson (GA)	--	12	436	--	--	--	--	*	12	--	86
Barnett Shoals (GA)	--	--	--	318	--	--	--	--	--	--	--
Bartlett Ferry (GA)	--	--	--	22,699	--	--	--	--	--	--	--
Bowen (GA)	1,527,911	521	--	--	--	--	595	1	--	755	12
Burton (GA)	--	--	--	436	--	--	--	--	--	--	--
Estatoah (GA)	--	--	--	54	--	--	--	--	--	--	--
Flint River (GA)	--	--	--	1,596	--	--	--	--	--	--	--
Goat Rock (GA)	--	--	--	8,641	--	--	--	--	--	--	--
Hammond (GA)	29,424	370	--	--	--	--	13	1	--	48	2
Harles Branch (GA)	717,357	372	--	--	--	--	283	1	--	368	4
Hatch, Edwin I. (GA)	--	--	--	--	901,639	--	--	--	--	--	--
Langdale (GA)	--	--	--	413	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Georgia Power Co (SC)											
Lloyd Shoals (GA)	—	—	—	2,551	—	—	—	—	—	—	—
McDonough, J (GA)	335,782	64	1,746	—	—	—	128	*	14	95	—
Mcmanus (GA)	—	-365	—	—	—	—	—	—	—	—	140
Mitchell, W (GA)	54,636	1,409	—	—	—	—	22	2	—	51	77
Morgan Falls (GA)	—	—	—	4,365	—	—	—	—	—	—	—
Nacoochee (GA)	—	—	—	254	—	—	—	—	—	—	—
North Highlands (GA)	—	—	—	7,152	—	—	—	—	—	—	—
Oliver Dam (GA)	—	—	—	11,881	—	—	—	—	—	—	—
Riverview (GA)	—	—	—	80	—	—	—	—	—	—	—
Scherer (GA)	1,141,615	2,099	—	—	—	—	442	4	—	523	13
Sinclair Dam (GA)	—	—	—	988	—	—	—	—	—	—	—
Tallulah Falls (GA)	—	—	—	1,894	—	—	—	—	—	—	—
Terrora (GA)	—	—	—	905	—	—	—	—	—	—	—
Tugalo (GA)	—	—	—	1,632	—	—	—	—	—	—	—
Vogtle (GA)	—	—	—	—	1,152,946	—	—	—	—	—	—
Wallace Dam (GA)	—	—	—	27,354	—	—	—	—	—	—	—
Wansley (GA)	994,196	710	—	—	—	—	390	1	—	417	32
Wilson (GA)	—	1,813	—	—	—	—	—	5	—	—	78
Yates (GA)	76,511	549	—	—	—	—	39	1	—	464	2
Yonah (GA)	—	—	—	891	—	—	—	—	—	—	—
Gilman Brothers Co	—	—	—	1	—	—	—	—	—	—	—
Gilman (CT)	—	—	—	1	—	—	—	—	—	—	—
Girard City Of	—	—	—	—	—	—	—	—	—	—	—
Girard (KS)	—	—	—	—	—	—	—	—	—	—	—
Glencoe Mun Electric Plant	—	47	6	—	—	—	—	*	*	—	2
Glencoe (MN)	—	47	6	—	—	—	—	*	*	—	2
Glendale Public Service Dept	—	20	11,956	—	—	—	—	*	186	—	51
Grayson (CA)	—	20	11,956	—	—	—	—	*	186	—	51
Golden Valley Elec Assn, Inc	17,937	5,432	—	—	—	—	12	11	—	*	30
Fairbanks (AK)	—	41	—	—	—	—	—	*	—	—	5
Healy (AK)	17,937	77	—	—	—	—	12	*	—	*	1
North Pole (AK)	—	5,314	—	—	—	—	—	11	—	—	24
Goodland Municipal Electric Dep	—	79	751	—	—	—	—	*	12	—	2
Goodland (KS)	—	79	751	—	—	—	—	*	12	—	2
Gouverneur Elec Pft	—	—	—	51	—	—	—	—	—	—	—
Gouverneur (NY)	—	—	—	51	—	—	—	—	—	—	—
Gowrie Light & Water Plant	—	—	—	—	—	—	—	—	—	—	*
Gowrie (IA)	—	—	—	—	—	—	—	—	—	—	*
Graettinger Mun Light Plant	—	—	—	—	—	—	—	—	—	—	—
Graettinger (IA)	—	—	—	—	—	—	—	—	—	—	—
Grafton Light & Water Dept	—	—	—	—	—	—	—	—	—	—	—
Grafton (ND)	—	—	—	—	—	—	—	—	—	—	—
Grand Haven Board Of Lt & Pwr	31,834	—	—	—	—	—	16	—	—	106	10
Harbor Avenue (MI)	—	—	—	—	—	—	—	—	—	—	10
J B Simms (MI)	31,834	—	—	—	—	—	16	—	—	106	—
Grand Island Water & Light Dept	34,663	—	2,540	—	—	—	24	—	23	57	56
Burdick, C W (NE)	—	—	2,540	—	—	—	—	—	23	—	56
Platte (NE)	34,663	—	—	—	—	—	24	—	—	57	—
Grand Junction Mun Lt Plant	—	—	—	—	—	—	—	—	—	—	*
Grand Junction (IA)	—	—	—	—	—	—	—	—	—	—	*
Grand Marais, Village Of	—	-1	—	—	—	—	—	*	—	—	*
Grand Marais (MN)	—	-1	—	—	—	—	—	*	—	—	*

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Grand River Dam Authority	400,190	1	1,507	81,868	—	—	263	*	17	308	1
GRDA No 1 (OK)	400,190	1	1,507	—	—	—	263	*	17	308	1
Markham (OK)	—	—	—	32,355	—	—	—	—	—	—	—
Pensacola (OK)	—	—	—	55,593	—	—	—	—	—	—	—
Salina (OK)	—	—	—	-6,080	—	—	—	—	—	—	—
Granite Falls City Of	—	—	—	341	—	—	—	—	—	—	—
Granite Falls (MN)	—	—	—	341	—	—	—	—	—	—	—
Grant County P U D No 2	—	—	—	586,210	—	—	—	—	—	—	—
Pec Hdws (WA)	—	—	—	1,269	—	—	—	—	—	—	—
Priest Rapids (WA)	—	—	—	295,082	—	—	—	—	—	—	—
Quincy Chut (WA)	—	—	—	2,754	—	—	—	—	—	—	—
Wanapum (WA)	—	—	—	287,105	—	—	—	—	—	—	—
Green Mountain Power Corporation	—	511	—	9,989	—	—	—	1	—	—	9
Berlin (VT)	—	505	—	—	—	—	—	1	—	—	7
Bolton Falls (VT)	—	—	—	2,033	—	—	—	—	—	—	—
Carthusians (VT)	—	—	—	—	—	—	—	—	—	—	—
Colchester (VT)	—	1	—	—	—	—	—	*	—	—	1
Essex Junction 19 (VT)	—	—	—	3,272	—	—	—	—	—	—	*
Gorge 18 (VT)	—	—	—	1,313	—	—	—	—	—	—	—
Marshfield 6 (VT)	—	—	—	205	—	—	—	—	—	—	—
Middlesex 2 (VT)	—	—	—	879	—	—	—	—	—	—	—
Vergennes 9 (VT)	—	5	—	765	—	—	—	*	—	—	*
Waterbury 22 (VT)	—	—	—	1,139	—	—	—	—	—	—	—
West Danville 15 (VT)	—	—	—	383	—	—	—	—	—	—	—
Greenfield Municipal Utilities	—	—	—	—	—	—	—	—	—	—	*
Greenfield (IA)	—	—	—	—	—	—	—	—	—	—	*
Greenport Village Of	—	-4	—	—	—	—	—	*	—	—	*
Greenport (NY)	—	-4	—	—	—	—	—	*	—	—	*
Greensburg Mun Lt & Pwr	—	—	8	—	—	—	—	*	*	—	1
Greensburg (KS)	—	—	8	—	—	—	—	*	*	—	1
Greenville Electric Dept	—	—	—	—	—	—	—	—	—	—	11
Steam (TX)	—	—	—	—	—	—	—	—	—	—	1
Steam (TX)	—	—	—	—	—	—	—	—	—	—	11
Greenwood Utilities Commission	—	—	—	—	—	—	—	—	*	11	6
Henderson (MS)	—	—	—	—	—	—	—	—	*	10	5
Wright (MS)	—	—	—	—	—	—	—	—	—	1	2
Gresham Mun Light Plant	—	—	—	426	—	—	—	—	—	—	—
Lower Weed (WI)	—	—	—	215	—	—	—	—	—	—	—
Upper Weed (WI)	—	—	—	211	—	—	—	—	—	—	—
Grundy Center Mun Lt & Pwr	—	12	5	—	—	—	—	*	*	—	*
Grundy Center (IA)	—	12	5	—	—	—	—	*	*	—	*
Guadalupe-Blanco River Auth	—	—	—	5,436	—	—	—	—	—	—	—
Abbott Tp 3 (TX)	—	—	—	779	—	—	—	—	—	—	—
Canyon (TX)	—	—	—	910	—	—	—	—	—	—	—
Dunlap Tp 1 (TX)	—	—	—	1,228	—	—	—	—	—	—	—
H-4 (TX)	—	—	—	754	—	—	—	—	—	—	—
H-5 (TX)	—	—	—	772	—	—	—	—	—	—	—
Nolte (TX)	—	—	—	678	—	—	—	—	—	—	—
Nolte (TX)	—	—	—	315	—	—	—	—	—	—	—
Gulf Power Co (SC)	840,454	915	10,804	—	—	—	285	2	122	145	4
Crist (FL)	400,017	409	10,804	—	—	—	182	1	122	119	1
Scholz (FL)	-308	—	—	—	—	—	*	*	—	7	*
Smith (FL)	240,745	506	—	—	—	—	103	1	—	19	3
Gulf States Utilities Company	194,118	141,889	1,643,531	2,720	555,354	—	118	*	16,367	198	455

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Gulf States Utilities Company											
Lewis Creek (TX)	--	--	116,281	--	--	--	--	--	1,167	--	34
Louisiana 1 (LA)	--	--	95,865	--	--	--	--	--	732	--	--
Louisiana 2 (LA)	--	--	--	--	--	--	--	--	--	--	--
Neches (TX)	--	--	--	--	--	--	--	--	--	--	--
Nelson, R S (LA)	194,118	141,883	232,376	--	--	--	118	*	2,534	198	112
River Bend (LA)	--	--	--	--	555,354	--	--	*	--	--	--
Sabine (TX)	--	6	867,328	--	--	--	--	--	8,669	--	103
Toledo Bend (TX)	--	--	--	2,720	--	--	--	--	--	--	--
Willow Glen (LA)	--	--	331,681	--	--	--	--	--	3,265	--	205
Gwitchyaa Zhee Utility Company											
Gwitchyaa Zhee (AK)	--	211	--	--	--	--	--	*	--	--	*
	--	211	--	--	--	--	--	*	--	--	*
GPU Nuclear Corporation											
Oyster Creek (NJ)	--	--	--	--	726,309	--	--	--	--	--	--
Three Mile Island (PA)	--	--	--	--	463,798	--	--	--	--	--	--
	--	--	--	--	262,511	--	--	--	--	--	--
Hagerstown Mun Elec Lt Plant											
Hagerstown (MD)	--	--	--	--	--	--	--	--	--	--	--
Haines Light And Power Company											
Haines (AK)	--	867	--	--	--	--	--	2	--	--	--
	--	867	--	--	--	--	--	2	--	--	--
Halstad Municipal Utilities											
Halstad (MN)	--	--	--	--	--	--	--	--	--	--	*
	--	--	--	--	--	--	--	--	--	--	*
Hamilton City Of											
Hamilton (OH)	12,610	14	233	34,988	--	--	8	*	5	9	4
	12,610	14	233	--	--	--	8	*	5	9	4
Hamilton Hydro (OH)	--	--	--	--	--	--	--	--	--	--	--
Vanceburg Hydro (KY)	--	--	--	34,988	--	--	--	--	--	--	--
Hardwick Electric Department											
Hardwick (VT)	--	--	--	416	--	--	--	--	--	--	*
	--	--	--	--	--	--	--	--	--	--	*
Wolcott (VT)	--	--	--	416	--	--	--	--	--	--	--
Hart Hydro Electric Dept											
Hart (MI)	--	--	--	--	--	--	--	*	--	--	*
	--	--	--	--	--	--	--	*	--	--	*
Hart Hydro (MI)	--	--	--	--	--	--	--	--	--	--	--
Hartley City Of											
Hartley (IA)	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--
Hastings Utilities											
Don Henry (NE)	36,945	70	--	--	--	--	25	*	*	69	7
	--	--	--	--	--	--	--	--	--	--	2
Hastings (NE)	36,945	70	--	--	--	--	25	*	--	69	2
North Denver (NE)	--	--	--	--	--	--	--	--	*	--	4
Hawaii Electric Light Co, Inc											
Kanoelehua (HI)	--	42,060	--	1,517	--	--	--	93	--	--	60
	--	2,260	--	--	--	--	--	4	--	--	3
Keahole (HI)	--	9,028	--	--	--	--	--	20	--	--	4
Puna (HI)	--	12,677	--	--	--	--	--	31	--	--	18
Puueo (HI)	--	--	--	1,045	--	--	--	--	--	--	--
Shipman (HI)	--	1,245	--	--	--	--	--	3	--	--	6
W. H. Hill (HI)	--	15,563	--	--	--	--	--	32	--	--	29
Waiau (HI)	--	--	--	472	--	--	--	--	--	--	--
Waimea (HI)	--	1,287	--	--	--	--	--	2	--	--	1
Hawaiian Electric Company, Inc											
* Central Storage *	--	447,422	--	--	--	--	--	751	--	--	728
	--	--	--	--	--	--	--	--	--	--	144
Honolulu (HI)	--	26,525	--	--	--	--	--	54	--	--	55
Kahe (HI)	--	306,348	--	--	--	--	--	496	--	--	341
Waiau (HI)	--	114,549	--	--	--	--	--	201	--	--	188
Hawarden City Of											
Hawarden (IA)	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Haxton City Of	--	--	--	--	--	--	--	--	--	--	--
Haxton (CO)	--	--	--	--	--	--	--	--	--	--	--
Heber Light & Power Plant	--	--	59	763	--	--	--	--	*	--	--
Gas Generation (UT)	--	--	59	--	--	--	--	--	*	--	--
Lake Creek (UT)	--	--	--	300	--	--	--	--	--	--	--
Snake Creek (UT)	--	--	--	463	--	--	--	--	--	--	--
Henderson Mun Pwr & Lt	--	--	--	--	--	--	--	--	--	3	--
Henderson (KY)	--	--	--	--	--	--	--	--	--	3	--
Herndon City Of	--	--	--	--	--	--	--	--	--	--	--
City Lght Plant (KS)	--	--	--	--	--	--	--	--	--	--	--
Herrington City Of	--	-40	--	--	--	--	--	--	--	--	*
Herrington (KS)	--	-40	--	--	--	--	--	--	--	--	*
Hetch Hetchy Water & Power	--	--	--	57,320	--	--	--	--	--	--	--
Holm, Dion R (CA)	--	--	--	142	--	--	--	--	--	--	--
Kirkwood, Robert C (CA)	--	--	--	30,403	--	--	--	--	--	--	--
Moccasin (CA)	--	--	--	27,075	--	--	--	--	--	--	--
Moccasin Low (CA)	--	--	--	--	--	--	--	--	--	--	--
Hibbing Public Utilities Comm	489	--	--	--	--	--	4	--	--	3	--
Hibbing (MN)	489	--	--	--	--	--	4	--	--	3	--
Higginsville City Of	--	--	--	--	--	--	--	--	--	--	--
Higginsville (MO)	--	--	--	--	--	--	--	--	--	--	--
Highland City Of	--	8	--	--	--	--	--	*	--	--	1
Highland (IL)	--	8	--	--	--	--	--	*	--	--	1
Hill City City Of	--	--	--	--	--	--	--	--	--	--	*
Hill City (KS)	--	--	--	--	--	--	--	--	--	--	*
Hilledale Board Of Public Works ..	--	--	--	--	--	--	--	*	--	--	2
Hilledale (MI)	--	--	--	--	--	--	--	*	--	--	2
Holington City Of	--	36	--	--	--	--	--	*	--	--	*
Holington (KS)	--	36	--	--	--	--	--	*	--	--	*
Holdrege City Of	--	4	--	--	--	--	--	*	--	--	*
Holdrege (NE)	--	4	--	--	--	--	--	*	--	--	*
Holland Board Of Public Works ...	24,452	78	--	--	--	--	11	*	--	109	7
James De Young (MI)	24,452	48	--	--	--	--	11	*	--	109	*
48 Street (MI)	--	10	--	--	--	--	--	*	--	--	5
6Th Street (MI)	--	20	--	--	--	--	--	*	--	--	2
Holly Town Of	--	--	--	--	--	--	--	--	--	--	--
Holly (CO)	--	--	--	--	--	--	--	--	--	--	--
Holton City Of	--	22	19	--	--	--	--	*	*	--	*
Holton (KS)	--	22	19	--	--	--	--	*	*	--	*
Holyoke Gas & Elec Dept	--	-63	-295	279	--	--	--	*	*	--	22
Cabot-Holyoke (MA)	--	-63	-295	279	--	--	--	*	*	--	22
Holyoke Mun Pwr & Lt Plt	--	--	--	--	--	--	--	--	--	--	--
Holyoke (CO)	--	--	--	--	--	--	--	--	--	--	--
Holyoke Water Power Co (NU)	37,070	187	--	12,804	--	--	15	*	--	104	*
Boatlock (MA)	--	--	--	791	--	--	--	--	--	--	--
Chemical (MA)	--	--	--	53	--	--	--	--	--	--	--
Hadley Falls (MA)	--	--	--	10,925	--	--	--	--	--	--	--
Holbrook, Beebe (MA)	--	--	--	74	--	--	--	--	--	--	--
Mt Tom (MA)	37,070	187	--	--	--	--	15	*	--	104	*
Riverside (MA)	--	--	--	908	--	--	--	--	--	--	--
Skinner (MA)	--	--	--	53	--	--	--	--	--	--	--

See footnotes at en.¹ of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Homer Electric Assn, Inc	--	--	--	--	--	--	--	--	--	--	*
Seldovia (AK)	--	--	--	--	--	--	--	--	--	--	*
Homestead City Of	--	209	1,883	--	--	--	--	1	43	--	3
G W Ivey (FL)	--	209	1,883	--	--	--	--	1	43	--	3
Hoosier Energy, Ind Statewide											
Rec	553,365	433	--	--	--	--	266	1	--	445	7
Merom (IN)	489,238	422	--	--	--	--	238	1	--	365	7
Ratts (IN)	64,127	11	--	--	--	--	29	*	--	80	*
Hopkinton Municipal Utility	--	20	--	--	--	--	--	*	--	--	*
Hopkinton (IA)	--	20	--	--	--	--	--	*	--	--	*
Houma Light & Water Plant	--	-1	11,754	--	--	--	--	--	145	--	6
Houma (LA)	--	-1	11,754	--	--	--	--	--	145	--	6
Houston Lighting & Power Co	1,889,802	547	2,386,532	--	-20,724	--	1,219	1	23,930	1,561	687
* Central Storage *	--	--	--	--	--	--	--	--	--	--	21
Barton, Sam (TX)	--	114	127,666	--	--	--	--	*	1,403	--	63
Cedar Bayou (TX)	--	227	973,222	--	--	--	--	*	9,726	--	277
Clarke, Hiram (TX)	--	--	902	--	--	--	--	--	19	--	--
Deepwater (TX)	--	--	18,315	--	--	--	--	--	208	--	--
Greens Bayou (TX)	--	--	136,646	--	--	--	--	--	1,411	--	128
Limestone (TX)	242,944	--	4,058	--	--	--	205	--	42	766	32
Parish, W A (TX)	1,646,858	--	379,768	--	--	--	1,014	--	3,778	795	7
Robinson, P H (TX)	--	--	532,226	--	--	--	--	--	5,179	--	116
South Texas (TX)	--	--	--	--	-20,724	--	--	--	--	--	--
Webster (TX)	--	--	36,144	--	--	--	--	--	393	--	--
Wharton, T H (TX)	--	206	177,585	--	--	--	--	*	1,771	--	42
Hudson Light & Power Dept	--	67	49	--	--	--	--	*	1	--	9
Cherry Street (MA)	--	67	49	--	--	--	--	*	1	--	9
Hughes Power & Light Company	--	13	--	--	--	--	--	*	--	--	*
Hughes (AK)	--	13	--	--	--	--	--	*	--	--	*
Hugoton City Of	--	184	1,993	--	--	--	--	*	20	--	1
Hugoton (KS)	--	10	96	--	--	--	--	*	1	--	*
Hugoton #2 (KS)	--	174	1,897	--	--	--	--	*	18	--	1
Hutchinson Utilities Comm	--	35	239	--	--	--	--	*	3	--	4
Plant No. 1 (MN)	--	35	239	--	--	--	--	*	3	--	1
Plant No. 2 (MN)	--	--	--	--	--	--	--	--	--	--	3
Hydro Dev Group Inc	--	--	--	10,301	--	--	--	--	--	--	--
#3 Mill (NY)	--	--	--	483	--	--	--	--	--	--	--
#6 Mill (NY)	--	--	--	518	--	--	--	--	--	--	--
Copenhagen (NY)	--	--	--	1,476	--	--	--	--	--	--	--
Dexter (NY)	--	--	--	2,070	--	--	--	--	--	--	--
Diamond Island (NY)	--	--	--	697	--	--	--	--	--	--	--
Fowler (NY)	--	--	--	642	--	--	--	--	--	--	--
Goodyear Lake (NY)	--	--	--	60	--	--	--	--	--	--	--
Hallesboro (NY)	--	--	--	1,193	--	--	--	--	--	--	--
Pyrites (NY)	--	--	--	19	--	--	--	--	--	--	--
Pyrites #2 (NY)	--	--	--	2,417	--	--	--	--	--	--	--
Theresa (NY)	--	--	--	726	--	--	--	--	--	--	--
Hyrum City Corporation	--	--	--	268	--	--	--	--	--	--	--
Hyrum (UT)	--	--	--	268	--	--	--	--	--	--	--
I-N-N Electric Coop Inc	--	174	--	--	--	--	--	*	--	--	4
I-N-N Electric (AK)	--	174	--	--	--	--	--	*	--	--	4
Idaho Falls Elec Light Dept	--	--	--	17,207	--	--	--	--	--	--	--
City Power Plant (ID)	--	--	--	3,184	--	--	--	--	--	--	--
Gem State (ID)	--	--	--	7,307	--	--	--	--	--	--	--
Lower (ID)	--	--	--	-3	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Idaho Falls Elec Light Dept											
Lower #1 (ID)	--	--	--	3,083	--	--	--	--	--	--	--
Upper Power Plant (ID)	--	--	--	3,626	--	--	--	--	--	--	--
Idaho Power Company	--	--	--	602,574	--	--	--	--	--	--	*
American Falls (ID)	--	--	--	12,249	--	--	--	--	--	--	--
Bliss (ID)	--	--	--	31,789	--	--	--	--	--	--	--
Brownlee (ID)	--	--	--	176,209	--	--	--	--	--	--	--
Cascade (ID)	--	--	--	2,441	--	--	--	--	--	--	--
Clear Lake (ID)	--	--	--	1,477	--	--	--	--	--	--	--
Hells Canyon (OR)	--	--	--	168,655	--	--	--	--	--	--	--
Lower Malad (ID)	--	--	--	10,573	--	--	--	--	--	--	--
Lower Salmon (ID)	--	--	--	21,754	--	--	--	--	--	--	--
Milner (ID)	--	--	--	2,153	--	--	--	--	--	--	--
Oxbow (OR)	--	--	--	86,912	--	--	--	--	--	--	--
Salmon (ID)	--	--	--	--	--	--	--	--	--	--	*
Shoshone Falls (ID)	--	--	--	8,161	--	--	--	--	--	--	--
Strike, C J (ID)	--	--	--	38,617	--	--	--	--	--	--	--
Swan Falls (ID)	--	--	--	6,904	--	--	--	--	--	--	--
Thousand Springs (ID)	--	--	--	5,084	--	--	--	--	--	--	--
Twin Falls (ID)	--	--	--	772	--	--	--	--	--	--	--
Upper Malad (ID)	--	--	--	5,482	--	--	--	--	--	--	--
Upper Salmon (ID)	--	--	--	12,479	--	--	--	--	--	--	--
Upper Salmon (ID)	--	--	--	10,863	--	--	--	--	--	--	--
Wood River (ID)	--	--	--	--	--	--	--	--	--	--	--
Illinois Power Company	1,180,261	3,859	11,905	--	-10,185	--	590	7	143	683	72
Baldwin (IL)	760,158	230	--	--	--	--	395	*	--	484	3
Clinton (IL)	--	--	--	--	-10,185	--	--	--	--	--	--
Havana (IL)	201,403	3,394	--	--	--	--	93	6	--	20	42
Hennepin (IL)	124,223	--	4,651	--	--	--	53	--	47	81	*
Oglesby (IL)	--	--	--	--	--	--	--	--	--	--	3
Stallings (IL)	--	-56	--	--	--	--	--	--	--	--	5
Vermilion (IL)	65,371	194	--	--	--	--	32	*	--	24	1
Wood River (IL)	29,106	97	7,254	--	--	--	16	*	95	75	17
Imperial City Of	--	--	--	--	--	--	--	--	--	--	--
Imperial (NE)	--	--	--	--	--	--	--	--	--	--	--
Imperial Irrigation District	--	--	58,534	23,011	--	--	--	*	597	--	150
Brawley (CA)	--	--	--	--	--	--	--	--	--	--	1
Coachella (CA)	--	--	217	--	--	--	--	*	9	--	12
Double Weir (CA)	--	--	--	--	--	--	--	--	--	--	--
Drop No 1 (CA)	--	--	--	2,048	--	--	--	--	--	--	--
Drop No. 5 (CA)	--	--	--	1,637	--	--	--	--	--	--	--
Drop 2 (CA)	--	--	--	4,815	--	--	--	--	--	--	--
Drop 3 (CA)	--	--	--	4,345	--	--	--	--	--	--	--
Drop 4 (CA)	--	--	--	9,264	--	--	--	--	--	--	--
E Highline (CA)	--	--	--	767	--	--	--	--	--	--	--
El Centro (CA)	--	--	57,880	--	--	--	--	--	582	--	118
Pilot Knob (CA)	--	--	--	--	--	--	--	--	--	--	--
Rockwood (CA)	--	--	437	--	--	--	--	--	6	--	19
Turnip (CA)	--	--	--	135	--	--	--	--	--	--	--
Independence City Of	--	-40	--	--	--	--	--	--	--	--	2
Independence (IA)	--	-40	--	--	--	--	--	--	--	--	2
Independence City Of	--	-545	36	--	--	--	--	*	1	36	8
Blue Valley (MO)	--	-388	--	--	--	--	--	*	1	10	3
Jackson Square (MO)	--	--	--	--	--	--	--	--	--	--	2
Missouri City (MO)	--	-159	--	--	--	--	--	--	--	26	*
Station H (MO)	--	2	36	--	--	--	--	*	--	--	1
Station I (MO)	--	--	--	--	--	--	--	--	--	--	2
Indiana & Michigan Power Co (AEP)	1,640,472	2,349	--	9,460	1,321,052	--	905	6	--	1,380	57
Berrien Springs (MI)	--	--	--	1,977	--	--	--	--	--	--	--
Breed (IN)	--	--	--	--	--	--	--	*	--	85	1

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Indiana & Michigan Power Co (AEP)											
Buchanan (MI)	--	--	--	1,487	--	--	--	--	--	--	--
Constantine (MI)	--	--	--	441	--	--	--	--	--	--	--
Cook, Donald C. (MI)	--	--	--	--	1,321,052	--	--	--	--	--	--
Elkhart (IN)	--	--	--	1,892	--	--	--	--	--	--	--
Fourth Street (IN)	--	10	--	--	--	--	--	*	--	--	1
Mottville (MI)	--	--	--	744	--	--	--	--	--	--	--
Rockport (IN)	1,189,447	1,846	--	--	--	--	714	5	--	785	42
Tanners Creek (IN)	451,025	493	--	--	--	--	191	1	--	509	14
Twin Branch (IN)	--	--	--	2,926	--	--	--	--	--	--	--
Indiana Municipal Power Agency	--	7	43	--	--	--	--	*	1	--	7
Anderson (IN)	--	7	43	--	--	--	--	*	1	--	7
Indiana-Kentucky Electric Corp ...	711,096	63	--	--	--	--	311	*	--	437	4
Clifty Creek (IN)	711,096	63	--	--	--	--	311	*	--	437	4
Indianapolis Pwr & Lt Co	968,130	1,297	87	--	--	--	457	3	--	1,571	28
Perry K (IN)	-1,616	--	87	--	--	--	--	--	--	78	4
Perry W (IN)	--	-56	--	--	--	--	--	--	--	--	1
Petersburg (IN)	617,076	340	--	--	--	--	293	1	--	1,216	4
Pritchard, H T (IN)	60,720	387	--	--	--	--	31	1	--	119	9
Stout, Elmer W (IN)	291,950	626	--	--	--	--	133	2	--	157	10
Indianola Mun Light & Pwr	--	3	-14	--	--	--	--	*	*	--	10
Indianola (IA)	--	3	-14	--	--	--	--	*	*	--	10
Interstate Power Company	191,232	672	15,819	--	--	--	111	2	170	414	29
Dubuque (IA)	2,601	-5	797	--	--	--	3	*	15	37	*
Fox Lake (MN)	--	-10	15,022	--	--	--	--	--	155	19	22
Hills (MN)	--	-9	--	--	--	--	--	--	--	--	*
Kapp, M L (IA)	107,785	--	--	--	--	--	50	--	--	121	--
Lansing (IA)	80,846	473	--	--	--	--	59	1	--	237	1
Lime Creek (IA)	--	244	--	--	--	--	--	1	--	--	3
Montgomery (MN)	--	-9	--	--	--	--	--	--	--	--	2
New Albin (IA)	--	-4	--	--	--	--	--	--	--	--	*
Rushford (MN)	--	-8	--	--	--	--	--	--	--	--	*
Iola Electric System	--	--	--	--	--	--	--	--	1	--	1
Iola (KS)	--	--	--	--	--	--	--	--	1	--	1
Iowa Electric Lt & Pwr Co	76,174	218	7,244	349	171,720	1,562	54	1	111	350	50
Ames (IA)	--	--	--	--	--	--	--	--	--	--	1
Anamosa (IA)	--	--	--	69	--	--	--	--	--	--	--
Arnold, Duane (IA)	--	--	--	--	171,720	--	--	--	--	--	--
Iowa Falls (IA)	--	--	--	60	--	--	--	--	--	--	--
Maquoketa (IA)	--	--	--	220	--	--	--	--	--	--	--
Marshalltown (IA)	--	214	--	--	--	--	--	1	--	--	46
Prairie Creek (IA)	17,176	4	2,145	--	--	--	11	*	26	160	2
Sutherland (IA)	51,634	--	3,162	--	--	--	36	--	41	188	--
6Th Street (IA)	7,364	--	1,937	--	--	1,562	7	--	43	2	2
Iowa Southern Utilities Co	414,660	-34	-22	--	--	--	252	*	--	529	17
Burlington (IA)	--	--	--	--	--	--	--	--	--	132	1
Centerville (IA)	--	-35	--	--	--	--	--	--	--	--	--
Grinnell (IA)	--	--	-22	--	--	--	--	--	--	--	--
Ottumwa (IA)	414,660	1	--	--	--	--	252	*	--	397	17
Iowa-Illinois Gas & Electric Co	217,102	3	2,117	73	--	--	143	*	32	326	13
Coralville (IA)	--	--	-57	--	--	--	--	--	--	--	*
Louisa (IA)	215,305	3	2,062	--	--	--	138	*	22	307	10
Moline (IL)	--	--	-62	73	--	--	--	--	1	--	2
Riverside (IA)	1,797	--	174	--	--	--	4	--	9	19	--
Ipswich Mun Lt Dept	--	11	15	--	--	--	--	*	*	--	1
Ipswich (MA)	--	11	15	--	--	--	--	*	*	--	1

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Jackson Power & Light Dept	--	2	--	--	--	--	--	*	--	--	1
Jackson (MO)	--	2	--	--	--	--	--	*	--	--	1
Jacksonville Electric Authority	907,026	92,120	5,425	--	--	--	358	165	60	341	985
Kennedy, J D (FL)	--	-419	--	--	--	--	--	1	*	--	114
Northside (FL)	--	62,365	4,529	--	--	--	--	115	51	--	775
Southside (FL)	--	28,795	896	--	--	--	--	47	9	--	86
St. Johns River	907,026	1,379	--	--	--	--	358	2	--	341	10
Jamestown Board Of Pub											
Utilities	12,572	47	--	--	--	--	7	*	--	4	*
Carlson, S A (NY)	12,572	47	--	--	--	--	7	*	--	4	*
Janesville Mun Utilities	--	--	--	--	--	--	--	--	--	--	*
Janesville (MN)	--	--	--	--	--	--	--	--	--	--	*
Jasper Mun Electric Utility	4,666	--	13	--	--	--	3	--	*	1	--
Jasper 2 (IN)	4,666	--	13	--	--	--	3	--	*	1	--
Jersey Central Power & Light Co											
(GPS)	--	8,101	6,888	-8,837	--	--	--	16	104	--	328
Forked River (NJ)	--	239	1,561	--	--	--	--	1	20	--	12
Gardner, Glen (NJ)	--	1	19	--	--	--	--	*	1	--	11
Gilbert (NJ)	--	8,149	5,454	--	--	--	--	15	74	--	184
Sayreville (NJ)	--	--	-146	--	--	--	--	--	9	--	73
Werner (NJ)	--	-288	--	--	--	--	--	*	--	--	49
Yards Creek (NJ)	--	--	--	-8,837	--	--	--	--	--	--	--
Jetmore City Of	--	--	--	--	--	--	--	--	--	--	--
Jetmore (KS)	--	--	--	--	--	--	--	--	--	--	--
Johnson City Of	--	24	174	--	--	--	--	*	2	--	1
Johnson (KS)	--	24	174	--	--	--	--	*	2	--	1
Julesburg City Of	--	--	--	--	--	--	--	--	--	--	--
Julesburg (CO)	--	--	--	--	--	--	--	--	--	--	--
Kahoka Municipal Power Plant	--	--	10	--	--	--	--	*	1	--	*
Kahoka (MO)	--	--	10	--	--	--	--	*	1	--	*
Kansas City Bd Of Pub Util	201,389	208	3,250	--	--	--	129	*	32	196	13
Kaw (KS)	34,318	43	1,378	--	--	--	19	*	9	11	*
Nearman Creek (KS)	131,312	160	--	--	--	--	90	*	--	140	3
Quindaro (KS)	35,759	5	1,872	--	--	--	20	*	24	45	9
Kansas City Power & Light Co	1,414,909	1,568	2,827	--	--	--	903	3	32	1,345	102
Grand Ave (MO)	--	--	--	--	--	--	--	--	--	--	--
Hawthorn (MO)	70,796	--	2,827	--	--	--	47	--	32	157	8
Iaian (MO)	318,657	287	--	--	--	--	183	*	--	366	9
La Cygne (KS)	799,127	1,120	--	--	--	--	521	2	--	611	16
Montrose (MO)	226,329	385	--	--	--	--	152	1	--	211	5
Northeast (MO)	--	-224	--	--	--	--	--	*	--	--	64
Kansas Gas & Electric Co	--	--	21,240	--	--	--	--	--	423	--	257
Evans, Gordon (KS)	--	--	-561	--	--	--	--	--	2	--	74
Gill, Murray (KS)	--	--	21,801	--	--	--	--	--	422	--	183
Kauai Electric Company	--	24,717	--	--	--	--	--	45	--	--	--
Port Allen (HI)	--	24,717	--	--	--	--	--	45	--	--	--
Kaukauna City Of	--	--	--	14,613	--	--	--	--	*	--	*
Combined Locks (WI)	--	--	--	4,594	--	--	--	--	--	--	--
Kaukauna (WI)	--	--	--	--	--	--	--	--	*	--	*
Kaukauna Hydro (WI)	--	--	--	3,200	--	--	--	--	--	--	--
Little Chute (WI)	--	--	--	2,158	--	--	--	--	--	--	--
New Badger (WI)	--	--	--	1,998	--	--	--	--	--	--	--
Old Badger (WI)	--	--	--	1,203	--	--	--	--	--	--	--
Rapide Croche (WI)	--	--	--	1,460	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Kennett Board Of Public Works ..	--	-13	--	--	--	--	--	*	*	--	6
Kennett (MO)	--	-13	--	--	--	--	--	*	*	--	6
Kentucky Power Co (AEP)	682,100	218	--	--	--	--	270	*	--	356	8
Big Sandy (KY)	682,100	218	--	--	--	--	270	*	--	356	8
Kentucky Utilities Company	1,166,662	229	-20	691	--	--	494	2	*	1,170	34
Brown, E W (KY)	266,030	77	--	--	--	--	116	1	--	233	5
Dix Dam (KY)	--	--	--	216	--	--	--	--	--	--	--
Ghent (KY)	832,251	254	--	--	--	--	345	2	--	838	11
Green River (KY)	65,732	8	--	--	--	--	31	*	--	70	1
Haefling (KY)	--	--	-20	--	--	--	--	--	*	--	6
Lock 7 (KY)	--	--	--	475	--	--	--	--	--	--	--
Pineville (KY)	-11	--	--	--	--	--	--	--	--	7	*
Tyrone (KY)	2,660	-110	--	--	--	--	1	*	--	22	11
Kenyon Municipal Utilities	--	--	--	--	--	--	--	--	--	--	--
Kenyon (MN)	--	--	--	--	--	--	--	--	--	--	--
Ketchikan Public Utilities	--	4,120	--	6,911	--	--	--	7	--	--	6
Beaver Falls (AK)	--	--	--	2,301	--	--	--	--	--	--	--
Ketchikan (AK)	--	--	--	805	--	--	--	--	--	--	--
Ketchikan (AK)	--	4,140	--	--	--	--	--	7	--	--	5
Silvis (AK)	--	--	--	287	--	--	--	--	--	--	--
Swan Lake (AK)	--	--	--	3,518	--	--	--	--	--	--	--
Totem Bight (AK)	--	-20	--	--	--	--	--	--	--	--	*
Key West, City Of	--	6,517	--	--	--	--	--	15	--	--	58
Big Pine (FL)	--	48	--	--	--	--	--	*	--	--	1
Cudjoe (FL)	--	162	--	--	--	--	--	*	--	--	2
Key West (FL)	--	53	--	--	--	--	--	*	--	--	16
Stock Island (FL)	--	6,332	--	--	--	--	--	15	--	--	40
Stock Island D 1 (FL)	--	-78	--	--	--	--	--	*	--	--	--
Kimball City Of	--	--	--	--	--	--	--	*	*	--	*
Kimball (NE)	--	--	--	--	--	--	--	*	*	--	*
Kimballton Mun Light Plant	--	--	--	--	--	--	--	--	--	--	--
Kimballton (IA)	--	--	--	--	--	--	--	--	--	--	--
Kingfisher City Of	--	--	--	--	--	--	--	*	--	--	*
Kingfisher (OK)	--	--	--	--	--	--	--	*	--	--	*
Kingman City Of	--	258	2,699	--	--	--	--	1	31	--	1
Kingman (KS)	--	258	2,699	--	--	--	--	1	31	--	1
Kings River Conservation Dist	--	--	--	24,701	--	--	--	--	--	--	--
Pine Flat (CA)	--	--	--	24,701	--	--	--	--	--	--	--
Kissimmee City Of	--	--	-108	--	--	--	--	*	3	--	22
Kissimmee (FL)	--	--	-108	--	--	--	--	*	3	--	22
Kodiak Electric Assn, Inc	--	538	--	10,002	--	--	--	1	--	--	1
Kodiak A (AK)	--	546	--	--	--	--	--	1	--	--	1
Port Lions (AK)	--	-8	--	--	--	--	--	--	--	--	*
Terror Lake AK)	--	--	--	10,002	--	--	--	--	--	--	--
Kotzebue Electric Assn, Inc	--	1,437	--	--	--	--	--	3	--	--	35
Kotzebue (AK)	--	1,437	--	--	--	--	--	3	--	--	35
La Crosse City Of	--	--	--	--	--	--	--	--	--	--	--
Larned (KS)	--	--	--	--	--	--	--	--	--	--	--
La Junta Municipal Utilities	--	-129	--	--	--	--	--	*	*	--	4
La Junta (CO)	--	-129	--	--	--	--	--	*	*	--	4
La Plata Electric Assn, The	--	--	--	--	--	--	--	*	--	--	*
La Plata (MO)	--	--	--	--	--	--	--	*	--	--	*

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
La Porte City Municipal Utilities .. La Porte (IA)	--	9	--	--	--	--	--	*	--	--	*
Lafayette Utility System	--	--	29,306	--	--	--	--	--	339	--	120
Doc Bonin (LA)	--	--	29,352	--	--	--	--	--	339	--	120
Rodemacher (LA)	--	--	-46	--	--	--	--	--	--	--	--
Lake Crystal Mun Utilities Co	--	3	5	--	--	--	--	*	*	--	*
Lake Crystal (MN)	--	3	5	--	--	--	--	*	*	--	*
Lake Lure Elec Pwr Facility	--	--	--	158	--	--	--	--	--	--	--
Lake Lure (NC)	--	--	--	158	--	--	--	--	--	--	--
Lake Mills Mun Light Plant	--	-27	--	--	--	--	--	--	--	--	1
Lake Mills (IA)	--	-27	--	--	--	--	--	--	--	--	1
Lake Park Mun Utilities	--	--	--	--	--	--	--	--	--	--	--
Lake Park (IA)	--	--	--	--	--	--	--	--	--	--	--
Lake Worth Utilities Authority	--	-38	14,459	--	--	--	--	*	169	--	13
Smith, Tom G (FL)	--	-38	14,459	--	--	--	--	*	169	--	13
Lakeland, Cty Of Dpt Of Elec & Wtr	232,934	244	35,901	--	--	--	92	1	377	85	224
Larsen Memorial (FL)	--	-130	17,751	--	--	--	--	*	173	--	75
McIntosh, C D (FL)	232,934	374	18,150	--	--	--	92	1	204	85	149
Lamar Utilities Brd Of	--	--	6,611	--	--	--	--	--	90	--	6
Lamar (CO)	--	--	6,611	--	--	--	--	--	90	--	6
Lamoni Municipal Utilities	--	21	7	--	--	--	--	*	*	--	1
Lamoni (IA)	--	21	7	--	--	--	--	*	*	--	1
Lanesboro Public Utilities	--	--	--	--	--	--	--	--	--	--	--
Lanesboro (MN)	--	--	--	--	--	--	--	--	--	--	--
Lansing Board Of Wtr & Lt	111,267	578	--	196	--	--	48	1	--	143	1
Eckert Station (MI)	63,839	439	--	--	--	--	29	1	--	29	1
Erickson (MI)	47,448	139	--	--	--	--	18	*	--	113	*
Moore's Park (MI)	--	--	--	196	--	--	--	--	--	--	--
Ottawa Street (MI)	--	--	--	--	--	--	--	--	--	--	--
Larned Mun Power Plant	--	--	--	--	--	--	--	--	--	--	4
Larned (KS)	--	--	--	--	--	--	--	--	--	--	--
Larned (KS)	--	--	--	--	--	--	--	--	--	--	4
Larsen Bay City Of	--	--	--	29	--	--	--	--	--	--	--
Larsen (AK)	--	--	--	29	--	--	--	--	--	--	--
Las Animas Mun Lt & Pwr	--	-25	--	--	--	--	--	*	*	--	*
Las Animas (CO)	--	-25	--	--	--	--	--	*	*	--	*
Laurel Mun Power Plant	--	--	--	--	--	--	--	--	--	--	*
Laurel (NE)	--	--	--	--	--	--	--	--	--	--	*
Laurens Mun Lt & Pwr Plant	--	--	--	--	--	--	--	--	--	--	--
Laurens (IA)	--	--	--	--	--	--	--	--	--	--	--
Lee County Elec Coop, Inc	--	--	--	--	--	--	--	--	--	--	--
North Lovington (NM)	--	--	--	--	--	--	--	--	--	--	--
Lebanon City Of	--	--	--	--	--	--	--	--	--	--	1
Lebanon (OH)	--	--	--	--	--	--	--	--	--	--	1
Lenox Municipal Light Plant	--	--	--	--	--	--	--	--	--	--	--
Lenox (IA)	--	--	--	--	--	--	--	--	--	--	--
Lewiston Public Works	--	--	--	270	--	--	--	--	--	--	--
Andro Upper (ME)	--	--	--	270	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Lincoln City Of	--	--	--	--	--	--	--	--	*	--	*
Lincoln (KS)	--	--	--	--	--	--	--	--	*	--	*
Lincoln Electric Sys	--	--	973	--	--	--	--	--	12	--	7
Lincoln J Street (NE)	--	--	--	--	--	--	--	--	--	--	3
Rokeby (NE)	--	--	973	--	--	--	--	--	12	--	5
Lindsay Public Works Authority ..	--	--	--	--	--	--	--	--	--	--	--
Lindsay (OK)	--	--	--	--	--	--	--	--	--	--	--
Litchfield City Of	--	1	--	--	--	--	--	*	--	--	*
Litchfield (MN)	--	1	--	--	--	--	--	*	--	--	*
Lockhart Power Company	--	--	--	3,024	--	--	--	--	--	--	--
Lockhart (SC)	--	--	--	3,024	--	--	--	--	--	--	--
Lodgepole City Of	--	--	--	--	--	--	--	--	--	--	--
Lodgepole (NE)	--	--	--	--	--	--	--	--	--	--	--
Logan City Municipal Elect Lght											
Plt	--	--	--	1,885	--	--	--	*	--	--	1
Logan (UT)	--	--	--	377	--	--	--	--	--	--	--
Logan 2 (UT)	--	--	--	1,508	--	--	--	--	--	--	--
Logon Diesel (UT)	--	--	--	--	--	--	--	*	--	--	1
Logansport Municipal Utilities	13,468	--	--	--	--	--	7	--	--	7	2
Logansport (IN)	13,468	--	--	--	--	--	7	--	--	7	2
Long Island Lighting Company	--	356,519	380,968	--	--	--	--	594	3,964	--	2,000
Barrett, E F (NY)	--	--	196,332	--	--	--	--	--	2,029	--	352
Brookhaven (NY)	--	1,608	--	--	--	--	--	4	--	--	34
East Hampton (NY)	--	-12	--	--	--	--	--	--	--	--	1
Far Rockway (NY)	--	15,684	141	--	--	--	--	28	2	--	7
Glenwood (NY)	--	13	8,890	--	--	--	--	*	118	--	28
Holbrook (NY)	--	113	--	--	--	--	--	1	--	--	102
Montauk (NY)	--	-2	--	--	--	--	--	*	--	--	1
Northport (NY)	--	227,654	175,605	--	--	--	--	378	1,815	--	1,068
Port Jefferson (NY)	--	111,401	--	--	--	--	--	183	--	--	373
Shoreham (NY)	--	-1	--	--	--	--	--	*	--	--	20
Southampton (NY)	--	9	--	--	--	--	--	*	--	--	3
Southold (NY)	--	-7	--	--	--	--	--	--	--	--	2
West Babylon (NY)	--	59	--	--	--	--	--	*	--	--	10
Longmont City Of	--	--	--	380	--	--	--	--	--	--	--
Longmont (CO)	--	--	--	380	--	--	--	--	--	--	--
Los Angeles Dept Of Water And											
Power	1,075,859	3,141	412,243	9,403	--	801	437	3	4,251	1,367	3,027
Big Pine Creek (CA)	--	--	--	685	--	--	--	--	--	--	--
Castaic (CA)	--	--	--	-21,275	--	--	--	--	--	--	--
Control Gorge (CA)	--	--	--	1,246	--	--	--	--	--	--	--
Cottonwood (CA)	--	--	--	397	--	--	--	--	--	--	--
Division Creek (CA)	--	--	--	481	--	--	--	--	--	--	--
Foothill (CA)	--	--	--	1,351	--	--	--	--	--	--	--
Franklin Canyon (CA)	--	--	--	693	--	--	--	--	--	--	--
Haiwee (CA)	--	--	--	-4	--	--	--	--	--	--	--
Harbor (CA)	--	--	-9	--	--	--	--	*	18	--	15
Haynes (CA)	--	--	220,362	--	--	--	--	--	2,274	--	2,168
Intermountain (UT)	1,075,859	3,141	--	--	--	--	437	3	--	1,367	5
Middle Gorge (CA)	--	--	--	1,237	--	--	--	--	--	--	--
Pleasant Valley (CA)	--	--	--	21	--	--	--	--	--	--	--
San Fernando (CA)	--	--	--	2,769	--	--	--	--	--	--	--
San Francisquito 1 (CA)	--	--	--	13,936	--	--	--	--	--	--	--
San Francisquito 2 (CA)	--	--	--	6,863	--	--	--	--	--	--	--
Sawtelle (CA)	--	--	--	237	--	--	--	--	--	--	--
Scattergood (CA)	--	--	193,827	--	--	801	--	--	1,958	--	391
Upper Gorge (CA)	--	--	--	766	--	--	--	--	--	--	--
Valley (CA)	--	--	-1,937	--	--	--	--	--	1	--	447

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Louisiana Power & Light Co											
(MSU)	--	443	933,810	--	783,056	--	--	2	9,688	--	585
Buras (LA)	--	--	--	--	--	--	--	--	--	--	2
Little Gypsy (LA)	--	--	306,566	--	--	--	--	--	3,203	--	133
Monroe (LA)	--	--	--	--	--	--	--	--	--	--	--
Nine Mile Point (LA)	--	62	407,573	--	--	--	--	--	4,121	--	259
Sterlington (LA)	--	--	-37	--	--	--	--	1	1	--	26
Thibodaux (LA)	--	--	--	--	--	--	--	--	--	--	--
Waterford (LA)	--	--	--	--	783,056	--	--	--	--	--	--
Waterford (LA)	--	381	219,708	--	--	--	--	1	2,363	--	164
Louisville Gas & Electric Co	1,006,211	1,898	1,545	39,330	--	--	446	4	16	569	28
Cane Run (KY)	209,561	--	1,070	--	--	--	92	--	11	68	2
Mill Creek (KY)	796,268	1,454	443	--	--	--	353	3	5	310	23
Ohio Falls (KY)	--	--	--	39,330	--	--	--	--	--	--	--
Paddys Run (KY)	--	--	--	--	--	--	--	--	--	--	--
Trimble County (KY)	2,382	444	--	--	--	--	1	1	--	192	3
Waterside (KY)	--	--	32	--	--	--	--	--	1	--	--
Zorn (KY)	--	--	--	--	--	--	--	--	--	--	--
Lowell Light & Power	--	--	--	--	--	--	--	--	--	--	*
Lowell (MI)	--	--	--	--	--	--	--	--	--	--	*
Lower Colorado River Authority .	746,807	1,271	400,344	13,912	--	--	439	3	3,920	459	165
Austin (TX)	--	--	--	1,699	--	--	--	--	--	--	--
Buchanan (TX)	--	--	--	2,038	--	--	--	--	--	--	--
Granite Shoals (TX)	--	--	--	1,987	--	--	--	--	--	--	--
Inks (TX)	--	--	--	1,066	--	--	--	--	--	--	--
Mansfield (TX)	--	--	--	5,858	--	--	--	--	--	--	--
Marble Falls (TX)	--	--	--	1,264	--	--	--	--	--	--	--
Sam K Seymour, Jr (TX)	746,807	1,271	--	--	--	--	439	3	--	459	7
Sim Gideon (TX)	--	--	228,719	--	--	--	--	--	2,226	--	78
T. C. Ferguson (TX)	--	--	171,625	--	--	--	--	--	1,695	--	81
Lower Valley Power & Light, Inc.	--	--	--	1,021	--	--	--	--	--	--	--
Strawberry Creek (WY)	--	--	--	1,021	--	--	--	--	--	--	--
Lubbock City Of (Power & Light Dept)	--	--	47,406	--	--	--	--	--	534	--	11
Holly Ave (TX)	--	--	34,318	--	--	--	--	--	399	--	11
LP&L Co GEN	--	--	13,088	--	--	--	--	--	135	--	--
Plant 2 (TX)	--	--	--	--	--	--	--	--	--	--	--
Luverne City Of	--	--	--	--	--	--	--	--	--	--	--
Luverne (MN)	--	--	--	--	--	--	--	--	--	--	--
Lyndonville Electric Department .	--	--	--	644	--	--	--	--	--	--	--
Great Falls (VT)	--	--	--	452	--	--	--	--	--	--	--
Vail (VT)	--	--	--	192	--	--	--	--	--	--	--
M & A Electric Power Cooperative	--	--	--	--	--	--	--	--	--	--	--
Green Forest (MO)	--	--	--	--	--	--	--	--	--	--	--
Macon Municipal Utilities	--	--	--	--	--	--	--	--	--	--	*
Macon (MO)	--	--	--	--	--	--	--	--	--	--	*
Madelia Mun Lt & Pwr Plant	--	--	--	--	--	--	--	--	--	--	*
Madelia (MN)	--	--	--	--	--	--	--	--	--	--	*
Madison City Of	--	--	--	99	--	--	--	--	--	--	--
Norridgewick (ME)	--	--	--	99	--	--	--	--	--	--	--
Madison Gas & Electric Co	23	--	8,865	--	--	79	*	--	138	15	14
Blount Street (WI)	23	--	8,698	--	--	79	*	--	134	15	3
Fitchburg (WI)	--	--	187	--	--	--	--	--	4	--	5
Nine Springs (WI)	--	--	-11	--	--	--	--	--	--	--	1
Sycamore (WI)	--	--	-9	--	--	--	--	--	--	--	5

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Madison Municipal Utilities	--	--	--	--	--	--	--	--	--	--	--
Madison (MN)	--	--	--	--	--	--	--	--	--	--	--
Maine Public Service Co	--	-81	--	621	--	--	--	*	--	--	11
Caribou (ME)	--	-62	--	627	--	--	--	--	--	--	11
Flos Inn (ME)	--	-13	--	--	--	--	--	--	--	--	*
Houlton (ME)	--	-6	--	--	--	--	--	*	--	--	*
Squa Pan (ME)	--	--	--	-6	--	--	--	--	--	--	--
Maine Yankee Atomic Power											
Company	--	--	--	--	326,559	--	--	--	--	--	--
Maine Yankee (ME)	--	--	--	--	326,559	--	--	--	--	--	--
Malden City Of	--	11	17	--	--	--	--	*	*	--	1
Malden (MO)	--	11	17	--	--	--	--	*	*	--	1
Mangum City Of	--	4	60	--	--	--	--	*	1	--	*
Mangum (OK)	--	4	60	--	--	--	--	*	1	--	*
Manilla Mun Service Dept	--	--	--	--	--	--	--	--	--	--	--
Manilla (IA)	--	--	--	--	--	--	--	--	--	--	--
Manitowoc Public Utilities	18,243	4,820	158	--	--	--	9	*	2	28	1
Manitowoc (WI)	18,243	4,820	158	--	--	--	9	*	2	28	1
Manley Utility Company Inc	--	23	--	--	--	--	--	*	--	--	*
Manley (AK)	--	23	--	--	--	--	--	*	--	--	*
Manning Municipal Light Plant	--	--	--	--	--	--	--	--	--	--	--
Manning (IA)	--	--	--	--	--	--	--	--	--	--	--
Manti City Corp Light & Power											
Dept	--	--	--	565	--	--	--	--	--	--	--
Lower (UT)	--	--	--	105	--	--	--	--	--	--	--
Manti (UT)	--	--	--	480	--	--	--	--	--	--	--
Maquoketa Mun Lt & Pwr	--	2	13	--	--	--	--	*	*	--	1
Maquoketa (IA)	--	2	13	--	--	--	--	*	*	--	1
Marblehead Municipal Light Dept											
Commerce St 2 (MA)	--	--	--	--	--	--	--	--	--	--	1
Wilkins Station (MA)	--	--	--	--	--	--	--	--	--	--	1
Marquette Bd Of Lt & Pwr	18,102	36	--	862	--	--	13	*	--	80	5
Plant Four (MI)	--	--	--	--	--	--	--	--	--	--	4
Plant Two (MI)	--	--	--	673	--	--	--	--	--	--	--
Russell, Frank J (MI)	--	--	--	189	--	--	--	--	--	--	--
Shiras (MI)	18,102	36	--	--	--	--	13	*	--	80	1
Marshall City Wtr & Elec Works ..	--	3	36	68	--	--	--	*	*	--	1
Marshall (MI)	--	3	36	68	--	--	--	*	*	--	1
Marshall Municipal Utilities	--	--	--	--	--	--	--	--	--	--	--
Marshall (MN)	--	--	--	--	--	--	--	--	--	--	--
Marshall Municipal Utilities	-144	1	-25	--	--	--	--	*	--	*	2
Marshall (MO)	-144	1	-25	--	--	--	--	*	--	*	2
Marshfield Electric & Water Dept											
Wildwood (WI)	--	--	--	--	--	--	--	--	--	--	--
Martinsville Electric Department ..	--	--	--	245	--	--	--	--	--	--	--
Martinsville (VA)	--	--	--	245	--	--	--	--	--	--	--
Mascoutah City Of (Pwr & Lt											
Dept)	--	18	--	--	--	--	--	*	--	--	1
Mascoutah (IL)	--	18	--	--	--	--	--	*	--	--	1

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Mass Mun Wholesale Electric											
Company	--	6,367	16,506	--	--	--	--	10	149	--	119
Stonybrook (MA)	--	6,367	16,506	--	--	--	--	10	149	--	119
Maul Electric Co, Ltd	--	73,343	--	--	--	--	--	135	--	--	125
Cook (HI)	--	2,953	--	--	--	--	--	6	--	--	.
Kahului (HI)	--	13,837	--	--	--	--	--	30	--	--	53
Lanai City (HI)	--	1,012	--	--	--	--	--	2	--	--	.
Maialaea (HI)	--	54,328	--	--	--	--	--	94	--	--	71
Miki Basin (HI)	--	1,213	--	--	--	--	--	3	--	--	.
Mcgrath Light & Power Co	--	256	--	--	--	--	--	1	--	--	5
Mcgrath (AK)	--	256	--	--	--	--	--	1	--	--	5
Mcgregor Municipal Utilities	--	--	--	--	--	--	--	--	--	--	1
Mc Gregor (IA)	--	--	--	--	--	--	--	--	--	--	1
McLeansboro City Of	--	14	--	--	--	--	--	.	--	--	.
Mc Leansboro (IL)	--	14	--	--	--	--	--	.	--	--	.
Mcpherson Board Of Public Util ..	--	--	--	--	--	--	--	--	--	--	16
Plant No. 1 (KS)	--	--	--	--	--	--	--	--	--	--	.
Plant No. 2 (KS)	--	--	--	--	--	--	--	--	--	--	16
Meade City Of	--	94	1,024	--	--	--	--	.	11	--	.
Meade (KS)	--	94	1,024	--	--	--	--	.	11	--	.
Medina Electric Coop, Inc	--	--	4,530	--	--	--	--	--	61	--	21
Pearsall (TX)	--	--	4,530	--	--	--	--	--	61	--	21
Melrose Water, Lt & Pwr & Bldg											
Comm	--	--	--	--	--	--	--	--	--	--	--
Melrose (MN)	--	--	--	--	--	--	--	--	--	--	--
Memphis Lt Gas & Wtr Division ...	--	2	--	--	--	--	--	.	--	--	.
Memphis (MO)	--	2	--	--	--	--	--	.	--	--	.
Menasha Electric & Water											
Utilities	--	--	--	--	--	--	--	--	--	3	--
Menasha (WI)	--	--	--	--	--	--	--	--	--	3	--
Merced Irrigation District	--	--	--	37,426	--	--	--	--	--	--	--
Canal Creek (CA)	--	--	--	154	--	--	--	--	--	--	--
Exchequer (CA)	--	--	--	32,475	--	--	--	--	--	--	--
Fairfield (CA)	--	--	--	192	--	--	--	--	--	--	--
Mcswain (CA)	--	--	--	3,999	--	--	--	--	--	--	--
Parker (CA)	--	--	--	606	--	--	--	--	--	--	--
Merrillan Light & Water Dept	--	--	--	25	--	--	--	--	--	--	.
Merrillan (WI)	--	--	--	25	--	--	--	--	--	--	.
Metlakatla Power & Light	--	557	--	1,356	--	--	--	1	--	--	5
Centennial (AK)	--	557	--	--	--	--	--	1	--	--	5
Chester Lake (AK)	--	--	--	432	--	--	--	--	--	--	--
Leffel Turbine (AK)	--	--	--	924	--	--	--	--	--	--	--
Metropolitan Edison Co (GPS)	131,921	2,013	858	10,963	--	--	55	4	12	265	26
Hamilton (PA)	--	--	--	--	--	--	--	--	--	--	3
Hunterstown (PA)	--	1	--	--	--	--	--	.	.	--	2
Mountain (PA)	--	--	673	--	--	--	--	--	9	--	3
Orrtanna (PA)	--	--	--	--	--	--	--	--	--	--	2
Portland (PA)	79,425	694	185	--	--	--	33	1	3	187	8
Shawnee (PA)	--	9	--	--	--	--	--	.	--	--	2
Titus (PA)	52,496	1,066	--	--	--	--	22	2	--	78	4
Tolna (PA)	--	243	--	--	--	--	--	1	--	--	3
Yorkhaven (PA)	--	--	--	10,963	--	--	--	--	--	--	--
Metropolitan Wtr Dist Of So Calif ..	--	--	--	20,760	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Metropolitan Wtr Dist Of So Calif											
Corona (CA)	--	--	--	1,476	--	--	--	--	--	--	--
Coyote Creek (CA)	--	--	--	1,431	--	--	--	--	--	--	--
Foothill Feeder (CA)	--	--	--	5,352	--	--	--	--	--	--	--
Greg Avenue (CA)	--	--	--	--	--	--	--	--	--	--	--
Lake Mathews (CA)	--	--	--	2,532	--	--	--	--	--	--	--
Perris (CA)	--	--	--	--	--	--	--	--	--	--	--
Red Mountain (CA)	--	--	--	186	--	--	--	--	--	--	--
Rio Hondo (CA)	--	--	--	1,038	--	--	--	--	--	--	--
San Dimas (CA)	--	--	--	3,501	--	--	--	--	--	--	--
Sepulv Cyn (CA)	--	--	--	852	--	--	--	--	--	--	--
Temescal (CA)	--	--	--	1,434	--	--	--	--	--	--	--
Valley View (CA)	--	--	--	--	--	--	--	--	--	--	--
Venice (CA)	--	--	--	--	--	--	--	--	--	--	--
Yorba Linda (CA)	--	--	--	2,958	--	--	--	--	--	--	--
Mich So Central Pwr Agency	5,354	22	--	--	--	--	3	*	--	24	7
Project I (MI)	5,354	22	--	--	--	--	3	*	--	24	7
Mid-State Service Company	--	--	--	144	--	--	--	--	--	--	--
Irving (MI)	--	--	--	144	--	--	--	--	--	--	--
Midwest Energy Inc	--	-119	--	--	--	--	--	--	--	--	15
Atwood (KS)	--	-1	--	--	--	--	--	--	--	--	--
Bird City (KS)	--	-14	--	--	--	--	--	--	--	--	*
Colby (KS)	--	-43	--	--	--	--	--	--	--	--	3
Elks (KS)	--	-6	--	--	--	--	--	--	--	--	1
Great Bend (KS)	--	-11	--	--	--	--	--	--	--	--	*
Hays (KS)	--	-18	--	--	--	--	--	--	--	--	--
Hoxie (KS)	--	--	--	--	--	--	--	--	--	--	--
Ross Beach (KS)	--	-24	--	--	--	--	--	--	--	--	11
Wakeney (KS)	--	-2	--	--	--	--	--	--	--	--	*
Midwest Power Co	721,692	2,140	2,908	--	--	--	428	4	39	1,647	65
Council Bluffs (IA)	61,578	662	585	--	--	--	47	1	7	427	9
Electrifiarm (IA)	--	--	796	--	--	--	--	--	13	--	16
Neal, George (IA)	360,114	1,520	1,500	--	--	--	380	3	16	1,221	11
Parr (IA)	--	-13	-12	--	--	--	--	--	--	--	7
Pleasant Hill (IA)	--	-29	--	--	--	--	--	*	--	--	13
River Hills (IA)	--	--	65	--	--	--	--	--	2	--	3
Sycamore (IA)	--	--	-26	--	--	--	--	--	1	--	7
Millford Municipal Utilities	--	--	--	--	--	--	--	--	--	--	--
Millford (IA)	--	--	--	--	--	--	--	--	--	--	--
Minden City Of	--	--	--	--	--	--	--	--	--	--	*
Minden (LA)	--	--	--	--	--	--	--	--	--	--	*
Minneapolis City Of	--	1	19	--	--	--	--	*	*	--	*
Minneapolis (KS)	--	1	19	--	--	--	--	*	*	--	*
Minnesota Power & Light Co	455,896	1,098	--	46,597	--	--	350	3	--	308	4
Aurora (MN)	32,125	245	--	--	--	--	21	*	--	73	*
Blanchard (MN)	--	--	--	9,202	--	--	--	--	--	--	--
Boswell, Clay (MN)	423,771	853	--	--	--	--	329	2	--	236	3
Fond Du Lac (MN)	--	--	--	4,698	--	--	--	--	--	--	--
Hibbard, M L (MN)	--	--	--	--	--	--	--	--	--	--	--
Knife Falls (MN)	--	--	--	846	--	--	--	--	--	--	--
Little Falls (MN)	--	--	--	3,265	--	--	--	--	--	--	--
Pillager (MN)	--	--	--	1,056	--	--	--	--	--	--	--
Prairie River (MN)	--	--	--	230	--	--	--	--	--	--	--
Scanlon (MN)	--	--	--	882	--	--	--	--	--	--	--
Sylvan (MN)	--	--	--	1,082	--	--	--	--	--	--	--
Thompson (MN)	--	--	--	23,646	--	--	--	--	--	--	--
Winton (MN)	--	--	--	1,690	--	--	--	--	--	--	--
Minnkota Power Coop, Inc	426,406	1,625	--	--	--	--	396	3	--	566	5
Grand Forks (ND)	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Minnkota Power Coop, Inc											
Harwood (ND)	--	--	--	--	--	--	--	--	--	--	--
Hawley (MN)	--	--	--	--	--	--	--	--	--	--	--
Young, Milton R (ND)	426,406	1,625	--	--	--	--	396	3	--	566	5
Mission Valley Power	--	--	--	170	--	--	--	--	--	--	--
Heliroaring (MT)	--	--	--	170	--	--	--	--	--	--	--
Mississippi Power & Light Co											
(MSU)	--	569,666	202,987	--	--	--	--	863	2,069	--	695
Andrus (MS)	--	456,951	--	--	--	--	--	686	--	--	379
Brown, Rex (MS)	--	9	43,602	--	--	--	--	--	490	--	36
Delta (MS)	--	--	1,719	--	--	--	--	--	26	--	46
Natchez (MS)	--	--	--	--	--	--	--	--	--	--	3
Wilson, B (MS)	--	112,706	157,666	--	--	--	--	177	1,553	--	231
Mississippi Power Co (SC)	566,426	569	100,089	--	--	--	205	1	1,640	144	73
Daniel, Victor J Jr. (MS)	189,885	565	--	--	--	--	84	1	--	92	4
Eaton (MS)	--	--	--	--	--	--	--	--	3	--	10
Standard Oil (MS)	--	--	48,591	--	--	--	--	--	1,215	--	--
Sweatt (MS)	--	--	313	--	--	--	--	--	6	--	33
Watson (MS)	376,541	4	51,185	--	--	--	122	*	416	52	26
Missouri Basin Mun Power											
Agency	--	--	--	--	--	--	--	--	--	--	--
Watertown (SD)	--	--	--	--	--	--	--	--	--	--	--
Modesto Irrigation Dist	--	--	118	523	--	--	--	--	9	--	17
McClure (CA)	--	--	--	--	--	--	--	--	--	--	17
New Hogan (CA)	--	--	--	405	--	--	--	--	--	--	--
Stone Drop (CA)	--	--	--	118	--	--	--	--	--	--	--
Woodland (CA)	--	--	118	--	--	--	--	--	9	--	--
Monongahela Power Co (APS)	2,102,526	5,221	397	--	--	--	835	9	4	1,558	18
Albright (WV)	73,753	344	--	--	--	--	33	1	--	93	1
Fort Martin (WV)	633,796	1,486	--	--	--	--	239	2	--	546	4
Harrison (WV)	619,016	--	397	--	--	--	235	--	4	308	3
Pleasants (WV)	731,125	3,238	--	--	--	--	305	6	--	504	9
Rivesville (WV)	386	21	--	--	--	--	2	1	--	29	1
Willow Island (WV)	44,450	132	--	--	--	--	21	*	--	78	*
Monroe City Of	--	7	5	--	--	--	--	*	*	--	1
Monroe (MO)	--	7	5	--	--	--	--	*	*	--	1
Monroe Power And Light Dept	--	--	--	261	--	--	--	--	--	--	--
Lower (UT)	--	--	--	110	--	--	--	--	--	--	--
Mon Pump St (UT)	--	--	--	11	--	--	--	--	--	--	--
Monroe Upr (UT)	--	--	--	140	--	--	--	--	--	--	--
Montana Power Company, The	1,278,437	3,025	448	305,713	--	--	796	5	5	783	6
Black Eagle (MT)	--	--	--	9,242	--	--	--	--	--	--	--
Cochrane (MT)	--	--	--	31,551	--	--	--	--	--	--	--
Colstrip (MT)	1,176,490	3,009	--	--	--	--	733	6	--	725	6
Corette, J E (MT)	101,947	--	448	--	--	--	64	--	5	58	--
Frank Bird (MT)	--	--	--	--	--	--	--	--	--	--	--
Hauser Lake (MT)	--	--	--	12,357	--	--	--	--	--	--	--
Holter (MT)	--	--	--	29,115	--	--	--	--	--	--	--
Kerr (MT)	--	--	--	83,549	--	--	--	--	--	--	--
Lake Diesel (MT)	--	--	--	--	--	--	--	--	--	--	--
Madison (MT)	--	--	--	5,551	--	--	--	--	--	--	--
Milltown (MT)	--	--	--	2,027	--	--	--	--	--	--	--
Morony (MT)	--	--	--	33,390	--	--	--	--	--	--	--
Mystic Lake (MT)	--	--	--	4,444	--	--	--	--	--	--	--
Rainbow (MT)	--	--	--	24,443	--	--	--	--	--	--	--
Ryan (MT)	--	--	--	40,941	--	--	--	--	--	--	--
Thompson Falls (MT)	--	--	--	29,103	--	--	--	--	--	--	--
Yellowstone (MT)	--	16	--	--	--	--	--	*	--	--	1

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Montana-Dakota Utilities Co	338,192	294	1,125	--	--	--	278	1	15	277	7
Coyote (ND)	282,012	294	--	--	--	--	224	1	--	228	3
Glendive (MT)	--	--	954	--	--	--	--	--	12	--	2
Heslett (ND)	33,335	--	--	--	--	--	31	--	*	36	--
Lewis & Clark (MT)	22,845	--	61	--	--	--	23	--	1	12	--
Miles City (MT)	--	--	117	--	--	--	--	--	2	--	1
Williston (ND)	--	--	-7	--	--	--	--	--	--	--	--
Montaup Electric Co (EU)	53,946	4,164	--	--	--	--	22	7	--	74	83
Somerset (MA)	53,946	4,164	--	--	--	--	22	7	--	74	83
Montezuma Mun Elec Lt & Pwr	--	--	--	--	--	--	--	--	--	--	*
Montezuma (IA)	--	--	--	--	--	--	--	--	--	--	*
Moon Lake Electric Assn, Inc	--	--	--	1,274	--	--	--	--	--	--	--
Uintah (UT)	--	--	--	801	--	--	--	--	--	--	--
Yellowstone (UT)	--	--	--	473	--	--	--	--	--	--	--
Moorhead Public Service Dept	--	--	--	--	--	--	--	*	--	2	*
Moorhead (MN)	--	--	--	--	--	--	--	*	--	2	*
Moose Lake Public Util Comm	--	6	--	--	--	--	--	*	--	--	*
Moose Lake (MN)	--	6	--	--	--	--	--	*	--	--	*
Mora Municipal Electric Utility	--	--	--	--	--	--	--	--	--	--	--
Mora (MN)	--	--	--	--	--	--	--	--	--	--	--
Morgan City City Of	--	--	2,290	--	--	--	--	--	33	--	--
Morgan City (LA)	--	--	2,290	--	--	--	--	--	33	--	--
Morrisville Water & Light Dept	--	--	--	1,339	--	--	--	--	--	--	--
Cadys Falls (VT)	--	--	--	539	--	--	--	--	--	--	--
Morrisville (VT)	--	--	--	702	--	--	--	--	--	--	--
W K Sanders (VT)	--	--	--	98	--	--	--	--	--	--	--
Mount Pleasant Mun Utile	--	2	--	--	--	--	--	*	--	--	*
Mt Pleasant (IA)	--	2	--	--	--	--	--	*	--	--	*
Mount Pleasant Municipal	--	--	--	489	--	--	--	--	--	--	--
Lower (UT)	--	--	--	74	--	--	--	--	--	--	--
Unit 3 (UT)	--	--	--	73	--	--	--	--	--	--	--
Unit 4 (UT)	--	--	--	230	--	--	--	--	--	--	--
Upper (UT)	--	--	--	112	--	--	--	--	--	--	--
Mountain Lake Municipal Util	--	--	--	--	--	--	--	--	--	--	--
Mountain Lake (MN)	--	--	--	--	--	--	--	--	--	--	--
Mullen, Village Of	--	--	--	--	--	--	--	--	--	--	*
Mullen (NE)	--	--	--	--	--	--	--	--	--	--	*
Mulvane City Of	--	--	--	--	--	--	--	--	--	--	*
Mulvane (KS)	--	--	--	--	--	--	--	--	--	--	*
Murray City Corporation	--	9	27	478	--	--	--	*	*	--	*
Diesel (UT)	--	9	27	--	--	--	--	*	*	--	*
Little Cottonwood (UT)	--	--	--	478	--	--	--	--	--	--	--
Muscataine City Of	86,182	44	262	--	--	--	56	*	3	202	2
Muscataine (IA)	86,182	44	262	--	--	--	56	*	3	202	2
Muscoda Light & Water Comm	--	--	--	--	--	--	--	--	--	--	--
Muscoda (WI)	--	--	--	--	--	--	--	--	--	--	--
Naknek Electric Assn, Inc	--	1,539	--	--	--	--	--	2	--	--	32
Naknek (AK)	--	1,539	--	--	--	--	--	2	--	--	32
Nantahala Power & Light Co	--	--	--	37,230	--	--	--	--	--	--	--
Bear Creek (NC)	--	--	--	3,383	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbbls)
Nantahala Power & Light Co											
Bryson (NC)	--	--	--	15	--	--	--	--	--	--	--
Cedar Cliff (NC)	--	--	--	1,654	--	--	--	--	--	--	--
Dillsboro (NC)	--	--	--	26	--	--	--	--	--	--	--
Franklin (NC)	--	--	--	--	--	--	--	--	--	--	--
Mission (NC)	--	--	--	339	--	--	--	--	--	--	--
Nantahala (NC)	--	--	--	18,508	--	--	--	--	--	--	--
Queens Creek (NC)	--	--	--	90	--	--	--	--	--	--	--
Tennessee Creek (NC)	--	--	--	588	--	--	--	--	--	--	--
Thorpe (NC)	--	--	--	11,445	--	--	--	--	--	--	--
Tuckasegee (NC)	--	--	--	1,182	--	--	--	--	--	--	--
Nantucket Electric Company	--	6,954	--	--	--	--	--	13	--	--	9
Nantucket (MA)	--	6,954	--	--	--	--	--	13	--	--	9
Natchitoches City Of	--	--	--	--	--	--	--	--	--	--	--
Natchitoches (LA)	--	--	--	--	--	--	--	--	--	--	--
National Hydro	--	--	--	966	--	--	--	--	--	--	--
Dayton (IL)	--	--	--	966	--	--	--	--	--	--	--
Nebraska City Utilities	--	48	756	--	--	--	--	*	9	--	--
Nebraska City (NE)	--	43	683	--	--	--	--	*	8	--	--
Syracuse No 2 (NE)	--	5	73	--	--	--	--	*	1	--	--
Nebraska Public Power District ...	625,184	231	2,502	25,950	570,530	325	371	*	29	632	18
Columbus (NE)	--	--	--	13,406	--	--	--	--	--	--	--
Cooper (NE)	--	--	--	--	570,530	--	--	--	--	--	--
David City (NE)	--	2	5	--	--	--	--	*	*	--	*
Gentleman (NE)	541,594	--	1,842	--	--	--	318	--	20	473	7
Hallam (NE)	--	--	539	--	--	--	--	--	7	--	3
Hebron (NE)	--	90	--	--	--	--	--	*	--	--	3
Kearney (NE)	--	--	--	--	--	--	--	--	--	--	--
Lyons (NE)	--	3	--	--	--	--	--	*	--	--	*
Madison (NE)	--	3	5	--	--	--	--	*	--	--	*
Mc Cook (NE)	--	105	--	--	--	--	--	*	--	--	3
Minnechadua (NE)	--	--	--	1	--	--	--	--	--	--	--
Mobile (NE)	--	--	--	--	--	--	--	--	--	--	--
Monroe (NE)	--	--	--	2,141	--	--	--	--	--	--	--
North Platte (NE)	--	--	--	9,589	--	--	--	--	--	--	--
Ord (NE)	--	19	14	--	--	--	--	*	--	--	*
Schuyler (NE)	--	--	71	--	--	--	--	--	1	--	*
Sheldon (NE)	83,590	--	20	--	--	325	53	--	*	159	--
Spencer (NE)	--	--	--	813	--	--	--	--	--	--	--
Sutherland (NE)	--	7	--	--	--	--	--	--	--	--	--
Wakefield (NE)	--	--	6	--	--	--	--	--	*	--	*
Neodesha City Of	--	2	21	--	--	--	--	*	*	--	*
Neodesha (KS)	--	2	21	--	--	--	--	*	*	--	*
Nevada Irrigation District	--	--	--	834	--	--	--	--	--	--	--
Combie No (CA)	--	--	--	71	--	--	--	--	--	--	--
Combie So (CA)	--	--	--	308	--	--	--	--	--	--	--
Scott Flat (CA)	--	--	--	455	--	--	--	--	--	--	--
Nevada Irrigation District	--	--	--	34,579	--	--	--	--	--	--	--
Bowman (CA)	--	--	--	1,075	--	--	--	--	--	--	--
Chicago Park (CA)	--	--	--	16,102	--	--	--	--	--	--	--
Dutch Flat No.2 (CA)	--	--	--	12,999	--	--	--	--	--	--	--
Rollins (CA)	--	--	--	4,403	--	--	--	--	--	--	--
Nevada Power Company	287,957	424	18,891	--	--	--	134	1	200	254	92
Clark (NV)	--	--	16,589	--	--	--	--	--	172	--	52
Gardner, Reid (NV)	287,957	424	--	--	--	--	134	1	--	254	7
Sun Peak (NV)	--	--	2,302	--	--	--	--	--	28	--	--
Sunrise (NV)	--	--	--	--	--	--	--	--	*	--	33
New England Power Co (NEES) ...	844,666	308,829	1,910	78,354	--	--	301	553	22	398	862

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
New England Power Co (NEES)											
Bear Swamp (MA)	--	--	--	-13,877	--	--	--	--	--	--	--
Bellows Falls (VT)	--	--	--	15,155	--	--	--	--	--	--	--
Brayton Point (MA)	702,670	130,245	1,910	--	--	--	251	229	22	288	531
Cornford (NH)	--	--	--	19,092	--	--	--	--	--	--	--
Deerfield No. 2 (MA)	--	--	--	999	--	--	--	--	--	--	--
Deerfield No. 3 (MA)	--	--	--	1,539	--	--	--	--	--	--	--
Deerfield No. 4 (MA)	--	--	--	1,403	--	--	--	--	--	--	--
Deerfield No. 5 (MA)	--	--	--	3,283	--	--	--	--	--	--	--
Fife Brook (MA)	--	--	--	1,742	--	--	--	--	--	--	--
Gloucester (MA)	--	64	--	--	--	--	--	*	--	--	2
Harriman (VT)	--	--	--	6,073	--	--	--	--	--	--	--
Manchester Street (RI)	--	--	--	--	--	--	--	--	--	--	--
McIndoes (NH)	--	--	--	4,074	--	--	--	--	--	--	--
Moore (NH)	--	--	--	16,385	--	--	--	--	--	--	--
Newburyport (MA)	--	40	--	--	--	--	--	*	--	--	1
Salem Harbor (MA)	141,996	178,480	--	--	--	--	51	324	--	110	328
Searsburg (VT)	--	--	--	2,133	--	--	--	--	--	--	--
Sherman (MA)	--	--	--	1,587	--	--	--	--	--	--	--
South Street (RI)	--	--	--	--	--	--	--	--	--	--	--
Vernon (NH)	--	--	--	3,600	--	--	--	--	--	--	--
Vernon (VT)	--	--	--	4,473	--	--	--	--	--	--	--
Wilder (NH)	--	--	--	10,693	--	--	--	--	--	--	--
Wilder (VT)	--	--	--	--	--	--	--	--	--	--	--
New Hampton Mun Light Plant											
New Hampton (IA)	--	--	--	--	--	--	--	--	--	--	*
New Lisbon Mun Electric Dept											
New Lisbon (WI)	--	1	1	--	--	--	--	*	*	--	1
New Orleans Public Service											
(MSU)	--	162	289,727	--	--	--	--	*	3,138	--	141
Michoud (LA)	--	161	289,727	--	--	--	--	*	3,138	--	138
Paterson, A B (LA)	--	1	--	--	--	--	--	*	--	--	3
New Prague Mun Utils Comm											
New Prague (MN)	--	--	--	--	--	--	--	--	--	--	*
New Roads Light & Water Plant ..											
New Roads (LA)	--	1	15	--	--	--	--	*	*	--	1
New Smyrna Beach City Of											
Causeway (FL)	--	-21	20	--	--	--	--	*	*	--	2
Glencoe Road (FL)	--	--	--	--	--	--	--	--	--	--	--
New Smyra (FL)	--	-23	--	--	--	--	--	*	--	--	1
W E Swoope (FL)	--	2	20	--	--	--	--	*	*	--	1
New Ulm Pub Utils Comm											
New Ulm (MN)	--	80	1,554	--	--	--	--	*	46	3	4
New York State Elec & Gas Corp											
Cadyville (NY)	751,845	1,784	--	21,330	--	943	311	3	--	633	8
Goudey (NY)	--	--	--	1,243	--	--	--	--	--	--	--
Greenidge (NY)	68,536	111	--	--	--	--	32	*	--	65	1
Harris Lake (NY)	66,475	96	--	--	--	--	25	*	--	117	1
Hickling (NY)	34,435	3	--	--	--	--	23	--	--	60	--
High Falls (NY)	--	--	--	7,868	--	--	--	--	--	--	--
Jennison (NY)	31,275	--	--	--	--	943	23	--	--	38	--
Kents Falls (NY)	--	--	--	3,896	--	--	--	--	--	--	--
Keuka (NY)	--	--	--	--	--	--	--	--	--	--	--
Mechanicville (NY)	--	--	--	4,662	--	--	--	--	--	--	--
Mill "C" (NY)	--	--	--	2,193	--	--	--	--	--	--	--
Milliken (NY)	197,757	334	--	--	--	--	72	1	--	99	2
Rainbow Falls (NY)	--	--	--	1,436	--	--	--	--	--	--	--
Seneca Falls (NY)	--	--	--	15	--	--	--	--	--	--	--
Somerset (NY)	353,367	1,240	--	--	--	--	136	2	--	254	3
Waterloo (NY)	--	--	--	17	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Newberry Wtr & Lt Board	--	--	--	--	--	--	--	--	--	--	*
Newberry (MI)	--	--	--	--	--	--	--	--	--	--	*
Newport Electric Corporation	--	-8	--	--	--	--	--	*	--	--	2
Eldred (RI)	--	6	--	--	--	--	--	*	--	--	1
Jepson (RI)	--	-14	--	--	--	--	--	*	--	--	1
Niagara Mohawk Power Corp	615,451	134,603	38,210	214,459	455,443	--	235	238	439	196	1,014
Albany (NY)	--	3,476	36,276	--	--	--	--	7	419	--	336
Allens Falls (NY)	--	--	--	2,057	--	--	--	--	--	--	--
Bakers Falls (NY)	--	--	--	--	--	--	--	--	--	--	--
Baldwinsville (NY)	--	--	--	-3	--	--	--	--	--	--	--
Beardslee (NY)	--	--	--	3,903	--	--	--	--	--	--	--
Beebe Island (NY)	--	--	--	2,952	--	--	--	--	--	--	--
Belfort (NY)	--	--	--	577	--	--	--	--	--	--	--
Bennetts Bridge (NY)	--	--	--	9,104	--	--	--	--	--	--	--
Black River (NY)	--	--	--	4,003	--	--	--	--	--	--	--
Blake (NY)	--	--	--	4,196	--	--	--	--	--	--	--
Browns Falls (NY)	--	--	--	5,549	--	--	--	--	--	--	--
Chasm (NY)	--	--	--	2,099	--	--	--	--	--	--	--
Colton (NY)	--	--	--	18,533	--	--	--	--	--	--	--
Deferiet (NY)	--	--	--	6,329	--	--	--	--	--	--	--
Dunkirk (NY)	292,848	409	--	--	--	--	111	1	--	62	1
Eagle (NY)	--	--	--	1,968	--	--	--	--	--	--	--
East Norfolk (NY)	--	--	--	-13	--	--	--	--	--	--	--
Eel Weir (NY)	--	--	--	696	--	--	--	--	--	--	--
Effley (NY)	--	--	--	950	--	--	--	--	--	--	--
Elmer (NY)	--	--	--	498	--	--	--	--	--	--	--
Ephratah (NY)	--	--	--	1,286	--	--	--	--	--	--	--
Feeder Dam (NY)	--	--	--	1,819	--	--	--	--	--	--	--
Five Falls (NY)	--	--	--	7,025	--	--	--	--	--	--	--
Fiat Rock (NY)	--	--	--	1,282	--	--	--	--	--	--	--
Franklin (NY)	--	--	--	255	--	--	--	--	--	--	--
Fulton (NY)	--	--	--	376	--	--	--	--	--	--	--
Glenwood (NY)	--	--	--	444	--	--	--	--	--	--	--
Granby (NY)	--	--	--	2,122	--	--	--	--	--	--	--
Green Island (NY)	--	--	--	2,966	--	--	--	--	--	--	--
Hannawa (NY)	--	--	--	4,676	--	--	--	--	--	--	--
Herrings (NY)	--	--	--	2,577	--	--	--	--	--	--	--
Heuvelton (NY)	--	--	--	572	--	--	--	--	--	--	--
High Dam (NY)	--	--	--	2,108	--	--	--	--	--	--	--
High Falls (NY)	--	--	--	2,036	--	--	--	--	--	--	--
Higley (NY)	--	--	--	2,431	--	--	--	--	--	--	--
Hogansburg (NY)	--	--	--	210	--	--	--	--	--	--	--
Huntley, C R (NY)	322,603	264	--	--	--	--	124	*	--	134	1
Hydraulic Race (NY)	--	--	--	1,701	--	--	--	--	--	--	--
Inghams (NY)	--	--	--	2,606	--	--	--	--	--	--	--
Johnsonville (NY)	--	--	--	551	--	--	--	--	--	--	--
Kamargo (NY)	--	--	--	2,262	--	--	--	--	--	--	--
Lighthouse Hill (NY)	--	--	--	2,285	--	--	--	--	--	--	--
Macomb (NY)	--	--	--	547	--	--	--	--	--	--	--
Minetto (NY)	--	--	--	2,055	--	--	--	--	--	--	--
Moreau (NY)	--	--	--	268	--	--	--	--	--	--	--
Moshier (N.Y.)	--	--	--	1,769	--	--	--	--	--	--	--
Nine Mile Point (NY)	--	7	--	--	455,443	--	--	*	--	--	2
Norfolk (NY)	--	--	--	2,602	--	--	--	--	--	--	--
Norwood (NY)	--	--	--	1,408	--	--	--	--	--	--	--
Oak Orchard (NY)	--	--	--	164	--	--	--	--	--	--	--
Oswegatchie (NY)	--	--	--	--	--	--	--	--	--	--	--
Oswego (NY)	--	130,447	1,934	--	--	--	--	230	21	--	673
Oswego Falls Es (NY)	--	--	--	2,103	--	--	--	--	--	--	--
Oswego Falls Ws (NY)	--	--	--	84	--	--	--	--	--	--	--
Parishville (NY)	--	--	--	1,601	--	--	--	--	--	--	--
Piercefield (NY)	--	--	--	1,384	--	--	--	--	--	--	--
Prospect (NY)	--	--	--	5,821	--	--	--	--	--	--	--
Rainbow (NY)	--	--	--	6,923	--	--	--	--	--	--	--
Raymondville (NY)	--	--	--	1,272	--	--	--	--	--	--	--
Schaghticoke (NY)	--	--	--	2,720	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Niagara Mohawk Power Corp											
School Street (NY)	--	--	--	11,013	--	--	--	--	--	--	--
Schuylerville (NY)	--	--	--	-7	--	--	--	--	--	--	--
Sewalls (NY)	--	--	--	1,223	--	--	--	--	--	--	--
Sherman Island (NY)	--	--	--	9,369	--	--	--	--	--	--	--
So Glens Falls (NY)	--	--	--	--	--	--	--	--	--	--	--
Soft Maple (NY)	--	--	--	1,745	--	--	--	--	--	--	--
South Colton (NY)	--	--	--	5,600	--	--	--	--	--	--	--
South Edwards (NY)	--	--	--	1,783	--	--	--	--	--	--	--
Spier Falls (NY)	--	--	--	10,116	--	--	--	--	--	--	--
Stark (NY)	--	--	--	8,444	--	--	--	--	--	--	--
Stewarts Bridge (NY)	--	--	--	8,441	--	--	--	--	--	--	--
Stuyvesant Falls (NY)	--	--	--	5	--	--	--	--	--	--	--
Sugar Island (NY)	--	--	--	2,867	--	--	--	--	--	--	--
Taylorville (NY)	--	--	--	1,645	--	--	--	--	--	--	--
Trenton (NY)	--	--	--	11,607	--	--	--	--	--	--	--
Varick (NY)	--	--	--	1,657	--	--	--	--	--	--	--
Waterport (NY)	--	--	--	720	--	--	--	--	--	--	--
West, E J (NY)	--	--	--	4,173	--	--	--	--	--	--	--
Yaleville (NY)	--	--	--	349	--	--	--	--	--	--	--
Niles Board Of Public Works	--	--	--	--	--	--	--	--	--	--	--
Niles (MI)	--	--	--	--	--	--	--	--	--	--	--
Nodak Rural Elec Coop Inc	--	--	--	--	--	--	--	--	--	--	--
Mobile (ND)	--	--	--	--	--	--	--	--	--	--	--
Nome Light And Power Utilities ..	--	3,080	--	--	--	--	--	5	--	--	*
Snake River (AK)	--	3,080	--	--	--	--	--	5	--	--	*
North American Hydro Inc	--	--	--	--	--	--	--	--	--	--	--
Wautoma (WI)	--	--	--	--	--	--	--	--	--	--	--
North Branch Lt & Pwr Comm	--	--	--	--	--	--	--	--	--	--	--
North Branch (MN)	--	--	--	--	--	--	--	--	--	--	--
North Central Power Co Inc	--	1	--	949	--	--	--	*	--	--	*
Arpin (WI)	--	--	--	649	--	--	--	--	--	--	--
Radisson (WI)	--	1	--	118	--	--	--	*	--	--	*
Winter (WI)	--	--	--	182	--	--	--	--	--	--	--
North Little Rock City Of	--	--	--	11,748	--	--	--	--	--	--	--
Murray (AR)	--	--	--	11,748	--	--	--	--	--	--	--
Northeast Missouri Elec Pwr											
Coop	--	--	--	--	--	--	--	--	--	--	--
South River Station (MO)	--	--	--	--	--	--	--	--	--	--	--
Northeast Nuclear Energy Co	--	--	--	--	751,434	--	--	--	--	--	--
Millstone (CT)	--	--	--	--	751,434	--	--	--	--	--	--
Northern Indiana Public Serv Co .	1,141,567	--	25,625	2,925	--	--	579	--	278	648	--
Bailly (IN)	163,691	--	6,949	--	--	--	79	--	73	157	--
Michigan City (IN)	282,235	--	6,938	--	--	--	146	--	72	65	--
Mitchell, Dean H (IN)	121,264	--	3,819	--	--	--	69	--	41	90	--
Norway (IN)	--	--	--	2,820	--	--	--	--	--	--	--
Oakdale (IN)	--	--	--	105	--	--	--	--	--	--	--
Schahfer, R. M. (IN)	574,377	--	7,919	--	--	--	286	--	91	336	--
Northern States Power Co	1,713,086	39,667	4,631	63,843	1,112,256	36,212	1,112	1	59	925	143
Apple River (WI)	--	--	--	1,348	--	--	--	--	--	--	--
Bay Front (WI)	2,371	--	75	--	--	11,941	2	--	1	4	--
Big Falls (WI)	--	--	--	2,741	--	--	--	--	--	--	--
Black Dog (MN)	116,382	--	1,571	--	--	--	74	--	17	126	*
Blue Lake (MN)	--	-129	--	--	--	--	--	*	--	--	12
Cedar Falls (WI)	--	--	--	2,706	--	--	--	--	--	--	--
Chippewa Falls (WI)	--	--	--	4,126	--	--	--	--	--	--	--
Cornell (WI)	--	--	--	5,444	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Northern States Power Co											
Dells (WI)	--	--	--	3,682	--	--	--	--	--	--	--
Flambeau (WI)	--	--	-24	--	--	--	--	--	*	--	4
French Island (WI)	--	-56	2	--	--	5,675	--	*	--	--	25
Granite City (MN)	--	--	-37	--	--	--	--	--	2	--	4
Hayward (WI)	--	--	--	143	--	--	--	--	--	--	--
Hennepin Island (MN)	--	--	--	7,038	--	--	--	--	--	--	--
High Bridge (MN)	83,235	--	2,143	--	--	--	57	--	24	2	9
Holcombe (WI)	--	--	--	5,887	--	--	--	--	--	--	--
Holland (MN)	--	--	--	--	--	19	--	--	--	--	--
Inver Hills (MN)	--	-67	--	--	--	--	--	*	--	--	43
Jim Falls (WI)	--	--	--	8,032	--	--	--	--	--	--	--
Key City (MN)	--	--	-33	--	--	--	--	--	*	--	3
King (MN)	205,283	30,178	285	--	--	1,586	112	--	3	82	--
Ladysmith (WI)	--	--	--	828	--	--	--	--	--	--	--
Menomonie (WI)	--	--	--	1,857	--	--	--	--	--	--	--
Minnesota Valley (MN)	7,845	20	162	--	--	--	5	*	2	27	*
Monticello (MN)	--	--	--	--	388,580	--	--	--	--	--	--
Pathfinder (SD)	--	--	-121	--	--	--	--	--	--	--	--
Prairie Island (MN)	--	--	--	--	723,676	--	--	--	--	--	--
Redwing (MN)	--	--	121	--	--	9,084	--	--	2	--	--
Riverdale (WI)	--	--	--	260	--	--	--	--	--	--	--
Riverside (MN)	161,890	9,680	442	--	--	--	97	*	5	34	3
Saxon Falls (MI)	--	--	--	765	--	--	--	--	--	--	--
Sherburne County (MN)	1,136,080	190	--	--	--	--	784	--	--	650	3
St Croix Falls (WI)	--	--	--	7,597	--	--	--	--	--	--	--
Superior Falls (MI)	--	--	--	828	--	--	--	--	--	--	--
Thornapple (WI)	--	--	--	762	--	--	--	--	--	--	--
Trego (WI)	--	--	--	454	--	--	--	--	--	--	--
West Faribault (MN)	--	--	-18	--	--	--	--	--	--	--	--
Wheaton (WI)	--	-149	--	--	--	--	--	*	--	--	37
White River (WI)	--	--	--	326	--	--	--	--	--	--	--
Wilmarth (MN)	--	--	61	--	--	7,907	--	--	1	--	--
Wissota (WI)	--	--	--	9,019	--	--	--	--	--	--	--
Northway Power & Light Inc											
Northway (AK)	--	--	--	--	--	--	--	--	--	--	--
Northwestern Public Service											
Company	--	-13	59	--	--	--	--	*	1	--	17
Aberdeen (SD)	--	-15	--	--	--	--	--	--	--	--	8
Clark (SD)	--	-7	--	--	--	--	--	*	--	--	*
Faulkton (SD)	--	-4	--	--	--	--	--	*	--	--	*
Highmore (SD)	--	-5	--	--	--	--	--	*	--	--	*
Huron (SD)	--	-33	--	--	--	--	--	--	--	--	7
Mobile (SD)	--	-5	--	--	--	--	--	--	--	--	*
Redfield (SD)	--	-4	-8	--	--	--	--	*	*	--	*
Webster (SD)	--	-6	--	--	--	--	--	*	--	--	*
Yankton New (SD)	--	66	67	--	--	--	--	*	1	--	1
Northwestern Wisconsin Elec Co											
Black Brook (WI)	--	-24	--	795	--	--	--	--	--	--	1
Clam Falls (WI)	--	--	--	122	--	--	--	--	--	--	--
Clam River Dam (WI)	--	--	--	22	--	--	--	--	--	--	--
Danbury (WI)	--	--	--	397	--	--	--	--	--	--	--
Frederic (WI)	--	-17	--	25	--	--	--	--	--	--	1
Grantsburg (WI)	--	-5	--	--	--	--	--	--	--	--	*
	--	-2	--	--	--	--	--	--	--	--	1
Northwood City Of Mun Lt & Pwr											
Northwood (ND)	--	--	--	--	--	--	--	--	--	--	--
Norton City Of											
Norton (KS)	--	218	24	--	--	--	--	*	*	--	1
	--	218	24	--	--	--	--	*	*	--	1
Norway Electric Light Dept											
Norway (MI)	--	--	--	1,962	--	--	--	--	--	--	--
	--	--	--	1,962	--	--	--	--	--	--	--
Norwich Dept Of Pub Utils											
	--	--	--	341	--	--	--	--	--	--	1

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Norwich Dept Of Pub Utls											
North Main (CT)	--	--	--	--	--	--	--	--	--	--	1
Occum (CT)	--	--	--	21	--	--	--	--	--	--	--
10Th Street (CT)	--	--	--	193	--	--	--	--	--	--	--
2Nd Street (CT)	--	--	--	127	--	--	--	--	--	--	--
Nushagak Electric Coop, Inc		1,265	--	--	--	--	--	2	--	--	22
Dillingham (AK)	--	1,265	--	--	--	--	--	2	--	--	22
Oakdale & South San Joaquin				34,778	--	--	--	--	--	--	--
Beardsley (CA)	--	--	--	6,230	--	--	--	--	--	--	--
Donnels (CA)	--	--	--	15,352	--	--	--	--	--	--	--
Sand Bar (CA)	--	--	--	7,354	--	--	--	--	--	--	--
Tulloch (CA)	--	--	--	5,842	--	--	--	--	--	--	--
Oakely City Of											
Oakely (KS)	--	--	--	--	--	--	--	--	--	--	--
Oberlin City Of											
Oberlin (KS)	--	--	--	--	--	--	--	--	--	--	--
Oberlin Mun Lt Pwr System		4	--	--	--	--	--	*	*	--	*
Oberlin (OH)	--	4	--	--	--	--	--	*	*	--	*
Oconto Electric Coop				487	--	--	--	--	--	--	--
Stiles (WI)	--	--	--	487	--	--	--	--	--	--	--
Odessa City Of		5	10	--	--	--	--	*	*	--	1
Odessa (MO)	--	5	10	--	--	--	--	*	*	--	1
Ogden Municipal Utilities		12	--	--	--	--	--	*	--	--	*
Ogden (IA)	--	12	--	--	--	--	--	*	--	--	*
Oglethorpe Power Corporation ...				49	--	--	--	--	--	--	--
Tallassee (GA)	--	--	--	49	--	--	--	--	--	--	--
Ohio Edison Company	1,616,563	829	--	--	--	--	685	2	--	923	37
Burger, R E (OH)	257,931	163	--	--	--	--	122	*	--	311	2
Edgewater (OH)	--	29	--	--	--	--	--	*	--	--	9
Gorge Steam (OH)	--	--	--	--	--	--	--	--	--	--	--
Mad River (OH)	--	-25	--	--	--	--	--	*	--	--	15
Niles (OH)	131,595	-23	--	--	--	--	60	*	--	73	3
Sammis (OH)	1,227,037	685	--	--	--	--	503	1	--	539	3
Toronto (OH)	--	--	--	--	--	--	--	--	--	--	--
West Lorain (OH)	--	--	--	--	--	--	--	--	--	--	--
Ohio Power Co (AEP)	2,254,427	4,126	--	19,193	--	--	914	7	--	2,509	75
Gavin, Gen J M (OH)	829,792	1,975	--	--	--	--	347	3	--	1,229	35
Kammer (WV)	393,638	297	--	--	--	--	155	*	--	244	2
Mitchell (WV)	476,259	1,004	--	--	--	--	181	2	--	409	30
Muskingum River (OH)	554,738	850	--	--	--	--	231	1	--	627	8
Racine (OH)	--	--	--	19,193	--	--	--	--	--	--	--
Tidd (OH)	--	--	--	--	--	--	--	--	--	--	--
Ohio Valley Electric Corporation .	638,496	413	--	--	--	--	264	1	--	457	1
Kyger Creek (OH)	638,496	413	--	--	--	--	264	1	--	457	1
Oklahoma Gas & Electric Co	1,348,317	1,178	443,199	--	--	--	811	2	4,330	939	471
Arbuckle (OK)	--	--	--	--	--	--	--	--	--	--	--
Conoco (OK)	--	--	41,181	--	--	--	--	--	398	--	--
Enid (OK)	--	--	--	--	--	--	--	--	--	--	--
Horseshoe Lake (OK)	--	299	83,312	--	--	--	--	1	759	--	78
Muskogee (OK)	1,014,694	--	1,665	--	--	--	611	--	20	510	41
Mustang (OK)	--	1	102,303	--	--	--	--	*	1,025	--	12
Seminole (OK)	--	--	214,724	--	--	--	--	--	2,128	--	319
Sooner (OK)	333,623	878	--	--	--	--	200	2	--	428	21
Woodward (OK)	--	--	14	--	--	--	--	--	*	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Omaha Public Power District	614,147	73	3,219	--	-2,160	--	398	*	37	480	31
Fort Calhoun (NE)	--	--	--	--	-2,160	--	--	--	--	--	--
Jones Street (NE)	--	5	--	--	--	--	--	*	--	--	20
Nebraska City (NE)	346,574	68	--	--	--	--	214	*	--	274	4
North Omaha (NE)	267,573	--	3,211	--	--	--	184	--	37	206	--
Sarpy (NE)	--	--	8	--	--	--	--	--	1	--	7
Onawa City Of Municipal Lt & Pwr	--	--	--	--	--	--	--	--	--	--	--
Onawa (IA)	--	--	--	--	--	--	--	--	--	--	--
Opelousas Elec Lt & Wtr Works Plant	--	--	--	--	--	--	--	--	--	--	--
Opelousas (LA)	--	--	--	--	--	--	--	--	--	--	--
Orange And Rockland Utilities, Inc	166,925	49,989	187,497	12,143	--	--	69	85	1,945	61	651
Bowline Point (NY)	--	49,972	171,188	--	--	--	--	85	1,762	--	535
Grahamsville (NY)	--	--	--	10,626	--	--	--	--	--	--	--
Hillburn (NY)	--	--	109	--	--	--	--	--	13	--	2
Lovett (NY)	166,925	--	16,125	--	--	--	69	--	167	61	112
Mongaup (NY)	--	--	--	334	--	--	--	--	--	--	--
Rio (NY)	--	--	--	798	--	--	--	--	--	--	--
Shoemaker (NY)	--	17	75	--	--	--	--	*	3	--	2
Swinging Bridge 1 (NY)	--	--	--	383	--	--	--	--	--	--	--
Swinging Bridge 2 (NY)	--	--	--	2	--	--	--	--	--	--	--
Orange City Municipal Light Plant Orange City (IA)	--	--	--	--	--	--	--	--	--	--	--
Orcas Power & Light Company ... Eastsound (WA)	--	--	--	--	--	--	--	--	--	--	--
Oregon Trail Elec Coop	--	--	--	160	--	--	--	--	--	--	--
Rock Creek (OR)	--	--	--	160	--	--	--	--	--	--	--
Orlando Utilities Commission	253,328	28,880	68,560	--	--	--	96	51	759	33	219
Indian River (FL)	--	28,557	68,560	--	--	--	--	50	759	--	213
Stanton (FL)	253,328	323	--	--	--	--	96	1	--	33	6
Oroville Wyandotte Irrig Dist	--	--	--	47,562	--	--	--	--	--	--	--
Forbestown (CA)	--	--	--	13,765	--	--	--	--	--	--	--
Kelly Ridge (CA)	--	--	--	6,942	--	--	--	--	--	--	--
Sly Creek (CA)	--	--	--	3,133	--	--	--	--	--	--	--
Woodleaf (CA)	--	--	--	23,722	--	--	--	--	--	--	--
Orrville Mun Utilities	17,038	--	30	--	--	--	11	--	*	1	--
Orrville (OH)	17,038	--	30	--	--	--	11	--	*	1	--
Osage Mun Utilities	--	--	--	--	--	--	--	--	--	--	*
Osage (KS)	--	--	--	--	--	--	--	--	--	--	*
Osage Municipal Utilities	--	--	--	--	--	--	--	--	--	--	2
Osage (IA)	--	--	--	--	--	--	--	--	--	--	2
Osawatomie City Of	--	--	--	--	--	--	--	--	--	--	*
Osawatomie (KS)	--	--	--	--	--	--	--	--	--	--	*
Osborne City Of	--	1	--	--	--	--	--	*	*	--	*
Osborne (KS)	--	1	--	--	--	--	--	*	*	--	*
Osceola City Of	--	--	--	--	--	--	--	--	--	--	--
Osceola (AR)	--	--	--	--	--	--	--	--	--	--	--
Ottawa Water & Light Dept	--	121	170	--	--	--	--	*	2	--	1
Ottawa (KS)	--	121	170	--	--	--	--	*	2	--	1
Otter Tail Power Company	164,479	878	--	2,239	--	--	138	2	--	276	18

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Otter Tail Power Company											
Bemidji (MN)	--	--	--	126	--	--	--	--	--	--	--
Big Stone (SD)	122,702	609	--	--	--	--	113	1	--	269	7
Dayton Hollow (MN)	--	--	--	664	--	--	--	--	--	--	--
Hoot Lake (MN)	41,777	148	--	408	--	--	25	*	--	6	*
Jamestown (ND)	--	88	--	--	--	--	--	*	--	--	6
Lake Preston (SD)	--	33	--	--	--	--	--	*	--	--	5
Pisgah (MN)	--	--	--	398	--	--	--	--	--	--	--
Port 148 (MN)	--	--	--	--	--	--	--	--	--	--	--
Taplin Gorge (MN)	--	--	--	354	--	--	--	--	--	--	--
Wright (MN)	--	--	--	289	--	--	--	--	--	--	--
Ottumwa Wtr Wrks & Hydro El Pl											
Ottumwa (IA)	--	--	--	886	--	--	--	--	--	--	--
Owatonna Municipal Public											
Utilities	--	--	70	--	--	--	--	--	1	--	--
Owatonna (MN)	--	--	70	--	--	--	--	--	1	--	--
Owensboro Municipal Utilities											
Owensboro (KY)	142,950	133	--	--	--	--	65	*	--	71	1
Elmer Smith (KY)	142,950	133	--	--	--	--	65	*	--	71	1
Owensville Municipal Utilities											
Owensville (MO)	--	--	--	--	--	--	--	--	--	--	*
Oxford Mun Lt & Pwr Plant											
Oxford (NE)	--	--	--	--	--	--	--	--	--	--	*
Pacific Gas & Electric Company											
* Central Storage *	--	1,567	1,905,699	991,302	1,596,231	529,211	--	4	18,355	--	7,255
Alta (CA)	--	--	--	448	--	--	--	--	--	--	84
Angels (CA)	--	--	--	698	--	--	--	--	--	--	--
Balch 1 (CA)	--	--	--	5,838	--	--	--	--	--	--	--
Balch 2 (CA)	--	--	--	47,015	--	--	--	--	--	--	--
Belden (CA)	--	--	--	59,820	--	--	--	--	--	--	--
Black, James B (CA)	--	--	--	44,038	--	--	--	--	--	--	--
Bucks Creek (CA)	--	--	--	18,324	--	--	--	--	--	--	--
Butt Valley (CA)	--	--	--	24,644	--	--	--	--	--	--	--
Caribou 1 (CA)	--	--	--	24,577	--	--	--	--	--	--	--
Caribou 2 (CA)	--	--	--	67,663	--	--	--	--	--	--	--
Centerville (CA)	--	--	--	1,062	--	--	--	--	--	--	--
Chili Bar (CA)	--	--	--	847	--	--	--	--	--	--	--
Coal Canyon (CA)	--	--	--	530	--	--	--	--	--	--	--
Coleman (CA)	--	--	--	5,819	--	--	--	--	--	--	--
Contra Costa (CA)	--	--	307,110	--	--	--	--	--	2,928	--	695
Cow Creek (CA)	--	--	--	731	--	--	--	--	--	--	--
Crane Valley (CA)	--	--	--	376	--	--	--	--	--	--	--
Cresta (CA)	--	--	--	30,252	--	--	--	--	--	--	--
De Saba (CA)	--	--	--	5,435	--	--	--	--	--	--	--
Deer Creek (CA)	--	--	--	388	--	--	--	--	--	--	--
Diablo Canyon (CA)	--	--	--	--	1,596,231	--	--	--	--	--	--
Downieville (CA)	--	-5	--	--	--	--	--	--	--	--	*
Drum 1 (CA)	--	--	--	17,541	--	--	--	--	--	--	--
Drum 2 (CA)	--	--	--	28,508	--	--	--	--	--	--	--
Dutch Flat (CA)	--	--	--	8,596	--	--	--	--	--	--	--
El Dorado (CA)	--	--	--	-7	--	--	--	--	--	--	--
Electra (CA)	--	--	--	38,575	--	--	--	--	--	--	--
Haas (CA)	--	--	--	50,339	--	--	--	--	--	--	--
Halsey (CA)	--	--	--	5,125	--	--	--	--	--	--	--
Hamilton Branch (CA)	--	--	--	1,405	--	--	--	--	--	--	--
Hat Creek 1 (CA)	--	--	--	2,632	--	--	--	--	--	--	--
Hat Creek 2 (CA)	--	--	--	3,717	--	--	--	--	--	--	--
Helms (CA)	--	--	--	12,860	--	--	--	--	--	--	--
Humbolt Bay (CA)	--	571	11,036	--	--	--	--	2	166	--	98
Hunters Point (CA)	--	-22	32,871	--	--	--	--	--	513	--	310
Inskip (CA)	--	--	--	3,590	--	--	--	--	--	--	--
Kerckhoff (CA)	--	--	--	6,139	--	--	--	--	--	--	--
Kerckhoff 2 (CA)	--	--	--	20,564	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pacific Gas & Electric Company											
Kern (CA)	--	--	--	--	--	--	--	--	--	--	--
Kern Canyon (CA)	--	--	--	6,497	--	--	--	--	--	--	--
Kilarc (CA)	--	--	--	949	--	--	--	--	--	--	--
Kings River (CA)	--	--	--	16,354	--	--	--	--	--	--	--
Lime Saddle (CA)	--	--	--	742	--	--	--	--	--	--	--
Merced Falls (CA)	--	--	--	1,264	--	--	--	--	--	--	--
Mobile Turbine (CA)	--	--	--	--	--	--	--	--	--	--	--
Morro Bay (CA)	--	886	176,272	--	--	--	--	1	1,771	--	1,049
Moss Landing (CA)	--	--	841,067	--	--	--	--	--	7,577	--	2,493
Murphys (CA)	--	--	--	1,557	--	--	--	--	--	--	--
Narrows (CA)	--	--	--	279	--	--	--	--	--	--	--
Newcastle (CA)	--	--	--	3,771	--	--	--	--	--	--	--
Oak Flat (CA)	--	--	--	316	--	--	--	--	--	--	--
Oakland (CA)	--	87	--	--	--	--	--	--	--	--	30
Phoenix (CA)	--	--	--	385	--	--	--	--	--	--	--
Pit 1 (CA)	--	--	--	18,782	--	--	--	--	--	--	--
Pit 3 (CA)	--	--	--	25,415	--	--	--	--	--	--	--
Pit 4 (CA)	--	--	--	32,128	--	--	--	--	--	--	--
Pit 5 (CA)	--	--	--	59,055	--	--	--	--	--	--	--
Pit 6 (CA)	--	--	--	20,141	--	--	--	--	--	--	--
Pit 7 (CA)	--	--	--	27,229	--	--	--	--	--	--	--
Pittsburg (CA)	--	--	419,635	--	--	--	--	--	4,200	--	2,224
Poe (CA)	--	--	--	52,018	--	--	--	--	--	--	--
Potrero (CA)	--	50	117,708	--	--	--	--	--	1,200	--	271
Potter Valley (CA)	--	--	--	6,410	--	--	--	--	--	--	--
PVUSA 1 (CA)	--	--	--	--	--	71	--	--	--	--	--
PVUSA 3 (CA)	--	--	--	--	--	--	--	--	--	--	--
Rock Creek (CA)	--	--	--	49,124	--	--	--	--	--	--	--
Salt Springs (CA)	--	--	--	20,237	--	--	--	--	--	--	--
San Joaquin No. 1a (CA)	--	--	--	187	--	--	--	--	--	--	--
San Joaquin No. 2 (CA)	--	--	--	1,442	--	--	--	--	--	--	--
San Joaquin 3 (CA)	--	--	--	2,182	--	--	--	--	--	--	--
South (CA)	--	--	--	2,833	--	--	--	--	--	--	--
Spaulding No. 1 (CA)	--	--	--	3,896	--	--	--	--	--	--	--
Spaulding No. 2 (CA)	--	--	--	1,185	--	--	--	--	--	--	--
Spaulding No. 3 (CA)	--	--	--	3,194	--	--	--	--	--	--	--
Spring Gap (CA)	--	--	--	3,918	--	--	--	--	--	--	--
Stanislaus (CA)	--	--	--	41,124	--	--	--	--	--	--	--
The Geysers (CA)	--	--	--	--	--	529,140	--	--	--	--	--
Tiger Creek (CA)	--	--	--	23,892	--	--	--	--	--	--	--
Toadtown (CA)	--	--	--	267	--	--	--	--	--	--	--
Tule River (CA)	--	--	--	481	--	--	--	--	--	--	--
Volta (CA)	--	--	--	3,663	--	--	--	--	--	--	--
Volta 2 (CA)	--	--	--	451	--	--	--	--	--	--	--
West Point (CA)	--	--	--	7,038	--	--	--	--	--	--	--
Wise (CA)	--	--	--	7,272	--	--	--	--	--	--	--
Wise 2 (CA)	--	--	--	--	--	--	--	--	--	--	--
Wishon, A G (CA)	--	--	--	7,535	--	--	--	--	--	--	--
PacifiCorp	4,848,254	4,114	39,286	224,716	--	16,835	2,750	7	493	2,965	37
American Fork (UT)	--	--	--	-1	--	--	--	--	--	--	--
Ashton (ID)	--	--	--	2,800	--	--	--	--	--	--	--
Beaver Upper (UT)	--	--	--	609	--	--	--	--	--	--	--
Bend (OR)	--	--	--	301	--	--	--	--	--	--	--
Big Fork (MT)	--	--	--	-13	--	--	--	--	--	--	--
Blundell (UT)	--	--	--	--	--	16,835	--	--	--	--	--
Bridger, Jim (WY)	1,345,734	2,187	--	--	--	--	736	4	--	639	12
Carbon (UT)	126,863	6	--	--	--	--	58	--	--	49	--
Centralia (WA)	939,585	308	--	--	--	--	594	1	--	666	4
Clearwater 1 (OR)	--	--	--	3,913	--	--	--	--	--	--	--
Clearwater 2 (OR)	--	--	--	3,286	--	--	--	--	--	--	--
Cline Falls (OR)	--	--	--	78	--	--	--	--	--	--	--
Condit (WA)	--	--	--	3,516	--	--	--	--	--	--	--
Copco 1 (CA)	--	--	--	8,014	--	--	--	--	--	--	--
Copco 2 (CA)	--	--	--	9,964	--	--	--	--	--	--	--
Cove (ID)	--	--	--	--	--	--	--	--	--	--	--
Cutler (UT)	--	--	--	4,317	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
PacifiCorp											
Eagle Point (OR)	--	--	--	417	--	--	--	--	--	--	--
East Side (OR)	--	--	--	1,423	--	--	--	--	--	--	--
Fall Creek (CA)	--	--	--	960	--	--	--	--	--	--	--
Fish Creek (OR)	--	--	--	1,809	--	--	--	--	--	--	--
Ftn Green (UT)	--	--	--	112	--	--	--	--	--	--	--
Gadsby (UT)	--	--	32,800	--	--	--	--	--	363	--	--
Grace (ID)	--	--	--	3,202	--	--	--	--	--	--	--
Granite (UT)	--	--	--	231	--	--	--	--	--	--	--
Hunter (emery) (UT)	772,210	689	--	--	--	--	361	1	--	801	5
Huntington Canyon (UT)	415,216	97	--	--	--	--	195	--	--	566	3
Hydro No. 1 (UT)	--	--	--	118	--	--	--	--	--	--	--
Hydro No. 2 (UT)	--	--	--	80	--	--	--	--	--	--	--
Hydro No. 3 (UT)	--	--	--	--	--	--	--	--	--	--	--
Iron Gate (CA)	--	--	--	10,729	--	--	--	--	--	--	--
John C Boyle (OR)	--	--	--	24,833	--	--	--	--	--	--	--
Johnston, Dave (WY)	575,353	231	--	--	--	--	395	--	--	162	3
Last Chance (UT)	--	--	--	12	--	--	--	--	--	--	--
Lemolo 1 (OR)	--	--	--	10,722	--	--	--	--	--	--	--
Lemolo 2 (OR)	--	--	--	4,575	--	--	--	--	--	--	--
Little Mountain (UT)	--	--	5,981	--	--	--	--	--	126	--	1
Merwin (WA)	--	--	--	19,197	--	--	--	--	--	--	--
Naches (WA)	--	--	--	1,128	--	--	--	--	--	--	--
Naches Drop (WA)	--	--	--	346	--	--	--	--	--	--	--
Naughton (WY)	431,760	412	505	--	--	--	235	1	5	82	1
Olmstead (UT)	--	--	--	2,681	--	--	--	--	--	--	--
Oneida (ID)	--	--	--	1,981	--	--	--	--	--	--	--
Paris (ID)	--	--	--	212	--	--	--	--	--	--	--
Pioneer (UT)	--	--	--	31	--	--	--	--	--	--	--
Powerdale (OR)	--	--	--	1,701	--	--	--	--	--	--	--
Prospect 1 (OR)	--	--	--	--	--	--	--	--	--	--	--
Prospect 2 (OR)	--	--	--	16,662	--	--	--	--	--	--	--
Prospect 3 (OR)	--	--	--	--	--	--	--	--	--	--	--
Prospect 4 (OR)	--	--	--	--	--	--	--	--	--	--	--
Skookumchuck (WA)	--	--	--	66	--	--	--	--	--	--	--
Slide Creek (OR)	--	--	--	5,722	--	--	--	--	--	--	--
Snake Creek (UT)	--	--	--	277	--	--	--	--	--	--	--
Soda (ID)	--	--	--	309	--	--	--	--	--	--	--
Soda Springs (OR)	--	--	--	3,929	--	--	--	--	--	--	--
St Anthony (ID)	--	--	--	56	--	--	--	--	--	--	--
Stairs (UT)	--	--	--	395	--	--	--	--	--	--	--
Stayton (OR)	--	--	--	--	--	--	--	--	--	--	--
Swift No. 2 (WA)	--	--	--	8,322	--	--	--	--	--	--	--
Swift 1 (WA)	--	--	--	23,603	--	--	--	--	--	--	--
Toketee (OR)	--	--	--	15,440	--	--	--	--	--	--	--
Viva (WY)	--	--	--	162	--	--	--	--	--	--	--
Wallowa Falls (OR)	--	--	--	-16	--	--	--	--	--	--	--
Weber (UT)	--	--	--	2,040	--	--	--	--	--	--	--
West Side (OR)	--	--	--	507	--	--	--	--	--	--	--
Wyodak (WY)	241,533	184	--	--	--	--	175	--	--	--	7
Yale (WA)	--	--	--	23,958	--	--	--	--	--	--	--
Painesville Mun Lt Plant	10,285	17	57	--	--	--	7	*	1	9	2
Painesville (OH)	10,285	17	57	--	--	--	7	*	1	9	2
Palmyra City Of Bd Of Pub											
Works	--	1	13	--	--	--	--	*	*	--	1
Palmyra (MO)	--	1	5	--	--	--	--	*	*	--	*
Palmyra 2 (MO)	--	--	8	--	--	--	--	--	*	--	*
Paragould Light Plant Comm	--	--	--	--	--	--	--	--	--	--	--
Paragould (AR)	--	--	--	--	--	--	--	--	--	--	--
Paris Light & Power Dept	--	--	--	--	--	--	--	--	--	--	--
Paris (KY)	--	--	--	--	--	--	--	--	--	--	--
Parowan City Corporation	--	--	--	138	--	--	--	--	--	--	--
Center Creek (UT)	--	--	--	--	--	--	--	--	--	--	--
Paragonah (UT)	--	--	--	138	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pasadena City Of Wtr & Pwr											
Dept	—	49	23,450	280	—	—	—	*	286	—	119
Azusa (CA)	—	—	—	280	—	—	—	—	—	—	—
Broadway (CA)	—	49	23,403	—	—	—	—	*	284	—	105
Glenarm (CA)	—	—	47	—	—	—	—	—	2	—	14
Pattonsburg Mun Light Plant	—	—	—	—	—	—	—	—	—	—	—
Pattonsburg (MO)	—	—	—	—	—	—	—	—	—	—	—
Paulina Mun Light Plant	—	—	—	—	—	—	—	—	—	—	—
Paulina (IA)	—	—	—	—	—	—	—	—	—	—	—
Pawhuska Light & Water Plant	—	—	—	—	—	—	—	—	—	—	—
Pawhuska (OK)	—	—	—	—	—	—	—	—	—	—	—
Peabody Mun Light Plant	—	246	—	—	—	—	—	1	—	—	6
Waters River (MA)	—	246	—	—	—	—	—	1	—	—	6
Pelican Utility Company	—	19	—	240	—	—	—	*	—	—	*
Pelican (AK)	—	19	—	240	—	—	—	*	—	—	*
Pella Municipal Power & Light	7,425	—	6	—	—	—	3	—	*	2	—
Pella (IA)	7,425	—	6	—	—	—	3	—	*	2	—
Pend Oreille County P U D No 1 .	—	—	—	48,807	—	—	—	—	—	—	—
Box Canyon (WA)	—	—	—	48,628	—	—	—	—	—	—	—
Calispel Creek (WA)	—	—	—	179	—	—	—	—	—	—	—
Pender Mun Light Plant	—	—	—	—	—	—	—	—	—	—	*
Pender (NE)	—	—	—	—	—	—	—	—	—	—	*
Pennsylvania Electric Co (GPS) ...	2,917,205	6,889	534	-18,441	—	—	1,143	12	7	2,321	44
Benton (PA)	—	-6	—	—	—	—	—	*	—	—	*
Blossburg (PA)	—	—	406	—	—	—	—	—	6	—	—
Conemaugh (PA)	612,504	50	128	—	—	—	228	*	1	641	5
Deep Creek (MD)	—	—	—	1,537	—	—	—	—	—	—	—
Homer City (PA)	845,772	1,188	—	—	—	—	328	2	—	874	8
Keystone (PA)	1,034,681	4,404	—	—	—	—	400	7	—	586	9
Piney (PA)	—	—	—	4,983	—	—	—	—	—	—	—
Seneca (PA)	—	—	—	-24,841	—	—	—	—	—	—	—
Seward (PA)	113,959	583	—	—	—	—	52	1	—	140	1
Shawville (PA)	281,026	555	—	—	—	—	121	1	—	66	9
Warren (PA)	29,263	133	—	—	—	—	16	*	—	15	4
Wayne (PA)	—	-38	—	—	—	—	—	—	—	—	8
Pennsylvania Power & Light Co ..	1,909,700	43,021	—	34,054	778,806	—	765	19	—	6,796	1,489
* Central Storage *	—	—	—	—	—	—	—	—	—	4,767	—
Allentown (PA)	—	15	—	—	—	—	—	*	—	—	4
Brunner Island (PA)	748,285	2,405	—	—	—	—	276	4	—	572	4
Fishbach (PA)	—	—	—	—	—	—	—	—	—	—	2
Harrisburg (PA)	—	1	—	—	—	—	—	*	—	—	4
Harwood (PA)	—	—	—	—	—	—	—	—	—	—	2
Holtwood (PA)	38,247	13,689	—	31,882	—	—	25	*	—	91	*
Jenkins (PA)	—	—	—	—	—	—	—	—	—	—	2
Loch Haven (PA)	—	—	—	—	—	—	—	—	—	—	2
Martins Creek (PA)	101,013	1,998	—	—	—	—	45	6	—	60	1,449
Montour (PA)	823,882	1,020	—	—	—	—	314	7	—	424	8
Sunbury (PA)	200,273	23,895	—	—	—	—	105	1	—	882	6
Susquehanna (PA)	—	—	—	—	778,806	—	—	—	—	—	—
Wallenpaupack (PA)	—	—	—	2,172	—	—	—	—	—	—	—
West Shore (PA)	—	—	—	—	—	—	—	—	—	—	2
Williamsport (PA)	—	—	—	—	—	—	—	—	—	—	2
Pennsylvania Power Co	1,547,743	2,086	—	—	—	—	641	4	—	619	46
Mansfield, Bruce (PA)	1,395,277	1,929	—	—	—	—	574	3	—	517	44
New Castle (PA)	152,466	157	—	—	—	—	67	*	—	102	1
Peru City Of Mun Pwr Plant	—	-36	—	—	—	—	—	*	—	—	1
Peru (IL)	—	-36	—	—	—	—	—	*	—	—	1

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bb's)	Gas (Mcf)	Coal (short tons)	Petro- leum (bb's)
Peru Utilities	80	—	—	—	—	—	*	*	—	*	*
Peru (IN)	80	—	—	—	—	—	*	*	—	*	*
Petersburg Municipal Light & Power	—	752	—	386	—	—	—	1	—	—	*
Petersburg (AK)	—	752	—	386	—	—	—	1	—	—	*
Philadelphia Electric Company	312,878	54,791	56,711	-5,639	2,088,317	—	128	102	615	234	281
* Central Storage *	—	—	—	—	—	—	—	—	—	—	15
Chester (PA)	—	14	—	—	—	—	—	*	—	—	5
Conowingo (MD)	—	—	—	55,461	—	—	—	—	—	—	—
Cromby (PA)	73,043	12,748	49,246	—	—	—	31	22	539	57	23
Croydon (PA)	—	-65	—	—	—	—	—	2	—	—	39
Delaware (PA)	—	1,698	—	—	—	—	—	6	—	—	54
Eddystone (PA)	239,835	34,056	7,465	—	—	—	97	58	76	177	108
Falls (PA)	—	—	—	—	—	—	—	*	—	—	5
Limerick (PA)	—	—	—	—	1,566,362	—	—	—	—	—	—
Moser (PA)	—	81	—	—	—	—	—	*	—	—	5
Muddy Run (PA)	—	—	—	-61,100	—	—	—	—	—	—	—
Peach Bottom (PA)	—	—	—	—	521,955	—	—	—	—	—	—
Richmond (PA)	—	214	—	—	—	—	—	2	—	—	18
Schuylkill (PA)	—	6,029	—	—	—	—	—	12	—	—	3
Southwark (PA)	—	16	—	—	—	—	—	*	—	—	5
Piggott Public Improvement Dist 1	—	1	—	—	—	—	—	*	—	—	*
Piggott (AR)	—	1	—	—	—	—	—	*	—	—	*
Piqua Municipal Power System	1,955	49	—	—	—	—	3	*	—	1	3
Piqua (OH)	1,955	49	—	—	—	—	3	*	—	1	3
Placer County Water Agency	—	—	—	93,024	—	—	—	—	—	—	—
French Meadows (CA)	—	—	—	10,542	—	—	—	—	—	—	—
Hell Hole (WA)	—	—	—	363	—	—	—	—	—	—	—
Middle Fork (CA)	—	—	—	47,961	—	—	—	—	—	—	—
Oxbow (CA)	—	—	—	2,073	—	—	—	—	—	—	—
Ralston (CA)	—	—	—	32,085	—	—	—	—	—	—	—
Plains Elec Gen & Trans Coop, Inc	146,479	—	177	—	—	—	83	—	2	143	9
Algodones (NM)	—	—	—	—	—	—	—	—	—	—	—
Escalante (NM)	146,479	—	177	—	—	—	83	—	2	143	9
Plainview Municipal Power Plant Plainview (NE)	—	—	—	—	—	—	—	—	—	—	—
Plaquemine Lt & Wtr Plant	—	—	—	—	—	—	—	—	*	—	—
Plaquemine (LA)	—	—	—	—	—	—	—	—	*	—	—
Platte River Power Auth	183,063	—	—	—	—	—	110	—	—	161	4
Rawhide (CO)	183,063	—	—	—	—	—	110	—	—	161	4
Ponca City Mun Wtr & Lt Dept	—	18	163	—	—	—	—	*	2	—	1
Ponca Steam (OK)	—	—	—	—	—	—	—	*	—	—	—
Ponca Steam (OK)	—	18	163	—	—	—	—	*	2	—	1
Portland City Of Electric Dept	—	—	—	108	—	—	—	—	—	—	—
Jenkins, Frank (MI)	—	—	—	—	—	—	—	—	—	—	—
Portland (MI)	—	—	—	108	—	—	—	—	—	—	—
Portland General Electric Company	376,622	229	218,455	155,245	—	—	218	*	2,065	509	232
Beaver (OR)	—	21	218,455	—	—	—	—	*	2,065	—	211
Bethel (OR)	—	27	—	—	—	—	—	*	—	—	16
Boardman (OR)	376,622	181	—	—	—	—	218	*	—	509	4
Bull Run (OR)	—	—	—	1,102	—	—	—	—	—	—	—
Faraday (OR)	—	—	—	4,135	—	—	—	—	—	—	—
North Fork (OR)	—	—	—	4,712	—	—	—	—	—	—	—

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Portland General Electric Company											
Oak Grove (OR)	--	--	--	15,631	--	--	--	--	--	--	--
Pelton (OR)	--	--	--	33,364	--	--	--	--	--	--	--
Pelton Re Regulation (OR)	--	--	--	3,802	--	--	--	--	--	--	--
Portland Hydro Proj 1 (OR)	--	--	--	1,099	--	--	--	--	--	--	--
Portland Hydro Proj 2 (OR)	--	--	--	--	--	--	--	--	--	--	--
River Mill (OR)	--	--	--	3,055	--	--	--	--	--	--	--
Round Butte (OR)	--	--	--	76,254	--	--	--	--	--	--	--
Sullivan (OR)	--	--	--	12,091	--	--	--	--	--	--	--
Summit (OR)	--	--	--	--	--	--	--	--	--	--	*
Trojan (OR)	--	--	--	--	--	--	--	--	--	--	--
Potomac Edison Co (APS)	25,210	38	--	1,908	--	--	10	*	--	58	*
Dam 4 (WV)	--	--	--	522	--	--	--	--	--	--	--
Dam 5 (WV)	--	--	--	451	--	--	--	--	--	--	--
Harpers Ferry (WV)	--	--	--	--	--	--	--	--	--	--	--
Luray (VA)	--	--	--	--	--	--	--	--	--	--	--
Millville (WV)	--	--	--	583	--	--	--	--	--	--	--
Newport (VA)	--	--	--	140	--	--	--	--	--	--	--
Shenandoah (VA)	--	--	--	62	--	--	--	--	--	--	--
Smith, R P (MD)	25,210	38	--	--	--	--	10	*	--	58	*
Warren (VA)	--	--	--	150	--	--	--	--	--	--	--
Potomac Electric Power Co	1,210,338	91,911	26,522	--	--	--	455	176	262	1,008	1,186
Benning (DC)	--	-614	--	--	--	--	--	1	--	--	100
Buzzard Point (DC)	--	-197	--	--	--	--	--	*	--	--	17
Chalk Point (MD)	178,078	78,677	3,775	--	--	--	69	152	47	237	636
Dickerson (MD)	296,230	725	22,747	--	--	--	114	1	215	260	41
Morgantown (MD)	595,380	12,126	--	--	--	--	216	19	--	395	391
Potomac River (VA)	139,650	1,194	--	--	--	--	56	3	--	117	1
Power Authority Of The State Of NY											
Ashokan (NY)	--	29,339	113,565	1,724,661	435,230	--	--	54	1,294	--	363
Blenheim (NY)	--	--	--	1,175	--	--	--	--	--	--	--
Crescent (NY)	--	--	--	-76,163	--	--	--	--	--	--	--
Fitzpatrick (NY)	--	--	--	3,103	--	--	--	--	--	--	--
Hinckley (NY)	--	--	--	--	435,230	--	--	--	--	--	--
Indian Point (NY)	--	--	--	2,340	--	--	--	--	--	--	--
Kensico (NY)	--	--	--	--	--	--	--	--	--	--	--
Lewiston (NY)	--	--	--	1,073	--	--	--	--	--	--	--
Moses Niagara (NY)	--	--	--	-37,687	--	--	--	--	--	--	--
Moses Power Dam (NY)	--	--	--	1,235,458	--	--	--	--	--	--	--
Poletti (NY)	--	29,339	113,565	592,209	--	--	--	--	--	--	--
Vischer Ferry (NY)	--	--	--	3,153	--	--	--	54	1,294	--	363
Pratt City Of	--	--	--	--	--	--	--	--	--	--	1
Pratt (KS)	--	--	--	--	--	--	--	--	--	--	1
Preston Public Utilities Comm	--	-8	--	--	--	--	--	--	--	--	*
Preston (MN)	--	-8	--	--	--	--	--	--	--	--	*
Preston, Town Of Mun Lt & Pwr	--	--	--	--	--	--	--	--	--	--	--
Preston (IA)	--	--	--	--	--	--	--	--	--	--	--
Primghar Municipal Lt Plant	--	--	--	--	--	--	--	--	--	--	--
Primghar (IA)	--	--	--	--	--	--	--	--	--	--	--
Princeton Mun Pwr & Lt Plant	--	12	--	--	--	--	--	*	--	--	*
Princeton (MN)	--	12	--	--	--	--	--	*	--	--	*
Princeton Municipal Utilities	--	--	--	--	--	--	--	*	*	--	1
Princeton (IL)	--	--	--	--	--	--	--	*	*	--	1
Providence Lt & Wtr	--	--	--	--	--	--	--	--	--	--	--
Providence (RI)	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Provo City Corporation Dept Of											
Utli	--	--	11	--	--	--	--	--	*	--	1
Provo (UT)	--	--	11	--	--	--	--	--	*	--	1
Public Serv Co Of Oklahoma											
(CSW)	216,123	54	686,896	--	--	--	134	*	6,645	603	97
Comanche (OK)	--	7	134,320	--	--	--	--	*	1,105	--	*
Grandfield (OK)	--	2	--	--	--	--	--	*	--	--	*
Northeastern (OK)	216,123	4	112,252	--	--	--	134	*	1,132	603	*
Riverside (OK)	--	8	376,550	--	--	--	--	*	3,705	--	46
Southwestern (OK)	--	11	63,774	--	--	--	--	*	703	--	50
Tulsa (OK)	--	17	--	--	--	--	--	*	--	--	*
Weleetka (OK)	--	5	--	--	--	--	--	*	--	--	*
Public Service Co Of Colorado	1,377,312	729	22,613	10,301	--	--	736	1	257	1,959	96
Alamosa (CO)	--	--	-16	--	--	--	--	--	--	--	6
Ames (CO)	--	--	--	185	--	--	--	--	--	--	--
Arapahoe (CO)	109,481	--	349	--	--	--	56	--	4	112	--
Boulder Hydro (CO)	--	--	--	1,283	--	--	--	--	--	--	--
Cabin Creek (CO)	--	--	--	-5,709	--	--	--	--	--	--	--
Cameo (CO)	45,362	1	56	--	--	--	22	*	1	44	*
Cherokee (CO)	322,453	--	18,204	--	--	--	149	--	195	381	*
Comanche (CO)	384,542	--	275	--	--	--	236	--	3	358	2
Fort Lupton (CO)	--	--	-46	--	--	--	--	--	1	--	14
Fruita (CO)	--	--	-7	--	--	--	--	--	*	--	*
Georgetown Hydro (CO)	--	--	--	450	--	--	--	--	--	--	--
Hayden (CO)	268,957	724	187	--	--	--	131	1	4	557	3
Palisade Hydro (CO)	--	--	--	1,862	--	--	--	--	--	--	--
Pawnee (CO)	136,817	--	1,655	--	--	--	92	--	17	395	8
Salida No. 1 Hydro (CO)	--	--	--	308	--	--	--	--	--	--	--
Salida No. 2 Hydro (CO)	--	--	--	317	--	--	--	--	--	--	--
Shoshone Hydro (CO)	--	--	--	10,426	--	--	--	--	--	--	--
Tacoma (CO)	--	--	--	1,179	--	--	--	--	--	--	--
Valmont (CO)	109,700	4	2,108	--	--	--	49	*	32	113	10
Zuni (CO)	--	--	-152	--	--	--	--	--	--	--	53
Public Service Co Of New											
Hampshire	290,487	203,319	--	23,579	645,800	--	136	385	--	381	317
Amoskeag (NH)	--	--	--	5,109	--	--	--	--	--	--	--
Ayers Island (NH)	--	--	--	2,488	--	--	--	--	--	--	--
Canaan (VT)	--	--	--	729	--	--	--	--	--	--	--
Eastman Falls (NH)	--	--	--	1,898	--	--	--	--	--	--	--
Garvins Falls (NH)	--	--	--	2,622	--	--	--	--	--	--	--
Gorham (NH)	--	--	--	1,147	--	--	--	--	--	--	--
Hooksett (NH)	--	--	--	101	--	--	--	--	--	--	--
Jackman (NH)	--	--	--	612	--	--	--	--	--	--	--
Lost Nation (NH)	--	-11	--	--	--	--	--	*	--	--	2
Merrimack (NH)	243,677	80	--	--	--	--	92	*	--	317	3
Newington (NH)	--	183,749	--	--	--	--	--	310	--	--	279
Schiller (NH)	46,810	19,510	--	--	--	--	44	75	--	65	31
Seabrook (NH)	--	--	--	--	645,800	--	--	--	--	--	--
Smith (NH)	--	--	--	8,873	--	--	--	--	--	--	--
Swans Falls (ME)	--	-2	--	--	--	--	--	--	--	--	*
White Lake (NH)	--	-7	--	--	--	--	--	--	--	--	2
Public Service Co Of New											
Mexico	648,084	2,305	-244	--	--	--	396	5	--	678	28
Las Vegas (NM)	--	-6	--	--	--	--	--	*	--	--	4
Person (NM)	--	--	--	--	--	--	--	--	--	--	--
Reeves (NM)	--	--	-244	--	--	--	--	--	--	--	--
San Juan (NM)	648,084	2,311	--	--	--	--	396	5	--	678	24
Public Service Elec And Gas Co	158,424	507	66,461	--	1,471,473	--	56	6	804	412	688
Bayonne (NJ)	--	22	--	--	--	--	--	*	--	--	4
Bergen (NJ)	--	--	5,185	--	--	--	--	--	111	--	--
Burlington (NJ)	--	3,751	40,141	--	--	--	--	6	350	--	45
Edison (NJ)	--	-27	-109	--	--	--	--	--	*	--	*
Essex (NJ)	--	30	11,518	--	--	--	--	*	142	--	66

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Public Service Elec And Gas Co											
Hops Creek (NJ)	--	--	--	--	777,445	--	--	--	--	--	--
Hudson (NJ)	-1,312	-53	-1,444	--	--	--	--	--	3	230	148
Kearny (NJ)	--	-1,061	-121	--	--	--	--	*	--	--	48
Linden (NJ)	--	-1,949	-87	--	--	--	--	--	--	--	124
Mercer (NJ)	159,736	-53	3,814	--	--	--	56	*	67	181	--
National Park (NJ)	--	-6	--	--	--	--	--	--	--	--	3
Salem (NJ)	--	-13	--	--	694,028	--	--	--	--	--	161
Sewaren (NJ)	--	-134	7,564	--	--	--	--	--	131	--	92
Puget Sound Power & Light											
Company	--	39	--	72,685	--	--	--	*	--	--	345
Crystal Mountain (WA)	--	19	--	--	--	--	--	*	--	--	1
Electron (WA)	--	--	--	10,189	--	--	--	--	--	--	--
Frederickson (WA)	--	--	--	--	--	--	--	--	--	--	93
Fredonia (WA)	--	--	--	--	--	--	--	--	--	--	100
Lower Baker (WA)	--	--	--	22,116	--	--	--	--	--	--	--
Nooksack (WA)	--	--	--	162	--	--	--	--	--	--	--
Shuffleton (WA)	--	-49	--	--	--	--	--	*	--	--	*
Snoqualmie (WA)	--	--	--	9,189	--	--	--	--	--	--	--
South Whidbey (WA)	--	21	--	--	--	--	--	*	--	--	10
Upper Baker (WA)	--	--	--	17,835	--	--	--	--	--	--	--
White River (WA)	--	--	--	13,194	--	--	--	--	--	--	--
Whitehorn (WA)	--	48	--	--	--	--	--	*	--	--	141
PSI Energy, Inc	2,302,937	14,790	8,884	32,882	--	--	1,091	28	91	1,422	38
Cayuga (IN)	340,435	8,667	8,884	--	--	--	161	16	91	218	10
Connersville (IN)	--	109	--	--	--	--	--	--	--	--	8
Edwardsport (IN)	4,529	21	--	--	--	--	3	*	--	29	3
Gallagher, R (IN)	122,679	1,243	--	--	--	--	53	2	--	106	1
Gibson (IN)	1,577,488	3,106	--	--	--	--	749	6	--	946	4
Markland (IN)	--	--	--	32,882	--	--	--	--	--	--	--
Miami Wabash (IN)	--	-36	--	--	--	--	--	*	--	--	9
Noblesville (IN)	5,726	53	--	--	--	--	3	*	--	29	*
Wabash River (IN)	252,080	1,625	--	--	--	--	121	3	--	94	2
R V Light & Power	--	--	--	74	--	--	--	--	--	--	--
White River (SD)	--	--	--	74	--	--	--	--	--	--	--
Radford Mun Power Plant	--	--	--	209	--	--	--	--	--	--	--
Radford (VA)	--	--	--	209	--	--	--	--	--	--	--
Rantoul, Village Of, Lt & Pwr											
Dept	--	--	--	--	--	--	--	--	--	--	*
Rantoul (IL)	--	--	--	--	--	--	--	--	--	--	*
Raton Public Service Company	2,929	--	--	--	--	--	2	--	--	2	--
Raton (NM)	2,929	--	--	--	--	--	2	--	--	2	--
Rayne Elec Lt & Pwr	--	--	--	--	--	--	--	--	--	--	--
Rayne (LA)	--	--	--	--	--	--	--	--	--	--	--
Red Bud City Of	--	--	--	--	--	--	--	--	--	--	1
Red Bud (IL)	--	--	--	--	--	--	--	--	--	--	1
Red Cloud City Of Mun Lt & Pwr	--	3	--	--	--	--	--	*	--	--	*
Red Cloud (NE)	--	3	--	--	--	--	--	*	--	--	*
Redding City Of	--	--	--	600	--	--	--	--	--	--	--
Whiskeytown (CA)	--	--	--	600	--	--	--	--	--	--	--
Redlands Water & Power Co	--	--	--	938	--	--	--	--	--	--	--
Redlands (CO)	--	--	--	938	--	--	--	--	--	--	--
Redwood Falls Pub Util Comm	--	88	--	133	--	--	--	*	--	--	2
Redwood Falls (MN)	--	88	--	133	--	--	--	*	--	--	2

See for notes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Rensselaer City Of Mun Power											
Plant	--	7	--	--	--	--	--	*	--	--	*
Rensselaer (IN)	--	7	--	--	--	--	--	*	--	--	*
Renwick Light & Power Plant	--	--	--	--	--	--	--	--	--	--	--
Renwick (IA)	--	--	--	--	--	--	--	--	--	--	--
Rich Hill City Of	--	--	--	--	--	--	--	--	--	--	--
Rich Hill (MO)	--	--	--	--	--	--	--	--	--	--	--
Richmond Power & Light	28,831	25	--	--	--	--	14	*	--	81	1
Whitewater Valley (IN)	28,831	25	--	--	--	--	14	*	--	81	1
River Falls Municipal Utilities	--	4	39	232	--	--	--	*	*	--	3
Junction (WI)	--	4	39	156	--	--	--	*	*	--	3
Powell Falls (WI)	--	--	--	76	--	--	--	--	--	--	--
Robstown City Of	--	199	2,700	--	--	--	--	*	50	--	7
Robstown (TX)	--	199	2,700	--	--	--	--	*	50	--	7
Rochelle Municipal Utilities	--	--	--	--	--	--	--	*	*	--	1
Rochelle No. 1 (IL)	--	--	--	--	--	--	--	*	*	--	1
Rochelle No. 2 (IL)	--	--	--	--	--	--	--	--	--	--	*
Rochester City Of Elec Dept	--	-9	--	1,234	--	--	--	*	3	7	2
Cascade Creek (MN)	--	-9	--	--	--	--	--	*	--	--	2
Rochester (MN)	--	--	--	1,234	--	--	--	--	--	--	--
Silver Lake (MN)	--	--	--	--	--	--	--	--	3	7	--
Rochester Gas & Elec Corp	71,860	312	4	9,951	357,709	--	30	1	*	76	3
Ginna (NY)	--	--	--	--	357,709	--	--	--	--	--	--
Station 160 (NY)	--	--	--	151	--	--	--	--	--	--	--
Station 170 (NY)	--	--	--	59	--	--	--	--	--	--	--
Station 172 (NY)	--	--	--	4	--	--	--	--	--	--	--
Station 2 (NY)	--	--	--	3,092	--	--	--	--	--	--	--
Station 26 (NY)	--	--	--	782	--	--	--	--	--	--	--
Station 3 (NY)	--	-174	--	--	--	--	--	*	--	14	2
Station 5 (NY)	--	--	--	5,863	--	--	--	--	--	--	--
Station 7 (NY)	71,860	486	--	--	--	--	30	1	--	62	1
Station 9 (NY)	--	--	4	--	--	--	--	--	*	--	--
Rock Port Bd Of Public Works	--	1	10	--	--	--	--	*	*	--	*
Rockport (MO)	--	1	10	--	--	--	--	*	*	--	*
Rock Rapids City Of (Util Div)	--	--	--	--	--	--	--	*	--	--	*
Rock Rapids (IA)	--	--	--	--	--	--	--	*	--	--	*
Rockford Mun Light Plant	--	--	--	--	--	--	--	--	--	--	--
Rockford (IA)	--	--	--	--	--	--	--	--	--	--	--
Rockville Center El Lt Dept	--	-11	-13	--	--	--	--	*	1	--	2
Rockville (NY)	--	-11	-13	--	--	--	--	*	1	--	2
Roseau, Village Of	--	--	--	--	--	--	--	--	--	--	*
Roseau (MN)	--	--	--	--	--	--	--	--	--	--	*
Russell City Of	--	198	2,002	--	--	--	--	*	21	--	1
Russell (KS)	--	198	2,002	--	--	--	--	*	21	--	1
Ruston Water & Light Plant	--	--	15,984	--	--	--	--	--	186	--	--
Ruston (LA)	--	--	15,984	--	--	--	--	--	186	--	--
Sabetha City Of	--	11	105	--	--	--	--	*	*	--	2
Sabetha (KS)	--	11	105	--	--	--	--	*	*	--	2
Sacramento Municipal Utility Dist	--	19	90	69,819	--	78,896	--	*	2	--	3
Camino (CA)	--	--	--	15,010	--	--	--	--	--	--	--
Camp Far W (CA)	--	--	--	-7	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Sacramento Municipal Utility Dist											
Coldwater Creek (CA)	--	--	--	--	--	37,397	--	--	--	--	--
Jaybird (CA)	--	--	--	24,825	--	--	--	--	--	--	--
Jones Fork (CA)	--	--	--	1,205	--	--	--	--	--	--	--
Loon Lake (CA)	--	--	--	9,487	--	--	--	--	--	--	--
McClellan (CA)	--	19	90	--	--	--	--	*	2	--	3
Robbs Peak (CA)	--	--	--	2,687	--	--	--	--	--	--	--
Slab Creek (CA)	--	--	--	260	--	--	--	--	--	--	--
Smudgeo (CA)	--	--	--	--	--	41,320	--	--	--	--	--
Solar (CA)	--	--	--	--	--	179	--	--	--	--	--
Union Valley (CA)	--	--	--	2,270	--	--	--	--	--	--	--
White Rock (CA)	--	--	--	14,082	--	--	--	--	--	--	--
Safe Harbor Water Power Corp ...	--	--	--	31,431	--	--	--	--	--	--	--
Safe Harbor (PA)	--	--	--	31,431	--	--	--	--	--	--	--
Salt River Proj Agri Imp Pwr Dist	2,055,796	1,618	22,737	20,810	--	--	954	3	234	2,337	466
* Central Storage *	--	--	--	--	--	--	--	--	--	--	23
Agua Fria (AZ)	--	--	-454	--	--	--	--	--	6	--	211
Coronado (AZ)	471,744	394	--	--	--	--	241	1	--	825	22
Croascut (AZ)	--	--	--	--	--	--	--	--	--	--	--
Horse Mesa (AZ)	--	--	--	9,819	--	--	--	--	--	--	--
Kyrene (AZ)	--	10	-25	--	--	--	--	*	5	--	64
Mormon Flat (AZ)	--	--	--	8,040	--	--	--	--	--	--	--
Navajo (AZ)	1,584,052	1,178	--	--	--	--	713	2	--	1,512	41
Roosevelt (AZ)	--	--	--	--	--	--	--	--	--	--	--
San Tan (AZ)	--	36	23,216	--	--	--	--	*	223	--	105
South Con (AZ)	--	--	--	62	--	--	--	--	--	--	--
Stewart Mtn (AZ)	--	--	--	2,889	--	--	--	--	--	--	--
San Antonio Public Service Bd ...	678,301	2,305	444,773	--	--	--	405	4	4,561	591	426
Braunig, V H (TX)	--	--	189,741	--	--	--	--	--	1,978	--	203
Deely, J T (TX)	291,985	1,582	--	--	--	--	182	3	--	591	170
J K Spruce (TX)	386,316	--	70	--	--	--	224	--	1	--	--
Leon Creek (TX)	--	--	-149	--	--	--	--	--	--	--	2
Mission Road (TX)	--	--	-171	--	--	--	--	--	--	--	--
Sommers, O W (TX)	--	38	233,257	--	--	--	--	*	2,347	--	--
Tuttle, W B (TX)	--	685	22,025	--	--	--	--	1	236	--	51
San Diego Gas & Electric											
Company	--	128	417,947	--	--	--	--	*	4,390	--	1,226
* Central Storage *	--	--	--	--	--	--	--	--	--	--	--
Division (CA)	--	44	--	--	--	--	--	--	--	--	--
El Cajon (CA)	--	1	28	--	--	--	--	*	1	--	1
Encina (CA)	--	14	209,973	--	--	--	--	*	2,265	--	715
Kearny (CA)	--	53	286	--	--	--	--	*	5	--	23
Miramar (CA)	--	2	962	--	--	--	--	*	16	--	4
Naval Station (CA)	--	--	33	--	--	--	--	--	*	--	14
Naval Training Cntr (CA)	--	5	102	--	--	--	--	*	2	--	1
North Island (CA)	--	--	14	--	--	--	--	--	*	--	4
Silver Gate (CA)	--	--	--	--	--	--	--	--	--	--	--
South Bay (CA)	--	9	206,549	--	--	--	--	*	2,103	--	464
Station B (CA)	--	--	--	--	--	--	--	--	--	--	--
San Miguel Electric Coop	199,035	1,828	--	--	--	--	233	4	--	270	17
San Miguel (TX)	199,035	1,828	--	--	--	--	233	4	--	270	17
Sanborn Municipal Light Plant	--	--	--	--	--	--	--	--	--	--	--
Sanborn (IA)	--	--	--	--	--	--	--	--	--	--	--
Santa Clara City Of	--	6	4,132	290	--	--	--	*	62	--	2
Black Butte (CA)	--	--	--	--	--	--	--	--	--	--	--
Cogen Plant (CA)	--	--	4,098	--	--	--	--	--	62	--	--
Gianera (CA)	--	6	34	--	--	--	--	*	1	--	2
Highline (CA)	--	--	--	64	--	--	--	--	--	--	--
Stony Gorge (CA)	--	--	--	226	--	--	--	--	--	--	--
Sargent City Of	--	--	--	--	--	--	--	--	--	--	*
Sargent (NE)	--	--	--	--	--	--	--	--	--	--	*

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Savannah Electric & Power Co	16,879	225	1,701	--	--	--	8	*	23	144	52
Boulevard (GA)	--	102	--	--	--	--	--	*	--	--	12
McIntosh (GA)	1,016	123	--	--	--	--	*	*	--	81	*
Port Wentworth (GA)	15,863	--	1,680	--	--	--	8	--	22	83	39
Riverside (GA)	--	--	21	--	--	--	--	--	1	--	--
Seaford Lt & Power	--	157	--	--	--	--	--	*	--	--	2
Seaford (DE)	--	157	--	--	--	--	--	*	--	--	2
Seattle Dept Of Lighting	--	--	--	488,762	--	--	--	--	--	--	--
Boundary (WA)	--	--	--	340,824	--	--	--	--	--	--	--
Cedar Falls (WA)	--	--	--	4,030	--	--	--	--	--	--	--
Diablo (WA)	--	--	--	43,835	--	--	--	--	--	--	--
Gorge (WA)	--	--	--	55,349	--	--	--	--	--	--	--
New Halem (WA)	--	--	--	-1	--	--	--	--	--	--	--
Ross Dam (WA)	--	--	--	44,725	--	--	--	--	--	--	--
Sebewaing Lt & Wtr Dept	--	--	--	--	--	--	--	--	--	--	*
Main Street (MI)	--	--	--	--	--	--	--	--	--	--	*
Pine Street (MI)	--	--	--	--	--	--	--	--	--	--	--
Sequin City Of	--	2	--	79	--	--	--	*	--	--	*
Sequin (TX)	--	2	--	79	--	--	--	*	--	--	*
Seminole Electric Coop Inc	598,427	2,482	--	--	--	--	253	4	--	468	5
Seminole (FL)	598,427	2,482	--	--	--	--	253	4	--	468	5
Seward Electric System	--	--	--	--	--	--	--	--	--	--	--
Schoonmaker (AK)	--	--	--	--	--	--	--	--	--	--	--
Sharon Springs City Of	--	--	4	--	--	--	--	*	*	--	*
Sharon Spring ('3)	--	--	4	--	--	--	--	*	*	--	*
Shelby Mun Light Plant	5,869	--	27	--	--	--	4	--	*	9	*
Shelby (OH)	5,869	--	27	--	--	--	4	--	*	9	*
Sho Me Power Cooperative	--	--	--	1,432	--	--	--	--	--	--	--
Niangua (MO)	--	--	--	1,432	--	--	--	--	--	--	--
Shrewsbury El Lt Plant	--	-58	--	--	--	--	--	--	--	--	1
Shrewsbury (MA)	--	-58	--	--	--	--	--	--	--	--	1
Sibley Municipal Utilities	--	--	--	--	--	--	--	--	--	--	--
Sibley (IA)	--	--	--	--	--	--	--	--	--	--	--
Sibley (IA)	--	--	--	--	--	--	--	--	--	--	--
Sidney City Of (Electric Util)	--	3	9	--	--	--	--	*	*	--	1
Sidney (NE)	--	3	9	--	--	--	--	*	*	--	1
Sierra Pacific Power Company	309,810	239	141,178	677	--	--	153	1	1,503	232	277
Battle Mt (NV)	--	-31	--	--	--	--	--	*	--	--	*
Brunswick (NV)	--	-16	--	--	--	--	--	*	--	--	*
Elko (NV)	--	-8	--	--	--	--	--	--	--	--	*
Fallon (NV)	--	-1	--	--	--	--	--	--	--	--	--
Farad (CA)	--	--	--	-12	--	--	--	--	--	--	--
Fleish (NV)	--	--	--	-1	--	--	--	--	--	--	--
Fort Churchill (NV)	--	--	81,175	--	--	--	--	--	811	--	135
Gabbs (NV)	--	-14	--	--	--	--	--	--	--	--	1
Kings Beach (CA)	--	-42	--	--	--	--	--	*	--	--	1
Lahontan (NV)	--	--	--	605	--	--	--	--	--	--	--
North Valmy (NV)	309,810	440	--	--	--	--	153	1	--	232	3
Portola (CA)	--	-28	--	--	--	--	--	*	--	--	*
Tracy (NV)	--	-39	60,003	--	--	--	--	*	693	--	136
Valley Road (NV)	--	-18	--	--	--	--	--	--	--	--	*
Verdi (NV)	--	--	--	-2	--	--	--	--	--	--	--
Washoe (NV)	--	--	--	-6	--	--	--	--	--	--	--
Winnemucca (NV)	--	-4	--	--	--	--	--	--	--	--	*
26 Foot Drop (NV)	--	--	--	93	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Sikeston Bd Of Mun Utilities	73,751	52,330	--	--	--	--	34	*	--	146	3
Coleman, E. P. (MO)	--	8	--	--	--	--	--	*	--	--	*
Sikeston (MO)	73,751	52,322	--	--	--	--	34	*	--	146	3
Sioux Center Mun Lt & Pwr	--	--	--	--	--	--	--	--	--	--	--
Sioux Center (IA)	--	--	--	--	--	--	--	--	--	--	--
Sitka City Of (Electric Dept)	--	25	--	5,322	--	--	--	--	--	--	4
Blue Lake (AK)	--	--	--	1,306	--	--	--	--	--	--	--
Blue Lake Fish (AK)	--	--	--	247	--	--	--	--	--	--	--
Blue Lake Pulp (AK)	--	--	--	72	--	--	--	--	--	--	--
Green Lake (AK)	--	--	--	3,697	--	--	--	--	--	--	--
Indian River (AK)	--	25	--	--	--	--	--	*	--	--	4
Skaneateles City Of	--	--	--	--	--	--	--	--	--	--	--
Skaneateles (NY)	--	--	--	--	--	--	--	--	--	--	--
Sleepy Eye Public Util Comm	--	28	--	--	--	--	--	*	--	*	*
Sleepy Eye (MN)	--	28	--	--	--	--	--	*	--	*	*
Soda Springs City Of	--	--	--	207	--	--	--	--	--	--	--
Soda Springs 1 (ID)	--	--	--	96	--	--	--	--	--	--	--
Soda Springs 2 (ID)	--	--	--	111	--	--	--	--	--	--	--
South Beloit Wtr Gas & Elec Co ..	--	--	--	680	--	--	--	--	--	--	--
Rockton (IL)	--	--	--	680	--	--	--	--	--	--	--
South Carolina Public Service											
Auth	842,483	645	--	18,551	--	--	303	1	*	591	118
Cross (SC)	341,605	46	--	--	--	--	127	*	--	183	5
Grainger, Dolphus M (SC)	19,558	103	--	--	--	--	8	*	--	35	*
Hilton Head (SC)	--	-63	--	--	--	--	--	--	--	--	27
Jefferies (SC)	23,989	66	--	17,585	--	--	11	*	--	103	47
Myrtle Beach (SC)	--	8	--	--	--	--	--	*	*	--	32
Spillway (SC)	--	--	--	1,103	--	--	--	--	--	--	--
St. Stephen (SC)	--	--	--	-137	--	--	--	--	--	--	--
Winyah (SC)	457,331	485	--	--	--	--	158	1	--	291	6
South Mississippi Elec Pwr Assn	261,052	681	24,642	--	--	--	112	1	312	193	45
Berndale (MS)	--	--	--	--	--	--	--	--	--	--	--
Morrow (MS)	261,052	45	--	--	--	--	112	*	--	193	10
Moselle (MS)	--	636	24,642	--	--	--	--	1	312	--	34
Paulding (MS)	--	--	--	--	--	--	--	--	--	--	1
South Norwalk Elec Wks, The	--	101	--	--	--	--	--	*	--	--	2
South Norwalk (CT)	--	101	--	--	--	--	--	*	--	--	2
South Texas Elec Coop, Inc	--	--	46	--	--	--	--	--	1	--	--
Rayburn, Sam (TX)	--	--	46	--	--	--	--	--	1	--	--
Southern California Edison											
Company	553,256	2,431	1,906,253	326,844	1,019,860	--	450	5	18,379	607	4,557
* Central Storage *	--	--	--	--	--	--	--	--	--	--	774
Alamitos (CA)	--	--	457,913	--	--	--	--	--	4,478	--	531
Baker Dam (CA)	--	--	--	--	--	--	--	--	--	--	--
Big Creek 1 (CA)	--	--	--	35,739	--	--	--	--	--	--	--
Big Creek 2 (CA)	--	--	--	29,024	--	--	--	--	--	--	--
Big Creek 2a (CA)	--	--	--	25,822	--	--	--	--	--	--	--
Big Creek 3 (CA)	--	--	--	66,184	--	--	--	--	--	--	--
Big Creek 4 (CA)	--	--	--	28,889	--	--	--	--	--	--	--
Big Creek 8 (CA)	--	--	--	18,825	--	--	--	--	--	--	--
Bishop Creek 2 (CA)	--	--	--	3,158	--	--	--	--	--	--	--
Bishop Creek 3 (CA)	--	--	--	2,883	--	--	--	--	--	--	--
Bishop Creek 4 (CA)	--	--	--	3,863	--	--	--	--	--	--	--
Bishop Creek 5 (CA)	--	--	--	1,609	--	--	--	--	--	--	--
Bishop Creek 6 (CA)	--	--	--	893	--	--	--	--	--	--	--
Borel (CA)	--	--	--	5,121	--	--	--	--	--	--	--
Cool Water (CA)	--	--	184,454	--	--	--	--	--	1,679	--	427

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Southern California Edison Company											
Eastwood (CA)	--	--	--	12,484	--	--	--	--	--	--	--
El Segundo (CA)	--	--	191,939	--	--	--	--	--	1,831	--	290
Ellwood (CA)	--	--	325	--	--	--	--	--	4	--	--
Etiwanda (CA)	--	--	208,517	--	--	--	--	--	2,059	--	601
Fontana (CA)	--	--	--	1,000	--	--	--	--	--	--	--
Highgrove (CA)	--	--	432	--	--	--	--	--	8	--	43
Huntington Beach (CA) ..	--	--	124,365	--	--	--	--	--	1,206	--	180
Kaweah 1 (CA)	--	--	--	28	--	--	--	--	--	--	--
Kaweah 2 (CA)	--	--	--	--	--	--	--	--	--	--	--
Kaweah 3 (CA)	--	--	--	428	--	--	--	--	--	--	--
Kern River 1 (CA)	--	--	--	16,978	--	--	--	--	--	--	--
Kern River 3 (CA)	--	--	--	5,787	--	--	--	--	--	--	--
Long Beach (CA)	--	--	45,882	--	--	--	--	--	498	--	124
Lundy (CA)	--	--	--	433	--	--	--	--	--	--	--
Lytle Creek (CA)	--	--	--	338	--	--	--	--	--	--	--
Mammoth Pool (CA)	--	--	--	49,568	--	--	--	--	--	--	--
Mandalay (CA)	--	420	141,523	--	--	--	--	1	1,312	--	439
Mill Creek 1 (CA)	--	--	--	600	--	--	--	--	--	--	--
Mill Creek 2&3 (CA)	--	--	--	--	--	--	--	--	--	--	--
Mill Creek 3 (CA)	--	--	--	1,315	--	--	--	--	--	--	--
Mohave (NV)	553,258	--	13,360	--	--	--	450	--	231	607	--
Ontario 1 (CA)	--	--	--	453	--	--	--	--	--	--	--
Ontario 2 (CA)	--	--	--	157	--	--	--	--	--	--	--
Ormond Beach (CA)	--	--	286,154	--	--	--	--	--	2,639	--	781
Pebbly Beach (CA)	--	2,011	--	--	--	--	--	4	--	--	4
Poole (CA)	--	--	--	1,172	--	--	--	--	--	--	--
Portal (CA)	--	--	--	4,344	--	--	--	--	--	--	--
Redondo Beach (CA)	--	--	253,258	--	--	--	--	--	2,431	--	290
Rush Creek (CA)	--	--	--	5,946	--	--	--	--	--	--	--
San Bernardino (CA)	--	--	131	--	--	--	--	--	4	--	72
San Geronio (CA)	--	--	--	250	--	--	--	--	--	--	--
San Geronio (CA)	--	--	--	--	--	--	--	--	--	--	--
San Onofre (CA)	--	--	--	--	1,019,860	--	--	--	--	--	--
Santa Ana 1 (CA)	--	--	--	1,507	--	--	--	--	--	--	--
Santa Ana 2 (CA)	--	--	--	758	--	--	--	--	--	--	--
Santa Ana 3 (CA)	--	--	--	623	--	--	--	--	--	--	--
Sierra (CA)	--	--	--	330	--	--	--	--	--	--	--
Tule River (CA)	--	--	--	357	--	--	--	--	--	--	--
Southern Illinois Power Coop	58,885	159	--	--	--	--	35	*	--	306	3
Marion (IL)	58,885	159	--	--	--	--	35	*	--	306	3
Southern Indiana Gas & Electric Co											
Co	372,713	83	1,164	--	--	--	180	*	13	441	3
A. B. Brown (IN)	114,798	--	711	--	--	--	54	--	8	196	2
Broadway (IN)	--	--	98	--	--	--	--	--	1	--	1
Culley (IN)	167,275	83	130	--	--	--	82	*	1	148	*
Northeast (IN)	--	--	21	--	--	--	--	--	1	--	--
Warrick (IN)	90,640	--	204	--	--	--	43	--	2	98	--
Southwest Public Power District											
Palisade (NE)	--	--	--	--	--	--	--	--	--	--	--
Southwestern Elec Power Co (CSW)											
Arsenal Hill (LA)	1,250,660	1,947	262,975	--	--	--	890	3	2,855	1,594	118
Flint Creek (AR)	214,822	449	8,554	--	--	--	140	1	97	193	9
Knox Lee (TX)	--	--	30,644	--	--	--	--	--	309	--	66
Lieberman (LA)	--	--	-276	--	--	--	--	--	--	--	20
Lone Star (TX)	--	--	-23	--	--	--	--	--	--	--	14
Pirkey (TX)	440,985	--	779	--	--	--	352	--	8	273	--
Welsh (TX)	594,853	1,290	--	--	--	--	399	2	--	1,128	9
Wilkes (TX)	--	208	223,297	--	--	--	--	*	2,441	--	*
Southwestern Public Service Co ..	1,339,912	82	384,013	--	--	15,768	753	*	3,989	684	87
Carlsbad (NM)	--	--	27	--	--	--	--	--	*	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Southwestern Public Service Co											
Celanese (TX)	--	--	--	--	--	15,768	--	--	--	--	--
Cunningham (NM)	--	--	27,035	--	--	--	--	--	307	--	--
Harrington (TX)	618,052	--	258	--	--	--	350	--	3	255	--
Jones (TX)	--	66	135,546	--	--	--	--	*	1,358	--	56
Maddox (NM)	--	--	58,512	--	--	--	--	--	567	--	--
Nichols (TX)	--	--	141,402	--	--	--	--	--	1,490	--	--
Plant X (TX)	--	--	23,233	--	--	--	--	--	265	--	31
Tolk Station (TX)	721,860	--	--	--	--	--	404	--	*	409	--
Tucumcari (NM)	--	16	--	--	--	--	--	*	--	--	1
Soyland Power Coop, Inc	14,967	22	--	--	--	--	9	*	--	11	3
Pearl Station (IL)	14,967	44	--	--	--	--	9	*	--	11	3
Pittsfield (IL)	--	-18	--	--	--	--	--	--	--	--	*
Winchester (IL)	--	-4	--	--	--	--	--	--	--	--	--
Spalding Mun Lt & Pwr Co	--	3	--	20	--	--	--	*	--	--	*
Spalding (NE)	--	3	--	20	--	--	--	*	--	--	*
Spartanburg City Of	--	--	--	--	--	--	--	--	--	--	--
Spartanburg (SC)	--	--	--	--	--	--	--	--	--	--	--
Spencer Municipal Utilities	--	--	--	--	--	--	--	--	--	--	13
Spencer (IA)	--	--	--	--	--	--	--	--	--	--	13
Spring Valley City Of	--	--	--	--	--	--	--	--	--	--	*
Spring Valley (MN)	--	--	--	--	--	--	--	--	--	--	*
Springfield City Of	137,678	141	--	--	--	--	75	*	--	57	8
Dallman (IL)	132,686	79	--	--	--	--	72	*	--	56	--
Factory (IL)	--	1	--	--	--	--	--	*	--	--	3
Lakeview (IL)	4,992	60	--	--	--	--	3	*	--	1	3
Reynolds (IL)	--	1	--	--	--	--	--	*	--	--	2
Springfield City Of	--	--	--	--	--	--	--	--	--	--	--
Springfield (CO)	--	--	--	--	--	--	--	--	--	--	--
Springfield Public Utilities	--	--	--	--	--	--	--	--	--	--	--
Springfield (MN)	--	--	--	--	--	--	--	--	--	--	--
Springfield Utilities	67,843	--	26,220	--	--	--	34	--	302	134	9
James River (MO)	13,543	--	23,500	--	--	--	7	--	272	56	5
Main Street (MO)	--	--	--	--	--	--	--	--	--	--	1
Southwest (MO)	54,200	--	2,720	--	--	--	27	--	30	78	4
Springville Electric System	--	--	--	123	--	--	--	--	--	--	--
Springville (NY)	--	--	--	123	--	--	--	--	--	--	--
Springville Municipal Corporation	--	164	4,197	346	--	--	--	*	48	--	1
Bartholomew (UT)	--	--	--	196	--	--	--	--	--	--	--
Hobble Creek (UT)	--	--	--	72	--	--	--	--	--	--	--
Spring Creek (UT)	--	--	--	53	--	--	--	--	--	--	--
Upper Barth (UT)	--	--	--	25	--	--	--	--	--	--	--
Whitehead (UT)	--	164	4,197	--	--	--	--	*	48	--	1
St Cloud Public Utilities	--	43	305	--	--	--	--	*	4	--	3
St Cloud (FL)	--	43	305	--	--	--	--	*	4	--	3
St Francis City Of	--	--	--	--	--	--	--	--	--	--	*
St Francis (KS)	--	--	--	--	--	--	--	--	--	--	*
St George City Corp Util											
Commission	--	56	--	--	--	--	--	*	--	--	2
Gunlock Hydro (UT)	--	--	--	--	--	--	--	--	--	--	--
No 2 Diesel (ID)	--	56	--	--	--	--	--	*	--	--	1
St. George (UT)	--	--	--	--	--	--	--	--	--	--	1
St John City Of	--	--	--	--	--	--	--	--	--	--	*
St John (KS)	--	--	--	--	--	--	--	--	--	--	*

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
St Joseph Light & Power Co	17,258	56	1,213	--	--	--	9	1	29	36	45
Lake Road (MO)	17,258	56	1,213	--	--	--	9	1	29	36	45
St Louis Electric Utility	--	--	--	--	--	--	--	--	--	--	--
Saint Louis (MI)	--	--	--	--	--	--	--	--	--	--	--
St Marys Mun Lt & Pwr Plant	260	--	--	--	--	--	*	--	--	*	*
Saint Marys (OH)	260	--	--	--	--	--	*	--	--	*	*
Stafford City Of	--	--	--	--	--	--	--	--	--	--	*
Stafford (KS)	--	--	--	--	--	--	--	--	--	--	*
Stanberry Power Co	--	--	--	--	--	--	--	--	--	--	--
Stanberry (MO)	--	--	--	--	--	--	--	--	--	--	--
Starke Mun Lt & Wtr Plant	--	38	340	--	--	--	--	*	6	--	1
Stark (FL)	--	38	340	--	--	--	--	*	6	--	1
State Center Mun Lt Plant	--	1	--	--	--	--	--	*	--	--	*
State Center (IA)	--	1	--	--	--	--	--	*	--	--	*
Sterling City Of	--	1	15	--	--	--	--	*	*	--	2
Sterling (KS)	--	1	15	--	--	--	--	*	*	--	2
Stillwater City Of	--	--	--	--	--	--	--	--	--	--	1
Boomer Lake (OK)	--	--	--	--	--	--	--	--	--	--	1
Stockton City Of	--	2	25	--	--	--	--	*	1	--	*
Stockton (KS)	--	2	25	--	--	--	--	*	1	--	*
Story City Mun Elec Utility	--	--	--	--	--	--	--	--	--	--	--
Story City (IA)	--	--	--	--	--	--	--	--	--	--	--
Strawberry Point Lt & Wtr Dept ..	--	--	--	--	--	--	--	--	--	--	*
Strawberry Point (IA)	--	--	--	--	--	--	--	--	--	--	*
Strawberry Water Users Assoc ...	--	--	--	135	--	--	--	--	--	--	--
Payson (UT)	--	--	--	135	--	--	--	--	--	--	--
Spanish Fork (UT)	--	--	--	--	--	--	--	--	--	--	--
Stuart Light & Power Plant	--	--	--	--	--	--	--	--	--	--	--
Stuart (NE)	--	--	--	--	--	--	--	--	--	--	--
Stuart Light & Power System	--	3	--	--	--	--	--	*	--	--	*
Stuart (IA)	--	3	--	--	--	--	--	*	--	--	*
Sturgis City Of	--	119	922	1,012	--	--	--	*	10	--	1
Centerville (MI)	--	--	--	1,012	--	--	--	--	--	--	--
Sturgis (MI)	--	119	922	--	--	--	--	*	10	--	1
Sullivan City Of	--	21	194	--	--	--	--	*	2	--	2
Sullivan (IL)	--	21	194	--	--	--	--	*	2	--	2
Summer Municipal Light Dept	--	--	--	--	--	--	--	--	--	--	1
Summer (IA)	--	--	--	--	--	--	--	--	--	--	1
Sunflower Electric Coop	119,922	--	3,301	--	--	--	76	--	50	131	--
Garden City (KS)	--	--	1,816	--	--	--	--	--	32	--	--
Holcomb (KS)	119,922	--	1,485	--	--	--	76	--	18	131	--
Superior Water Lt & Pwr Co.	--	--	--	--	--	--	--	--	--	--	--
Winslow (WI)	--	--	--	--	--	--	--	--	--	--	--
Swans Island Electric Coop, Inc ..	--	--	--	--	--	--	--	--	--	--	--
Minturn (ME)	--	--	--	--	--	--	--	--	--	--	--
Swanton Electric Department	--	--	--	4,285	--	--	--	--	--	--	--
Higate Falls (VT)	--	--	--	4,285	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
System Energy Resources	--	--	--	--	--	--	--	--	--	--	--
Grand Gulf (MS)	--	--	--	--	--	--	--	--	--	--	--
SCANA Corporation	879,529	2,552	228	6,191	656,152	--	336	4	2	861	54
Burton (SC)	--	--	--	--	--	--	--	--	--	--	3
Canadys (SC)	48,501	--	136	--	--	--	20	--	1	134	3
Coit (SC)	--	--	--	--	--	--	--	--	--	--	8
Columbia Hydro (SC)	--	--	--	1,686	--	--	--	--	--	--	--
Faber Place (SC)	--	--	6	--	--	--	--	--	--	--	--
Fairfield County (SC)	--	--	--	-13,472	--	--	--	--	--	--	--
Hagood (SC)	--	--	--	--	--	--	--	--	--	--	12
Hardeeville (SC)	--	--	--	--	--	--	--	--	--	--	1
Mcmeekin (SC)	139,147	166	--	--	--	--	52	--	--	103	3
Neal Shoals (SC)	--	--	--	1,091	--	--	--	--	--	--	--
Parr (SC)	--	--	--	3,009	--	--	--	--	--	--	--
Parr Hydro (SC)	--	--	--	8,091	--	--	--	--	--	--	--
Saluda Hydro (SC)	--	--	--	5,786	--	--	--	--	--	--	--
Stevens Creek Hydro (GA)	--	--	--	--	--	--	--	--	--	--	--
Urquhart (SC)	53,497	--	86	--	--	--	21	--	1	121	1
V. C. Summer (SC)	--	--	--	--	656,152	--	--	--	--	--	--
Wateree (SC)	287,279	2,386	--	--	--	--	112	4	--	287	9
Williams (SC)	351,105	--	--	--	--	--	131	--	--	215	14
Tacoma Dept Of Pub Util (Light Div)	2,251	--	86	143,012	--	8,432	3	--	2	*	--
Alder (WA)	--	--	--	12,733	--	--	--	--	--	--	--
Cushman 1 (WA)	--	--	--	9,019	--	--	--	--	--	--	--
Cushman 2 (WA)	--	--	--	15,053	--	--	--	--	--	--	--
La Grande (WA)	--	--	--	20,431	--	--	--	--	--	--	--
Mayfield (WA)	--	--	--	33,380	--	--	--	--	--	--	--
Mossyrock (WA)	--	--	--	52,396	--	--	--	--	--	--	--
Steam Plant 2 (WA)	2,251	--	86	--	--	8,432	3	--	2	*	--
Tallahassee City Of	--	577	119,952	121	--	--	--	1	1,305	--	240
Hopkins, Arvah B (FL)	--	--	96,603	--	--	--	--	--	997	--	120
Jackson Bluff (FL)	--	--	--	121	--	--	--	--	--	--	--
Purdum, S O (FL)	--	577	23,349	--	--	--	--	1	307	--	120
Tampa Electric Company	1,332,950	6,592	-39	--	--	--	558	16	--	1,402	187
* Central Storage *	--	--	--	--	--	--	--	--	--	718	--
Big Bend (FL)	1,058,904	2,313	--	--	--	--	442	4	--	383	56
Gannon, F J (FL)	274,046	1,873	--	--	--	--	116	3	--	300	6
Hookers Point (FL)	--	1,138	--	--	--	--	--	6	--	--	91
S Dinner Lk (FL)	--	--	-39	--	--	--	--	--	--	--	1
S Phillips (FL)	--	1,268	--	--	--	--	--	3	--	--	13
Tapoco, Inc	--	--	--	--	--	--	--	--	--	--	--
Calderwood (TN)	--	--	--	--	--	--	--	--	--	--	--
Cheoah (NC)	--	--	--	--	--	--	--	--	--	--	--
Chilhowee (TN)	--	--	--	--	--	--	--	--	--	--	--
Santeetlah (NC)	--	--	--	--	--	--	--	--	--	--	--
Taunton Mun Lighting Plant	--	4,097	1,359	--	--	--	--	9	17	--	56
Cleary, B F (MA)	--	4,097	1,359	--	--	--	--	9	17	--	56
Tecumseh Utility Auth	--	16	12	--	--	--	--	*	*	--	*
Tecumseh (NE)	--	16	12	--	--	--	--	*	*	--	*
Tennessee Valley Authority	7,923,094	13,809	1,132	668,678	815,779	--	3,252	24	11	3,805	692
Allen (TN)	288,206	2,443	--	--	--	--	114	4	--	167	155
Apalachia (TN)	--	--	--	41,567	--	--	--	--	--	--	--
Blue Ridge (GA)	--	--	--	2,264	--	--	--	--	--	--	--
Boone (TN)	--	--	--	10,169	--	--	--	--	--	--	--
Browns Ferry (AL)	--	--	--	--	806,339	--	--	--	--	--	--
Bull Run (TN)	595,698	1,105	--	--	--	--	206	2	--	262	4
Chatuge (NC)	--	--	--	1,930	--	--	--	--	--	--	--
Cherokee (TN)	--	--	--	19,075	--	--	--	--	--	--	--
Chickamauga (TN)	--	--	--	44,188	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Tennessee Valley Authority											
Colbert (AL)	595,537	740	1,132	—	—	—	250	1	11	439	120
Cumberland (TN)	1,022,369	3,806	—	—	—	—	428	7	—	517	5
Douglas (TN)	—	—	—	17,051	—	—	—	—	—	—	—
Fontana (NC)	—	—	—	58,386	—	—	—	—	—	—	—
Fort Loudoun (TN)	—	—	—	43,561	—	—	—	—	—	—	—
Fort Patrick Henry (TN)	—	—	—	6,271	—	—	—	—	—	—	—
Gallatin (TN)	576,376	669	—	—	—	—	220	1	—	176	140
Great Falls (TN)	—	—	—	1,536	—	—	—	—	—	—	—
Guntersville (AL)	—	—	—	38,654	—	—	—	—	—	—	—
Hiwassee (NC)	—	—	—	19,604	—	—	—	—	—	—	—
Johnsonville (TN)	682,113	3,373	—	—	—	—	315	6	—	379	254
Kentucky (KY)	—	—	—	62,131	—	—	—	—	—	—	—
Kingston (TN)	883,042	237	—	—	—	—	344	*	—	317	3
Melton Hill (TN)	—	—	—	7,101	—	—	—	—	—	—	—
Nickajack (TN)	—	—	—	34,630	—	—	—	—	—	—	—
Norris (TN)	—	—	—	22,832	—	—	—	—	—	—	—
Nottely (GA)	—	—	—	2,312	—	—	—	—	—	—	—
Ocoee 1 (TN)	—	—	—	5,320	—	—	—	—	—	—	—
Ocoee 2 (TN)	—	—	—	2,840	—	—	—	—	—	—	—
Ocoee 3 (TN)	—	—	—	15,096	—	—	—	—	—	—	—
Paradise (KY)	1,103,891	13	—	—	—	—	461	*	—	746	5
Pickwick (TN)	—	—	—	56,492	—	—	—	—	—	—	—
Raccoon Mountain (TN)	—	—	—	47,921	—	—	—	—	—	—	—
Sequoyah (TN)	—	—	—	—	9,440	—	—	—	—	—	—
Sevier, John (TN)	418,912	14	—	—	—	—	155	*	—	193	1
Shawnee (KY)	806,313	462	—	—	—	—	341	1	—	320	2
South Holston (TN)	—	—	—	6,999	—	—	—	—	—	—	—
Tims Ford (TN)	—	—	—	2,018	—	—	—	—	—	—	—
Watauga (TN)	—	—	—	8,200	—	—	—	—	—	—	—
Watts Bar (TN)	-124	—	—	—	—	—	—	—	—	—	—
Watts Bar (TN)	—	—	—	44,062	—	—	—	—	—	—	—
Wheeler (AL)	—	—	—	46,832	—	—	—	—	—	—	—
Widows Creek (AL)	950,761	947	—	—	—	—	419	2	—	289	2
Wilbur (TN)	—	—	—	1,360	—	—	—	—	—	—	—
Wilson (AL)	—	—	—	94,118	—	—	—	—	—	—	—
Texas Municipal Power Agency ...											
Gibbons Creek (TX)	89,072	—	815	—	—	—	114	—	10	127	9
	89,072	—	815	—	—	—	114	—	10	127	9
Texas Utils Electric Co (TU)											
Big Brown (TX)	2,620,031	7,027	2,146,883	—	910,609	—	2,432	13	21,655	1,847	2,386
Collin (TX)	386,781	—	5,238	—	—	—	329	—	63	313	—
Comanche Peak (TX)	—	—	-159	—	—	—	—	—	—	—	65
Dallas (TX)	—	—	-227	—	910,609	—	—	—	*	—	44
De Cordova (TX)	—	—	377,441	—	—	—	—	—	3,691	—	195
Eagle Mountain (TX)	—	—	14,961	—	—	—	—	—	195	—	71
Graham (TX)	—	—	76,537	—	—	—	—	—	758	—	58
Handley (TX)	—	—	215,770	—	—	—	—	—	2,131	—	252
Lake Creek (TX)	—	—	97,408	—	—	—	—	—	903	—	117
Lake Hubbard (TX)	—	—	109,483	—	—	—	—	—	1,199	—	216
Martin Lake (TX)	870,095	3,859	—	—	—	—	714	7	—	525	53
Monticello (TX)	1,147,026	2,065	—	—	—	—	1,037	4	—	319	26
Morgan Creek (TX)	—	—	246,069	—	—	—	—	—	2,503	—	250
Mountain Creek (TX)	—	—	125,452	—	—	—	—	—	1,309	—	148
North Lake (TX)	—	—	112,780	—	—	—	—	—	1,227	—	167
North Main (TX)	—	—	-134	—	—	—	—	—	—	—	14
Parkdale (TX)	—	—	-303	—	—	—	—	—	*	—	50
Permian Basin (TX)	—	978	280,709	—	—	—	—	2	2,871	—	233
River Crest (TX)	—	—	-115	—	—	—	—	—	—	—	31
Sandow (TX)	416,129	95	—	—	—	—	353	*	—	690	—
Stryker Creek (TX)	—	30	171,598	—	—	—	—	*	1,646	—	76
Tradinghouse Creek (TX)	—	—	54,921	—	—	—	—	—	571	—	181
Trinidad (TX)	—	—	-363	—	—	—	—	*	—	—	35
Valley (TX)	—	—	259,817	—	—	—	—	—	2,558	—	103
Texas-New Mexico Power Co											
Lordsburg (NM)	209,604	—	126	—	—	—	163	—	2	119	—
TNP One (TX)	209,604	—	126	—	—	—	163	—	2	119	—

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Thief River Falls Wtr & Lt Dept ... Thief River Falls (MN)	--	--	--	266	--	--	--	--	--	--	*
Thumb Elec Coop Of Michigan Caro (MI)	--	--	--	--	--	--	--	*	--	--	*
Ubyl (MI)	--	--	--	--	--	--	--	*	--	--	*
Tipton Mun Utilities	--	--	--	--	--	--	--	--	--	--	*
Tipton (IA)	--	--	--	--	--	--	--	--	--	--	*
Toledo Edison Company	264,084	137	--	--	618,932	--	97	*	*	205	6
Acme (OH)	--	--	--	--	--	--	--	--	--	19	*
Bay Shore (OH)	264,084	137	--	--	--	--	97	*	--	186	3
Davis-Besse (OH)	--	--	--	--	618,932	--	--	--	--	--	--
Richland (OH)	--	--	--	--	--	--	--	*	*	--	2
Stryker (OH)	--	--	--	--	--	--	--	--	--	--	1
Traer Municipal Utilities	--	--	3	--	--	--	--	--	*	--	*
Traer (IA)	--	--	3	--	--	--	--	--	*	--	*
Traverse City Of	1,067	--	--	1,029	--	--	1	--	--	18	--
Bayside (MI)	1,067	--	--	--	--	--	1	--	--	18	--
Boardman (MI)	--	--	--	470	--	--	--	--	--	--	--
Brown Bridge (MI)	--	--	--	251	--	--	--	--	--	--	--
Elk Rapids (MI)	--	--	--	111	--	--	--	--	--	--	--
Sabin (MI)	--	--	--	197	--	--	--	--	--	--	--
Trenton Light & Power Plant	--	--	--	--	--	--	--	--	--	--	--
Trenton (NE)	--	--	--	--	--	--	--	--	--	--	--
Trenton Municipal Utilities	--	59	--	--	--	--	--	*	--	--	3
Trenton (MO)	--	59	--	--	--	--	--	*	--	--	*
Trenton PKG (MO)	--	--	--	--	--	--	--	--	--	--	2
Tri State Gen & Trans Assn, Inc. ..	813,154	417	726	--	--	--	415	1	7	939	19
Burlington (CO)	--	97	--	--	--	--	--	*	--	--	16
Craig (CO)	754,093	--	726	--	--	--	378	--	7	930	2
Nucila (CO)	59,061	320	--	--	--	--	37	1	--	9	*
Trinidad Mun Pwr & Lt Dept	-25	-4	--	--	--	--	--	*	--	1	1
Trinidad (CO)	-25	-4	--	--	--	--	--	*	--	1	1
Truman Public Util Comm	--	--	--	--	--	--	--	--	--	--	*
Truman (MN)	--	--	--	--	--	--	--	--	--	--	*
Tucson Electric Power Company ..	519,324	537	-645	--	--	--	287	1	11	160	19
De Moss Petrie (AZ)	--	--	-11	--	--	--	--	--	--	--	4
Irvington (AZ)	55,412	--	-581	--	--	--	28	--	11	13	5
North Loop (AZ)	--	--	-53	--	--	--	--	--	--	--	7
Springerville (AZ)	463,912	537	--	--	--	--	259	1	--	147	3
Tulia Light & Power Plant	--	--	--	--	--	--	--	--	--	--	--
Tulia (TX)	--	--	--	--	--	--	--	--	--	--	--
Turlock Irrigation Dist	--	--	-25	36,265	--	--	--	--	--	--	3
Hickman (CA)	--	--	--	360	--	--	--	--	--	--	--
Lagrange (CA)	--	--	--	2,329	--	--	--	--	--	--	--
New Don Pedro (CA)	--	--	--	32,916	--	--	--	--	--	--	--
Turlock Lake (CA)	--	--	--	136	--	--	--	--	--	--	--
Uppr Dawson (CA)	--	--	--	524	--	--	--	--	--	--	--
Walnut (CA)	--	--	-25	--	--	--	--	--	--	--	3
Two Harbors Wtr & Lt Dept	--	--	--	--	--	--	--	--	--	--	--
Two Harbors (MN)	--	--	--	--	--	--	--	--	--	--	--
Unalakleet Village Elec Assoc	--	326	--	--	--	--	--	1	--	--	6
Unalakleet (AK)	--	--	--	--	--	--	--	--	--	--	--
Unalakleet (AK)	--	326	--	--	--	--	--	1	--	--	6

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Union City Village Of	--	--	--	181	--	--	--	--	--	--	--
Riley (MI)	--	--	--	181	--	--	--	--	--	--	--
Union City (MI)	--	--	--	--	--	--	--	--	--	--	--
Union Electric Company	1,348,958	12,489	2,506	238,425	-8,620	--	711	24	68	989	82
Callaway (MO)	--	--	--	--	-8,620	--	--	--	--	--	--
Canton (MO)	--	-15	--	--	--	--	--	--	--	--	--
Howard Bend (MO)	--	-16	--	--	--	--	--	--	--	--	3
Jefferson City (MO)	--	55	--	--	--	--	--	*	--	--	5
Keokuk (IA)	--	--	--	84,493	--	--	--	--	--	--	--
Kirksville (MO)	--	--	-8	--	--	--	--	--	--	--	--
Labadie (MO)	604,529	11,234	--	--	--	--	309	21	--	485	12
Meramec (MO)	130,737	-19	1,193	--	--	--	66	--	14	144	6
Mexico (MO)	--	26	--	--	--	--	--	*	--	--	6
Moberly (MO)	--	15	--	--	--	--	--	*	--	--	6
Moreau (MO)	--	19	--	--	--	--	--	*	--	--	7
Osage (MO)	--	--	--	155,984	--	--	--	--	--	--	--
Portable (MO)	--	--	--	--	--	--	--	--	--	--	--
Rush Island (MO)	289,304	1,033	--	--	--	--	156	2	--	243	3
Sioux (MO)	324,388	156	--	--	--	--	180	*	--	117	1
Taum Sauk (MO)	--	--	--	-2,052	--	--	--	--	--	--	--
Venice No. 2 (IL)	--	1	1,370	--	--	--	--	*	54	--	34
Viaduct (MO)	--	--	-49	--	--	--	--	--	--	--	--
Unionville City Of	--	-8	--	--	--	--	--	*	--	--	*
Unionville (MO)	--	-8	--	--	--	--	--	*	--	--	*
United Gas Imp Co	9,228	203	--	--	--	--	6	*	--	39	*
Hunlock Creek (PA)	9,228	203	--	--	--	--	6	*	--	39	*
United Illuminating Company,											
The	5,430	263,241	--	--	--	--	2	411	--	168	283
Bridgeport Harbor (CT)	5,430	43,100	--	--	--	--	2	78	--	168	157
English (CT)	--	--	--	--	--	--	--	--	--	--	--
New Haven Harbor (CT)	--	220,141	--	--	--	--	--	333	--	--	126
United Power Association	101,198	677	417	--	--	17,835	46	1	7	136	8
Cambridge (MN)	--	--	--	--	--	--	--	--	--	--	1
Elk River (MN)	--	--	417	--	--	17,835	--	--	7	--	1
Maple Lake (MN)	--	--	--	--	--	--	--	--	--	--	2
Rock Lake (MN)	--	--	--	--	--	--	--	--	--	--	3
Stanton (ND)	101,198	677	--	--	--	--	46	1	--	136	1
Upper Peninsula Power Co	5,385	22	--	9,487	--	--	3	*	--	3	8
AuTrain (MI)	--	--	--	606	--	--	--	--	--	--	--
Cataract (MI)	--	--	--	334	--	--	--	--	--	--	--
Escanaba (MI)	--	--	--	--	--	--	--	--	--	--	--
Gladstone (MI)	--	38	--	--	--	--	--	*	--	--	2
Hoist (MI)	--	--	--	730	--	--	--	--	--	--	--
McClure (MI)	--	--	--	2,471	--	--	--	--	--	--	--
Portage (MI)	--	-16	--	--	--	--	--	--	--	--	6
Prickett (MI)	--	--	--	720	--	--	--	--	--	--	--
Victoria (MI)	--	--	--	4,606	--	--	--	--	--	--	--
Warden, John H (MI)	5,385	--	--	--	--	--	3	--	--	3	--
Utilicorp United, Inc	222,285	-128	345	--	--	--	107	*	7	168	69
Green, Ralph (MO)	--	--	375	--	--	--	--	--	7	--	--
Greenwood (MO)	--	-123	--	--	--	--	--	*	--	--	65
Kci (MO)	--	--	-30	--	--	--	--	*	--	--	--
Nevada (MO)	--	-5	--	--	--	--	--	*	--	--	4
Sibley (MO)	222,285	--	--	--	--	--	107	*	--	168	*
USBIA San Carlos Proj	--	--	--	--	--	--	--	--	--	--	--
Coolidge (AZ)	--	--	--	--	--	--	--	--	--	--	--
USBIA Wapato Irrigation Project	--	--	--	--	--	--	--	--	--	--	--
Drop 2 (WA)	--	--	--	--	--	--	--	--	--	--	--
Drop 3 (WA)	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USBR - Great Plains Reg	--	--	--	198,819	--	--	--	--	--	--	--
Alcova (WY)	--	--	--	4,664	--	--	--	--	--	--	--
Big Thompson (CO)	--	--	--	-11	--	--	--	--	--	--	--
Boysen (WY)	--	--	--	6,129	--	--	--	--	--	--	--
Buffalo Bill (WY)	--	--	--	2,949	--	--	--	--	--	--	--
Canyon Ferry (MT)	--	--	--	43,146	--	--	--	--	--	--	--
Estes (CO)	--	--	--	5,980	--	--	--	--	--	--	--
Flatiron (CO)	--	--	--	7,711	--	--	--	--	--	--	--
Fremont Canyon (WY)	--	--	--	3,340	--	--	--	--	--	--	--
Glendo (WY)	--	--	--	-107	--	--	--	--	--	--	--
Green Mountain (CO)	--	--	--	4,145	--	--	--	--	--	--	--
Guernsey (WY)	--	--	--	70	--	--	--	--	--	--	--
Heart Mtn (WY)	--	--	--	-14	--	--	--	--	--	--	--
Kortes (WY)	--	--	--	5,370	--	--	--	--	--	--	--
Marys Lake (CO)	--	--	--	2,419	--	--	--	--	--	--	--
Mount Elbert (CO)	--	--	--	-5,788	--	--	--	--	--	--	--
Pilot Butte (WY)	--	--	--	345	--	--	--	--	--	--	--
Pole Hill (CO)	--	--	--	9,233	--	--	--	--	--	--	--
Seminole (WY)	--	--	--	4,325	--	--	--	--	--	--	--
Shoshone (WY)	--	--	--	2,094	--	--	--	--	--	--	--
Yellowtail (MT)	--	--	--	102,819	--	--	--	--	--	--	--
USBR - Lower Colorado Reg	--	--	--	404,274	--	--	--	--	--	--	--
Davis (AZ)	--	--	--	65,343	--	--	--	--	--	--	--
Hoover (NV)	--	--	--	181,331	--	--	--	--	--	--	--
Hoover Dam (AZ)	--	--	--	126,089	--	--	--	--	--	--	--
Parker (CA)	--	--	--	31,511	--	--	--	--	--	--	--
USBR - Mid Pacific Region	--	--	--	116,325	--	--	--	--	--	--	--
Folsom (CA)	--	--	--	43,108	--	--	--	--	--	--	--
Jdgc F Carr (CA)	--	--	--	5,785	--	--	--	--	--	--	--
Keswick (CA)	--	--	--	29,166	--	--	--	--	--	--	--
Lewiston (CA)	--	--	--	293	--	--	--	--	--	--	--
New Melones (CA)	--	--	--	13,775	--	--	--	--	--	--	--
Nimbus (CA)	--	--	--	5,534	--	--	--	--	--	--	--
Oneill (CA)	--	--	--	--	--	--	--	--	--	--	--
Shasta (CA)	--	--	--	3,819	--	--	--	--	--	--	--
Spring Creek (CA)	--	--	--	4,373	--	--	--	--	--	--	--
Stampede (CA)	--	--	--	240	--	--	--	--	--	--	--
Trinity (CA)	--	--	--	12,232	--	--	--	--	--	--	--
USBR - Pacific NW Region	--	--	--	1,280,450	--	--	--	--	--	--	--
Anderson Ranch (ID)	--	--	--	9,055	--	--	--	--	--	--	--
Black Canyon (ID)	--	--	--	3,400	--	--	--	--	--	--	--
Boise River Div (ID)	--	--	--	--	--	--	--	--	--	--	--
Chandler (WA)	--	--	--	4,511	--	--	--	--	--	--	--
Grand Coulee (WA)	--	--	--	1,135,247	--	--	--	--	--	--	--
Green Springs (OR)	--	--	--	-82	--	--	--	--	--	--	--
Hungry Horse (MT)	--	--	--	79,994	--	--	--	--	--	--	--
Minidoka (ID)	--	--	--	6,780	--	--	--	--	--	--	--
Palisades (ID)	--	--	--	41,562	--	--	--	--	--	--	--
Roza (WA)	--	--	--	-17	--	--	--	--	--	--	--
USBR - Rio Grande-Falcon											
Project	--	--	--	14,976	--	--	--	--	--	--	--
Amistad (TX)	--	--	--	8,627	--	--	--	--	--	--	--
Falcon (TX)	--	--	--	6,349	--	--	--	--	--	--	--
USBR - Upper Colorado Reg	--	--	--	348,267	--	--	--	--	--	--	--
Blue Mesa (CO)	--	--	--	22,810	--	--	--	--	--	--	--
Crystal (CO)	--	--	--	7,316	--	--	--	--	--	--	--
Deer Creek (UT)	--	--	--	1,537	--	--	--	--	--	--	--
Elephant Butte (NM)	--	--	--	-49	--	--	--	--	--	--	--
Flaming Gorge (UT)	--	--	--	28,734	--	--	--	--	--	--	--
Fontenelle (WY)	--	--	--	4,498	--	--	--	--	--	--	--
Glen Canyon (AZ)	--	--	--	251,743	--	--	--	--	--	--	--
Lower Molina (CO)	--	--	--	1,260	--	--	--	--	--	--	--
McPhee (CO)	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USBR - Upper Colorado Reg											
Morrow Point (CO)	--	--	--	28,256	--	--	--	--	--	--	--
Towaoc (CO)	--	--	--	--	--	--	--	--	--	--	--
Upper Molina (CO)	--	--	--	2,162	--	--	--	--	--	--	--
USCE - Blakely Mtn	--	--	--	8,797	--	--	--	--	--	--	--
Blakely Mountain (AR)	--	--	--	3,588	--	--	--	--	--	--	--
Degray (AR)	--	--	--	4,877	--	--	--	--	--	--	--
Narrows (AR)	--	--	--	332	--	--	--	--	--	--	--
USCE - Fort Worth District	--	--	--	13,898	--	--	--	--	--	--	--
R. D. Willis (TX)	--	--	--	2,657	--	--	--	--	--	--	--
Rayburn, Sam (TX)	--	--	--	7,048	--	--	--	--	--	--	--
Whitney (TX)	--	--	--	4,183	--	--	--	--	--	--	--
USCE - Hartwell Power Plant	--	--	--	25,570	--	--	--	--	--	--	--
Hartwell Lake (GA)	--	--	--	25,570	--	--	--	--	--	--	--
USCE - J Strom Thur Power											
Plant	--	--	--	33,978	--	--	--	--	--	--	--
J Strom Thur (SC)	--	--	--	33,978	--	--	--	--	--	--	--
USCE - Kansas City Dist	--	--	--	44,786	--	4	--	--	--	--	--
Harry Truman (MO)	--	--	--	21,967	--	--	--	--	--	--	--
Stockton (MO)	--	--	--	22,819	--	--	--	--	--	--	--
Wilson (KS)	--	--	--	--	--	4	--	--	--	--	--
USCE - Little Rock	--	--	--	324,022	--	--	--	--	--	--	--
Beaver (AR)	--	--	--	5,375	--	--	--	--	--	--	--
Bull Shoals (AR)	--	--	--	67,116	--	--	--	--	--	--	--
Dardanelle (AR)	--	--	--	76,759	--	--	--	--	--	--	--
Greers Ferry Lake (AR)	--	--	--	13,784	--	--	--	--	--	--	--
Norfolk (AR)	--	--	--	39,033	--	--	--	--	--	--	--
Ozark (AR)	--	--	--	47,747	--	--	--	--	--	--	--
Table Rock (MO)	--	--	--	74,208	--	--	--	--	--	--	--
USCE - Mobile District	--	--	--	74,661	--	--	--	--	--	--	--
Allatoona (GA)	--	--	--	7,940	--	--	--	--	--	--	--
Buford (GA)	--	--	--	12,582	--	--	--	--	--	--	--
Carters (GA)	--	--	--	-10,886	--	--	--	--	--	--	--
George, Walter F (GA)	--	--	--	20,330	--	--	--	--	--	--	--
Jones Bluff (AL)	--	--	--	10,580	--	--	--	--	--	--	--
Millers Ferry (AL)	--	--	--	13,959	--	--	--	--	--	--	--
West Point (GA)	--	--	--	7,574	--	--	--	--	--	--	--
Woodruff, J (FL)	--	--	--	12,802	--	--	--	--	--	--	--
USCE - Nashville	--	--	--	117,663	--	--	--	--	--	--	--
Barkley (KY)	--	--	--	26,478	--	--	--	--	--	--	--
Center Hill (TN)	--	--	--	6,356	--	--	--	--	--	--	--
Cheatham (TN)	--	--	--	9,948	--	--	--	--	--	--	--
Cordell Hull (TN)	--	--	--	16,676	--	--	--	--	--	--	--
Dale Hollow (TN)	--	--	--	1,985	--	--	--	--	--	--	--
Laurel (KY)	--	--	--	3,434	--	--	--	--	--	--	--
Old Hickory (TN)	--	--	--	22,385	--	--	--	--	--	--	--
Priest, J P (TN)	--	--	--	-30	--	--	--	--	--	--	--
Wolf Creek (KY)	--	--	--	30,453	--	--	--	--	--	--	--
USCE - North Pacific Div	--	--	--	3,245,070	--	--	--	--	--	--	--
Albeni Falls (ID)	--	--	--	23,560	--	--	--	--	--	--	--
Big Cliff (OR)	--	--	--	12,730	--	--	--	--	--	--	--
Bonneville (OR)	--	--	--	336,680	--	--	--	--	--	--	--
Chief Joseph (WA)	--	--	--	606,255	--	--	--	--	--	--	--
Cougar (OR)	--	--	--	16,414	--	--	--	--	--	--	--
Dalles (WA)	--	--	--	430,201	--	--	--	--	--	--	--
Day, John (OR)	--	--	--	541,391	--	--	--	--	--	--	--
Detroit (OR)	--	--	--	47,878	--	--	--	--	--	--	--
Dexter (OR)	--	--	--	6,747	--	--	--	--	--	--	--
Dworshak (ID)	--	--	--	36,931	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USCE - North Pacific Div											
Foster (OR)	--	--	--	9,136	--	--	--	--	--	--	--
Green Peter (OR)	--	--	--	20,216	--	--	--	--	--	--	--
Hills Creek (OR)	--	--	--	25,030	--	--	--	--	--	--	--
Ice Harbor (WA)	--	--	--	113,788	--	--	--	--	--	--	--
Libby (MT)	--	--	--	255,680	--	--	--	--	--	--	--
Little Goose (WA)	--	--	--	123,057	--	--	--	--	--	--	--
Lookout Point (OR)	--	--	--	24,066	--	--	--	--	--	--	--
Lost Creek (OR)	--	--	--	14,421	--	--	--	--	--	--	--
Lower Granite (WA)	--	--	--	123,359	--	--	--	--	--	--	--
Lower Monumental (WA)	--	--	--	123,547	--	--	--	--	--	--	--
McNary (OR)	--	--	--	354,183	--	--	--	--	--	--	--
USCE - Omaha District				437,236							
Big Bend (SD)	--	--	--	33,578	--	--	--	--	--	--	--
Fort Peck (MT)	--	--	--	30,697	--	--	--	--	--	--	--
Fort Randall (SD)	--	--	--	120,595	--	--	--	--	--	--	--
Garrison (ND)	--	--	--	95,355	--	--	--	--	--	--	--
Gavins Point (NE)	--	--	--	58,192	--	--	--	--	--	--	--
Oahe (SD)	--	--	--	98,819	--	--	--	--	--	--	--
USCE - R B Russell Power Plant				30,721							
R B Russell Proj (GA)	--	--	--	30,721	--	--	--	--	--	--	--
USCE - St Louis Dist				38,681							
Clarence Canyon (MO)	--	--	--	38,681	--	--	--	--	--	--	--
USCE - St Marys Falls				13,900							
Saint Marys Falls (MI)	--	--	--	13,900	--	--	--	--	--	--	--
USCE - Tulsa District				208,668							
Broken Bow (OK)	--	--	--	21,489	--	--	--	--	--	--	--
Denison (TX)	--	--	--	14,879	--	--	--	--	--	--	--
Eufaula (OK)	--	--	--	14,487	--	--	--	--	--	--	--
Fort Gibson (OK)	--	--	--	30,166	--	--	--	--	--	--	--
Kerr, Robert S (OK)	--	--	--	67,911	--	--	--	--	--	--	--
Keystone (OK)	--	--	--	12,915	--	--	--	--	--	--	--
Tenkiller Ferry (OK)	--	--	--	16,883	--	--	--	--	--	--	--
Webbers Falls (OK)	--	--	--	29,938	--	--	--	--	--	--	--
USCE - Wilmington				12,277							
Kerr, John H (VA)	--	--	--	11,077	--	--	--	--	--	--	--
Philpott Lake (VA)	--	--	--	1,200	--	--	--	--	--	--	--
Valley City Municipal Utilities											
Valley City (ND)	--	--	--	--	--	--	--	--	--	--	--
Vandalia Municipal Utilities											
Vandalia (MO)	--	29	--	--	--	--	--	*	--	--	1
	--	29	--	--	--	--	--	*	--	--	1
Vermillion City Of											
Vermillion (SD)	--	--	--	--	--	--	--	--	--	--	--
Vermont Electric Cooperative				296							
N Hartland (VT)	--	--	--	296	--	--	--	--	--	--	--
Vermont Marble Company				2,988							
Beldens (VT)	--	127	--	1,005	--	--	--	*	--	--	9
Center Rutland (VT)	--	--	--	186	--	--	--	--	--	--	--
Florence (VT)	--	127	--	--	--	--	--	*	--	--	9
Proctor (VT)	--	--	--	1,797	--	--	--	--	--	--	--
Vermont Yankee Nuclear Power											
Co	--	--	--	--	65,341	--	--	--	--	--	--
Vt. Yankee (VT)	--	--	--	--	65,341	--	--	--	--	--	--
Vero Beach Mun Pwr System											
Municipal Plant (FL)	--	-5	9,753	--	--	--	--	--	132	--	71
	--	-5	9,753	--	--	--	--	--	132	--	71

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Villisca Mun Pwr Plant	--	--	--	--	--	--	--	--	--	--	--
Villisca (IA)	--	--	--	--	--	--	--	--	--	--	--
Vineyard Electric Utility	8,925	53	--	--	--	--	4	*	--	5	30
Down, Howard (NJ)	8,925	--	--	--	--	--	4	--	--	5	21
West (NJ)	--	53	--	--	--	--	--	*	--	--	8
Vinton Municipal Lt Plant	--	16	73	--	--	--	--	*	1	--	*
Vinton (IA)	--	16	73	--	--	--	--	*	1	--	*
Viola Municipal Elec Utility	--	--	--	--	--	--	--	--	--	--	--
Viola (WI)	--	--	--	--	--	--	--	--	--	--	--
Virginia Electric & Power Co	1,999,438	2,822	152,105	-56,868	1,873,824	--	762	5	1,382	1,792	2,178
* Central Storage *	--	--	--	--	--	--	--	--	--	--	1,078
Bath County (VA)	--	--	--	-72,319	--	--	--	--	--	--	--
Bremo Bluff (VA)	1,574	313	--	--	--	--	1	1	--	108	4
Chesapeake (VA)	342,734	386	28	--	--	--	130	1	*	129	34
Chesterfield (VA)	744,169	499	147,306	--	--	--	273	1	1,333	399	105
Cushaw (VA)	--	--	--	123	--	--	--	--	--	--	--
Darbytown (VA)	--	33	58	--	--	--	--	*	1	--	87
Gaston (NC)	--	--	--	8,628	--	--	--	--	--	--	--
Gravel Neck (VA)	--	267	--	--	--	--	--	1	--	--	100
Kitty Hawk (NC)	--	7	--	--	--	--	--	*	--	--	21
Low Moor (VA)	--	--	--	--	--	--	--	--	--	--	19
Mt Storm (WV)	671,597	763	--	--	--	--	266	1	--	909	42
North Anna (VA)	--	--	--	131	717,293	--	--	--	--	--	--
Northern Neck (VA)	--	--	--	--	--	--	--	--	--	--	19
Possum Point (VA)	42,886	268	--	--	--	--	17	*	--	151	449
Roanoke Rapids (NC)	--	--	--	6,569	--	--	--	--	--	--	--
Surry (VA)	--	--	--	--	1,156,531	--	--	--	--	--	--
Yorktown (VA)	196,476	286	4,713	--	--	--	76	*	48	95	219
Virginia Pub Utils Comm	4,398	--	60	--	--	--	3	--	1	--	--
Virginia (MN)	4,398	--	60	--	--	--	3	--	1	--	--
Wahoo Municipal Light Plant	--	-69	--	--	--	--	--	--	--	--	*
Wahoo (NE)	--	-69	--	--	--	--	--	--	--	--	*
Wallingford City Of	--	--	--	--	--	--	--	--	--	--	3
Pierce (CT)	--	--	--	--	--	--	--	--	--	--	3
Wamego City Of	--	--	--	--	--	--	--	--	*	--	1
Wamego (KS)	--	--	--	--	--	--	--	--	*	--	1
Warren City Of	--	--	--	--	--	--	--	--	--	--	--
Warren (MN)	--	--	--	--	--	--	--	--	--	--	--
Washington City Of	--	--	--	--	--	--	--	--	*	--	*
Washington (KS)	--	--	--	--	--	--	--	--	*	--	*
Washington Electric Cooperative	--	--	--	297	--	--	--	--	--	--	--
Wrightsville (VT)	--	--	--	297	--	--	--	--	--	--	--
Washington Island Elec Coop	--	70	--	--	--	--	--	*	--	--	1
Washington Island (WI)	--	70	--	--	--	--	--	*	--	--	1
Washington Public Power Supply	--	--	--	--	--	--	--	--	--	--	--
Sys	--	--	--	2,108	822,619	--	--	--	--	--	--
Packwood (WA)	--	--	--	2,108	--	--	--	--	--	--	--
WNP-2 (WA)	--	--	--	--	822,619	--	--	--	--	--	--
Washington Wtr Pwr Co, The	--	--	127	223,662	--	36,435	--	--	2	--	--
Cabinet Gorge (ID)	--	--	--	63,632	--	--	--	--	--	--	--
Kettle Fis (WA)	--	--	14	--	--	36,435	--	--	*	--	--
Little Falls (WA)	--	--	--	10,641	--	--	--	--	--	--	--
Long Lake (WA)	--	--	--	24,358	--	--	--	--	--	--	--
Meyers Falls (WA)	--	--	--	534	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Washington Wtr Pwr Co, The											
Monroe Street (WA)	--	--	--	7,162	--	--	--	--	--	--	--
Nine Mile (WA)	--	--	--	6,754	--	--	--	--	--	--	--
Northeast (WA)	--	--	113	--	--	--	--	--	1	--	--
Noxon Rapids (MT)	--	--	--	98,186	--	--	--	--	--	--	--
Post Falls (ID)	--	--	--	5,092	--	--	--	--	--	--	--
Upper Falls (WA)	--	--	--	7,303	--	--	--	--	--	--	--
Waterloo City Light & Power	--	--	--	--	--	--	--	--	--	--	1
Waterloo (IL)	--	--	--	--	--	--	--	--	--	--	1
Watertown City Of	--	--	--	2,170	--	--	--	--	--	--	--
Watertown (NY)	--	--	--	2,170	--	--	--	--	--	--	--
Wauchula City Of	--	--	--	--	--	--	--	--	--	--	2
Wauchula (FL)	--	--	--	--	--	--	--	--	--	--	2
Waverly City Of	--	--	--	184	--	--	--	--	--	--	1
East Hydro (IA)	--	--	--	184	--	--	--	--	--	--	--
East Plant (IA)	--	--	--	--	--	--	--	--	--	--	--
North Plant (IA)	--	--	--	--	--	--	--	--	--	--	1
Wayne City Of	--	26	--	--	--	--	--	*	--	--	1
Wayne (NE)	--	26	--	--	--	--	--	*	--	--	1
Weatherford City Of	--	--	--	--	--	--	--	--	--	--	--
Weatherford (TX)	--	--	--	--	--	--	--	--	--	--	--
Weber Basin Water Conservancy											
Dist	--	--	--	3,303	--	--	--	--	--	--	--
Gateway (UT)	--	--	--	1,913	--	--	--	--	--	--	--
Wanship (UT)	--	--	--	1,390	--	--	--	--	--	--	--
Webster City Mun Lt & Pwr	--	--	--	--	--	--	--	--	--	--	--
Webster City (IA)	--	--	--	--	--	--	--	--	--	--	--
Wellington City Of	--	--	328	--	--	--	--	--	5	--	3
Wellington (KS)	--	--	--	--	--	--	--	--	--	--	2
Wellington (KS)	--	--	328	--	--	--	--	--	5	--	1
Wells Electric Association	--	--	--	--	--	--	--	--	--	--	*
Wells (MN)	--	--	--	--	--	--	--	--	--	--	*
West Bend Mun Power Plant	--	--	--	--	--	--	--	--	--	--	*
West Bend (IA)	--	--	--	--	--	--	--	--	--	--	*
West Liberty Municipal Elec Util ..	--	--	--	--	--	--	--	--	--	--	*
West Liberty (IA)	--	--	--	--	--	--	--	--	--	--	*
West Penn Power Co (APS)	873,775	1,092	449	4,605	--	--	351	2	5	746	74
Armstrong (PA)	210,485	130	--	--	--	--	87	*	--	97	*
Hatfields Ferry (PA)	523,434	962	--	--	--	--	201	2	--	616	5
Lake Lynn (WV)	--	--	--	4,605	--	--	--	--	--	--	--
Mitchell (PA)	139,856	--	449	--	--	--	62	--	5	33	68
Springdale (PA)	--	--	--	--	--	--	--	--	--	--	--
West Point Light & Water Works	--	3	29	--	--	--	--	*	*	--	*
West Point (NE)	--	3	29	--	--	--	--	*	*	--	*
West Texas Utilities Co (CSW)	422,385	703	299,020	--	--	--	257	1	3,620	285	288
Abilene (TX)	--	--	-47	--	--	--	--	--	*	--	4
Fort Phantom (TX)	--	--	98,567	--	--	--	--	--	1,328	--	101
Ft Stockton (TX)	--	--	--	--	--	--	--	--	--	--	--
Lake Pauline (TX)	--	--	-109	--	--	--	--	--	--	--	18
Oak Creek (TX)	--	--	36,597	--	--	--	--	--	361	--	28
Oklahoma (TX)	422,385	703	--	--	--	--	257	1	--	285	3
Paint Creek (TX)	--	--	12,819	--	--	--	--	--	194	--	80
Presidio (TX)	--	--	--	--	--	--	--	--	--	--	1

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
West Texas Utilities Co (CSW)											
Rio Pecos (TX)	--	--	68,064	--	--	--	--	--	846	--	24
San Angelo (TX)	--	--	83,133	--	--	--	--	--	890	--	28
Vernon (TX)	--	--	-4	--	--	--	--	--	--	--	1
Westbrook Mun Lt & Pwr Plant ...											
Westbrook (MN)	--	--	--	--	--	--	--	--	--	--	--
Western Farmers Elec Coop	153,633	475	149,133	--	--	--	97	1	1,325	237	42
Anadarko (OK)	--	--	129,976	--	--	--	--	--	1,127	--	40
Hugo (OK)	153,633	475	--	--	--	--	97	1	--	237	2
Mooreland (OK)	--	--	19,157	--	--	--	--	--	198	--	--
Western Mass Electric Co (NU) ...	--	3,872	1,735	-17,796	--	--	--	8	23	--	137
Cabot (MA)	--	--	--	17,742	--	--	--	--	--	--	--
Cobble Mountain (MA)	--	--	--	1,189	--	--	--	--	--	--	--
Doreen (MA)	--	-15	--	--	--	--	--	--	--	--	1
Dwight (MA)	--	--	--	280	--	--	--	--	--	--	--
Gardners Falls (MA)	--	--	--	780	--	--	--	--	--	--	--
Indian Orchard (MA)	--	--	--	304	--	--	--	--	--	--	--
Northfield Mountain (MA)	--	--	--	-39,356	--	--	--	--	--	--	--
Putts Bridge (MA)	--	--	--	568	--	--	--	--	--	--	--
Red Bridge (MA)	--	--	--	693	--	--	--	--	--	--	--
Silver Lake (MA)	--	--	--	--	--	--	--	--	--	--	--
Turners Falls (MA)	--	--	--	14	--	--	--	--	--	--	--
West Springfield (MA)	--	3,899	1,735	--	--	--	--	8	23	--	135
Woodland Road (MA)	--	-12	--	--	--	--	--	--	--	--	1
Western Resources, Inc	1,056,564	1,715	3,266	--	--	--	674	3	56	1,142	162
Abilene (KS)	--	--	-23	--	--	--	--	--	--	--	16
Hutchinson (KS)	--	--	135	--	--	--	--	--	15	--	99
Jeffrey (KS)	840,161	1,715	--	--	--	--	556	3	--	811	38
Lawrence (KS)	183,027	--	2,275	--	--	--	98	--	28	258	3
Neosho (KS)	--	--	--	--	--	--	--	--	--	--	--
Tecumseh (KS)	33,376	--	879	--	--	--	20	--	13	72	7
WestPlains Energy	15,776	-37	60,122	--	--	--	9	*	754	9	79
Cimarron River (KS)	--	--	17,885	--	--	--	--	--	289	--	--
Clark, W N (CO)	15,776	--	--	--	--	--	9	--	--	9	--
Clifton (KS)	--	--	62	--	--	--	--	--	3	--	6
Judson Large (KS)	--	--	36,205	--	--	--	--	--	368	--	43
Mullergren, Arthur (KS)	--	--	-164	--	--	--	--	--	--	--	22
Pueblo (CO)	--	1	6,134	--	--	--	--	*	93	--	5
Rocky Ford (CO)	--	-38	--	--	--	--	--	*	--	--	4
Whitesboro Electric Utility	--	--	--	--	--	--	--	--	--	--	--
Whitesboro (TX)	--	--	--	--	--	--	--	--	--	--	--
Whittemore Mun Lt & Pwr Co	--	--	--	--	--	--	--	--	--	--	--
Whittemore (IA)	--	--	--	--	--	--	--	--	--	--	--
Wilber City Of	--	--	--	--	--	--	--	--	--	--	--
Wilber (NE)	--	--	--	--	--	--	--	--	--	--	--
Willmar Municipal Util Comm	3,115	--	67	--	--	--	4	--	2	7	--
Willmar (MN)	3,115	--	67	--	--	--	4	--	2	7	--
Wilton Mun Lt & Pwr System	--	--	--	--	--	--	--	--	--	--	--
Wilton Junction (IA)	--	--	--	--	--	--	--	--	--	--	--
Windom Municipal Utilities	--	--	--	--	--	--	--	--	--	--	--
Windom (MN)	--	--	--	--	--	--	--	--	--	--	--
Winfield Mun Light & Power Plt ...	--	--	--	--	--	--	--	--	--	--	4
Winfield (KS)	--	--	--	--	--	--	--	--	--	--	--
Winfield (KS)	--	--	--	--	--	--	--	--	--	--	4
Winnetka, Village Of	--	--	--	--	--	--	--	--	4	*	2
Winnetka (IL)	--	--	--	--	--	--	--	--	4	*	2

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Winterset City Of	--	--	--	--	--	--	--	--	--	--	1
Winterset (IA)	--	--	--	--	--	--	--	--	--	--	1
Wisconsin Electric Power Co	1,582,289	4,104	3,894	28,615	366,299	--	829	9	37	1,759	45
* Central Storage *	--	--	--	--	--	--	--	--	--	--	5
Appleton (WI)	--	--	--	1,400	--	--	--	--	--	--	--
Big Quinnesec 61 (MI)	--	--	--	8,251	--	--	--	--	--	--	--
Big Quinnesec 92 (MI)	--	--	--	972	--	--	--	--	--	--	--
Brule (MI)	--	--	--	2,628	--	--	--	--	--	--	--
Chalk Hill (MI)	--	--	--	--	--	--	--	--	--	--	--
Concord (WI)	--	3,308	1	--	--	--	--	8	--	--	5
Germantown (WI)	--	-68	--	--	--	--	--	--	--	--	12
Hemlock Falls (MI)	--	--	--	-18	--	--	--	--	--	--	--
Kingsford (MI)	--	--	--	2,260	--	--	--	--	--	--	--
Lower Paint (MI)	--	--	--	48	--	--	--	--	--	--	--
Michigamme Falls (MI)	--	--	--	2,510	--	--	--	--	--	--	--
Oconto Falls (WI)	--	--	--	651	--	--	--	--	--	--	--
Peavy Falls (MI)	--	--	--	3,906	--	--	--	--	--	--	--
Pine (WI)	--	--	--	-4	--	--	--	--	--	--	--
Pleasant Prairie (WI)	769,837	20	635	--	--	--	482	*	7	631	8
Point Beach (WI)	--	23	--	--	366,299	--	--	*	--	--	3
Port Washington (WI)	9,667	--	548	--	--	--	6	*	7	109	3
Presque Isle (MI)	199,705	413	--	--	--	--	105	1	--	862	5
South Oak Creek (WI)	538,947	400	2,334	--	--	--	203	1	18	96	4
Sturgeon (MI)	--	--	--	425	--	--	--	--	--	--	--
Twin Falls (MI)	--	--	--	2,446	--	--	--	--	--	--	--
Valley (WI)	64,133	8	376	--	--	--	33	*	5	60	*
Way (MI)	--	--	--	263	--	--	--	--	--	--	--
Weyauwega (WI)	--	--	--	159	--	--	--	--	--	--	--
White Rapids (MI)	--	--	--	2,716	--	--	--	--	--	--	--
Wisconsin Power & Light Co	862,450	469	909	20,365	--	3,955	491	1	20	988	11
Blackhawk (WI)	--	--	--	296	--	--	--	--	--	--	--
Columbia (WI)	290,470	29	--	--	--	--	181	*	--	492	5
Dewey, Nelson (WI)	85,006	78	--	--	--	1,445	46	*	--	269	*
Edgewater (WI)	452,802	227	--	--	--	--	245	*	--	178	1
Janesville (WI)	--	--	--	131	--	--	--	--	--	--	--
Kilbourn (WI)	--	--	--	6,418	--	--	--	--	--	--	--
Portable (WI)	--	--	--	--	--	--	--	--	--	--	--
Prairie Du Sac (WI)	--	--	--	13,111	--	--	--	--	--	--	--
Rock River (WI)	34,172	135	872	--	--	2,510	19	*	19	49	1
Shawano (WI)	--	--	--	409	--	--	--	--	--	--	--
Sheepskin (WI)	--	--	37	--	--	--	--	--	1	--	4
Wisconsin Public Service Corp	369,497	118	2,917	24,849	391,756	--	235	*	40	273	30
Alexander (WI)	--	--	--	1,896	--	--	--	--	--	--	--
Caldron Falls (WI)	--	--	--	1,700	--	--	--	--	--	--	--
Eagle River (WI)	--	--	--	--	--	--	--	--	--	--	1
Grand Rapids (MI)	--	--	--	3,382	--	--	--	--	--	--	--
Grandfather Falls (WI)	--	--	--	7,904	--	--	--	--	--	--	--
Hat Rapids (WI)	--	--	--	693	--	--	--	--	--	--	--
High Falls (WI)	--	--	--	1,646	--	--	--	--	--	--	--
Jersey (WI)	--	--	--	265	--	--	--	--	--	--	--
Johnson Falls (WI)	--	--	--	1,044	--	--	--	--	--	--	--
Kewaunee (WI)	--	--	--	--	--	--	--	--	--	--	--
Kewaunee (WI)	--	--	--	--	391,756	--	--	--	--	--	--
Merrill (WI)	--	--	--	432	--	--	--	--	--	--	--
Otter Rapids (WI)	--	--	--	218	--	--	--	--	--	--	--
Peshtigo (WI)	--	--	--	398	--	--	--	--	--	--	--
Potato Rapids (WI)	--	--	--	561	--	--	--	--	--	--	--
Pulliam (WI)	146,155	--	1,905	--	--	--	98	--	25	159	1
Sandstone Rapids (WI)	--	--	--	1,169	--	--	--	--	--	--	--
Tomahawk (WI)	--	--	--	845	--	--	--	--	--	--	--
Wausau (WI)	--	--	--	2,696	--	--	--	--	--	--	--
West Marinette (WI)	--	--	587	--	--	--	--	--	9	--	14
Weston (WI)	223,342	118	425	--	--	--	138	*	6	114	15
Wisconsin River Power Company	--	--	--	18,946	--	--	--	--	--	--	--

See footnotes at end of table.

Table 62. U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, October 1993 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Wisconsin River Power Company											
Castle Rock (WI)	--	--	--	9,831	--	--	--	--	--	--	--
Peterwell (WI)	--	--	--	9,315	--	--	--	--	--	--	--
Wisner Elec Lt & Wtr Dept	--	--	--	--	--	--	--	--	--	--	--
Wisner (NE)	--	--	--	--	--	--	--	--	--	--	--
Wolf Creek Nuclear Corporation ..	--	--	--	--	851,270	--	--	--	--	--	--
Wolf Creek (KS)	--	--	--	--	851,270	--	--	--	--	--	--
Wolverine Power Corporation	--	--	--	1,898	--	--	--	--	--	--	--
Edenville (MI)	--	--	--	985	--	--	--	--	--	--	--
Sanford (MI)	--	--	--	524	--	--	--	--	--	--	--
Secord (MI)	--	--	--	247	--	--	--	--	--	--	--
Smallwood (MI)	--	--	--	162	--	--	--	--	--	--	--
Wolverine Power Supply Coop	10,345	114	-27	620	--	--	6	*	1	66	7
Advance (MI)	10,345	128	--	--	--	--	6	*	--	66	*
Beaver Island (MI)	--	-5	--	--	--	--	--	--	--	--	2
Johnson, George (MI)	--	3	30	--	--	--	--	*	1	--	*
Kleber (MI)	--	--	--	464	--	--	--	--	--	--	--
Scottville (MI)	--	-15	--	--	--	--	--	--	--	--	*
Tower (MI)	--	11	--	--	--	--	--	*	--	--	3
Tower Hydro (MI)	--	--	--	156	--	--	--	--	--	--	--
Vandyke, Claude (MI)	--	-13	-57	--	--	--	--	*	*	--	*
Vestaburg (MI)	--	3	--	--	--	--	--	*	--	--	1
Winder, C A (MI)	--	2	--	--	--	--	--	*	--	--	*
Woodfield Elec Light Plant	--	--	--	--	--	--	--	--	--	--	--
Anadarko (OH)	--	--	--	--	--	--	--	--	--	--	--
Wrangell Light Plant	--	216	--	--	--	--	--	*	--	--	*
Wrangell (AK)	--	216	--	--	--	--	--	*	--	--	*
Wyandotte Dept Of Mun Service ..	13,993	--	--	--	--	--	7	--	--	36	--
Wyandotte (MI)	13,993	--	--	--	--	--	7	--	--	36	--
Yadkin, Inc	--	--	--	36,969	--	--	--	--	--	--	--
Falls (NC)	--	--	--	5,413	--	--	--	--	--	--	--
High Rock (NC)	--	--	--	6,014	--	--	--	--	--	--	--
Narrows (NC)	--	--	--	19,566	--	--	--	--	--	--	--
Tuckertown (NC)	--	--	--	5,976	--	--	--	--	--	--	--
Yakutat Power Inc	--	534	--	--	--	--	--	1	--	--	*
Yakutat (AK)	--	534	--	--	--	--	--	1	--	--	*
Yazoo City Public Service Comm ..	--	--	--	--	--	--	--	--	--	--	--
Yazoo (MS)	--	--	--	--	--	--	--	--	--	--	--
Yuba County Water Agency	--	--	--	92,265	--	--	--	--	--	--	--
Fish Power (CA)	--	--	--	108	--	--	--	--	--	--	--
New Colgate (CA)	--	--	--	75,837	--	--	--	--	--	--	--
New Narrows (CA)	--	--	--	16,520	--	--	--	--	--	--	--
Yuma City Of	--	--	--	--	--	--	--	--	--	--	--
Yuma (CO)	--	--	--	--	--	--	--	--	--	--	--
Zeeland Board Of Public Works ..	--	28	279	--	--	--	--	*	4	--	*
Zeeland (MI)	--	28	279	--	--	--	--	*	4	--	*
U. S. Total	130,925,870	7,658,616	22,905,917	16,898,692	44,434,321	798,838	64,909	12,221	233,192	115,206	61,256

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

* Less than 0.5.

Notes: *Totals may not equal sum of components because of independent rounding. *Net generation for jointly owned units is reported by the operator. *Negative generation denotes that electric power consumed for plant use exceeds gross generation. *Station losses include energy used for pumped storage. *Generation is included for plants in test status. *Nuclear generation is included for those plants with an operating license issued authorizing fuel loading/low power testing prior to receipt of full power amendment. *Central storage is a common area for fuel stocks not assigned to specific plants. *Mcf=thousand cubic feet and bbls=barrels. *Data for 1992 are final. *Holding Companies are: AEP is American Electric Power, APS is Allegheny Power System, ACE is Atlantic City Electric, CSW is Central & South West Corporation, CES is Commonwealth Energy System, DMV is Delmarva, EU is Eastern Utilities Associates Company, GPS is General Public Utilities, MSU is Middle South Utilities, NEES is New England Electric System, NU is Northeast Utilities, SC is Southern Company, TU is Texas Utilities.

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

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

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Alabama Electric Coop Inc	120	142.9	34.41	1.12	1	499.7	27.39	0.05	--	--	--	100	*	--
Lowman (AL)	120	142.9	34.41	1.12	1	499.7	27.39	.05	--	--	--	100	*	--
Alabama Power Co	1,602	189.6	46.01	1.11	3	417.1	24.41	.00	242	243.1	2.46	99	*	1
Barry (AL)	72	225.7	55.93	.90	--	--	--	--	62	237.6	2.53	96	--	4
Gadsden (AL)	20	183.3	46.70	1.72	--	--	--	--	1	241.2	2.46	100	--	*
Gaston (AL)	325	182.7	43.63	1.42	1	412.4	24.14	.00	--	--	--	100	*	--
Gorgas 2 and 3 (AL)	597	163.3	38.76	1.28	2	419.9	24.57	.00	--	--	--	100	*	--
Greene (AL)	141	139.1	33.77	1.36	--	--	--	--	--	--	--	100	--	--
James Miller (AL)	448	237.2	59.63	.57	--	--	--	--	179	245.2	2.46	98	--	2
American Municipal Power	62	90.4	20.99	4.81	--	--	--	--	10	370.2	3.85	99	--	1
Gorsuch (OH)	62	90.4	20.99	4.81	--	--	--	--	10	370.2	3.85	99	--	1
Ames City of	18	137.7	24.02	.20	1	457.4	27.20	.30	--	--	--	99	1	--
Ames (IA)	18	137.7	24.02	.20	1	457.4	27.20	.30	--	--	--	99	1	--
Anchorage City of	--	--	--	--	--	--	--	--	324	231.5	2.31	--	--	100
George Sullivan (AK)	--	--	--	--	--	--	--	--	324	231.5	2.31	--	--	100
Appalachian Power Co	553	164.4	40.57	.71	3	669.3	39.04	.00	--	--	--	100	*	--
Amos (WV)	187	192.7	46.73	.73	1	1,033.8	60.55	.00	--	--	--	100	*	--
Clinch River (VA)	130	128.8	31.85	.66	*	462.5	27.22	.00	--	--	--	100	*	--
Glen Lyn (VA)	51	139.2	35.82	.87	1	473.0	27.55	.00	--	--	--	100	*	--
Kanawha River (WV)	35	176.9	44.19	.75	1	524.0	30.35	.00	--	--	--	100	*	--
Mountaineer (WV)	151	166.5	41.19	.67	--	--	--	--	--	--	--	100	--	--
Arizona Electric Pwr Coop Inc	76	128.0	25.57	.42	--	--	--	--	466	189.9	1.95	76	--	24
Apache (AZ)	76	128.0	25.57	.42	--	--	--	--	466	189.9	1.95	76	--	24
Arizona Public Service Co	1,032	132.7	24.35	.67	--	--	--	--	845	234.6	2.42	96	--	4
Cholla (AZ)	359	172.1	34.60	.42	--	--	--	--	2	334.2	3.42	100	--	*
Four Corners (NM)	673	108.4	18.88	.81	--	--	--	--	51	396.0	4.02	100	--	*
Ocotillo (AZ)	--	--	--	--	--	--	--	--	114	221.0	2.27	--	--	100
Phoenix (AZ)	--	--	--	--	--	--	--	--	564	222.0	2.30	--	--	100
Yucca (AZ)	--	--	--	--	--	--	--	--	114	238.0	2.44	--	--	100
Arkansas Power & Light Co	729	183.8	31.97	.34	9	439.9	25.26	.30	3,019	217.6	2.22	80	*	19
Couch (AR)	--	--	--	--	--	--	--	--	379	149.8	1.65	--	--	100
Independence (AR)	307	180.0	31.66	.23	7	441.7	25.37	.30	--	--	--	99	1	--
Lake Catherine (AR)	--	--	--	--	--	--	--	--	1,228	225.8	2.28	--	--	100
Ritchie (AR)	--	--	--	--	--	--	--	--	1,413	230.3	2.32	--	--	100
Whitebluff (AR)	423	186.6	32.20	.41	1	429.4	24.66	.30	--	--	--	100	*	--
Associated Electric Coop Inc	289	112.5	19.92	.43	--	--	--	--	--	--	--	100	--	--
Madrid (MO)	289	112.5	19.92	.43	--	--	--	--	--	--	--	100	--	--
Atlantic City Electric Co	53	166.1	42.97	2.54	51	266.1	17.01	.97	76	228.6	2.38	77	18	4
Deepwater (NJ)	--	--	--	--	*	449.1	25.59	.10	76	228.6	2.38	--	1	99
England (NJ)	53	166.1	42.97	2.54	51	265.6	16.99	.97	--	--	--	81	19	--
Austin City of	--	--	--	--	--	--	--	--	2,014	233.2	2.38	--	--	100
Decker Creek (TX)	--	--	--	--	--	--	--	--	29	231.2	2.35	--	--	100
Holly (TX)	--	--	--	--	--	--	--	--	1,985	233.3	2.38	--	--	100
Baltimore Gas & Electric Co	335	162.1	41.78	.88	102	244.7	15.44	.95	102	278.8	2.90	92	7	1
Brandon Shores (MD)	262	162.7	41.67	.69	4	400.1	23.15	.18	--	--	--	100	*	--
Crane (MD)	44	160.3	42.16	2.02	--	--	--	--	--	--	--	100	--	--
Gould St (MD)	--	--	--	--	28	242.7	15.44	.98	--	--	--	--	100	--
Riverside (MD)	--	--	--	--	--	--	--	--	26	264.3	2.75	--	--	100
Wagner (MD)	29	159.6	42.22	.90	70	237.4	15.00	.98	76	283.7	2.96	60	34	6
Basin Electric Power Coop	1,213	61.9	9.10	.50	1	495.6	28.70	.34	--	--	--	100	*	--
Antelope Valley (ND)	492	70.6	9.33	.56	--	--	--	--	--	--	--	100	--	--
Laramie River (WY)	576	53.3	8.74	.43	--	--	--	--	--	--	--	100	--	--
Leland Olds (ND)	146	74.7	9.78	.60	1	495.6	28.70	.34	--	--	--	100	*	--

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Big Rivers Electric Corp	406	123.2	28.05	3.23	—	—	—	—	2	296.6	2.97	100	—	*
Coleman (KY)	71	106.0	23.78	2.56	—	—	—	—	2	296.6	2.97	100	—	*
R D Green (KY)	131	109.6	23.07	3.83	—	—	—	—	—	—	—	100	—	—
Reid-Henderson (KY)	77	121.9	29.82	2.61	—	—	—	—	—	—	—	100	—	—
Wilson (KY)	126	145.9	34.53	3.36	—	—	—	—	—	—	—	100	—	—
Boston Edison Co	—	—	—	—	704	221.5	14.12	0.97	2,128	248.9	2.60	—	67	33
Mystic (MA)	—	—	—	—	704	221.5	14.12	.97	403	204.2	2.21	—	91	9
New Boston (MA)	—	—	—	—	—	—	—	—	1,725	259.8	2.69	—	—	100
Braintree City of	—	—	—	—	—	—	—	—	44	243.3	2.51	—	—	100
Potter Station (MA)	—	—	—	—	—	—	—	—	44	243.3	2.51	—	—	100
Brazos Electric Power Coop Inc	—	—	—	—	—	—	—	—	1,018	205.6	2.11	—	—	100
Miller (TX)	—	—	—	—	—	—	—	—	798	203.7	2.08	—	—	100
North Texas (TX)	—	—	—	—	—	—	—	—	219	212.1	2.21	—	—	100
Bryan City of	—	—	—	—	—	—	—	—	822	199.9	2.10	—	—	100
Bryan (TX)	—	—	—	—	—	—	—	—	342	199.0	2.09	—	—	100
Dansby (TX)	—	—	—	—	—	—	—	—	480	200.5	2.11	—	—	100
Burbank City of	—	—	—	—	—	—	—	—	228	278.6	2.85	—	—	100
Magnolia-Olive (CA)	—	—	—	—	—	—	—	—	228	278.6	2.85	—	—	100
Burlington City of	—	—	—	—	—	—	—	—	21	200.8	2.01	—	—	100
J C McNeil (VT)	—	—	—	—	—	—	—	—	21	200.8	2.01	—	—	100
Cajun Electric Power Coop Inc	589	151.6	25.21	.40	2	417.0	24.52	.00	—	—	—	100	*	—
Big Cajun No.2 (LA)	589	151.6	25.21	.40	2	417.0	24.52	.00	—	—	—	100	*	—
Cambridge Electric Light Co	—	—	—	—	6	248.7	15.86	.46	76	246.4	2.46	—	33	67
Kendall Square (MA)	—	—	—	—	6	248.7	15.86	.46	76	246.4	2.46	—	33	67
Canal Electric Co	—	—	—	—	1,036	200.8	12.67	1.81	—	—	—	—	100	—
Canal (MA)	—	—	—	—	1,036	200.8	12.67	1.81	—	—	—	—	100	—
Cardinal Operating Co	324	148.4	36.04	2.63	—	—	—	—	—	—	—	100	—	—
Cardinal (OH)	324	148.4	36.04	2.63	—	—	—	—	—	—	—	100	—	—
Carolina Power & Light Co	894	176.6	44.21	.99	10	428.9	24.86	.20	—	—	—	100	*	—
Asheville (NC)	70	128.2	33.55	1.25	*	423.2	24.53	.20	—	—	—	100	*	—
Cape Fear (NC)	41	188.4	47.95	.99	—	—	—	—	—	—	—	100	—	—
Lee (NC)	43	185.8	48.40	.97	—	—	—	—	—	—	—	100	—	—
Mayo (NC)	154	187.8	45.45	.67	1	419.1	24.29	.20	—	—	—	100	*	—
Robinson (SC)	4	172.9	43.88	1.05	*	457.1	26.49	.20	—	—	—	98	2	—
Roxboro (NC)	517	179.2	44.87	1.05	8	429.0	24.86	.20	—	—	—	100	*	—
Sutton (NC)	57	171.4	42.32	1.02	*	430.7	24.96	.20	—	—	—	100	*	—
Weatherspoon (NC)	7	170.7	42.80	1.01	—	—	—	—	—	—	—	100	—	—
Cedar Falls City of	23	107.1	23.66	3.03	—	—	—	—	*	436.0	4.36	100	—	*
Streeter (IA)	23	107.1	23.66	3.03	—	—	—	—	*	436.0	4.36	100	—	*
Centel Corp	—	—	—	—	—	—	—	—	560	193.5	1.92	—	—	100
Cimarron River (KS)	—	—	—	—	—	—	—	—	276	199.4	1.95	—	—	100
Large (KS)	—	—	—	—	—	—	—	—	281	188.3	1.90	—	—	100
Mullergren (KS)	—	—	—	—	—	—	—	—	3	151.1	1.48	—	—	100
Central Electric Pwr Coop-MO	1	76.4	16.02	4.63	—	—	—	—	—	—	—	100	—	—
Chamois (MO)	1	76.4	16.02	4.63	—	—	—	—	—	—	—	100	—	—
Central Hudson Gas & Elec Corp ...	51	186.3	48.65	.61	485	208.5	13.35	1.48	590	237.8	2.43	26	62	12
Danskammer (NY)	51	186.3	48.65	.61	—	—	—	—	22	331.5	3.38	98	—	2
Roseton (NY)	—	—	—	—	485	208.5	13.35	1.48	568	234.2	2.39	—	84	16
Central Illinois Light Co	190	168.8	40.04	2.16	1	487.2	28.50	.25	—	—	—	100	*	—

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Central Illinois Light Co														
Duck Creek (IL)	98	176.7	38.43	3.27	*	487.5	28.23	0.19	--	--	--	100	*	--
Edwards (IL)	92	161.7	41.75	.99	1	487.1	28.54	.26	--	--	--	100	*	--
Central Illinois Pub Serv Co	405	155.4	34.80	2.14	5	486.7	28.07	.41	--	--	--	100	*	--
Coffeen (IL)	162	152.4	32.90	2.82	1	535.2	30.18	.25	--	--	--	100	*	--
Grand Tower (IL)	7	120.2	41.69	2.68	--	--	--	--	--	--	--	100	--	--
Hutsonville (IL)	24	128.6	28.30	2.16	1	524.8	29.84	.22	--	--	--	99	1	--
Meredosia (IL)	44	156.1	36.14	3.05	1	478.9	27.91	.50	--	--	--	100	*	--
Newton (IL)	168	160.7	36.93	1.23	3	462.3	26.90	.50	--	--	--	100	*	--
Central Iowa Power Coop	17	126.6	28.06	3.14	--	--	--	--	1	378.1	3.86	100	--	*
Fair Station (IA)	17	126.6	28.06	3.14	--	--	--	--	1	378.1	3.86	100	--	*
Central Louisiana Elec Co Inc	360	171.5	26.09	.77	--	--	--	--	2,897	228.4	2.36	65	--	35
Coughlin (LA)	--	--	--	--	--	--	--	--	297	219.9	2.32	--	--	100
Dolet Hills (LA)	198	151.0	20.50	1.03	--	--	--	--	18	243.4	2.45	99	--	1
Rodemacher (LA)	162	191.2	32.93	.45	--	--	--	--	1,212	241.1	2.45	69	--	31
Teche (LA)	--	--	--	--	--	--	--	--	1,370	219.1	2.28	--	--	100
Central Maine Power Co	--	--	--	--	95	225.0	14.19	.68	--	--	--	--	100	--
Wyman (ME)	--	--	--	--	95	225.0	14.19	.68	--	--	--	--	100	--
Central Nebraska Pub P&I Dist	--	--	--	--	--	--	--	--	*	455.6	4.39	--	--	100
Canaday (NE)	--	--	--	--	--	--	--	--	*	455.6	4.39	--	--	100
Central Operating Co	66	161.6	40.01	1.22	--	--	--	--	--	--	--	100	--	--
Sporn (WV)	66	161.6	40.01	1.22	--	--	--	--	--	--	--	100	--	--
Central Power & Light Co	240	183.1	40.59	.44	--	--	--	--	9,874	208.6	2.16	34	--	66
Bates (TX)	--	--	--	--	--	--	--	--	777	201.4	2.11	--	--	100
Coletto Creek (TX)	240	183.1	40.59	.44	--	--	--	--	--	--	--	100	--	--
Davis (TX)	--	--	--	--	--	--	--	--	2,694	204.6	2.10	--	--	100
Hill (TX)	--	--	--	--	--	--	--	--	1,854	208.7	2.15	--	--	100
Joslin (TX)	--	--	--	--	--	--	--	--	809	210.0	2.18	--	--	100
La Palma (TX)	--	--	--	--	--	--	--	--	549	198.4	2.08	--	--	100
Laredo (TX)	--	--	--	--	--	--	--	--	677	247.7	2.57	--	--	100
Nueces Bay (TX)	--	--	--	--	--	--	--	--	1,975	204.7	2.11	--	--	100
Victoria (TX)	--	--	--	--	--	--	--	--	539	212.0	2.21	--	--	100
Chugach Electric Assn Inc	--	--	--	--	--	--	--	--	1,073	63.7	.64	--	--	100
Beluga (AK)	--	--	--	--	--	--	--	--	1,073	63.7	.64	--	--	100
Cincinnati Gas & Electric Co	737	155.6	37.29	1.91	9	405.0	23.35	.41	--	--	--	100	*	--
Beckjord (OH)	124	184.9	43.21	.97	3	397.5	23.30	.42	--	--	--	99	1	--
East Bend (KY)	113	183.8	43.02	1.39	1	418.2	23.88	.37	--	--	--	100	*	--
Miami Fort (OH)	217	174.0	42.13	1.38	3	408.4	23.31	.43	--	--	--	100	*	--
Zimmer (OH)	282	118.1	28.65	2.95	2	407.2	23.30	.38	--	--	--	100	*	--
Cleveland Electric Illum Co	470	146.4	37.34	2.55	5	460.4	26.83	.30	--	--	--	100	*	--
Ashtabula (OH)	63	171.7	43.39	3.79	1	482.4	28.18	.28	--	--	--	100	*	--
Avon Lake (OH)	188	131.4	34.17	1.35	1	477.8	27.90	.30	--	--	--	100	*	--
Eastlake (OH)	219	152.5	38.32	3.22	2	440.9	25.63	.29	--	--	--	100	*	--
Lake Shore (OH)	--	--	--	--	1	459.6	26.80	.32	--	--	--	--	100	--
Coffeyville City of	--	--	--	--	--	--	--	--	57	223.9	2.24	--	--	100
Coffeyville (KS)	--	--	--	--	--	--	--	--	57	223.9	2.24	--	--	100
Colorado Springs City of	111	156.0	33.17	.37	--	--	--	--	--	--	--	100	--	--
Drake (CO)	61	188.7	38.96	.36	--	--	--	--	--	--	--	100	--	--
Nixon (CO)	51	119.3	26.26	.37	--	--	--	--	--	--	--	100	--	--
Columbus & Southern Ohio El Co ..	347	147.1	34.93	3.23	2	444.6	26.08	.00	--	--	--	100	*	--
Conesville (OH)	325	149.9	35.68	3.25	2	444.6	26.08	.00	--	--	--	100	*	--
Picway (OH)	21	102.9	23.64	2.95	--	--	--	--	--	--	--	100	--	--

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Commonwealth Edison Co	1,114	221.8	41.25	1.02	145	282.1	17.83	0.64	2,012	223.1	2.27	87	4	9
Collins (IL)	—	—	—	—	126	259.0	16.56	.70	1,050	219.6	2.23	—	43	57
Crawford (IL)	85	271.1	51.62	.41	—	—	—	—	4	866.6	8.84	100	—	—
Fisk (IL)	21	273.3	52.04	.41	*	466.4	26.42	.13	—	—	—	100	—	—
Fisk Storage (IL)	—	—	—	—	—	—	—	—	91	225.7	2.30	—	—	100
Joliet (IL)	306	258.8	46.67	.33	—	—	—	—	—	—	—	100	—	—
Joliet Storage (IL)	—	—	—	—	—	—	—	—	638	219.3	2.23	—	—	100
Kincaid (IL)	228	102.5	21.50	3.81	—	—	—	—	21	329.5	3.34	100	—	—
Powerton (IL)	209	247.0	43.61	.23	—	—	—	—	9	422.1	4.25	100	—	—
State Line (IN)	39	252.8	48.14	.41	—	—	—	—	—	—	—	100	—	—
State Line Storage (IN)	—	—	—	—	—	—	—	—	36	215.4	2.20	—	—	100
Waukegan (IL)	—	—	—	—	4	437.2	25.58	.26	—	—	—	—	100	—
Waukegan Storage (IL)	—	—	—	—	—	—	—	—	163	219.7	2.23	—	—	100
Will County (IL)	226	259.8	45.56	.26	15	448.9	26.26	.25	—	—	—	98	2	—
Connecticut Light & Power Co	—	—	—	—	448	251.7	15.95	.67	15	718.2	7.40	—	99	1
Devon (CT)	—	—	—	—	119	245.6	15.65	.85	—	—	—	—	100	—
Middletown (CT)	—	—	—	—	106	274.0	16.94	.43	—	—	—	—	100	—
Montville (CT)	—	—	—	—	48	248.5	15.80	.59	15	718.2	7.40	—	95	5
Norwalk Harbor (CT)	—	—	—	—	176	243.7	15.59	.71	—	—	—	—	100	—
Consolidated Edison Co-NY Inc	—	—	—	—	504	248.6	15.59	.28	6,379	237.3	2.45	—	32	68
Astoria (NY)	—	—	—	—	—	—	—	—	2,908	237.2	2.45	—	—	100
East River (NY)	—	—	—	—	17	253.3	15.82	.28	452	237.2	2.45	—	19	81
Ravenswood (NY)	—	—	—	—	—	—	—	—	2,554	237.3	2.45	—	—	100
Storage Facility #4	—	—	—	—	67	253.2	15.82	.27	—	—	—	—	100	—
Storage Facility #5	—	—	—	—	189	249.0	15.65	.28	—	—	—	—	100	—
Storage Facility #6	—	—	—	—	231	246.6	15.46	.28	—	—	—	—	100	—
Waterside (NY)	—	—	—	—	—	—	—	—	465	237.2	2.45	—	—	100
Consumers Power Co	689	162.9	38.99	.79	29	274.5	17.50	.91	—	—	—	99	1	—
Campbell (MI)	192	173.0	43.56	.76	—	—	—	—	—	—	—	100	—	—
Cobb (MI)	219	169.8	39.45	.69	*	394.6	22.87	.50	—	—	—	100	—	—
Karn-Wadock (MI)	80	148.8	37.32	.93	29	273.8	17.46	.92	—	—	—	92	8	—
Wadock (MI)	115	144.5	30.88	.81	—	—	—	—	—	—	—	100	—	—
Whiting (MI)	83	158.3	40.08	.94	—	—	—	—	—	—	—	100	—	—
Coop Power Assn	674	66.4	8.38	.76	—	—	—	—	—	—	—	100	—	—
Coal Creek (ND)	674	66.4	8.38	.76	—	—	—	—	—	—	—	100	—	—
Dairyland Power Coop	214	133.6	25.92	.54	*	496.4	29.19	.50	—	—	—	100	—	—
Alma-Madgett (WI)	166	136.6	25.18	.38	—	—	—	—	—	—	—	100	—	—
Genoa No.3 (WI)	48	125.3	28.45	1.10	*	496.4	29.19	.50	—	—	—	100	—	—
Dayton Power & Light Co	828	134.3	31.78	.95	25	443.7	25.60	.26	11	490.0	5.00	99	1	*
Hutchings (OH)	10	133.6	32.83	.84	—	—	—	—	11	490.0	5.00	96	—	4
Killen (OH)	123	117.5	28.63	.66	22	450.2	25.93	.26	—	—	—	96	4	—
Stuart (OH)	694	137.4	32.32	1.00	3	397.7	23.23	.28	—	—	—	100	—	—
Delmarva Power & Light Co	189	165.0	42.74	.93	355	224.9	14.33	1.10	1,284	240.6	2.48	58	27	16
Edgemoor (DE)	24	184.1	47.99	.79	300	226.7	14.48	.96	301	232.2	2.40	22	67	11
Hay Road (DE)	—	—	—	—	—	—	—	—	983	243.2	2.51	—	—	100
Indian River (DE)	165	162.3	41.98	.95	4	416.7	24.55	.25	—	—	—	99	1	—
Vienna (MD)	—	—	—	—	50	199.4	12.61	2.00	—	—	—	—	100	—
Denton City of	—	—	—	—	—	—	—	—	447	266.4	2.75	—	—	100
Spencer (TX)	—	—	—	—	—	—	—	—	447	266.4	2.75	—	—	100
Deseret Generation & Tran Coop ..	109	190.1	40.76	.41	1	558.0	32.34	.00	—	—	—	100	—	—
Bonanza (UT)	109	190.1	40.76	.41	1	558.0	32.34	.00	—	—	—	100	—	—
Detroit City of	—	—	—	—	33	300.5	18.24	.65	—	—	—	—	100	—
Mistersky (MI)	—	—	—	—	33	300.5	18.24	.65	—	—	—	—	100	—
Detroit Edison Co	1,719	147.1	30.73	.65	7	417.6	24.31	.27	1,421	178.3	.37	99	*	1

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Detroit Edison Co														
Belle River (MI)	403	151.2	28.85	0.36	--	--	--	--	--	--	--	100	--	--
Greenwood (MI)	--	--	--	--	--	--	--	--	32	296.0	3.00	--	--	100
Harbor Beach (MI)	5	158.3	41.47	.99	1	428.2	24.73	0.29	--	--	--	97	3	--
Marysville (MI)	14	160.4	41.43	.98	--	--	--	--	15	375.0	3.82	96	--	4
Monroe (MI)	689	145.7	32.82	.86	3	418.7	24.25	.29	--	--	--	100	*	--
River Rouge (MI)	141	133.7	28.43	.52	--	--	--	--	1,360	136.8	.23	93	--	7
St Clair (MI)	467	149.8	29.54	.61	2	413.1	24.42	.27	14	375.0	3.82	100	*	*
Trenton Channel (MI)	--	--	--	--	1	416.2	24.12	.20	--	--	--	--	100	--
Dover City of	--	--	--	--	*	666.0	42.00	1.00	6	400.7	4.15	--	23	77
Mckee Run (DE)	--	--	--	--	*	666.0	42.00	1.00	6	400.7	4.15	--	23	77
Duke Power Co	1,207	166.7	41.43	.97	9	423.8	24.63	.30	--	--	--	100	*	--
Allen (NC)	195	179.5	44.61	.92	3	427.7	24.92	.30	--	--	--	100	*	--
Belews Creek (NC)	470	159.4	39.12	.97	1	414.1	24.02	.30	--	--	--	100	*	--
Buck (NC)	32	163.2	41.06	1.13	--	--	--	--	--	--	--	100	--	--
Cliffside (NC)	144	176.0	44.40	1.01	2	430.7	24.97	.30	--	--	--	100	*	--
Dan River (NC)	13	164.1	42.86	.77	--	--	--	--	--	--	--	100	--	--
Lee (SC)	32	162.3	41.34	1.02	--	--	--	--	--	--	--	100	--	--
Marshall (NC)	312	166.5	41.54	.94	3	418.4	24.32	.30	--	--	--	100	*	--
Riverbend (NC)	9	160.6	41.38	1.39	--	--	--	--	--	--	--	100	--	--
Duquesne Light Co	199	146.0	37.00	1.73	1	441.3	25.91	.38	59	344.2	3.58	99	*	1
Cheswick (PA)	109	127.5	32.62	1.37	--	--	--	--	59	344.2	3.58	98	--	2
Elrama (PA)	90	168.9	42.30	2.15	1	441.3	25.91	.38	--	--	--	100	*	--
East Kentucky Power Coop	265	117.3	29.09	1.46	1	426.0	24.80	.13	--	--	--	100	*	--
Cooper (KY)	76	118.1	29.22	1.69	*	419.0	24.39	.20	--	--	--	100	*	--
Dale (KY)	35	119.5	29.66	.84	*	423.0	24.62	.12	--	--	--	100	*	--
Spurlock (KY)	154	116.5	28.89	1.49	1	428.0	24.91	.12	--	--	--	100	*	--
El Paso Electric Co	--	--	--	--	--	--	--	--	2,581	199.8	2.05	--	--	100
Newman (TX)	--	--	--	--	--	--	--	--	1,563	203.0	2.08	--	--	100
Rio Grande (TX)	--	--	--	--	--	--	--	--	1,018	195.0	2.00	--	--	100
Electric Energy Inc	307	104.9	20.83	1.10	3	487.6	28.27	.36	--	--	--	100	*	--
Joppa (IL)	307	104.9	20.83	1.10	3	487.6	28.27	.36	--	--	--	100	*	--
Empire District Electric Co	81	102.8	18.95	.72	*	492.6	28.85	.00	4	244.4	2.44	100	*	*
Asbury (MO)	68	100.0	17.90	.54	*	492.6	28.85	.00	--	--	--	100	*	--
Riverton (KS)	14	114.8	24.14	1.62	--	--	--	--	4	244.4	2.44	99	--	1
Fayetteville Public Works	--	--	--	--	--	--	--	--	43	331.7	3.43	--	--	100
Butler Warner (NC)	--	--	--	--	--	--	--	--	43	331.7	3.43	--	--	100
Florida Power & Light Co	--	--	--	--	3,891	214.5	13.74	1.41	8,756	217.6	2.18	--	74	26
Cape Canaveral (FL)	--	--	--	--	340	194.1	12.35	1.85	3	217.6	2.18	--	100	*
Cutler (FL)	--	--	--	--	--	--	--	--	204	217.6	2.18	--	--	100
Fort Myers (FL)	--	--	--	--	367	207.7	13.19	1.83	--	--	--	--	100	--
Lauderdale (FL)	--	--	--	--	--	--	--	--	3,143	217.6	2.18	--	--	100
Manatee (FL)	--	--	--	--	822	215.1	13.85	.99	--	--	--	--	100	--
Martin (FL)	--	--	--	--	135	241.4	15.66	.67	972	217.6	2.18	--	47	53
Port Everglades (FL)	--	--	--	--	846	222.8	14.31	.96	817	217.6	2.18	--	87	13
Putnam (FL)	--	--	--	--	--	--	--	--	2,239	217.6	2.18	--	--	100
Riviera (FL)	--	--	--	--	462	187.8	12.06	2.36	--	--	--	--	100	--
Sanford (FL)	--	--	--	--	476	221.0	14.02	1.96	20	217.6	2.18	--	99	1
Turkey Point (FL)	--	--	--	--	444	230.8	14.87	.99	1,360	217.6	2.18	--	68	32
Florida Power Corp	442	181.6	45.71	.79	803	212.8	13.58	1.43	--	--	--	68	32	--
Anclote (FL)	--	--	--	--	5	432.8	25.40	.15	--	--	--	--	100	--
Bartow (FL)	--	--	--	--	*	430.9	25.28	.05	--	--	--	--	100	--
Crystal River (FL)	337	183.6	46.33	.80	6	432.4	25.37	.15	--	--	--	100	*	--
Higgins (FL)	--	--	--	--	22	230.9	14.67	1.00	--	--	--	--	100	--
IMT Transfer (LA)	105	175.2	43.74	.78	--	--	--	--	--	--	--	100	--	--

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Florida Power Corp														
Storage Facility #1	—	—	—	—	742	208.9	13.35	1.43	—	—	—	—	100	—
Suwannee (FL)	—	—	—	—	27	221.2	14.05	2.41	—	—	—	—	100	—
Fort Pierce City of														
H D King (FL)	—	—	—	—	*	459.5	26.75	.05	355	258.6	2.66	—	1	99
	—	—	—	—	*	459.5	26.75	.05	355	258.6	2.66	—	1	99
Fremont City of														
Wright (NE)	7	83.0	14.81	0.35	—	—	—	—	3	227.5	2.27	97	—	3
	7	83.0	14.81	.35	—	—	—	—	3	227.5	2.27	97	—	3
Gainesville City of														
Deerhaven (FL)	57	185.8	49.23	.61	—	—	—	—	84	655.7	6.77	95	—	5
Jr Kelly (FL)	57	185.8	49.23	.61	—	—	—	—	48	655.7	6.77	97	—	3
	—	—	—	—	—	—	—	—	36	655.7	6.77	—	—	100
Garland City of														
Newman (TX)	—	—	—	—	—	—	—	—	1,338	206.6	2.13	—	—	100
Olinger (TX)	—	—	—	—	—	—	—	—	112	212.4	2.20	—	—	100
	—	—	—	—	—	—	—	—	1,226	206.1	2.12	—	—	100
Georgia Power Co														
Arkwright (GA)	2,009	178.7	43.25	1.23	5	425.1	24.73	.50	31	377.9	3.88	100	*	*
Atkinson-McDonough (GA)	—	—	—	—	—	—	—	—	1	448.3	4.61	—	—	100
Bowen (GA)	134	171.1	43.56	1.60	—	—	—	—	30	375.1	3.86	99	—	1
Hammond (GA)	681	168.4	41.07	1.41	2	424.5	24.69	.50	—	—	—	100	*	—
Hardee Branch (GA)	10	174.1	45.69	1.63	1	429.0	24.95	.50	—	—	—	98	2	—
Mitchell (GA)	330	174.0	43.52	1.37	1	440.0	25.59	.50	—	—	—	100	*	—
Scherer (GA)	29	179.9	46.32	1.34	—	—	—	—	—	—	—	100	—	—
Wansley (GA)	605	196.0	45.59	.80	2	410.9	23.90	.50	—	—	—	100	*	—
Yates (GA)	190	176.6	42.71	1.85	—	—	—	—	—	—	—	100	—	—
	31	179.2	41.09	2.38	1	438.2	25.49	.50	—	—	—	99	1	—
Glendale City of														
Glendale (CA)	—	—	—	—	—	—	—	—	186	292.0	2.99	—	—	100
	—	—	—	—	—	—	—	—	186	292.0	2.99	—	—	100
Grand Haven City of														
J B Simms (MI)	25	152.6	33.73	3.05	—	—	—	—	1	443.5	4.43	100	—	*
	25	152.6	33.73	3.05	—	—	—	—	1	443.5	4.43	100	—	*
Grand Island City of														
Burdick (NE)	22	70.2	11.75	.34	—	—	—	—	36	237.9	2.36	91	—	9
Platte (NE)	—	—	—	—	—	—	—	—	36	237.9	2.36	—	—	100
	22	70.2	11.75	.34	—	—	—	—	—	—	—	100	—	—
Grand River Dam Authority														
GRDA No 1 (OK)	329	91.4	15.25	.37	—	—	—	—	12	328.2	3.30	100	—	*
	329	91.4	15.25	.37	—	—	—	—	12	328.2	3.30	100	—	*
Gulf Power Co														
Crist (FL)	255	183.5	44.11	1.12	1	406.2	23.37	.45	8	213.0	2.13	100	*	*
Scholtz (FL)	176	178.4	42.94	1.09	1	402.0	23.13	.45	8	213.0	2.13	100	*	*
Smith (FL)	2	162.0	39.20	3.04	—	—	—	—	—	—	—	100	—	—
	77	196.0	46.96	1.12	*	414.7	23.86	.45	—	—	—	100	*	—
Gulf States Utilities Co														
Lewis Creek (TX)	176	175.7	30.26	.44	—	—	—	—	15,438	223.4	2.37	16	—	84
Nelson (LA)	—	—	—	—	—	—	—	—	1,202	215.2	2.20	—	—	100
Sabine (TX)	176	175.7	30.26	.44	—	—	—	—	2,368	212.4	2.24	55	—	45
Spindletop Storage (TX)	—	—	—	—	—	—	—	—	8,530	232.4	2.40	—	—	100
Willow Glen (LA)	—	—	—	—	—	—	—	—	48	212.0	2.19	—	—	100
	—	—	—	—	—	—	—	—	3,290	235.0	2.45	—	—	100
Hamilton City of														
Hamilton (OH)	10	141.0	35.02	.73	*	443.4	25.51	.21	4	293.3	3.01	98	*	2
	10	141.0	35.02	.73	*	443.4	25.51	.21	4	293.3	3.01	98	*	2
Hastings City of														
Hastings (NE)	17	78.6	13.22	.39	—	—	—	—	—	—	—	100	—	—
	17	78.6	13.22	.39	—	—	—	—	—	—	—	100	—	—
Hawaiian Electric Co Inc														
Honolulu (HI)	—	—	—	—	876	268.4	16.82	.46	—	—	—	—	100	—
Kahe (HI)	—	—	—	—	28	275.2	17.24	.45	—	—	—	—	100	—
Storage Facility #1	—	—	—	—	86	271.8	17.09	.39	—	—	—	—	100	—
Waiau (HI)	—	—	—	—	703	267.4	16.75	.47	—	—	—	—	100	—
	—	—	—	—	60	271.8	17.03	.45	—	—	—	—	100	—

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Holland City of	13	180.0	46.74	0.92	--	--	--	--	--	--	--	100	--	--
James De Young (MI)	13	180.0	46.74	.92	--	--	--	--	--	--	--	100	--	--
Holyoke Water Power Co	22	155.0	41.03	1.57	*	409.7	24.00	0.20	--	--	--	100	*	--
Mount Tom (MA)	22	155.0	41.03	1.57	*	409.7	24.00	.20	--	--	--	100	*	--
Hoosier Energy R E C Inc	218	118.9	28.37	2.91	*	444.9	25.79	.20	--	--	--	100	*	--
Frank E Ratts (IN)	33	139.4	31.33	2.94	*	444.9	25.79	.20	--	--	--	100	*	--
Merom (IN)	185	115.3	25.49	2.90	--	--	--	--	--	--	--	100	--	--
Houston Lighting & Power Co	1,259	187.8	29.40	.58	--	--	--	--	24,625	207.9	2.12	44	--	56
Bertron (TX)	--	--	--	--	--	--	--	--	1,381	210.8	2.16	--	--	100
Cedar Bayou (TX)	--	--	--	--	--	--	--	--	8,693	204.3	2.09	--	--	100
Deepwater (TX)	--	--	--	--	--	--	--	--	212	213.3	2.21	--	--	100
Green Bayou (TX)	--	--	--	--	--	--	--	--	1,321	198.7	2.03	--	--	100
Limestone (TX)	416	143.5	18.35	.92	--	--	--	--	60	204.3	2.09	99	--	1
Parish (TX)	843	204.2	34.85	.41	--	--	--	--	3,715	207.5	2.11	79	--	21
Robinson (TX)	--	--	--	--	--	--	--	--	5,196	204.1	2.09	--	--	100
Storage Facility #2	--	--	--	--	--	--	--	--	2,062	225.4	2.27	--	--	100
Webster (TX)	--	--	--	--	--	--	--	--	392	206.7	2.11	--	--	100
Wharton (TX)	--	--	--	--	--	--	--	--	1,591	223.5	2.26	--	--	100
Illinois Power Co	714	147.4	31.54	1.83	2	480.7	27.86	.30	143	331.1	3.37	99	*	1
Baldwin (IL)	444	137.2	27.45	1.83	1	473.0	27.41	.30	--	--	--	100	*	--
Havana (IL)	66	168.1	41.70	.64	1	487.3	28.25	.30	--	--	--	100	*	--
Hennepin (IL)	107	165.4	38.78	1.71	--	--	--	--	47	333.0	3.37	98	--	2
Vermilion (IL)	39	141.3	31.01	2.34	--	--	--	--	--	--	--	100	--	--
Wood River (IL)	58	159.5	38.38	.60	--	--	--	--	95	330.2	3.37	93	--	7
Imperial Irrigation District	--	--	--	--	--	--	--	--	582	313.5	3.22	--	--	100
El Centro (CA)	--	--	--	--	--	--	--	--	582	313.5	3.22	--	--	100
Independence City of	1	126.9	31.01	3.43	--	--	--	--	1	268.3	2.68	98	--	2
Blue Valley (MO)	1	126.9	31.01	3.43	--	--	--	--	1	268.3	2.68	98	--	2
Indiana & Michigan Electric Co	877	114.9	20.90	.61	--	--	--	--	--	--	--	100	--	--
Rockport (IN)	723	107.7	18.48	.31	--	--	--	--	--	--	--	100	--	--
Tanners Creek (IN)	154	140.3	32.26	2.05	--	--	--	--	--	--	--	100	--	--
Indiana-Kentucky Electric Corp	351	103.3	23.29	3.42	*	514.9	29.79	.28	--	--	--	100	*	--
Clifty Creek (IN)	351	103.3	23.29	3.42	*	514.9	29.79	.28	--	--	--	100	*	--
Indianapolis Power & Light Co	390	109.3	24.39	2.29	2	518.5	29.99	.38	--	--	--	100	*	--
Petersburg (IN)	274	103.8	23.19	2.55	2	518.5	29.99	.38	--	--	--	100	*	--
Pritchard (IN)	30	142.5	31.42	1.32	--	--	--	--	--	--	--	100	--	--
Stout (IN)	86	115.5	25.77	1.81	--	--	--	--	--	--	--	100	--	--
Interstate Power Co	191	197.3	36.38	.88	--	--	--	--	170	231.0	2.31	95	--	5
Dubuque (IA)	9	198.6	46.03	2.42	--	--	--	--	15	249.2	2.49	93	--	7
Fox Lake (MN)	--	--	--	--	--	--	--	--	155	229.2	2.29	--	--	100
Kapp (IA)	49	142.1	31.91	2.02	--	--	--	--	--	--	--	100	--	--
Lansing (IA)	133	224.5	37.40	.36	--	--	--	--	--	--	--	100	--	--
Iowa Electric Light & Power Co	106	127.9	25.16	1.18	--	--	--	--	110	309.4	3.09	95	--	5
Prairie Creek (IA)	62	132.8	26.02	1.18	--	--	--	--	26	216.9	2.17	98	--	2
Sutherland (IA)	23	66.8	11.37	.27	--	--	--	--	41	307.0	3.07	91	--	9
6th St (IA)	21	165.8	37.70	2.18	--	--	--	--	43	367.6	3.68	92	--	8
Iowa Southern Utilities Co	321	109.6	18.77	.57	*	637.9	36.94	.04	--	--	--	100	*	--
Burlington (IA)	60	98.7	18.41	1.63	*	637.9	36.94	.04	--	--	--	100	*	--
Ottumwa (IA)	261	112.4	18.85	.33	--	--	--	--	--	--	--	100	--	--
Iowa-Illinois Gas&Electric Co	232	106.6	17.93	.47	--	--	--	--	40	331.4	3.36	99	--	1
Louisa (IA)	225	105.4	17.52	.34	--	--	--	--	22	285.9	2.89	99	--	1
Riverside (IA)	7	134.5	31.05	4.57	--	--	--	--	18	386.5	3.94	90	--	10

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ²		Avg. Sul- fur %	Receipts (1,000 bbls)	Average Cost ²		Avg. Sul- fur %	Receipts (1,000 Mcf)	Average Cost ²		Coal	Pe- tro- leum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
Jacksonville Electric Auth	327	153.1	37.11	0.92	183	207.6	13.18	1.64	60	263.0	2.75	87	13	1
Kennedy (FL)	—	—	—	—	—	—	—	—	*	263.0	2.75	—	—	100
Northside (FL)	—	—	—	—	180	204.2	12.98	1.66	51	263.0	2.75	—	96	4
Southside (FL)	—	—	—	—	—	—	—	—	9	263.0	2.75	—	—	100
St Johns River (FL)	327	153.1	37.11	.92	3	425.3	24.83	.35	—	—	—	100	*	—
Jamestown City of	8	138.9	35.51	1.89	—	—	—	—	—	—	—	100	—	—
Samuel A Carlson (NY)	8	138.9	35.51	1.89	—	—	—	—	—	—	—	100	—	—
Jersey Central Power&Light Co	—	—	—	—	—	—	—	—	73	255.0	2.65	—	—	100
Gilbert (NJ)	—	—	—	—	—	—	—	—	73	255.0	2.65	—	—	100
Kansas City City of	151	127.1	22.95	.59	1	464.5	26.92	.50	32	324.9	3.35	99	*	1
Kaw (KS)	12	131.3	27.01	.41	—	—	—	—	9	292.9	3.02	96	—	4
Nearman (KS)	111	82.1	13.72	.37	1	464.5	26.92	.50	—	—	—	100	*	—
Quindaro (KS)	28	257.9	57.62	1.53	—	—	—	—	24	336.3	3.46	96	—	4
Kansas City Power & Light Co	875	84.3	14.68	.41	—	—	—	—	32	250.4	2.50	100	—	*
Hawthorne (MO)	79	83.0	14.59	.25	—	—	—	—	32	250.4	2.50	98	—	2
Iatan (MO)	142	85.3	14.96	.35	—	—	—	—	—	—	—	100	—	—
La Cygne (KS)	476	80.0	13.87	.54	—	—	—	—	—	—	—	100	—	—
Montrose (MO)	173	95.3	16.65	.19	—	—	—	—	—	—	—	100	—	—
Kansas Gas & Electric Co	—	—	—	—	—	—	—	—	424	222.3	2.13	—	—	100
Evans (KS)	—	—	—	—	—	—	—	—	2	223.9	2.10	—	—	100
Gill (KS)	—	—	—	—	—	—	—	—	422	222.2	2.13	—	—	100
Kansas Power & Light Co	692	113.2	19.78	.34	5	458.1	26.63	.50	49	275.5	2.58	99	*	*
Hutchinson (KS)	—	—	—	—	—	—	—	—	9	291.6	2.90	—	—	100
Jeffrey Energy Cnt (KS)	545	109.2	18.07	.32	5	458.1	26.63	.50	—	—	—	100	*	—
Lawrence (KS)	91	126.7	26.14	.44	—	—	—	—	28	299.3	2.67	99	—	1
Tecumseh (KS)	56	122.2	26.05	.42	—	—	—	—	12	213.7	2.13	99	—	1
Kentucky Power Co	245	107.0	26.03	1.15	—	—	—	—	—	—	—	100	—	—
Big Sandy (KY)	245	107.0	26.03	1.15	—	—	—	—	—	—	—	100	—	—
Kentucky Utilities Co	478	116.3	28.15	1.42	2	516.2	30.35	.40	—	—	—	100	*	—
Brown (KY)	127	114.4	27.33	1.47	—	—	—	—	—	—	—	100	—	—
Ghent (KY)	303	118.6	28.99	1.26	2	516.2	30.35	.40	—	—	—	100	*	—
Green River (KY)	47	105.7	24.92	2.28	—	—	—	—	—	—	—	100	—	—
Tyrone (KY)	1	119.0	29.52	.85	—	—	—	—	—	—	—	100	—	—
Lafayette City of	—	—	—	—	—	—	—	—	339	218.4	2.28	—	—	100
Bonin (LA)	—	—	—	—	—	—	—	—	339	218.4	2.28	—	—	100
Lake Worth City of	—	—	—	—	—	—	—	—	169	281.0	2.90	—	—	100
Tom G Smith (FL)	—	—	—	—	—	—	—	—	169	281.0	2.90	—	—	100
Lakeland City of	84	164.7	42.88	1.15	42	290.9	18.28	.63	411	262.9	2.70	76	9	15
Larsen Mem (FL)	—	—	—	—	—	—	—	—	188	263.0	2.70	—	—	100
Plant 3-Mcintosh (FL)	84	164.7	42.88	1.15	42	290.9	18.28	.63	223	262.8	2.70	82	10	9
Lansing City of	46	166.5	42.32	.95	1	421.0	24.40	.36	—	—	—	100	*	—
Eckert (MI)	29	174.2	43.75	.97	1	421.0	24.40	.38	—	—	—	99	1	—
Erickson (MI)	17	154.2	39.95	.91	*	421.0	24.40	.30	—	—	—	100	*	—
Long Island Lighting Co	—	—	—	—	515	279.3	17.76	.91	3,911	228.5	2.32	—	45	55
Barrett (NY)	—	—	—	—	—	—	—	—	1,977	228.4	2.36	—	—	100
Far Rockaway (NY)	—	—	—	—	—	—	—	—	1	223.3	2.31	—	—	100
Glenwood (NY)	—	—	—	—	—	—	—	—	118	229.7	2.33	—	—	100
Northport (NY)	—	—	—	—	323	277.7	17.60	.97	1,815	224.1	2.28	—	53	47
Port Jefferson (NY)	—	—	—	—	192	282.0	18.02	.83	—	—	—	100	—	—
Los Angeles City of	361	146.6	34.61	.46	—	—	—	—	4,233	303.0	3.11	66	—	34
Haynes (CA)	—	—	—	—	—	—	—	—	2,274	303.0	3.09	—	—	100

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Los Angeles City of														
Intermountain (UT)	361	146.6	34.61	0.46	--	--	--	--	--	--	--	100	--	--
Scattergood (CA)	--	--	--	--	--	--	--	--	1,958	303.0	3.14	--	--	100
Valley (CA)	--	--	--	--	--	--	--	--	1	303.0	3.11	--	--	100
Louisiana Power & Light Co	--	--	--	--	2	370.7	22.53	0.56	9,799	229.0	2.39	--	*	100
Little Gypsy (LA)	--	--	--	--	--	--	--	--	3,034	230.5	2.40	--	--	100
Nine Mile (LA)	--	--	--	--	*	476.8	28.90	.24	4,403	228.3	2.38	--	*	100
Sterlington (LA)	--	--	--	--	1	483.8	27.80	.26	--	--	--	--	100	--
Waterford (LA)	--	--	--	--	1	228.2	14.85	.99	2,362	228.6	2.40	--	*	100
Louisville Gas & Electric Co	438	114.1	26.64	2.90	2	521.2	30.65	.39	14	265.8	2.72	100	*	*
Cane Run (KY)	71	117.6	27.44	2.94	--	--	--	--	10	265.8	2.72	99	--	1
Mill Creek (KY)	367	113.4	26.49	2.89	--	--	--	--	5	265.8	2.72	100	--	*
Trimble County (KY)	--	--	--	--	2	521.2	30.65	.39	--	--	--	--	100	--
Lower Colorado River Authority	535	124.8	21.50	.33	--	--	--	--	3,919	213.0	2.21	69	--	31
Gideon (TX)	--	--	--	--	--	--	--	--	2,226	213.0	2.22	--	--	100
S Seymour-Fayette (TX)	535	124.8	21.50	.33	--	--	--	--	--	--	--	100	--	--
T C Ferguson (TX)	--	--	--	--	--	--	--	--	1,693	213.0	2.20	--	--	100
Lubbock City of	--	--	--	--	--	--	--	--	399	235.4	2.42	--	--	100
Holly Ave (TX)	--	--	--	--	--	--	--	--	399	235.4	2.42	--	--	100
Madison Gas & Electric Co	--	--	--	--	--	--	--	--	135	194.8	1.96	--	--	100
Blount (WI)	--	--	--	--	--	--	--	--	135	194.8	1.96	--	--	100
Manitowoc Public Utilities	27	169.1	43.89	.95	--	--	--	--	--	--	--	100	--	--
Manitowoc (WI)	27	169.1	43.89	.95	--	--	--	--	--	--	--	100	--	--
Marquette City of	28	214.6	40.90	.45	--	--	--	--	--	--	--	100	--	--
Shiras (MI)	28	214.6	40.90	.45	--	--	--	--	--	--	--	100	--	--
Massachusetts Mun Wholes El Co ..	--	--	--	--	--	--	--	--	149	240.0	2.46	--	--	100
Stonybrook (MA)	--	--	--	--	--	--	--	--	149	240.0	2.46	--	--	100
Medina Electric Coop Inc	--	--	--	--	--	--	--	--	61	215.0	2.27	--	--	100
Pearsall (TX)	--	--	--	--	--	--	--	--	61	215.0	2.27	--	--	100
Metropolitan Edison Co	136	189.7	48.68	1.62	2	420.7	24.03	.30	--	--	--	100	*	--
Portland (PA)	78	186.3	47.46	1.80	--	--	--	--	--	--	--	100	--	--
Titus (PA)	57	194.3	50.35	1.36	2	420.7	24.03	.30	--	--	--	99	1	--
Michigan South Central Pwr Agcy ...	7	168.2	40.13	3.46	--	--	--	--	--	--	--	100	--	--
Project I (MI)	7	168.2	40.13	3.46	--	--	--	--	--	--	--	100	--	--
Midwest Power	483	83.5	14.84	.39	--	--	--	--	23	404.6	4.02	100	--	*
Council Bluffs (IA)	70	62.8	10.44	.33	--	--	--	--	7	315.4	3.10	99	--	1
George Neal 1-4 (IA)	413	86.8	15.59	.40	--	--	--	--	16	445.4	4.45	100	--	*
Minnesota Power & Light Co	365	106.5	19.22	.59	1	534.7	30.76	.20	--	--	--	100	*	--
Boswell Energy Center (MN)	352	106.8	19.12	.56	*	526.3	30.28	.20	--	--	--	100	*	--
Laskin Energy Center (MN)	13	100.1	21.93	1.44	1	540.1	31.08	.20	--	--	--	99	1	--
Minnkota Power Coop Inc	396	48.3	6.54	.97	3	464.3	27.30	.40	--	--	--	100	*	--
Young (ND)	396	48.3	6.54	.97	3	464.3	27.30	.40	--	--	--	100	*	--
Mississippi Power & Light Co	--	--	--	--	881	177.7	11.48	2.93	2,165	223.4	2.31	--	72	28
Brown (MS)	--	--	--	--	*	425.3	24.42	.30	518	221.4	2.26	--	*	100
Delta (MS)	--	--	--	--	--	--	--	--	30	229.7	2.38	--	--	100
Gerald Andrus (MS)	--	--	--	--	686	177.2	11.50	2.95	--	--	--	--	100	--
Wilson (MS)	--	--	--	--	195	179.2	11.43	2.86	1,616	223.9	2.32	--	43	57
Mississippi Power Co	191	152.2	38.41	1.77	1	426.3	24.63	.00	369	220.6	2.24	93	*	7
Daniel (MS)	90	172.2	43.01	.64	1	426.3	24.63	.00	--	--	--	100	*	--

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Mississippi Power Co														
Sweatt (MS)	—	—	—	—	—	—	—	—	5	238.1	2.44	—	—	100
Watson (MS)	101	134.6	34.28	2.78	—	—	—	—	364	220.3	2.24	87	—	13
Missouri Public Service Comm	145	111.8	23.97	.51	—	—	—	—	—	—	—	100	—	—
Sibley (MO)	145	111.8	23.97	.51	—	—	—	—	—	—	—	100	—	—
Monongahela Power Co	802	129.8	32.80	2.45	9	478.0	28.31	0.30	7	399.4	3.99	100	*	*
Albright (WV)	29	104.4	26.29	1.63	1	494.4	29.28	.30	—	—	—	100	*	—
Ft Martin (WV)	225	145.1	36.63	1.32	3	470.5	27.86	.30	—	—	—	100	*	—
Harrison (WV)	258	146.3	38.47	2.74	*	500.9	29.66	.30	7	399.4	3.99	100	*	*
Pleasants (WV)	237	101.0	24.75	3.51	5	486.8	28.83	.30	—	—	—	100	*	—
Rivesville (WV)	9	125.0	30.65	.71	1	444.6	26.33	.30	—	—	—	99	1	—
Willow Island (WV)	45	118.0	28.18	1.67	*	437.3	25.90	.30	—	—	—	100	*	—
Montana Power Co	774	62.8	10.73	.66	2	473.5	28.04	.00	4	378.3	4.74	100	*	*
Colstrip (MT)	709	62.1	10.58	.66	2	473.5	28.04	.00	—	—	—	100	*	—
Corette (MT)	65	71.2	12.36	.64	—	—	—	—	4	378.3	4.74	100	—	*
Montana-Dakota Utilities Co	268	82.1	11.52	.92	—	—	—	—	*	438.8	4.88	100	—	*
Coyote (ND)	214	77.1	10.85	.99	—	—	—	—	—	—	—	100	—	—
Heskett (ND)	31	103.6	14.91	.78	—	—	—	—	*	432.3	4.60	100	—	*
Lewis and Clark (MT)	23	100.0	13.20	.44	—	—	—	—	*	441.9	5.02	100	—	*
Montaup Electric Co	14	184.0	46.67	.34	—	—	—	—	—	—	—	100	—	—
Somerset (MA)	14	184.0	46.67	.34	—	—	—	—	—	—	—	100	—	—
Morgan City City of	—	—	—	—	—	—	—	—	33	225.0	2.43	—	—	100
Morgan City (LA)	—	—	—	—	—	—	—	—	33	225.0	2.43	—	—	100
Muscatine City of	77	91.1	15.56	.91	—	—	—	—	3	285.8	2.92	100	—	*
Muscatine (IA)	77	91.1	15.56	.91	—	—	—	—	3	285.8	2.92	100	—	*
Nebraska Public Power District	383	71.2	12.51	.34	*	477.6	27.71	.00	17	286.8	2.73	100	*	*
Gerald Gentleman (NE)	327	70.0	12.30	.34	*	477.6	27.71	.00	17	282.4	2.68	100	*	*
Sheldon (NE)	56	78.3	13.73	.32	—	—	—	—	*	595.7	5.96	100	—	*
Nevada Power Co	116	184.0	43.59	.49	—	—	—	—	171	256.1	2.64	94	—	6
Clark (NV)	—	—	—	—	—	—	—	—	171	256.1	2.64	—	—	100
Gardner (NV)	116	184.0	43.59	.49	—	—	—	—	—	—	—	100	—	—
New England Power Co	118	174.7	44.90	.97	654	363.1	23.03	1.88	22	237.7	2.46	42	58	*
Brayton (MA)	78	166.6	43.17	1.17	210	400.0	25.19	2.19	22	237.7	2.46	60	39	1
Salem Harbor (MA)	40	190.9	48.27	.58	444	345.8	22.02	1.73	—	—	—	26	74	—
New Orleans Public Service Inc	—	—	—	—	*	216.8	13.95	1.43	3,005	213.0	2.23	—	*	100
Michoud (LA)	—	—	—	—	*	216.8	13.95	1.43	3,005	213.0	2.23	—	*	100
New York State Elec & Gas Corp ...	272	133.0	33.73	1.65	4	529.4	30.46	.14	—	—	—	100	*	—
Goudey (NY)	28	142.3	37.54	2.00	*	469.3	27.00	.14	—	—	—	100	*	—
Greenidge (NY)	30	139.0	36.14	1.97	—	—	—	—	—	—	—	100	—	—
Hickling (NY)	27	128.5	26.68	1.01	—	—	—	—	—	—	—	100	—	—
Jennison (NY)	15	159.7	35.21	.78	—	—	—	—	—	—	—	100	—	—
Kintigh (NY)	86	132.5	34.23	1.83	3	528.4	30.40	.14	—	—	—	99	1	—
Milliken (NY)	86	125.7	33.12	1.61	1	572.2	32.92	.14	—	—	—	100	*	—
Niagara Mohawk Power Corp	261	160.5	41.53	1.65	86	230.7	14.66	1.12	457	234.2	2.39	87	7	6
Albany (NY)	—	—	—	—	—	—	—	—	424	232.4	2.37	—	—	100
Dunkirk (NY)	99	156.0	39.60	1.56	1	666.9	38.62	.43	—	—	—	100	*	—
Huntley (NY)	161	163.2	42.72	1.71	1	600.8	34.75	.47	—	—	—	100	*	—
Oswego (NY)	—	—	—	—	85	225.6	14.35	1.13	33	257.0	2.65	—	94	6
Northern Indiana Pub Serv Co	485	151.0	32.62	1.33	—	—	—	—	262	248.4	2.53	96	—	2
Bailly (IN)	99	134.4	29.75	3.02	—	—	—	—	73	248.3	2.53	97	—	3
Michigan City (IN)	135	158.8	33.29	.45	—	—	—	—	72	248.3	2.53	97	—	3

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)			
Northern Indiana Pub Serv Co														
Mitchell (IN)	46	124.5	23.67	0.43	--	--	--	--	41	249.0	2.54	95	--	5
Rollin Schahfer (IN)	205	159.1	35.57	1.29	--	--	--	--	76	248.1	2.53	98	--	2
Northern States Power Co	1,085	112.6	19.77	.41	--	--	--	--	49	255.9	2.63	100	--	*
Black Dog (MN)	116	93.3	16.55	.26	--	--	--	--	17	260.4	2.65	99	--	1
High Bridge (MN)	41	92.5	16.11	.20	--	--	--	--	24	251.0	2.61	97	--	3
King (MN)	84	94.0	16.67	.36	--	--	--	--	3	251.0	2.57	100	--	*
Riverside (MN)	118	93.8	16.34	.20	--	--	--	--	5	268.2	2.73	100	--	*
Sherburne County (MN)	727	122.0	21.40	.49	--	--	--	--	--	--	--	100	--	--
Ohio Edison Co	479	119.3	28.67	1.99	1	475.4	27.53	0.46	--	--	--	100	*	--
Burger (OH)	109	103.5	25.04	3.46	*	487.2	28.18	.44	--	--	--	100	*	--
Niles (OH)	35	113.3	27.18	2.60	--	--	--	--	--	--	--	100	--	--
Sammis (OH)	335	125.0	30.30	1.46	1	472.0	27.35	.46	--	--	--	100	*	--
Ohio Power Co	1,012	182.7	42.96	3.08	15	459.4	26.55	.00	--	--	--	100	*	--
Gavin (OH)	427	232.1	53.24	3.29	--	--	--	--	--	--	--	100	--	--
Kammer (WV)	142	119.0	29.08	4.19	1	501.6	29.05	.00	--	--	--	100	*	--
Mitchell (WV)	230	127.3	31.02	1.00	11	445.1	25.81	.00	--	--	--	99	1	--
Muskingum (OH)	212	192.6	44.55	4.16	3	499.1	28.47	.00	--	--	--	100	*	--
Tidd (OH)	*	122.0	27.88	3.18	--	--	--	--	--	--	--	100	--	--
Ohio Valley Electric Corp	130	99.8	23.27	3.88	1	575.6	33.60	.37	--	--	--	100	*	--
Kyger Creek (OH)	130	99.8	23.27	3.88	1	575.6	33.60	.37	--	--	--	100	*	--
Oklahoma Gas & Electric Co	824	109.6	19.19	.33	--	--	--	--	3,887	370.4	3.84	78	--	22
Horseshoe Lake (OK)	--	--	--	--	--	--	--	--	759	371.0	3.85	--	--	100
Muskogee (OK)	608	111.4	19.56	.31	--	--	--	--	20	380.8	3.95	100	--	*
Mustang (OK)	--	--	--	--	--	--	--	--	1,025	370.4	3.84	--	--	100
Seminole (OK)	--	--	--	--	--	--	--	--	2,083	370.1	3.84	--	--	100
Sooner (OK)	216	104.5	18.12	.38	--	--	--	--	--	--	--	100	--	--
Omaha Public Power District	384	68.3	11.31	.37	--	--	--	--	37	280.1	2.76	99	--	1
Nebraska City (NE)	218	68.3	11.32	.36	--	--	--	--	--	--	--	100	--	--
North Omaha (NE)	165	68.4	11.30	.39	--	--	--	--	37	280.1	2.76	99	--	1
Orange & Rockland Utils Inc	63	193.3	50.12	.55	70	251.2	15.58	.36	1,929	265.6	2.75	40	11	49
Bowlone (NY)	--	--	--	--	70	251.2	15.58	.36	1,762	265.7	2.75	--	19	81
Lovett (NY)	63	193.3	50.12	.55	--	--	--	--	167	265.0	2.74	90	--	10
Orlando Utilities Comm	85	184.3	47.34	.84	171	202.4	12.85	1.75	709	266.1	2.73	55	27	18
Indian River (FL)	--	--	--	--	171	202.4	12.85	1.75	709	266.1	2.73	--	60	40
Stanton Energy (FL)	85	184.3	47.34	.84	*	431.0	24.78	.30	--	--	--	100	*	--
Orrville City of	8	100.2	23.66	3.72	--	--	--	--	--	--	--	100	--	--
Orrville (OH)	8	100.2	23.66	3.72	--	--	--	--	--	--	--	100	--	--
Otter Tail Power Co	158	115.7	15.37	.80	*	512.1	30.11	.31	--	--	--	100	*	--
Big Stone (SD)	127	114.5	13.73	.91	--	--	--	--	--	--	--	100	--	--
Hoot Lake (MN)	31	118.7	22.07	.34	*	512.1	30.11	.31	--	--	--	100	*	--
Owensboro City of	94	95.8	21.20	2.75	*	464.0	26.89	.38	--	--	--	100	*	--
Smith (KY)	94	95.8	21.20	2.75	*	464.0	26.89	.38	--	--	--	100	*	--
Pacific Gas & Electric Co	--	--	--	--	--	--	--	--	18,310	239.9	2.45	--	--	100
Contra Costa (CA)	--	--	--	--	--	--	--	--	2,929	239.9	2.47	--	--	100
Humboldt Bay (CA)	--	--	--	--	--	--	--	--	181	239.9	2.45	--	--	100
Hunters Point (CA)	--	--	--	--	--	--	--	--	513	239.9	2.43	--	--	100
Morro Bay (CA)	--	--	--	--	--	--	--	--	1,772	239.9	2.46	--	--	100
Moss Landing (CA)	--	--	--	--	--	--	--	--	7,577	239.9	2.46	--	--	100
Pittsburg (CA)	--	--	--	--	--	--	--	--	4,200	239.9	2.44	--	--	100
Potrero (CA)	--	--	--	--	--	--	--	--	1,140	239.9	2.43	--	--	100
Pacific Power & Light Co	2,567	96.9	18.01	.59	5	540.4	31.78	.30	368	233.1	2.51	99	*	1

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Pacific Power & Light Co														
Carbon (UT)	59	89.8	16.95	0.50	--	--	--	--	--	--	--	100	--	--
Centralia (WA)	502	123.0	20.02	.76	--	--	--	--	--	--	--	100	--	--
Emery-Hunter (UT)	332	98.5	22.00	.52	2	518.9	30.51	0.30	--	--	--	100	*	--
Gadsby (UT)	--	--	--	--	--	--	--	--	363	231.4	2.49	--	--	100
Huntington (UT)	230	79.8	17.38	.58	--	--	--	--	--	--	--	100	--	--
Jim Bridger (WY)	701	107.4	20.30	.60	--	--	--	--	--	--	--	100	--	--
Johnston (WY)	373	58.1	9.11	.44	2	585.7	34.44	.30	--	--	--	100	*	--
Naughton (WY)	195	117.6	22.62	.63	1	493.0	28.99	.30	5	359.4	3.77	100	*	*
Wyodak (WY)	175	65.4	10.56	.51	--	--	--	--	--	--	--	100	--	--
Painesville City of	11	138.4	34.18	2.30	--	--	--	--	1	478.0	4.78	100	--	*
Painesville (OH)	11	138.4	34.18	2.30	--	--	--	--	1	478.0	4.78	100	--	*
Pasadena City of	--	--	--	--	--	--	--	--	286	288.3	2.96	--	--	100
Broadway (CA)	--	--	--	--	--	--	--	--	286	288.3	2.96	--	--	100
Pennsylvania Electric Co	1,387	142.7	35.22	1.92	11	427.8	24.94	.05	1	408.6	4.21	100	*	*
Conemaugh (PA)	270	125.6	31.42	2.21	--	--	--	--	1	408.6	4.21	100	--	*
Homer City (PA)	453	142.8	34.46	1.80	1	418.4	24.27	.05	--	--	--	100	*	--
Keystone (PA)	511	156.7	39.09	1.92	7	429.5	25.04	.05	--	--	--	100	*	--
Seward (PA)	56	130.8	32.42	1.60	1	429.9	25.06	.05	--	--	--	100	*	--
Shawville (PA)	83	121.0	29.96	1.99	2	426.3	24.85	.05	--	--	--	99	1	--
Warren (PA)	14	136.1	34.22	1.50	--	--	--	--	--	--	--	100	--	--
Pennsylvania Power & Light Co	660	146.3	36.93	1.77	13	410.3	23.87	.11	--	--	--	100	*	--
Brunner Island (PA)	273	147.3	38.77	1.86	8	408.7	23.79	.12	--	--	--	99	1	--
Holtwood (PA)	16	100.1	15.40	.71	--	--	--	--	--	--	--	100	--	--
Martins Creek (PA)	62	149.2	39.66	2.03	--	--	--	--	--	--	--	100	--	--
Montour (PA)	229	152.8	38.26	1.71	4	410.1	23.83	.10	--	--	--	100	*	--
Sunbury (PA)	80	125.7	29.04	1.67	1	423.5	24.73	.13	--	--	--	100	*	--
Pennsylvania Power Co	422	157.3	38.29	2.96	*	474.8	27.52	.30	--	--	--	100	*	--
Bruce Mansfield (PA)	377	161.9	39.39	3.13	--	--	--	--	--	--	--	100	--	--
New Castle (PA)	44	118.7	28.99	1.55	*	474.8	27.52	.30	--	--	--	100	*	--
Philadelphia Electric Co	141	155.9	41.16	2.01	83	313.7	19.83	.50	607	251.3	2.59	76	11	13
Cromby (PA)	39	168.2	43.78	1.87	16	252.2	16.09	.76	607	251.3	2.59	58	6	36
Delaware (PA)	--	--	--	--	26	250.9	15.84	.45	--	--	--	--	100	--
Eddystone (PA)	102	151.3	40.15	2.07	29	192.0	12.08	.42	--	--	--	94	6	--
Schuylkill (PA)	--	--	--	--	12	823.7	52.20	.44	--	--	--	--	100	--
Plains Elec Gen&Trans Coop Inc	94	129.4	23.48	.70	--	--	--	--	2	439.7	3.74	100	--	*
Escalante (NM)	94	129.4	23.48	.70	--	--	--	--	2	439.7	3.74	100	--	*
Platte River Power Authority	109	72.8	12.88	.31	--	--	--	--	--	--	--	100	--	--
Rawhide (CO)	109	72.8	12.88	.31	--	--	--	--	--	--	--	100	--	--
Portland General Electric Co	141	110.2	21.59	.37	--	--	--	--	2,086	204.1	2.06	57	--	43
Beaver (OR)	--	--	--	--	--	--	--	--	2,086	204.1	2.06	--	--	100
Boardman (OR)	141	110.2	21.59	.37	--	--	--	--	--	--	--	100	--	--
Potomac Edison Co	14	135.8	35.27	1.01	--	--	--	--	--	--	--	100	--	--
Smith (MD)	14	135.8	35.27	1.01	--	--	--	--	--	--	--	100	--	--
Potomac Electric Power Co	498	169.2	43.09	1.54	338	267.6	16.82	.66	23	219.5	2.30	86	14	*
Benning (DC)	--	--	--	--	41	317.2	19.25	.95	--	--	--	--	100	--
Chalk (MD)	53	175.6	44.06	1.85	286	256.2	16.23	.63	23	219.5	2.30	42	57	1
Dickerson (MD)	135	147.8	37.55	1.53	--	--	--	--	--	--	--	100	--	--
Morgantown (MD)	207	177.5	44.67	1.81	11	398.9	23.33	.20	--	--	--	99	1	--
Potomac River (VA)	103	176.9	46.66	.84	--	--	--	--	--	--	--	100	--	--
Power Authority of State of NY	--	--	--	--	215	264.0	16.54	.29	1,295	395.9	4.09	--	50	50
Holtville (NY)	--	--	--	--	20	416.0	24.33	.20	--	--	--	--	100	--
Poletti (NY)	--	--	--	--	195	249.5	15.74	.30	1,295	395.9	4.09	--	48	52

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	(\$ per bbl)			(Cents per 10 ⁶ Btu)	(\$ per Mcf)			
	(1,000 tons)				(1,000 bbls)				(1,000 Mcf)					
Public Service Co of Colorado	724	106.3	21.34	0.38	--	--	--	--	139	247.9	2.50	99	--	1
Arapahoe (CO)	48	109.5	24.67	.53	--	--	--	--	4	250.5	2.47	100	--	*
Cameo (CO)	22	92.2	20.77	.56	--	--	--	--	1	239.9	2.46	100	--	*
Cherokee (CO)	187	113.2	25.25	.41	--	--	--	--	113	248.3	2.48	97	--	3
Comanche (CO)	190	116.0	19.77	.27	--	--	--	--	3	243.0	2.40	100	--	*
Hayden (CO)	131	83.3	17.50	.39	--	--	--	--	2	211.0	2.33	100	--	*
Pawnee (CO)	83	108.6	17.99	.28	--	--	--	--	17	249.5	2.67	99	--	1
Valmont (CO)	63	108.5	24.54	.55	--	--	--	--	--	--	--	100	--	--
Public Service Co of NH	136	163.1	42.37	1.52	332	177.2	11.27	1.98	--	--	--	63	37	--
Merrimack (NH)	120	163.3	42.59	1.66	--	426.4	24.86	.00	--	--	--	100	--	--
Newington Station (NH)	--	--	--	--	331	177.0	11.25	1.98	--	--	--	--	100	--
Schiller (NH)	16	161.3	40.71	.49	--	--	--	--	--	--	--	100	--	--
Public Service Co of NM	448	170.2	32.63	.94	4	646.8	36.95	1.00	--	--	--	100	--	--
San Juan (NM)	448	170.2	32.63	.94	4	646.8	36.95	1.00	--	--	--	100	--	--
Public Service Co of Oklahoma	315	156.8	27.40	.44	--	--	--	--	6,645	280.0	2.92	44	--	58
Comanche (CS) (OK)	--	--	--	--	--	--	--	--	1,105	280.0	3.03	--	--	100
Northeastern (OK)	315	156.8	27.40	.44	--	--	--	--	1,132	280.0	2.92	82	--	18
Riverside (OK)	--	--	--	--	--	--	--	--	3,705	280.0	2.88	--	--	100
Southwestern (OK)	--	--	--	--	--	--	--	--	703	280.0	2.93	--	--	100
Public Service Electric & Gas Co	27	183.6	49.95	.80	77	246.7	15.39	.29	284	223.0	2.31	49	32	19
Bergen (NJ)	--	--	--	--	--	--	--	--	115	223.0	2.31	--	--	100
Hudson (NJ)	8	193.2	49.00	.78	34	283.2	17.68	.29	--	--	--	49	51	--
Kearny (NJ)	--	--	--	--	8	282.7	17.68	.29	--	--	--	--	100	--
Linden (NJ)	--	--	--	--	34	200.8	12.50	.29	--	--	--	--	100	--
Mercer (NJ)	19	180.0	50.34	.80	--	--	--	--	40	223.0	2.31	93	--	7
Sewaren (NJ)	--	--	--	--	--	--	--	--	129	223.0	2.31	--	--	100
PSI Energy Inc	1,032	130.8	28.31	2.01	13	447.5	25.75	.30	--	--	--	100	--	--
Cayuga (IN)	125	132.5	29.17	2.17	2	432.0	24.86	.30	--	--	--	99	1	--
Edwardsport (IN)	9	95.8	21.73	2.58	--	--	--	--	--	--	--	100	--	--
Gallagher (IN)	63	130.1	31.37	2.39	2	490.1	28.20	.30	--	--	--	99	1	--
Gibson Station (IN)	706	133.9	28.42	1.94	5	431.8	24.85	.30	--	--	--	100	--	--
Noblesville (IN)	5	142.7	31.84	2.12	--	--	--	--	--	--	--	100	--	--
Wabash River (IN)	124	114.9	25.62	2.06	7	458.2	26.36	.30	--	--	--	99	1	--
Richmond City of	15	144.3	33.60	2.41	--	--	--	--	--	--	--	100	--	--
Whitewater (IN)	15	144.3	33.60	2.41	--	--	--	--	--	--	--	100	--	--
Rochester City of	4	184.2	47.72	1.17	--	--	--	--	4	273.8	2.78	97	--	3
Silver Lake (MN)	4	184.2	47.72	1.17	--	--	--	--	4	273.8	2.78	97	--	3
Rochester Gas & Electric Corp	33	171.6	45.03	1.68	--	--	--	--	--	--	--	100	--	--
Russell Station 7 (NY)	33	171.6	45.03	1.68	--	--	--	--	--	--	--	100	--	--
Ruston City of	--	--	--	--	--	--	--	--	185	202.2	2.13	--	--	100
Steam Plant (LA)	--	--	--	--	--	--	--	--	185	202.2	2.13	--	--	100
S Mississippi Elec Pwr Assn	62	209.7	51.92	.96	*	384.7	23.52	.33	312	212.0	2.13	83	--	17
Moselle (MS)	--	--	--	--	*	384.7	23.52	.33	312	212.0	2.13	--	--	100
R D Morrow (MS)	62	209.7	51.92	.96	--	--	--	--	--	--	--	100	--	--
Salt Rive. Proj Ag I & P Dist	939	122.9	26.35	.49	8	501.0	29.85	.61	227	231.6	2.37	99	--	1
Agua Fria (AZ)	--	--	--	--	--	--	--	--	*	10,000.0	100.00	--	--	100
Coronado (AZ)	248	180.0	36.25	.42	--	--	--	--	--	--	--	100	--	--
Navajo (AZ)	691	104.1	22.79	.52	8	501.0	29.85	.61	--	--	--	100	--	--
Santan (AZ)	--	--	--	--	--	--	--	--	227	230.8	2.36	--	--	100
San Antonio City of	445	114.0	19.22	.33	--	--	--	--	4,553	218.3	2.22	62	--	38
Braunig (TX)	--	--	--	--	--	--	--	--	1,978	218.2	2.22	--	--	100
JT Deely/Spruce (TX)	445	114.0	19.22	.33	--	--	--	--	2	211.3	2.16	100	--	--
Sommers (TX)	--	--	--	--	--	--	--	--	2,337	218.3	2.22	--	--	100
Tuttle (TX)	--	--	--	--	--	--	--	--	236	218.2	2.21	--	--	100

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)			
San Diego Gas & Electric Co	--	--	--	--	100	263.0	16.48	0.44	4,367	285.7	2.93	--	12	88
Encina (CA)	--	--	--	--	--	--	--	--	2,264	284.4	2.91	--	--	100
South Bay (CA)	--	--	--	--	100	263.0	16.48	.44	2,103	267.2	2.94	--	23	77
San Miguel Electric Coop Inc	262	106.3	11.27	2.09	--	--	--	--	--	--	--	100	--	--
San Miguel (TX)	262	106.3	11.27	2.09	--	--	--	--	--	--	--	100	--	--
Savannah Electric & Power Co	67	179.4	45.39	1.19	--	--	--	--	42	335.9	3.45	98	--	2
Kraft (GA)	47	178.2	45.02	1.03	--	--	--	--	28	283.0	2.91	98	--	2
McIntosh (GA)	20	182.2	46.26	1.58	--	--	--	--	--	--	--	100	--	--
Riverside (GA)	--	--	--	--	--	--	--	--	13	448.5	4.61	--	--	100
Seminole Electric Coop Inc	306	182.1	44.19	2.49	4	425.4	24.78	.20	--	--	--	100	*	--
Seminole (FL)	306	182.1	44.19	2.49	4	425.4	24.78	.20	--	--	--	100	*	--
Sierra Pacific Power Co	197	196.1	41.06	.44	81	375.6	23.47	.75	1,504	207.5	2.13	67	8	25
Fort Churchill (NV)	--	--	--	--	59	374.8	23.42	.75	811	207.5	2.13	--	31	69
North Valmy (NV)	197	196.1	41.06	.44	--	--	--	--	--	--	--	100	--	--
Tracy (NV)	--	--	--	--	22	377.6	23.60	.75	693	207.5	2.13	--	16	84
Stikeston City of	46	172.5	40.21	2.22	1	399.0	23.63	.26	--	--	--	100	*	--
Stikeston (MO)	46	172.5	40.21	2.22	1	399.0	23.63	.26	--	--	--	100	*	--
Solid Waste Auth of Central Ohio ..	4	161.1	43.99	.91	--	--	--	--	12	248.5	2.57	89	--	11
Solid Waste R F (OH)	4	161.1	43.99	.91	--	--	--	--	12	248.5	2.57	89	--	11
South Carolina Electric & Gas Co	512	156.6	41.01	1.32	3	438.6	25.42	.20	2	306.9	3.17	100	*	*
Canadys (SC)	79	159.7	40.62	1.54	--	--	--	--	1	309.3	3.18	100	--	*
Mcmeekin (SC)	66	152.6	39.80	1.56	--	--	--	--	--	--	--	100	--	--
Urguhart (SC)	37	153.4	39.98	1.82	*	444.1	25.74	.20	1	308.4	3.17	100	*	*
Wateree (SC)	207	159.1	41.15	1.35	2	437.9	25.38	.20	--	--	--	100	*	--
Williams (SC)	125	162.0	41.95	.91	--	--	--	--	--	--	--	100	--	--
South Carolina Pub Serv Auth	409	151.4	38.74	1.20	--	--	--	--	--	--	--	100	--	--
Cross (SC)	107	161.9	40.68	1.05	--	--	--	--	--	--	--	100	--	--
Granger (SC)	17	165.5	43.03	1.66	--	--	--	--	--	--	--	100	--	--
Jefferies (SC)	72	146.3	38.30	1.47	--	--	--	--	--	--	--	100	--	--
Winyah (SC)	214	146.9	37.58	1.15	--	--	--	--	--	--	--	100	--	--
Southern California Edison Co	385	130.3	28.43	.51	--	--	--	--	18,574	255.7	2.65	30	--	70
Alamitos (CA)	--	--	--	--	--	--	--	--	4,462	260.1	2.65	--	--	100
Cool Water (CA)	--	--	--	--	--	--	--	--	1,911	218.8	2.29	--	--	100
El Segundo (CA)	--	--	--	--	--	--	--	--	1,831	255.0	2.70	--	--	100
Etiwanda (CA)	--	--	--	--	--	--	--	--	2,044	261.4	2.68	--	--	100
Highgrove (CA)	--	--	--	--	--	--	--	--	8	261.9	2.68	--	--	100
Huntington Beach (CA)	--	--	--	--	--	--	--	--	1,203	257.9	2.65	--	--	100
Long Beach (CA)	--	--	--	--	--	--	--	--	498	261.7	2.87	--	--	100
Mandalay (CA)	--	--	--	--	--	--	--	--	1,312	259.5	2.77	--	--	100
Mohave (NV)	385	130.3	28.43	.51	--	--	--	--	231	269.8	2.77	97	--	3
Ormond Beach (CA)	--	--	--	--	--	--	--	--	2,639	261.0	2.75	--	--	100
Redondo (CA)	--	--	--	--	--	--	--	--	2,431	261.2	2.69	--	--	100
San Bernardino (CA)	--	--	--	--	--	--	--	--	4	261.9	2.68	--	--	100
Southern Illinois Power Coop	73	75.1	14.87	2.18	1	475.2	27.08	.00	--	--	--	100	*	--
Marion (IL)	73	75.1	14.87	2.18	1	475.2	27.08	.00	--	--	--	100	*	--
Southern Indiana Gas & Elec Co	169	138.8	31.30	2.53	--	--	--	--	11	362.7	3.71	100	--	*
A B Brown (IN)	45	196.3	46.22	3.64	--	--	--	--	7	362.2	3.71	99	--	1
Culley (IN)	79	127.9	28.54	2.31	--	--	--	--	1	364.1	3.72	100	--	*
Warrick (IN)	65	109.9	24.35	2.02	--	--	--	--	2	363.6	3.72	100	--	*
Southwestern Electric Power Co ...	916	171.4	26.22	.71	--	--	--	--	2,803	270.5	2.61	84	--	16
Arsenal Hill (LA)	--	--	--	--	--	--	--	--	95	219.4	2.38	--	--	100
Flint Creek (AR)	134	173.8	28.81	.32	--	--	--	--	--	--	--	100	--	--
Knox Lee (TX)	--	--	--	--	--	--	--	--	305	244.4	2.59	--	--	100

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Southwestern Electric Power Co														
Pirkey (TX)	345	123.2	16.28	1.34	--	--	--	--	8	270.0	2.82	100	--	*
Welsh Station (TX)	437	201.1	33.27	.33	--	--	--	--	--	--	--	100	--	--
Wilkes (TX)	--	--	--	--	--	--	--	--	2,395	276.5	2.63	--	--	100
Southwestern Public Service Co	753	172.6	30.47	.34	--	--	--	--	3,989	194.5	1.96	77	--	23
Cunningham (NM)	--	--	--	--	--	--	--	--	305	194.6	1.89	--	--	100
Harrington (TX)	350	155.8	27.83	.33	--	--	--	--	7	230.0	2.29	100	--	*
Jones (TX)	--	--	--	--	--	--	--	--	1,370	197.8	2.03	--	--	100
Maddox (NM)	--	--	--	--	--	--	--	--	562	190.8	1.95	--	--	100
Nichols (TX)	--	--	--	--	--	--	--	--	1,485	190.0	1.89	--	--	100
Plant X (TX)	--	--	--	--	--	--	--	--	260	209.6	2.11	--	--	100
Tolk (TX)	403	187.4	32.76	.35	--	--	--	--	--	--	--	100	--	--
Springfield City of	82	143.5	33.42	1.29	--	--	--	--	302	200.4	2.00	86	--	14
James River (MO)	32	135.3	31.49	2.55	--	--	--	--	272	200.4	2.00	73	--	27
Southwest (MO)	50	148.7	34.66	.49	--	--	--	--	30	200.4	2.00	98	--	2
Springfield City of	73	114.3	23.75	3.07	--	--	--	--	--	--	--	100	--	--
Dallman (IL)	71	114.3	23.75	3.07	--	--	--	--	--	--	--	100	--	--
Lakeside (IL)	3	114.3	23.75	3.07	--	--	--	--	--	--	--	100	--	--
St Joseph Light & Power Co	11	141.4	32.66	3.46	19	178.5	11.75	2.97	123	207.9	2.02	51	25	24
Lakeroad (MO)	11	141.4	32.66	3.46	19	178.5	11.75	2.97	123	207.9	2.02	51	25	24
Sunflower Electric Coop Inc	103	103.0	17.29	.35	--	--	--	--	18	253.0	2.36	99	--	1
Holcomb (KS)	103	103.0	17.29	.35	--	--	--	--	18	253.0	2.36	99	--	1
Tacoma City of	--	--	--	--	*	721.0	41.79	.50	2	369.0	3.87	--	7	93
Steam No.2 (WA)	--	--	--	--	*	721.0	41.79	.50	2	369.0	3.87	--	7	93
Tallahassee City of	--	--	--	--	--	--	--	--	1,305	258.0	2.68	--	--	100
Hopkins (FL)	--	--	--	--	--	--	--	--	997	258.0	2.68	--	--	100
Purdum (FL)	--	--	--	--	--	--	--	--	307	258.0	2.68	--	--	100
Tampa Electric Co	669	187.9	44.40	1.63	6	431.4	24.85	.27	--	--	--	100	*	--
Big Bend (FL)	--	--	--	--	3	429.8	25.18	.32	--	--	--	--	100	--
Davant Transfer (LA)	606	184.0	43.10	1.87	--	--	--	--	--	--	--	100	--	--
Gannon (FL)	63	223.0	56.93	1.22	3	433.3	24.59	.23	--	--	--	99	1	--
Hookers Point (FL)	--	--	--	--	*	407.4	23.61	.30	--	--	--	--	100	--
Taunton City of	--	--	--	--	22	233.7	14.80	2.20	17	260.0	2.67	--	89	11
Cleary (MA)	--	--	--	--	22	233.7	14.80	2.20	17	260.0	2.67	--	89	11
Tennessee Valley Authority	3,320	124.7	30.03	2.17	12	434.2	25.24	.50	--	--	--	100	*	--
Allen (TN)	115	124.2	30.72	2.16	1	449.7	26.35	.50	--	--	--	100	*	--
Bull Run (TN)	177	120.0	30.52	1.57	1	411.0	23.65	.50	--	--	--	100	*	--
BRT Terminal (KY)	98	128.5	28.10	1.72	--	--	--	--	--	--	--	100	--	--
Colbert (AL)	273	125.2	33.21	1.45	1	478.5	27.31	.50	--	--	--	100	*	--
Cumberland (TN)	498	128.3	30.90	2.18	4	388.5	22.75	.50	--	--	--	100	*	--
Gallatin (TN)	260	128.2	31.71	2.56	*	426.0	24.89	.50	--	--	--	100	*	--
Johnsonville (TN)	249	129.7	32.04	1.78	1	453.0	26.58	.50	--	--	--	100	*	--
Kingston (TN)	261	124.5	31.38	1.16	--	--	--	--	--	--	--	100	--	--
Paradise (KY)	521	111.3	24.87	3.79	--	--	--	--	--	--	--	100	--	--
Sevier (TN)	166	120.0	30.75	1.45	--	--	--	--	--	--	--	100	--	--
Shawnee (KY)	320	129.8	31.00	1.27	1	410.5	23.83	.50	--	--	--	100	*	--
Widows Creek (AL)	383	122.9	29.24	2.59	2	502.6	28.94	.50	--	--	--	100	*	--
Terrabonne Parrish Con	--	--	--	--	--	--	--	--	145	275.3	2.87	--	--	100
Houma (LA)	--	--	--	--	--	--	--	--	145	275.3	2.87	--	--	100
Texas Municipal Power Agency	134	152.7	18.21	1.58	--	--	--	--	10	211.0	2.16	99	--	1
Gibbons Creek (TX)	134	152.7	18.21	1.58	--	--	--	--	10	211.0	2.16	99	--	1
Texas Utilities Electric Co	2,396	118.2	15.02	.80	3	387.3	22.45	.50	21,422	291.2	2.98	58	*	42

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
	(1,000 tons)				(1,000 bbls)				(1,000 Mcf)					
Texas Utilities Electric Co														
Big Brown (TX)	346	128.6	17.39	0.84	--	--	--	--	63	291.2	2.98	99	--	1
Decordova (TX)	--	--	--	--	--	--	--	--	3,577	291.2	2.96	--	--	100
Eagle Mountain (TX)	--	--	--	--	--	--	--	--	195	291.2	3.03	--	--	100
Graham (TX)	--	--	--	--	--	--	--	--	758	291.2	3.00	--	--	100
Handley (TX)	--	--	--	--	--	--	--	--	2,131	291.2	2.98	--	--	100
Lake Creek (TX)	--	--	--	--	--	--	--	--	933	291.2	3.09	--	--	100
Lake Hubbard (TX)	--	--	--	--	--	--	--	--	1,199	291.2	3.02	--	--	100
Martin Lake (TX)	891	153.7	20.77	1.04	--	--	--	--	--	--	--	100	--	--
Monticello (TX)	994	104.7	12.12	.50	3	387.3	22.45	0.50	--	--	--	100	--	--
Morgan Creek (TX)	--	--	--	--	--	--	--	--	2,463	291.2	2.96	--	--	100
Mountain Creek (TX)	--	--	--	--	--	--	--	--	1,309	291.2	2.98	--	--	100
North Lake (TX)	--	--	--	--	--	--	--	--	1,227	291.2	2.96	--	--	100
Permian Basin (TX)	--	--	--	--	--	--	--	--	2,792	291.2	2.96	--	--	100
Sandow No 4 (TX)	365	72.5	9.80	1.15	--	--	--	--	--	--	--	100	--	--
Stryker (TX)	--	--	--	--	--	--	--	--	1,646	291.2	2.99	--	--	100
Tradinghouse (TX)	--	--	--	--	--	--	--	--	571	291.2	3.06	--	--	100
Valley (TX)	--	--	--	--	--	--	--	--	2,558	291.2	3.01	--	--	100
Texas-New Mexico Power Co	145	154.1	21.40	1.04	--	--	--	--	2	222.0	2.22	100	--	*
TNP One (Tx)	145	154.1	21.40	1.04	--	--	--	--	2	222.0	2.22	100	--	*
Toledo Edison Co	119	178.4	46.12	1.06	--	--	--	--	--	--	--	100	--	--
Bay Shore (OH)	119	178.4	46.12	1.06	--	--	--	--	--	--	--	100	--	--
Tri State Gen & Trans Assn, Inc	434	109.1	22.04	.41	--	--	--	--	7	197.4	2.02	100	--	*
Craig (CO)	409	110.6	22.43	.37	--	--	--	--	7	197.4	2.02	100	--	*
Nucila (CO)	26	82.8	15.75	1.08	--	--	--	--	--	--	--	100	--	--
Tucson Electric Power Co	274	158.6	29.20	.68	--	--	--	--	11	265.2	2.72	100	--	*
Irrington (AZ)	21	228.9	46.91	.40	--	--	--	--	11	265.2	2.72	97	--	3
Springerville (AZ)	253	152.0	27.73	.70	--	--	--	--	--	--	--	100	--	--
Union Electric Co	877	140.2	28.04	.97	22	417.8	24.04	.29	68	249.3	2.55	99	1	*
Labadie (MO)	539	125.0	24.23	.82	20	414.7	23.86	.29	--	--	--	99	1	--
Meramec (MO)	98	206.3	47.87	1.27	--	--	--	--	14	245.2	2.49	99	--	1
Rush Island (MO)	201	126.8	25.04	1.04	2	449.4	25.86	.29	--	--	--	100	*	--
Sioux (MO)	39	211.8	46.25	1.97	--	--	--	--	--	--	--	100	--	--
Venice No.2 (IL)	--	--	--	--	--	--	--	--	54	250.4	2.56	--	--	100
United Illuminating Co	54	172.0	45.03	.52	275	248.8	15.97	.93	--	--	--	44	56	--
Bridgeport Harbor (CT)	54	172.0	45.03	.52	38	247.7	15.96	.98	--	--	--	85	15	--
New Haven Hbr (CT)	--	--	--	--	237	249.0	15.97	.92	--	--	--	--	100	--
United Power Assn	62	62.7	8.23	.65	1	547.2	31.49	.40	--	--	--	100	*	--
Stanton (ND)	62	62.7	8.23	.65	1	547.2	31.49	.40	--	--	--	100	*	--
Vero Beach City of	--	--	--	--	3	496.8	27.46	.05	132	326.8	3.36	--	11	89
Vero Beach (FL)	--	--	--	--	3	496.8	27.46	.05	132	326.8	3.36	--	11	89
Vineland City of	3	177.0	45.85	.82	--	--	--	--	--	--	--	100	--	--
H M Down (NJ)	3	177.0	45.85	.82	--	--	--	--	--	--	--	100	--	--
Virginia Electric & Power Co	832	136.2	34.60	1.34	18	378.1	22.23	.20	1,382	275.0	2.85	93	*	6
Bremo Bluff (VA)	8	145.5	38.44	.97	--	--	--	--	--	--	--	100	--	--
Chesapeake Energy (VA)	126	152.2	39.69	.95	--	--	--	--	*	638.9	6.68	100	--	*
Chesterfield (VA)	289	141.1	36.31	1.10	--	--	--	--	1,333	277.5	2.88	84	--	16
Mount Storm (WV)	314	121.8	30.22	1.80	--	--	--	--	--	--	--	100	--	--
Possum Point (VA)	31	148.5	37.83	.87	18	378.1	22.23	.20	--	--	--	88	12	--
Yorktown (VA)	64	143.2	36.27	1.24	--	--	--	--	48	202.2	2.09	97	--	3
West Penn Power Co	226	142.7	36.24	1.86	3	457.6	27.10	.27	5	422.7	4.23	100	*	*
Armstrong (PA)	60	129.0	32.13	1.81	*	458.0	27.12	.27	--	--	--	100	*	--
Hatfield (PA)	142	150.2	38.55	1.82	3	455.1	26.95	.27	--	--	--	99	1	--
Mitchell (PA)	24	131.5	32.66	2.18	*	569.2	33.71	.27	5	422.7	4.23	99	*	1

See notes and footnotes at end of table.

Table 63. Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, October 1993 (Continued)

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Avg. Sulfur %	Receipts	Average Cost ²		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf		
West Texas Utilities Co	268	164.5	27.38	0.38	—	—	—	—	3,099	221.3	2.21	59	—	41
Fort Phantom (TX)	—	—	—	—	—	—	—	—	1,060	257.4	2.57	—	—	100
Oak Creek (TX)	—	—	—	—	—	—	—	—	383	219.7	2.20	—	—	100
Oklahoma (TX)	268	164.5	27.38	.38	—	—	—	—	—	—	—	100	—	—
Paint Creek (TX)	—	—	—	—	—	—	—	—	149	236.0	2.37	—	—	100
Rio Pecos (TX)	—	—	—	—	—	—	—	—	668	203.7	2.04	—	—	100
San Angelo (TX)	—	—	—	—	—	—	—	—	839	187.6	1.88	—	—	100
Western Farmers Elec Coop Inc	141	171.9	28.45	.40	—	—	—	—	1,336	218.1	2.22	63	—	37
Anadarko (OK)	—	—	—	—	—	—	—	—	1,138	218.1	2.22	—	—	100
Hugo (OK)	141	171.9	28.45	.40	—	—	—	—	—	—	—	100	—	—
Mooreland (OK)	—	—	—	—	—	—	—	—	198	218.2	2.22	—	—	100
Western Massachusetts Elec Co	—	—	—	—	*	425.3	24.79	0.00	22	235.0	2.41	—	6	94
West Springfield (MA)	—	—	—	—	*	425.3	24.79	.00	22	235.0	2.41	—	6	94
Wisconsin Electric Power Co	838	115.4	23.77	.53	1	467.8	27.22	.26	37	309.7	3.13	100	*	*
Oak Creek (WI)	194	150.3	38.01	.52	—	—	—	—	18	300.3	3.04	100	—	*
Pleasant Prairie (WI)	458	69.0	11.85	.35	—	—	—	—	7	325.5	3.29	100	—	*
Port Washington (WI)	—	—	—	—	—	—	—	—	7	304.0	3.09	—	—	100
Presque Isle (MI)	116	149.2	34.09	.61	1	467.8	27.22	.26	—	—	—	100	*	—
Valley (WI)	70	171.7	45.24	1.54	—	—	—	—	5	328.9	3.31	100	—	*
Wisconsin Power & Light Co	581	134.8	25.09	.63	2	436.9	25.69	.00	—	—	—	100	*	—
Columbia (WI)	208	133.8	22.75	.56	—	—	—	—	—	—	—	100	—	—
Edgewater (WI)	239	140.1	26.83	.74	1	442.9	26.04	.00	—	—	—	100	*	—
Nelson Dewey (WI)	121	117.3	23.39	.40	*	471.4	27.72	.00	—	—	—	100	*	—
Rock River (WI)	13	208.8	46.59	2.11	*	328.6	19.32	.00	—	—	—	100	*	—
Wisconsin Public Service Corp	260	132.9	25.05	.47	—	—	—	—	27	424.1	4.31	99	—	1
Pulliam (WI)	137	132.4	26.50	.59	—	—	—	—	25	434.0	4.41	99	—	1
Weston (WI)	123	133.5	23.43	.33	—	—	—	—	2	300.4	3.06	100	—	*
Wyandotte Municipal Serv Comm ..	14	190.0	50.16	.69	—	—	—	—	—	—	—	100	—	—
Wyandotte (MI)	14	190.0	50.16	.69	—	—	—	—	—	—	—	100	—	—
U.S. Total	67,122	140.5	29.11	1.14	14,005	² 236.6	15.03	1.29	226,136	² 241.3	2.46	81	5	14

¹ The October 1993 petroleum coke receipts were 97,502 short tons and the cost was 70.0 cents per million Btu.

² Monetary values are expressed in nominal terms.

³ The entry includes at least one delivery at a price of 1,000 cents per million Btu or greater. High price is frequently caused when fixed costs are averaged into a small quantity.

* Less than 0.05.

Notes: *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 1993 are preliminary. *Mcf=thousand cubic feet and bbl=barrel.*Holding Companies are: AEP is American Electric Power, APS is Allegheny Power System, ACE is Atlantic City Electric, CSW is Central & South West Corporation, CES is Commonwealth Energy System, DMV is Delmarva, EU is Eastern Utilities Associates Company, GPS is General Public Utilities, MSU is Middle South Utilities, NEES is New England Electric System, NU is Northeast Utilities, SC is Southern Company, TU is Texas Utilities.

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

Appendix A

Major Disturbances and Unusual Occurrences in U.S. Electric Power Systems

Appendix A

Major Disturbances and Unusual Occurrences in U.S. Electric Power Systems

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

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

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

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

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

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

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

Data Sources

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

Table A1. Major Disturbances and Unusual Occurrences in U.S. Electric Power Systems, 1993

Date	Time	Area	Utility/Power Pool (NERC Council)	Type of Disturbance	Loss (megawatt)	Number of Customers Affected	Restoration Time
1/01/93	10:19 AM	Portola, CA	Plumas-Sierra Rural Electric Coop. (WSCC)	¹ Line Fault	16	5,592	10:21 AM Same Day
1/01/93	11:19 AM	Portola, CA	Plumas-Sierra Rural Electric Coop. (WSCC)	² Line outage	16	5,492	11:33 AM Same Day
1/01/93	2:14 PM	Portola, CA	Plumas-Sierra Rural Electric Coop. (WSCC)	³ Line fault	16	5,492	3:23 PM Same Day
1/04/93	5:26 PM	Puget Sound area, WA	Bonneville Power Administration (WSCC)	⁴ Circuit Bkr	514	NA	6:23 PM Same Day
1/06/93	7:36 PM	Portola, CA	Plumas-Sierra Rural Electric Coop. (WSCC)	⁵ Line Fault	16	5,492	7:42 PM Same Day
1/07/93	1:39 AM	Portola, CA	Plumas-Sierra Rural Electric Coop. (WSCC)	⁶ Line Fault	16	5,492	2:15 PM Same Day
1/07/93	4:52 AM	Portola, CA	Plumas-Sierra Rural Electric Coop. (WSCC)	⁷ Line open	16	5,492	1:17 PM Same Day
1/10/93	1:27 AM	Portola, CA	Plumas-Sierra Rural Electric Coop. (WSCC)	⁸ Storm	5	16	1:41 PM Same Day
1/20/93	6:00 AM	Lewis County WA	P.U.D. No. 1 of Lewis County, WA (WSCC)	⁹ Storm	120	20,000	Midnight 1/23/93
1/20/93	7:30 AM	Puget Sound area, WA	Puget Sound Power and Light Company (WSCC)	¹⁰ Storm	2,000	500,000	9:00 AM 1/25/93
2/17/93	3:09 PM	Watertown, SD	Western Area Power Administration (MAPP)	¹¹ C. B. Fail	40	NA	3:27 PM Same Day
3/12/93	8:00 PM	Alabama	Alabama Power Company (APC) (SERC)	¹² Storm	NA	256,000	12:00 PM 3/17/93
3/12/93	9:41 PM	West Central FL	Florida Power Corporation (FPC) (SERC)	¹³ Storm	1,000	400,000	12:00 AM 3/18/93
3/12/93	Evening	Eastern TN, Northeast AL Northern GA	Tennessee Valley Authority (TVA) (SERC)	¹⁴ Storm	1,000	517,617	Morning 3/22/93
3/13/93	1:00 AM	Southern and Eastern, FL	Florida Power and Light Company (FPL) (SERC)	¹⁵ Storm	1,600	500,000	3:00 PM 3/16/93
3/13/93	6:30 AM	Georgia	Oglethorpe Power Corporation (OPC) (SERC)	¹⁶ Storm	625	300,000	5:00 PM 3/19/93
3/13/93	3:35 PM	New England	New England Power Pool (NEPOOL) (NPCC)	¹⁷ Storm	NA	115,000	9:00 AM 9/15/93
3/13/93	2:53 AM	Delmarva Peninsula	Delmarva Power and Light Company (MAAC)	¹⁸ Storm	NA	20,000	4:14 PM 3/14/93

See endnotes on the next page.

Table A1. Major Disturbances and Unusual Occurrences in U.S. Electric Power Systems, 1993—Continued

Date	Time	Area	Utility/Power Pool (NERC Council)	Type of Disturbance	Loss (megawatt)	Number of Customers Affected	Restoration Time
3/13/93	Late PM	Western, MD	Potomac Edison Company (ECAR)	¹⁸ Storm	NA	3,500	1:00 PM 3/15/93
3/13/93	1:13 PM	Long Island, N.Y.	Long Island Lighting Company (LILCO) (NPCC)	²⁰ Storm	NA	145,000	1:00 PM 3/14/93
3/13/93	Early AM	S.E. New York State	Orange and Rockland Utilities (NPCC)	²¹ Storm	NA	6,000	Morning 3/14/93
3/13/93	Morning	S.E. New York State	Rochester Gas and Electric Company (NPCC)	²² Storm	NA	4,500	12:00 PM 3/14/93
3/13/93	NA	Baltimore and Northeast MD	Baltimore Gas and Electric Company (MAAC)	²² Storm	NA	132,000	12:00 AM 3/14/93
3/13/93	NA	Washington DC and Southern MD	Potomac Electric Power Company (MAAC)	²⁴ Storm	NA	6,500	NA 3/14/93
3/13/93	NA	New York City	Consolidated Edison Company of NY (NPCC)	²⁵ Storm	NA	5,000	12:00 PM 3/14/93
3/13/93	NA	Atlantic City NJ	Atlantic Electric Company (MAAC)	²⁶ Storm	NA	25,000	Evening 3/14/93
3/13/93	NA	Central and Eastern PA	Pennsylvania Power and Light Company (MAAC)	²⁷ Storm	NA	49,000	Morning 3/15/93
3/13/93	7:00 AM	New Jersey	Public Service Electric and Gas Company (MAAC)	²⁸ Storm	NA	26,000	12:00 PM 3/14/93
3/13/93	Midday	East Central NJ	Jersey Central Power and Light Company (MAAC)	²⁸ Storm	NA	74,000	6:00 PM 3/14/93
3/13/93	6:00 AM	Philadelphia PA and Suburbs	Philadelphia Electric Company (MAAC)	²⁸ Storm	NA	100,000	Evening 3/14/93
3/22/93	5:37 AM MST	Eastern WSCC	Western Area Power Administration (WAPA) (WSCC)	³¹ Equipment	60	13 Wholesale	6:25 AM Same Day
4/27/93	10:46 AM	New York City	Consolidated Edison Company of N.Y. (NPCC)	²⁹ V.R. Test	120	2,957,036	11:44 AM Same Day
5/27/93	11:33 AM MAST	Salt Lake City Utah	Pacificorp East NW Power Pool (WSCC)	³⁰ Bus Trips	230	NA	11:54 AM Same Day
6/04/93	7:01 PM PAST	Vancouver, Is. B.C. Canada	British Columbia Hy. and Power Authority (WSCC)	³⁴ Lightning	730	NA	7:28 PM Same Day
6/04/93	3:00 PM	Logan, W. Va. and Virginia	Appalachian Power (ECAR)	²⁸ Storm	750	188,612	5:00 PM 6/10/93
6/07/93	6:54 PM	Lake Park, IA	I. & O Power Coop. Rock Rapids, IA (MAPP)	²⁹ Tornado	NA	1,000	7:44 PM Same Day

See endnotes on the next page.

Table A1. Major Disturbances and Unusual Occurrences in U.S. Electric Power Systems, 1993—Continued

Date	Time	Area	Utility/Power Pool (NERC Council)	Type of Disturbance	Loss (megawatt)	Number of Customers Affected	Restoration Time
6/10/93	10:30 AM	Pierre, SD	Western Area Power Administration (MAPP)	³⁷ Accident	23	NA	11:15 AM Same Day
6/27/93	12:41 PM MAST	Wyoming Colorado, Border	Tri-State G. & T. Association, Inc. (WSCC)	³⁸ Forest fire	None	None	NA
7/02/93	11:41 PM MAST	S.W. Wyoming and S.E. Idaho	Pacificorp-East (WSCC)	³⁹ Line Fault	75	NA	
7/14/93	9:43 AM PAST	S. Oregon and N. California	Pacificorp-West (WSCC)	⁴⁰ Fallen trees	355	100,000	11:18 AM Same Day
7/20/93	1:20 PM CDT	S.W. Missouri	Empire District Electric Company (SPP)	⁴¹ High Load	225	NA	4:30 PM Same Day
7/20/93	9:40 PM	Southern Illinois	Southern Illinois Power Cooperative (MAIN)	⁴² Vandalism	15	14,500	1:17 PM 7/21/93
7/28/93	12:00 PM	Kansas City, Missouri	Utilitcorp United Inc Mo. Pub. Service (SPP)	⁴³ Fuel Supply	None		Not Applicable
8/21/93	6:03 PM CDT	Ordill, Illinois	Central Illinois Public Service Company (MAIN)	⁴⁴ Sabotage	NA	1,000	7:30 PM Same day
8/25/93	5:06 AM HST	Honolulu, Oahu, Hawaii	Hawaiian Electric Company Hawaii	⁴⁵ Equipment	NA	79,000	8:00 AM Same day
9/09/93	2:45 PM	New York State	New York Power Pool (NPCC)	⁴⁶ Fuel Low	None		Not Applicable
10/04/93	2:14 AM	Seattle, WA Business Area	Seattle City Light (WSCC)	⁴⁷ Cable Fire	10.9	1,800	12:00 AM 10/08/93
10/10/93	1:08 AM PAST	Washington State	BPA and several P.U.D.S (WSCC)	⁴⁸ Equipment	713	NA	2:22 AM Same Day
10/10/93	3:25 AM PAST	West Columbia, AI	Alabama Power Company (SERC)	⁴⁹ Sabotage	NA	100	3:05 AM 10/11/93
10/12/93	6:04 AM PAST	Los Angeles South Nevada Utah	LA Dept of Wtr and Pwr Intermt. Pwr. (WSCC)	⁵⁰ Operation	None	None	Not Applicable
10/30/93	NA	Sylmar, CA	LA Dept of Wtr and Pwr (WSCC)	⁵¹ Fire	NA	NA	NA

¹ A tree fell into the Pacific Gas and Electric Company line that supplies the cooperative, causing the line to trip.

² The Pacific Gas and Electric Company line supplying the cooperative was out of service. No cause was stated.

³ A 21-kilovolt circuit fell into the 60-kilovolt circuit from Pacific Gas and Electric that supplies the cooperative; the supply line tripped.

⁴ The 230-kilovolt circuit breaker at the Olympia Substation of Bonneville Power Administration (BPA) caught fire, causing loss of the east bus. This breaker was on the 230-kilovolt line to Kitsap. The Olympia- to-Shelton No. 4 230-kilovolt line then was tripped by protective relays (reason unknown), separating the Olympic peninsula from the 230-kilovolt system. The resulting overload caused tripping of the Shelton-Kitsap No. 2 115-kilovolt line within 12 seconds of the breaker fire and also resulted in tripping of the 230/115 kilovolt transformer at Fairmount Substation on overload. Load was restored in times ranging from 9 minutes to 57 minutes. Customers without service were Daishowa Paper Mill, Rayonier Paper Mill, U.S. Navy, and an unknown number of customers in the service areas of City of Port Angeles, Puget Sound Power and Light Company and Clallum County (WA) Public Utility District No. 1.

⁵ Outage of supply line from Pacific Gas and Electric Company due to fault on neutral overcurrent.

⁶ Fault on the Pacific Gas and Electric Company supply line; reason unknown.

⁷ Outage of supply line from Pacific Gas and Electric Company; a jumper burned open on the first pole out of Quincy substation on the Pacific Gas and Electric system.

⁸ Supply line from Pacific Gas and Electric Company locked out due to storm.
⁹ A windstorm caused trees to fall into overhead lines, breaking poles, crossarms and insulators, and damaging distribution transformers. Many miles of line conductor were knocked to the ground.

¹⁰ By noon on January 20, 1993, the storm which had begun at about 7:30 AM had caused the loss of about 500,000 customers. As of 10:00 AM on January 21, some 340,000 customers were still without power. At 6:30 AM on January 22, about 160,000 customers were still without power, with 350 line crews working on service restoration. There were no significant generation problems but many distribution lines and about 50 transmission lines were down.

¹¹ Failure of a 115-kilovolt bus circuit breaker de-energized the bus and circuits to Waterloo, South Dakota and the East River Cooperative. The total load of the two systems was about 40-megawatts. Watertown has a population of about 17,000. Power to the cooperative was restored in one minute by switching to an alternate feeder. Power to Watertown was restored in 18 minutes.

¹² Heavy snowfall and storm conditions damaged distribution facilities and tripped 18 transmission lines. Lines out of service at various times during the storm were: 15 at 115-kilovolts, 1 at 161-kilovolts, 2 at 230-kilovolts. The 500 kilovolts lines did not trip.

¹³ Severe weather with winds gusting to 100 mph and sustained winds of 20-30 mph traversed the 32-county service area of FPC. Winds damaged microwave facilities at Crystal River Plant and at major load centers in the Orlando area. Salt spray contamination and flooding to the level of switchyard foundation caps also occurred at the Crystal River plant. Tie-line, substation and generation control and indication circuits were lost. High winds hampered aerial bucket-truck work. An FPC Phase I Capacity Alert was declared at 5:00 PM on March 13 due to severe cold front, 2 large steam units on annual maintenance and one large unit on forced outage. On Sunday March 14, two additional large steam units were forced out due to failure of contaminated insulation, and a Statewide Capacity Alert was declared for Monday morning March 15 because state operating reserve margin was less than the required amount. On March 15, an FPC Phase II Capacity Alert was declared at 6:00 AM because high loads were anticipated and some generating units were unavailable. A Statewide Capacity Emergency was declared because it appeared possible that firm loads might have to be curtailed. An FPC Phase III Capacity Alert was declared at 7:06 AM. Load management interruptible load actions were implemented, a 1.5 percent voltage reduction was instituted and emergency power purchases were made. Firm loads were not curtailed. At 7:53 AM, the FPC Phase III Capacity Alert was terminated. The Phase II and Phase I Capacity Alerts were ended at 11:00 AM. On March 17, transmission problems were again experienced because of wind-blown salt contamination and misting rain and fog. Problems at the Crystal River plant 230-kilovolt and 500-kilovolt switchyards caused loss of all remaining units at the plant (1,350 megawatt scheduled off and 2,000 megawatt forced out). The last customers were returned to service on March 18.

¹⁴ The TVA service area was subjected to blizzard conditions on the evening of March 12 and the morning of March 13. Winds and falling trees damaged the distribution system, mainly in the area from Scottsboro, Alabama to Bristol, Virginia. Ten transmission and subtransmission lines tripped and were restored in about 2.5 hours on the average. As of March 22 about 2,500 customers, mostly in the mountainous terrain of northern Alabama and northern Georgia, were still without electrical service. About 125 line crews were used to restore service, made up of TVA construction and maintenance personnel and crews from TVA distributors in the central and western portions of TVA's service area. The total customers without power on March 13 were: Tennessee 348,960; Alabama 91,157; Georgia 77,500.

¹⁵ Heavy winds, lightning and a cold front traversed the FPL service area beginning Saturday, March 13. Fifteen transmission lines tripped out of service, some of them several times. Thirteen of the lines serve a total of 47 distribution substations. All transmission lines and substations were back in service by the end of the day on March 13. All distribution feeders were back in service by Tuesday morning March 16. At the height of the storm on March 13 about 500,000 customers were without service. The number was reduced to 140,000 by Sunday morning March 14. As of 3:00 PM on Tuesday March 16, 13,500 customers were still without service, in northeastern Florida. The company had 1,650 utility and contract working crews on service restoration.

¹⁶ OPC provides wholesale power to 39 of the 42 Electric Membership Corporations in Georgia. "Tornado-like winds" in southern Georgia and a blizzard in the central and northern parts of the state, beginning early Saturday, March 13 and continuing through Sunday, March 14 damaged distribution facilities. Transmission facilities were mostly intact.

¹⁷ A blizzard with 70-mph winds and much snow caused tripping of two 345-kilovolt lines and three generators. In addition, nuclear units Millstone 1 and 3 had to reduce output because their cooling water intakes were clogged by debris due to high seas, Brayton Point 2 had its output reduced because of wet coal, the Canal plant had its output reduced because of opacity problems and Merrimack No. 2 unit had its output reduced because of a forced draft fan problem. Customer outages were due to distribution circuit damage.

¹⁸ A storm tripped a 69-kilovolt line and affected numerous distribution circuits. At the Indian River Power Plant, a temporary operating problem occurred when high winds blew water out of the cooling water intake.

¹⁹ Customer outages were due to storm effects on distribution circuits. The transmission system and generating plants were not affected.

²⁰ Customer outages were due to storm effects on distribution circuits. There were no transmission problems, although winds gusting to 80 MPH knocked down some trees. At Northport Power Plant, one 380-megawatt unit tripped due to salt contamination on a standoff insulator and at Port Jefferson Power Plant one 190-megawatt unit tripped because of salt contamination on an insulator. Some contractor crews were called in to assist company line crews.

²¹ Customer outages were caused by storm effects on distribution circuits. There were no generation or transmission problems.

²² The storm affected distribution circuits but not the generation or transmission facilities.

²³ Customers were affected by storm damage to distribution facilities but transmission facilities were not affected. Crane Generating Plant tripped when a static wire failed but the Plant was restored to service without difficulty.

²⁴ The storm disrupted service to some customers by damaging distribution circuits. There were no generation or transmission problems and no need to activate the Edison Electric Institute Mutual Assistance Pact. Contractor crews were used to supplement the company's line crews in service restoration work.

²⁵ Some distribution circuits were out of service because of the storm. Several transmission circuits tripped but were restored to service within two hours.

²⁶ Distribution circuit damage interrupted service to some customers. No other difficulties were reported.

²⁷ Some distribution circuits were out of service because of the storm, interrupting some customer service.

²⁸ Distribution circuits tripped, interrupting customers. There were no problems with generation or transmission.

²⁹ The service interruptions were caused by breakage of 35 distribution poles, 315 wire sections down, 2 circuit breaker trips and outage of 38 distribution circuits.

³⁰ One transmission substation tripped when hit by lightning but was restored to service. Generating plants were not affected. Customer outages were caused by distribution circuit damage.

³¹ A conductor of the Warren-Skyline 115-kilovolt line fell to the ground (cause unknown). The associated circuit breaker at Archer Substation failed to trip, causing the tripping of four additional 115-kilovolt lines and three 230 kilovolt lines out of Archer, and the Poudre-Richard Lake 115-kilovolt line. The HVDC Converter Stations at Stegall (110 megawatt) and Sidney (200 megawatt) tripped with 300 megawatt flowing from MAPP to WSCC, and Unit 1 at Hayden Power Plant in Colorado, carrying 180 megawatt, also tripped. Frequency rose to 60.01 cycles and fell to 59.96. Sixty megawatts of firm load being supplied to 13 wholesale customers was lost. Transmission restoration began within 5 minutes, generation was restored within 17 minutes and load within 48 minutes. There were no adverse effects in MAPP.

³² Consolidated Edison Company instituted a test of its voltage reduction procedures: 8 percent at 10:46 AM, 5 percent at 10:54 AM, 3 percent at 11:14 AM, normal voltage at 11:44 AM.

³³ The 138-kilovolt Pacificorp East 90th South Substation was in a single bus configuration for maintenance; work was in progress to return it to the normal double bus arrangement. The 138-kilovolt bus differential relaying operated inadvertently to clear the East and West busses, tripping five 138-kilovolt lines, two 345/138-kilovolt transformers and three 138/46 kilovolt transformers. Two megawatts of small hydro generation (at Stairs and Granite hydro plants) tripped, as well as 230 megawatts of firm load. Restoration began immediately.

³⁴ One of the two 138-kilovolt cable from Arnott Substation (mainland) to Vancouver Island Terminal was out of service due to a failed cable. The two 500-kilovolt lines from Cheekye Substation to Malaspina (on the mainland) to Dunsmuir Substation (on Vancouver Island) then tripped and the remaining 138-kilovolt cable from Arnott opened at the Vancouver Island terminal. One pole of the Arnott-Vancouver Terminal DC line blocked but the other pole maintained the tie in service for the 27 minutes needed to resynchronize. Three synchronous condensers at Vancouver Terminal, 27 megawatts of hydro generation and 230-kilovolt line on the island tripped. The frequency on the island dropped to 58.6 HZ and the frequency in the

portion of the WSCC interconnection rose to 60.09 HZ before conditions returned to normal.

³⁶ From the afternoon of June 4 through the early morning hours of June 5 a storm traversed the service area of Appalachian Power Company, damaging subtransmission lines and distribution circuits. As of June 4 late evening customer outages were 141,680 in Virginia and 46,932 in West Virginia (total was 188,612). By June 5 evening the total was 54,366 and by Sunday evening June 6 it was 22,318. Total load lost was 750 megawatts. As of Monday, June 7, 17,305 customers were without service. Damage was due to trees, broken and uprooted by the wind, falling on conductors and breaking them, in addition to damage by lightning. One 138/34.5 kilovolt transformer was damaged and was temporarily replaced by a mobile transformer.

³⁷ Distribution circuit poles were knocked over by a tornado near Lake Park, Iowa. Power to Lake Park was restored at 7:44 PM CDT that day.

³⁸ A 115-kilovolt circuit breaker in the WAPA Pierre substation, feeding the City of Pierre, South Dakota tripped and locked out, interrupting about 23 megawatts of the city's load. Inspection of equipment in the city's substation did not reveal any reason for the trip and lockout signal. It is believed telephone company personnel engaged in cable location activities injected a signal into the cables used for relaying and communications, that tripped the WAPA circuit breaker. All load was restored by 11:15 AM.

³⁹ A forest fire northeast of Walden, Colorado on the Colorado-Wyoming border, burning under the 345-kilovolt Craig-Ault transmission line, caused a C-phase to ground fault at 12:41 PM MAST. The line tripped at 12:44 PM MAST, the test was satisfactory, and the line was closed via a circuit breaker at Craig substation at 12:46 PM; it tripped in 5 seconds on a ground fault to a A-phase on the line. As the breaker was opening to clear the fault it developed a ground fault on its fault on its A-phase. The circuit breaker failure relay did not operate, thereby causing tripping of adjacent lines and transformers and all circuits emanating from the Craig 345-kilovolt South Bus. Craig Generating Unit No. 3, carrying 408 megawatts, then tripped, causing frequency to drop to 59.945 HZ before it recovered to normal. Lines were restored to normal by 6:40 PM and Craig Unit No. 3 was restored to service a 3:21 AM on June 28. No customers were affected, as spinning reserve picked up the load when Craig No. 3 tripped.

⁴⁰ A three-phase ground fault on the Naughton-Monument 230-kilovolt lines resulted from burning of the center pole of a three-pole wooden structure located 5 miles from Naughton. The line tripped, re-closed and tripped again. When the system dispatcher reclosed the line circuit breaker at Naughton into the fault, the breaker and the associated breaker of the breaker- and a-half scheme tripped in less than 3 cycles to clear the fault. A breaker failure relay then mis-operated, tripping the West bus at Naughton and causing 3 other 230-kilovolt lines to trip. Three generating units at Naughton then tripped: No. 1 on underexcitation, No. 2 on excessive current and No. 3 on indication of a transformer ground fault; the total generation dropped was 630 megawatts. All lines were returned to transformer service by 10:34 PM MAST on July 3. Generating Unit No. 1 was restored to service at 3:31 AM on July 3, No. 2 at 5:23 AM on July 3 and No. 3 was kept off line until 1:31 PM on July 4 for repair of a boiler tube leak. One of the 230-kilovolt lines that tripped (Naughton-Treasuron) did so at maximum phase angle difference on the power swing, causing failure of a lightning arrester and subsequent tripping of the 230-kilovolt bus at Treasuron.

⁴¹ The Dixonville-Grants Pass 230-kilovolt line tripped when struck by a fallen tree. This led to tripping of the Klamath Falls-Boyle 230-kilovolt line and the Weed Junction-Cascade 115-kilovolt tie to Pacific Gas and Electric Company. Generating units delivering a total of 205 megawatts (55 U.S. Bureau of Reclamation and 150 megawatts Pacificorp) tripped as follows: J.C. Boyle unit 2; COPCO units 11, 21, 22; Rogue River-Prospect; Bureau of Reclamation Lost Creek; Green Springs; Biomass Cogen; several small hydro units. The customers who lost service were in the area of Medford and Grants Pass in southeastern Oregon. The transmission circuits were restored by 10:28 AM and the lost generating units by 11:40 AM same day. Service to customers was restored between 9:56 AM and 11:18 AM same day.

⁴² High temperature and high humidity caused high loads. Empire District could not purchase sufficient capacity to supplement its own capacity because of low voltage in the area due to cascading tripping of 18 transmission lines in the region: Grand River Dam Authority lost a 345-kilovolt interconnection to Southwestern Electric Power Company, this trip was followed by tripping of another 345-kilovolt line, eight 161-kilovolt lines and eight 69-kilovolt lines. During this incident nominal 161-kilovolt transmission voltages in the area around Joplin, Missouri sagged as low as 137-kilovolt.

⁴³ Vandals cut guy wires on a three-pole dead-end structure and sawed part way through one of the poles immediately east of the Franklin Junction (Illinois) Switching Station of Southern Illinois Power Cooperative. A 138-kilovolt conductor fell and contacted a 69-kilovolt conductor, causing the 138-kilovolt line from Franklin Junction to Central Illinois Public Service Company to trip. Loss of the tie and the 69-kilovolt line made it necessary to close the emergency tie between the City of Fairfield and Wayne-White Counties Electric Cooperative and to ask the City of McLeansboro, Illinois to generate. Southern Illinois Cooperative lost about 6,000 customers, Fairfield 7,000 and McLeansboro 1,500.

⁴⁴ Coal stocks on hand at the Sibley Power Plant are at less than 50 percent of the normal amount for this time of the year. The company reports that the coal-pile reduction is due to the combined effects of a coal strike and floods in the Midwest. Potential flooding has forced rail yards to close, interrupting coal delivery by normal routes. Power supply to customers has not been interrupted. At this time the 490 megawatt plant (3 generating units) has an 18-day supply of coal on hand. This situation was reported in accordance with Section 205.351(d) of the regulations for the reporting of electric power system emergencies (CFR Title 10, Part 205, Subpart W).

⁴⁵ The oil valve on a 138-kilovolt transformers was opened by persons unknown, allowing the oil to drain out and causing the transformer to overheat. Power was lost to about 1,000 customers including the Federal prison at Marion, Illinois. The prison used its back-up generator to supply power during the outage.

⁴⁶ Leakage current across insulators caused a pole-top fire on a 138-kilovolt structure, allowing a line conductor to contact a guy wire and a shield wire. The shield wire fell into the substation bus. The circuit breaker that should have opened to isolate the fault did not trip; it was later discovered that the breaker trip coil was open because of previous voltage impulse. The back-up circuit breaker failed to operate because of an open circuit, forcing several other breakers to trip.

⁴⁷ The New York Power Pool Manager of Operations reported that coal supply at the C.R. Huntley power plant of Niagara Mohawk Power Corporation, in Tonawanda, New York, had been reduced to 25 days of normal operations. A shipment of coal is expected within several days. The situation is not regarded as critical but was reported under Section d.1 of the disturbance reporting requirements.

⁴⁸ A short circuit in 4-kilovolt secondary cables in an underground vault, located in the downtown area of Seattle, caused a fire that destroyed two 13-kilovolt main cables, five 13-kilovolt branch cables, two 4-kilovolt cables and several 120/208-volt bus ties. As cables began tripping under control of protective relays, system operators opened circuits to prevent damage to transformers and other secondary circuits from overloads. Businesses, high-rise condominiums, the Pacific Science Center and two television stations (KIRO and KOMO) lost power. Partial restoration of power was effected at 8:19 AM on October 4 and at 10:00 PM on October 7. By noon on Friday October 8 service had been restored to all customers.

⁴⁹ A static wire broke and dropped across the Longview-Allston No. 3 230-kilovolt transmission line, three 230-kilovolt feeders at Longview Substation and one 12.5-kilovolt distribution line owned by Cowlitz County Public Utility District (PUB) No. 1. The resulting faults caused less of load as follows: Bonneville Power Administration 275 megawatt, Clatskanie County PUB 90 megawatt, Cowlitz County PUD 330 and Lewis County PUD 18 megawatts. At the Beaver Power Plant of Portland General Electric Company, units 2 and 3 tripped with a total of 90 megawatts of generation and unit 7 was manually taken off line. Frequency rose to 60.103 HZ and returned to normal in about 2 minutes. The Longview-Allston line was carrying 306 megawatts when tripped by the static wire accident; it was restored to service at 11:36 PM PAST the same day. The generating units were returned to service the same day as follows: No. 7 at 2:19 AM, No. 3 at 2:53 AM, No. 2 at 8:23 AM.

⁵⁰ A lock was cut from the gate of the district substation and all the oil was drained from the transformer. The transformer overheated and the associated 115-kilovolt line (39 miles long) tripped. Four industrial customers and less than 100 residential customers lost power. Most power was restored within 1.5 hours but one industrial was without service for nearly 24 hours.

⁵¹ The Victorville-Adelanto No. 2 500-kilovolt line tripped when contaminated insulators on two towers flashed over in heavy fog. As a result both poles of the Intermountain-Adelanto D.C. line blocked, causing both Intermountain generating units to trip, dropping 1680 megawatt of generation. Frequency dropped to 59.978 HZ and recovered to normal in about 15 minutes. Intermountain No. 2 was returned to service at 7:26 AM same day and Unit 1 at 8:22 AM same day. The Victorville-Adelanto line was left out of service for later replacement of insulators.

⁵² According to a report in Electric Utility Week of November 8 a fire in the Sylmar Converter Station destroyed a thyristor device associated with the Pacific D.C. intertie, reducing the capacity of the line by about 1000 megawatts. The D.C. intertie runs from the Dalles, in north central Oregon near the Washington border, to the Sylmar Converter Station in Los Angeles County. As of December 16 the Department of Energy has not received a report of this incident.

Notes: •Due to the many disturbances occurring as a result of the earthquake in California, no data for November are available at this time. •Under the Code of Federal Regulations (10 CFR Part 205) and published in the **Federal Register** of October 31, 1986, the United States Department of Energy does not receive reports of distribution system outages that are local in nature and affect only a small area or a small number of customers; the following abbreviations may be applicable:

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

Appendix B

References

Appendix B

References

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Appendix C

Technical Notes

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Technical Notes

Sources of Data

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

Form EIA-759

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

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

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. The FERC will process the data through edits and each month provide the EIA with a diskette containing the data. The EIA will review the data for accuracy. Publication of the data will not be effected.

Data Processing. 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 240 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. This is the first year (1993) EIA has 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 Form EIA-826 provides some financial data to the Department of Commerce for use in calculating the Gross Domestic Product and construction costs. The electric power sales data are used by the Federal Reserve Board in their economic analyses.

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

Frame. The current sample for the Form EIA-826, which was designed to obtain estimates of electricity sales and revenue per kilowatthour at the State level by end-use sector, was chosen to be in effect for the

January 1993 data. 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, we are 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 State, Census division, and U.S. level sales, revenue and revenue per kilowatthour by end-use sector (residential, commercial, industrial and other). 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, 13) 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 on a cost-recovery basis.

Form EIA-861

The Form EIA-861 is a mandatory census of electric utilities in the United States. The survey is used to collect information on power production and sales data from approximately 3,250 electric utilities. The data

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

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

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

Form EIA-860

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

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

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

Form OE-417R

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

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

Instrument and Design History. The collection of outage data was initiated by the FPC prior to the organization of the DOE. After Congress passed legislation creating the DOE, the collection of electric power system outage data became a function of the DOE. Currently the Assistant Secretary of IE is the principal DOE office for this activity. Form IE-417 was activated after public comment on a rule-making procedure (FR 7/6/83). The form was revised to Form IE-417R after public comment under a later rule-making procedure (FR 10/31/86). This organization is now known as the Office of Emergency Planning and Operations (OE). The form IE-417R was renamed to OE-417R.

Data Processing. Reports of emergencies are usually received by the Alert Coordination Officer via telephone. The Director, Office of Emergency Operations,

has the authority to require a full technical report (after notice in the *Federal Register*).

Quality of Data

The CNEAF office is responsible for routine data improvement and quality assurance activities. All operations in this office are done in accordance with formal standards established by the EIA. These standards are the measuring rod necessary for quality statistics. Data improvement efforts include verification of data-keyed input by automatic computerized methods, editing by subject matter specialists, and follow-up on nonrespondents. The CNEAF office supports the quality assurance efforts of the data collectors by providing advisory reviews of the structure of information requirements, and of proposed designs for new and revised data collection forms and systems. Once implemented, the actual performance of working data collection systems is also validated. Computerized respondent data files are checked to identify those who fail to respond to the survey. By law, nonrespondents may be fined or otherwise penalized for not filing a mandatory EIA data form. Before invoking the law, the EIA tries to obtain the required information by encouraging cooperation of nonrespondents.

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

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

Data Editing System

Data from the form surveys are edited on a monthly basis using automated systems. The edit includes both deterministic checks, in which records are checked for the presence of required fields and their validity; and statistical checks, in which estimation techniques are used to validate data according to their behavior in the past and in comparison to other current fields. When all data have passed the edit process, the system

builds monthly master files, which are used as input to the *EPM*.

Confidentiality of the Data

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The sample consists of approximately 240 electric utilities. This includes a somewhat larger number of State-service areas for electric utilities. Estimation procedures include imputation to account for nonresponse. Nonsampling error must also be considered. The nonsampling error is not estimated, although attempts are made to minimize it.

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

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

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.

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

The basic approach used is shown in (Royall, 14) with additional discussion of variance estimation in (Royall and Cumberland, 15), (Royall and Cumberland, 16), and (Knaub, 13). From (Royall, 14), 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

$$y_i = bx_i + x_i^\gamma e_{0i}$$

$$\hat{y}_i = bx_i$$

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

Here, n is the Form EIA-826 sample size for that State, and b is the factor ('slope') relating x to y in the linear regression. γ is taken to be 1/2 (see (Knaub, 13)), although more research (Knaub, 17) could refine this.

For the Form EIA-826, $\gamma = 1/2$ has certainly been shown to be adequate (see (Knaub, 13), page 878, Table 1). The variance formula for V_d found in (Royall and Cumberland, 15 and 16) performs well for sales and for revenue. For revenue per kilowatthour, the model covariance comes from notes provided by Professor Poduri S.R. and S. Rao (Rao, 18) of the University of Rochester and the Energy Information Administration. Aggregate level CV estimates for revenue per kilowatthour are calculated as supported by (Hansen, Hurwitz and Madow, 19). Details are planned to be published in (Knaub, 20).

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

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

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

Estimated values for net summer and net winter capability for electric generating units were developed by use of a regression formula. The formula is 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 (b) that is used to relate capacity to capability as follows: $y = bx$, where y is the estimated capability, and x is the known nameplate capacity. There will be a different value for b for different prime movers and for summer and winter capabilities and different percentages as shown in the tables below.

Average Heat Content

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

Rounding Rules for Data

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

Data Correction Procedure

The 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 values (unweighted average) for the 12 monthly revisions of each item are provided at the U.S. level for the past 2 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 1991 was 250. That is, on average, the absolute value of the change made each month to coal-fired generation was 250 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." Data on net summer capability, including new electric generating units, are

collected annually on the Form EIA-860, "Annual Electric Generator Report." The data are published in the *Inventory of Power Plants* as preliminary data. Final data for net summer capability are published in the *Electric Power Annual* (EPA). With respect to net summer capability published in the EPM, the EIA examines the accuracy of that data by comparing the annual total value with the final annual total value published in the EPA. For 1991, the absolute value of the change was 143 megawatts. Final data for 1992 are not available at this time.

NERC Aggregation

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

Use of the Glossary

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

Obtaining Copies of Data

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

Computer listings are obtained by submitting a written request to:

Energy Information Administration, EI-521
Forrestal Building
U.S. Department of Energy
Washington, DC 20585

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

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

Data for Table C1 include all quality of fuels. For a detailed breakdown on types of coal, petroleum and gas, see Tables 40, 44, and 48, respectively.

Table C1. Average Heat Content of Fossil-Fuel Receipts, October 1993

Census Division and State	Coal (Btu per ton)	Petroleum (Btu per barrel)	Gas (Btu per thousand cubic feet)
New England	25,924,049	6,345,758	1,040,053
Connecticut	26,185,038	6,386,750	1,030,000
Maine	—	6,306,476	—
Massachusetts	25,784,890	6,339,504	1,040,467
New Hampshire	25,978,122	6,356,895	—
Rhode Island	—	—	—
Vermont	—	—	999,000
Middle Atlantic	25,118,889	6,319,290	1,031,328
New Jersey	26,308,790	6,289,293	1,036,433
New York	25,706,728	6,333,581	1,031,207
Pennsylvania	24,960,224	6,190,055	1,030,662
East North Central	21,884,261	6,143,364	737,912
Illinois	20,403,676	6,279,477	1,015,900
Indiana	21,012,578	5,759,684	1,019,256
Michigan	21,897,917	6,163,935	* 206,248
Ohio	24,008,148	5,778,255	1,029,927
Wisconsin	19,499,984	5,880,000	1,007,947
West North Central	16,917,612	6,067,841	986,570
Iowa	17,779,974	5,895,134	1,002,845
Kansas	17,472,906	5,809,598	978,958
Minnesota	17,725,626	5,784,390	1,007,081
Missouri	19,415,223	6,131,530	990,463
Nebraska	17,051,580	5,801,880	981,048
North Dakota	13,174,348	5,837,631	1,065,000
South Dakota	11,994,000	—	—
South Atlantic	24,867,703	6,381,682	1,013,846
Delaware	25,897,678	6,379,620	1,031,486
District of Columbia	—	6,068,664	—
Florida	24,401,902	6,397,399	1,008,733
Georgia	24,242,598	5,817,000	1,028,000
Maryland	25,494,393	6,315,581	1,042,736
North Carolina	24,914,016	5,804,128	1,034,000
South Carolina	25,726,058	5,796,000	1,027,609
Virginia	25,673,093	5,876,952	1,037,794
West Virginia	24,887,881	5,851,288	1,000,000
East South Central	24,051,607	6,446,491	1,027,143
Alabama	24,215,946	5,752,855	1,019,026
Kentucky	23,410,194	5,835,421	1,021,799
Mississippi	25,121,028	6,462,275	1,027,864
Tennessee	24,775,750	5,844,261	—
West South Central	15,633,621	5,819,046	1,027,456
Arkansas	17,267,726	5,742,556	1,020,018
Louisiana	16,266,970	6,000,384	1,043,545
Oklahoma	17,244,578	—	1,037,748
Texas	14,980,346	5,796,000	1,022,430
Mountain	19,459,921	6,177,104	1,026,908
Arizona	20,574,116	5,957,238	1,030,314
Colorado	20,029,016	—	1,009,562
Idaho	—	—	—
Montana	16,963,007	5,922,000	1,246,331
Nevada	21,881,956	6,249,600	1,028,090
New Mexico	18,120,854	5,712,000	1,014,684
Utah	22,859,688	5,856,215	1,076,000
Wyoming	17,386,271	5,880,000	1,050,000
Pacific Contiguous	17,000,646	6,266,117	1,028,172
California	—	6,266,253	1,028,941
Oregon	19,583,234	—	1,011,000
Washington	16,275,258	5,796,000	1,050,000
Pacific Noncontiguous	—	6,265,266	998,463
Alaska	—	—	998,463
Hawaii	—	6,265,266	—
U.S. Average	20,714,926	6,350,792	1,021,239

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

Note: Data for 1993 are preliminary.

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

Table C2. Accuracy of Preliminary Monthly Values Compared With Final Monthly Values at the U.S. Level, 1991 and 1992

Item	Mean Absolute Value of Change	
	1991	1992
Generation (million kilowatthours)		
Coal	250	69
Petroleum	27	42
Gas	64	15
Hydroelectric	5	13
Nuclear	3	2
Other ¹	3	0
Total	288	104
Consumption		
Coal (thousand short tons)	88	85
Petroleum (thousand barrels)	35	71
Gas (million cubic feet)	644	163
Stocks²		
Coal (thousand short tons)	1,613	345
Petroleum (thousand barrels)	131	49
Sales (million kilowatthours)		
Residential	114	65
Commercial	83	51
Industrial	334	320
Other ³	50	29
Total	423	409
Revenue (million dollars)		
Residential	11	4
Commercial	4	4
Industrial	10	8
Other ³	3	2
Total	18	14
Average Revenue per Kilowatthour (cents)		
Residential	.0	.0
Commercial	.0	.0
Industrial	.0	.0
Other ³	.0	.0
Total	.0	.0
Receipts		
Coal (thousand short tons)	280	59
Petroleum (thousand barrels)	8	46
Gas (million cubic feet)	59	147
Cost (cents per million Btu)		
Coal	.0	.0
Petroleum	.0	.0
Gas	.0	.0

¹ Includes geothermal, wood, waste, and solar.

² Stocks are end of month values.

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

Notes: *Change refers to the difference between preliminary monthly data published in the Electric Power Monthly (EPM) and the final monthly data published in the EPM, Electric Power Annual, and the Cost and Quality of Fuels for Electric Utility Plants. *Mean absolute value of change is the un-weighted average of the absolute changes.

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

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, Survey Management Division.

Table C4. Comparison of Published Data at the State Level, 1990 and 1991, by End-use Sector

Item	1990			1991		
	EIA-826	EIA-861	Difference (Percent)	EIA-826	EIA-861	Difference (Percent)
Sales (million kilowatthours)						
Residential	921,473	924,019	0.3	957,801	955,417	-0.2
Commercial	750,835	751,027	*	765,476	765,664	*
Industrial	936,428	945,522	1.0	944,684	946,583	.2
Other ¹	95,936	91,988	-4.3	96,513	94,339	-2.3
All Sectors	2,704,672	2,712,555	.3	2,764,474	2,792,003	-.1
Revenue (million dollars)						
Residential	72,332	72,378	.1	77,142	76,828	-.4
Commercial	55,080	55,117	.1	57,471	57,655	.3
Industrial	44,453	44,857	.9	45,803	45,737	-.1
Other ¹	5,941	5,891	-.9	6,207	6,138	-1.1
All Sectors	177,806	178,243	.2	186,624	186,359	-.1
Average Revenue per Kilowatthour (cents)						
Residential	7.8	7.8	-.2	8.1	8.0	-.2
Commercial	7.3	7.3	*	7.5	7.5	.3
Industrial	4.7	4.7	-.1	4.8	4.8	-.3
Other ¹	6.2	6.4	3.3	6.4	6.5	1.2
All Sectors	6.6	6.6	*	6.8	6.7	-.1

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

* Value less than 0.1.

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-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 and Alaska

Regional Electric Area Council Areas:

ECAR- East Central Area Reliability Coordination Agreement	SERC- Southeastern Electric Reliability Council
MAIN- Mid-American Interpool Network	SPP- Southwest Power Pool
MAAC- Mid-Atlantic Area Council	ERCOT- Electric Reliability Council of Texas
MAPP (U.S.)- Mid-Continent Area Power Pool	WSCC (U.S.)- Western Systems Coordinating Council
NPCC (U.S.)- Northeast Power Coordinating Council	ASCC- Alaska Systems Coordinating Council Council

Source: North American Electric Reliability Council.

Glossary

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

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

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

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

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

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

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

Baseload Plant: A plant, usually housing high-efficiency steam-electric units, which is normally operated to take all or part of the minimum load of a system, and which consequently produces electricity

at an essentially constant rate and runs continuously. These units are operated to maximize system mechanical and thermal efficiency and minimize system operating costs.

Bcf: The abbreviation for 1 billion cubic feet.

Bituminous Coal: The most common coal. It is dense and black (often with well-defined bands of bright and dull material). Its moisture content usually is less than 20 percent. It is used for generating electricity, making coke, and space heating. Comprises five groups classified according to the following ASTM Specification D388-84, on a dry mineral-matter-free (mmf) basis for fixed-carbon and volatile matter and a moist mmf basis for calorific value.

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

LV = Low-volatile A 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. NERC consists of nine regional reliability councils and encompasses essentially all the power regional of the contiguous United States, Canada, and Mexico. The NERC Regions are:

ASCC - Alaskan System Coordination Council

ECAR - East Central Area Reliability Coordination Agreement

ERCOT - Electric Reliability Council of Texas

MAIN - Mid-America Interconnected Network

MAAC - Mid-Atlantic Area Council

MAPP - Mid-Continent Area Power Pool

NPCC - Northeast Power Coordinating Council

SERC - Southeastern Electric Reliability Council

SPP - Southwest Power Pool

WSCC - Western Systems Coordinating Council

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

Nuclear Power Plant: A 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.

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 intervening systems. Wheeling service contracts can be established between two or more systems.

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

Electronic Publishing System EPUB

EPUB is an electronic publishing system maintained by the Energy Information Administration (EIA) of the U.S. Department of Energy. EPUB allows the general public to electronically access selected energy data from many of EIA's statistical reports. The system is a menu-driven, bulletin-board-type system with extensive online help capabilities that can be accessed free of charge 24 hours a day by using a terminal or PC with an asynchronous modem. (EPUB will be taken down briefly at midnight for backup.)

PC users must provide the following information to their communications software in order to successfully access the EPUB system:

Communications Parameters:

Baud Rate: 300 - 2400 bps

Data Bits: 8; Stop Bits: 1

Parity: None; Duplex: Full

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Once communications software and/or hardware have been configured, EPUB can be accessed by dialing (202)586-2557. When a connection to the system has been made, some users may find that the menu-driven instructions and the online capabilities will provide enough information to effectively use EPUB. If needed, more extensive information may be found in the *EPUB User's Guide*, which is available online from the EPUB system or from:

National Energy Information Center, EI-231
Energy Information Administration
Forrestal Building, Room 1F-048
Washington, DC 20585
(202)586-8800

TTY: For people who are deaf or
hard of hearing: (202)586-1181

Hours: 9 a.m. to 5 p.m., M-F, eastern time

For communications or technical assistance, call (202)586-8959, 8 a.m. to 5 p.m. eastern time, Monday through Friday. For questions about the contents of EPUB reports and data, call (202)586-8800, 9 a.m. to 5 p.m., M-F, eastern time.

EPUB provides statistical information, as well as data from selected EIA publications, such as:

Heating fuel data

Updated the 2nd week of the month.

Oxygenates data

Updated approximately the 25th of the month.

Weekly Petroleum Status Report

Updated on Wednesdays (Thursdays in the event of a holiday) at 5 p.m.

Petroleum Supply Monthly

Updated on the 20th of the month.

Petroleum Marketing Monthly

Updated on the 20th of the month.

Natural Gas Monthly

Updated on the 20th of the month.

Weekly Coal Production

Updated on Fridays at 5 p.m.

Quarterly Coal Report

Updated 60 days after the end of the quarter.

Electric Power Monthly

Updated on the 1st of the month.

Monthly Energy Review

Updated the last week of the month.

Short-Term Energy Outlook

Updated 60 days after the end of the quarter.

Winter Fuels Report (October through April)

Updated every Thursday at 5 p.m.

Periodically, new items are added to the electronic bulletin board. EIA is now completing implementation of two new subject areas on this system. The first area, "End-Use Consumption Surveys," provides electronic access to selected data and analyses from the residential, commercial, manufacturing, and residential transportation consumption surveys. The second area, "Monthly Energy Review (MER) Features," provides access to special articles from the most recent publication, with a listing of all previous articles.

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