

Electric Power Monthly April 1999

With Data for January 1999

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

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED 

MASTER

Contacts

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

Mr. Kenneth McClevey, Project Leader
Energy Information Administration, EI-53.1
U.S. Department of Energy
Washington, DC, 20585

Telephone number: (202)426-1144
Internet E-Mail number: KENNETH.MCCLEVEY@EIA.DOE.GOV

or the following subject specialists:

Subject	Contact	Phone Number	Internet E-Mail
Electricity Supply and Demand Forecast	Rebecca McNerney	202-426-1251	REBECCA.MCNERNEY@EIA.DOE.GOV
Industry Developments	Kenneth McClevey	202-426-1144	KENNETH.MCCLEVEY@EIA.DOE.GOV
New Electric Generating Units	Elsie Bess	202-426-1142	ELSIE.BESS@EIA.DOE.GOV
U.S. Electric Utility Net Generation	Melvin E. Johnson	202-426-1172	MELVIN.JOHNSON@EIA.DOE.GOV
U.S. Electric Utility Consumption of Fuels	Melvin E. Johnson	202-426-1172	MELVIN.JOHNSON@EIA.DOE.GOV
U.S. Electric Utility Stocks of Fuels	Melvin E. Johnson	202-426-1172	MELVIN.JOHNSON@EIA.DOE.GOV
U.S. Electric Utility Fossil-Fuel Receipts . .	Kenneth McClevey	202-426-1144	KENNETH.MCCLEVEY@EIA.DOE.GOV
U.S. Electric Utility Fossil-Fuel Costs	Kenneth McClevey	202-426-1144	KENNETH.MCCLEVEY@EIA.DOE.GOV
U.S. Retail Sales of Electricity, Associated Revenue and Average Revenue per Kilowatthour	Deborah Bolden	202-426-1235	DEBORAH.BOLDEN@EIA.DOE.GOV
U.S. Nonutility Sales for Resale	Barbara Rucker	202-426-1192	BARBARA.RUCKER@EIA.DOE.GOV
U.S. Nonutility Net Generation	Betty Williams	202-426-1269	BETTY.WILLIAMS@EIA.DOE.GOV
Sampling and Estimation Methodologies	James Knaub, Jr.	202-426-1145	JAMES.KNAUB@EIA.DOE.GOV

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

To EIA's Customers

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

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

Preface

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

Background

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

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

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

Data Sources

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

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

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

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

Contents

	Page
Monthly Update	1
Utility Generation and Retail Sales-January 1999	1
Nonutility Sales for Resale-January 1999	1
Utility Fuel Receipts, Costs, and Quality-December 1998	1
Industry Developments	13
UtiliCorp United and St. Joesph Light & Power to Merge	13
Unicom Corporation to Sell Electric Plants to Edison Mission Energy	13
Duquesne Light and First Energy Complete Asset Transfer Agreements	14
U.S. Electric Utility Net Generation	17
U.S. Electric Utility Consumption of Fossil Fuels	29
Fossil-Fuel Stocks at U.S. Electric Utilities	35
Receipts and Cost of Fossil Fuels at U.S. Electric Utilities	39
U.S. Electric Utility Sales, Revenue, and Average Revenue per Kilowatthour	57
Monthly Plant Aggregates: U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks	69
Monthly Plant Aggregates: U.S. Electric Utility Receipts, Cost, and Quality of Fossil Fuels	113
Annual Plant Aggregates: Net Generation, Fuel Consumption, and Fuel Stocks	131
Appendices	
A. General Information	201
B. Major Disturbances and Unusual Occurrences	205
C. Technical Notes	207
Glossary	223

Tables

1.	New U.S. Electric Generating Units by Operating Company, Plant, and State, and Retirements and Total Capability, 1999	10
2.	U.S. Electric Power Summary Statistics	11
3.	U.S. Electric Power Industry Net Generation, 1990 Through January 1999	17
4.	U.S. Electric Utility Net Generation by Nonrenewable Energy Source, 1990 Through January 1999	18
5.	U.S. Electric Utility Net Generation by Renewable Energy Source, 1990 Through January 1999	19
6.	Electric Utility Net Generation by NERC Region and Hawaii	20
7.	Electric Utility Net Generation by Census Division and State	21
8.	Electric Utility Net Generation from Coal by Census Division and State	22
9.	Electric Utility Net Generation from Petroleum by Census Division and State	23
10.	Electric Utility Net Generation from Gas by Census Division and State	24
11.	Electric Utility Hydroelectric Net Generation by Census Division and State	25
12.	Electric Utility Nuclear-Powered Net Generation by Census Division and State	26
13.	Electric Utility Net Generation from Other Energy Sources by Census Division and State	27
14.	U.S. Electric Utility Consumption of Fossil Fuels, 1989 Through January 1999	29
15.	Electric Utility Consumption of Coal by NERC Region and Hawaii	30
16.	Electric Utility Consumption of Petroleum by NERC Region and Hawaii	30
17.	Electric Utility Consumption of Gas by NERC Region and Hawaii	31
18.	Electric Utility Consumption of Coal by Census Division and State	32
19.	Electric Utility Consumption of Petroleum by Census Division and State	33
20.	Electric Utility Consumption of Gas by Census Division and State	34
21.	U.S. Electric Utility Stocks of Coal and Petroleum, 1989 Through January 1999	35
22.	Electric Utility Stocks of Coal by NERC Region and Hawaii	36
23.	Electric Utility Stocks of Petroleum by NERC Region and Hawaii	36
24.	Electric Utility Stocks of Coal by Census Division and State	37
25.	Electric Utility Stocks of Petroleum by Census Division and State	37
26.	U.S. Electric Utility Receipts of and Average Cost for Fossil Fuels, 1988 Through December 1998	40
27.	Electric Utility Receipts of Coal by NERC Region and Hawaii	41
28.	Average Cost of Coal Delivered to Electric Utilities by NERC Region and Hawaii	41
29.	Electric Utility Receipts of Petroleum by NERC Region and Hawaii	42
30.	Average Cost of Petroleum Delivered to Electric Utilities by NERC Region and Hawaii	42
31.	Electric Utility Receipts of Gas by NERC Region and Hawaii	43
32.	Average Cost of Gas Delivered to Electric Utilities by NERC Region and Hawaii	43
33.	Electric Utility Receipts of Coal by Type, Census Division, and State, December 1998	44
34.	Receipts and Average Cost of Coal Delivered to Electric Utilities by Census Division and State	45
35.	Receipts and Average Cost of Coal Delivered to Electric Utilities by Type of Purchase, Mining Method, Census Division, and State, December 1998	46
36.	Receipts and Average Cost of Coal Delivered to Electric Utilities by Sulfur Content, Census Division, and State, December 1998	47
37.	Electric Utility Receipts of Petroleum by Type, Census Division, and State, December 1998	49
38.	Receipts and Average Cost of Petroleum Delivered to Electric Utilities by Census Division and State ...	50
39.	Receipts and Average Cost of Petroleum Delivered to Electric Utilities by Type of Purchase, Census Division, and State, December 1998	51
40.	Receipts and Average Cost of Heavy Oil Delivered to Electric Utilities by Sulfur Content, Census Division, and State, December 1998	52
41.	Electric Utility Receipts of Gas by Type, Census Division, and State, December 1998	54
42.	Receipts and Average Cost of Gas Delivered to Electric Utilities by Census Division and State	55
43.	Receipts and Average Cost of Gas Delivered to Electric Utilities by Type of Purchase, Census Division and State, December 1998	56
44.	U.S. Electric Utility Retail Sales of Electricity by Sector, 1989 Through January 1999	57

Tables (continued)

45.	Estimated U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, January 1999 and 1998	58
46.	Estimated Coefficients of Variation for U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, January 1999	59
47.	Estimated U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1999 and 1998	60
48.	Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, 1989 Through January 1999	61
49.	Estimated Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, January 1999 and 1998	62
50.	Estimated Coefficients of Variation for Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, January 1999	63
51.	Estimated Revenue from U.S. Electric Utility Retail Sales to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1999 and 1998	64
52.	U.S. Electric Utility Average Revenue per Kilowatthour by Sector, 1989 Through January 1999	65
53.	Estimated U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector, Census Division, and State, January 1999 and 1998	66
54.	Estimated Coefficients of Variation for U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector, Census Division, and State, January 1999	67
55.	Estimated U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1999 and 1998	68
56.	U.S. Electric Utility Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, December 1998	69
57.	Receipts, Average Cost, and Quality of Fossil Fuels Delivered to U.S. Electric Utilities by Company and Plant, December 1998	113
58.	Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, 1998	131
B1.	Major Disturbances and Unusual Occurrences, January 1999	206
C1.	Average Heat Content of Fossil-Fuel Receipts, December 1998	217
C2.	Comparison of Preliminary Versus Final Published Data at the U.S. Level, 1993 Through 1997	218
C3.	Unit-of-Measure Equivalents for Electricity	219
C4.	Comparison of Sample Versus Census Published Data at the U.S. Level, 1996 and 1997	219
C5.	Estimated Coefficients of Variation for Electric Utility Net Generation by State, January 1999	221
C6.	Estimated Coefficients of Variation of Electric Utility Fuel Consumption and Stocks by State, January 1999	222

Illustrations

C1.	North American Electric Reliability Council Regions for the Contiguous United States and Alaska	220
-----	--	-----

Monthly Update

Utility Generation and Retail Sales-January 1999

Generation. Total U.S. net generation of electricity was 276 billion kilowatthours, 4 percent above the amount reported in January 1998. The energy source with the largest kilowatthour increase in generation compared with January of last year was nuclear-powered plants, higher by 7 billion kilowatthours. Electricity generated from petroleum was also above the amount reported during the same period last year, higher by 60 percent.

Sales. Total sales of electricity to ultimate consumers in the United States during January 1999 were 280 billion kilowatthours, 12 billion kilowatthours or 5 percent higher than the level reported at this time in 1998. Compared with January 1998, retail sales of electricity in all the major end-use sectors increased, except in the industrial sector, which decreased slightly. The residential sector had sales of 111 billion kilowatthours, 9 percent higher than in January 1998, while retail sales in the commercial sector increased by 5 percent.

Utility Fuel Receipts, Costs, and Quality-December 1998

Coal. Receipts of coal at electric utilities totaled 80 million short tons, up 1 million short tons from receipts reported in December 1997. Receipts were at record levels for the month. Consumption of coal decreased from December 1997 levels due in-part to warmer-than-normal weather and to higher nuclear generation.

As a result, stocks of bituminous coal (including subbituminous coal) rose 4 million short tons to the 114 million short ton level. This compares with bituminous coal stocks of 91 million at the end of December 1997. The average cost of coal received at electric utilities was \$1.21 per million Btu compared to \$1.25 per million Btu in December 1997. This was the lowest average monthly cost of coal since May 1979.

Petroleum. Receipts of petroleum totaled nearly 14 million barrels, up nearly 2 million barrels from December 1997. End-of-December stocks totaled 54 million barrels, their highest level since November 1995. The average cost of petroleum delivered to electric utilities was \$1.84 per million Btu, the lowest cost since December 1973. This made petroleum attractive for baseload generation and is in-part the reason for an increase in petroleum-fired generation from 1997 levels.

Gas. Receipts of gas totaled 175 billion cubic feet (Bcf), down from the 187 Bcf reported in December 1997. The average cost of gas delivered to electric utilities was \$2.31 per million Btu, compared to \$2.78 per million Btu reported in December 1997. Receipts of gas to California showed a substantial decrease due in-part to the nonreporting status of several plants owned by Southern California Edison Company (SCE) and Pacific Gas & Electric Company (PG&E). During 1998, several SCE and PG&E plants were sold and are now operating as nonutility power plants. Therefore, they are no longer required to report fuels receipts on Federal Energy Regulatory Commission (FERC) Form 423.

Utility Fossil Fuel Receipts and Costs – The Year in Review

In 1998, preliminary data show that electric generating plants owned by electric utilities received 929 million short tons of coal, 165 million barrels of petroleum products, and 2,920 billion cubic feet (Bcf) of gas at a total delivered cost of \$33 billion.¹ Coal accounted for 82.5 percent of total Btu content of fossil fuels delivered in 1998, while gas and petroleum accounted for 13 and 4.5 percent, respectively. The average cost of fossil fuels delivered to these plants in 1998 was \$1.44 per million Btu, the lowest annual cost since 1978. (Due to restructuring of the electric power industry, several generating plants owned and operated by electric utilities were sold in 1998 to nonutility power producers and reclassified as nonutility generating plants. At the completion of the sale, these plants were no longer required to file receipt and cost data on the Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and generation, consumption, and stock data on the Energy Information Administration (EIA) Form 759, "Monthly Power Plant Report." Therefore, the 1998 databases for these two surveys include only partial reporting of monthly data by these generating plants. The 1997 databases include a full year of monthly data. A list of plants sold during 1998 can be found on page 15 of this publication.

Electric utility plants received a record 929 million short tons of coal in 1998, up from 881 million short tons received in 1997. This increase was primarily due to record demand for coal-fired generation, and to the rebuilding of coal stocks as they relate to the resumption of coal deliveries via the Union Pacific Railroad to near normal levels from the reduced levels of 1997. Factors that either directly or indirectly limited coal receipts included the sale of eight coal-fired electric utility plants, and near record nuclear generation.

In 1998, coal-fired generation totaled a record 1,807 terawatt-hours² (TWh), up 1 percent from the 1,788 TWh reported in 1997. Likewise, coal consumption totaled a record 911 million short tons, up from 900 million short tons in 1997. This ultimately led to an increase in coal receipts at electric utilities. Contributing to record coal-fired generation and demand for coal was a strong economy (indicated in-part by record electricity sales to the industrial sector), a decrease in hydroelectric generation, and warmer-than-normal summer weather. Hydroelectric generation, which typically displaces fossil-fired generation, fell 10 percent from 1997 levels. The above-normal summer temperatures resulted in record coal-fired generation for June, July, and August. Coal consumption during this period was at an all-time high of 253 million short tons while receipts of coal totaled a record 238 million short tons. August set a monthly record for coal receipts at 82 million short tons. According to data from the National Oceanic and Atmospheric Administration (NOAA), the summer of 1998 was the ninth warmest since record keeping began in 1895.³

The return to near normal coal deliveries via the Union Pacific Railroad (UPRR) was also a positive factor for coal receipts in 1998. During the second half of 1997, operational problems on the UPRR resulted in rail congestion and negatively impacted receipts of coal to the West North Central and West South Central Census divisions. Receipts of contracted coal at some plants were so far behind schedule that some electric utilities had to reduce coal-burn in order to conserve stocks. By mid 1998, through the combination of UPRR having solved many of their problems and the cooperation and help of other railroads, coal deliveries and stocks returned to near normal levels. In fact, end-of-year stocks levels in the West North Central and West South Central Census divisions were above the 1997 end-of-year levels by 32 and 30 percent, respectively. Nationwide, end-of-year stocks of coal were 121 million short tons, up from 99 million short tons at the end of 1997. Much higher levels of stocks (for the most part unrelated to improvements on the UPRR) are also notable in the East North Central and South Atlantic Census divisions. Combined, these two Census divisions accounted for an 11-million-short-ton increase in stocks. Also contributing to an increase in end-of-year stocks at the National level was the second warmest autumn on record since 1895.⁴ The above normal autumn

¹Federal Energy Regulatory Commission (FERC) Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." This survey covers over 99 percent of all coal and approximately 90 percent of the petroleum and gas delivered to electric utilities. It does not include any data on fuel receipts and costs at nonutility generating plants.

²A terawatt-hour is equal to one billion kilowatt-hours.

³National Oceanic and Atmospheric Administration, National Climatic Data Center, extracted from the Internet at <http://www.ncdc.noaa.gov/ol/climate/research/1998/aug/aug98.html> on April 6, 1999.

⁴U.S. Department of Agriculture, *Weekly Weather and Crop Bulletin* (January 20, 1999).

temperatures that reduced heating loads, coupled with consistently high levels of nuclear generation during the September through November period, reduced demand for coal-fired generation.

The sale of eight electric plants in 1998 also affected end-of-year stock data. Had these plants reported end-of-year stocks in 1998, and if these stocks had been reported at 1997 end-of-year levels, total coal stocks would have increased by an additional 1.5 million short tons. Overall, the reported 22-million-short-ton increase in stocks was a factor in electric utilities receiving record coal receipts in 1998.

The sale of eight electric utility plants and their reclassification as nonutility plants reduced coal receipts in 1998. These eight plants include State Line (Commonwealth Edison Company of Indiana), Kincaid (Commonwealth Edison Company), Coleman, Green, Reid-Henderson, and Wilson (Big Rivers Electric Corporation), and Brayton Point and Salem Harbor (New England Power Company). Receipts of fuel were reported for these plants on FERC Form 423 until the month the sale became official and the facility was reclassified as a nonutility generating plant. If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, total receipts would have increased by an additional 6.5 million short tons.

Continuing the downward trend of the past 12 years, the average delivered cost of coal decreased to \$1.25 per million Btu, down from the \$1.27 per million Btu in 1997.⁵ Contributing to this lower cost of coal were the continuing expiration, renegotiation, and buyouts of older, high-priced contracts, improved efficiency in coal production and transportation, increased use of low-cost western coal, and, to some extent, excess production capacity. The average cost of coal delivered under contract in 1998 was \$1.27 per million Btu, down from \$1.29 per million Btu in 1997. Coal purchased on the spot-market (contracts of less than one year duration) decreased to \$1.20 per million Btu, down from the \$1.21 per million Btu in 1997.

The average sulfur content (measured as percent sulfur by weight) of coal delivered in 1998 was 1.06 percent, down from 1.11 percent in 1997. The average Btu content of coal was 10,238 per pound, down from 10,275 per pound in 1997. Over the past several years, the average sulfur and Btu content of coal have been trending downward as electric utilities have increased their use of low-sulfur, low-Btu western coal from the Powder River Basin (PRB) of Montana and Wyoming. Receipts of coal from the PRB totaled 301 million short tons versus 294 million short tons in 1997. The Western province was the origin for a record 430 million short tons (46 percent of all coal receipts), up from 390 million short tons (44 percent) in 1997. Receipts of coal from Wyoming totaled 305 million short tons, up 35 million short tons or 13 percent from 1997. Receipts of coal from Montana rose 2 million short tons to reach the 40-million-short-ton level. Receipts of coal from the Appalachian region totaled 317 million short tons versus 308 million in 1997. Coal receipts from Pennsylvania rose 5 million short tons to reach 58 million short tons. This was the largest volume change of any coal producing State in the Appalachian region. Receipts of coal (excluding lignite) from the Interior region totaled 99 million short tons, down from 100 million in 1997. The largest change in volume occurred in Indiana, which shipped an additional 3 million short tons to electric utilities in 1998. Receipts of lignite from Louisiana, Montana, North Dakota, and Texas remained unchanged at 77 million short tons. Wyoming ranked highest among coal producing States with 305 million short tons of coal delivered to electric utilities. Kentucky and West Virginia were ranked second and third with 120 million short tons and 106 million short tons, respectively. Imports of coal rose to 6 million short tons, up from 5 million short tons in 1997. The origin for most imported coal was Colombia and Venezuela. Electric utilities receiving at minimum 500,000 short tons of imported coal include Jacksonville Electric Authority, New England Power Company, Central Hudson Gas & Electric Company, and Tampa Electric Company.

Petroleum. Receipts of petroleum at electric utilities totaled 165 million barrels, up from 118 million barrels received in 1997. This was the third consecutive yearly increase and the highest level reported since 1991. The increase in 1998 was primarily fueled by a substantial decrease in the cost of crude oil and related products. Receipts to the South Atlantic Census division soared to 75 million barrels or 45 percent of all receipts, up from 45 million barrels and 38 percent in 1997. Receipts of petroleum to Florida were the highest of any State at 60 million barrels, up from 38 million

⁵The delivered cost of fossil fuels includes all costs (i.e., transportation, taxes, etc.) incurred by the electric utility for delivery of the fuel to the plant. It does not include unloading charges.

in 1997. Contributing to the increase was the low-cost of Number 6 fuel oil which made it attractive for baseload generation, and the fact that, Florida endured its warmest summer on record, according to NOAA. This contributed to record electric generation and higher demand for heavy fuel oil. Receipts to the Middle Atlantic Census division rose to 32 million barrels, up from 19 million barrels in 1997. Electric plants in New York, which are still dependant on petroleum as a baseload fuel, received 23 million barrels.

Receipts to the New England Census division totaled 36 million barrels, down approximately 0.6 million barrels from 1997 levels. This decrease in receipts was primarily due to the sale of the Mystic (Boston Edison Company) and Salem Harbor (New England Power Company) generating stations, and to some degree, higher nuclear generation. (If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, total petroleum receipts to the New England Census division would have increased by an additional 6 million barrels.) The sale of electric plants was not a significant factor affecting petroleum receipts and consumption in other Census divisions. Combined, the New England, Middle Atlantic, and South Atlantic Census divisions accounted for 86 percent of all petroleum receipts, up from 85 percent in 1997.

Petroleum coke receipts at electric utilities totaled 3 million short tons, up from 2 million short tons in 1997. The Jacksonville Electric Authority received nearly 873,000 short tons, up from 630,000 short tons in 1997. Northern States Power Company, Pennsylvania Power & Light Company, and Seminole Electric Cooperative also received substantial quantities of this fuel. Petroleum coke is gaining more acceptance at electric utilities due to its high Btu content and low-cost per million Btu. The average delivered cost of petroleum coke was \$0.71 per million Btu, compared to \$0.91 in 1997. A negative factor associated with this fuel is its high sulfur content which ranges between 4 and 6 percent. Petroleum coke is usually blended with a higher percentage of lower sulfur coal before it is burned in the boiler.

In 1998, the average cost of petroleum delivered to electric utilities was \$2.14 per million Btu compared with \$2.88 per million Btu in 1997. This was the lowest average annual cost since 1976. In December, the average cost fell to \$1.84 per million Btu, the lowest monthly cost since December 1973. A worldwide supply/demand imbalance in crude oil was responsible for a substantial decrease in petroleum-product prices. The magnitude of the decline can be seen in the refiner acquisition cost of crude oil which fell from \$19.04 per barrel in 1997 to \$12.57 per barrel in 1998, its lowest level since 1978.⁶ The average cost of Number 2 fuel oil was \$3.30 per million Btu, down from \$4.49 per million Btu reported in 1997. This fuel is used primarily for start-up and flame stabilization at steam-electric plants. The average cost of heavy fuel oil (Number 4, 5, and 6 fuel oil) was \$2.08 per million Btu, compared to \$2.79 per million Btu in 1997. The decrease in petroleum costs resulted in the annual average delivered cost of heavy oil being less expensive than natural gas for the first time since 1993, and only the second time since data collection began in 1972. This is important when considering the capability of many electric plants to burn the least expensive of the two fuels.

Gas. Receipts of gas to electric utilities totaled 2,920 billion cubic feet (Bcf), up from 2,765 Bcf reported in 1997. The sale of several electric plants and their reclassification to nonutility status affected receipts in 1998. (If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, gas receipts in 1998 would have totaled approximately 3,100 Bcf.) The average cost of gas was \$2.38 per million Btu, down from \$2.76 reported in 1997. Receipts to the West South Central Census division rose by 266 Bcf with Texas accounting for 192 Bcf of the increase. The substantial rise in gas receipts and consumption in Texas was mainly due to the State experiencing its warmest April through July period on record.⁷ On the other hand, California reported gas receipts of 267 Bcf, down from 375 Bcf in 1997. This was due to the sale and reclassification to nonutility status of several gas-fired electric plants owned by Pacific Gas & Electric Company and Southern California Edison Company. (If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, gas receipts to California in 1998 would have totaled approximately 410 Bcf.) One might expect that the 13-TWh increase in generation from hydroelectric and nuclear plants in California might have displaced gas-fired generation (and receipts) in 1998. However, a substantial decrease in hydroelectric generation in both Oregon and Washington

⁶Energy Information Administration, *Monthly Energy Review* (MER), DOE/EIA-0035(99/03) (Washington, DC, March 1999), Table 9.1.

⁷National Oceanic and Atmospheric Administration, National Climatic Data Center; extracted from the Internet at <http://www.ncdc.noaa.gov/ol/climate/research/1998/aug/aug98.html> on April 7, 1999.

reduced exports of electricity from these States into California. Therefore, California needed to generate more of its own electricity requirements.

Receipts of gas to the New England Census division totaled 45 Bcf, down from 95 Bcf in 1997. Receipts were affected by the sale and reclassification of the Manchester Street plant owned by New England Power Company and the New Boston and Mystic plants owned by the Boston Edison Company. (If these plants had reported a full year of data and if receipts for each month after the sale were reported at 1997 levels, total gas receipts to the New England Census division in 1998 would have increased by an additional 32 Bcf. However, a 32-percent increase in nuclear generation coupled with petroleum costs that were substantially below the cost of natural gas would have limited the use of gas at these plants in 1998.)

In the South Atlantic Census Division, receipts of gas were 285 Bcf, down from 311 Bcf reported in 1997. Receipts of gas to Florida decreased 35 Bcf, due in-part to competition from low-cost heavy fuel oil. Several plants, especially those that are operated by Florida Power & Light Company (FP&L), can switch between petroleum and gas in order to burn the least expensive fuel. FP&L received 190 Bcf of gas, down from 222 Bcf in 1997, while petroleum receipts rose from 25 million barrels to 41 million barrels. The average cost of gas for FP&L was \$2.76 per million Btu compared to \$2.08 per million Btu for petroleum.

Hydroelectric and Nuclear Generation Effects on Fossil-Fuel Requirements

Hydroelectric generation totaled 304 TWh, down 10 percent from a record 337 TWh generated in 1997. However, 1998 was the third consecutive year that generation topped the 300-TWh level, something that has not happened since the years 1982 through 1984. Since hydroelectric generation is the lowest cost power to generate, it does displace the use of fossil-fuels by electric utilities. This is especially important in the Pacific Contiguous Census division where more than one-half of the Nations' hydropower is generated. In 1998, hydroelectric generation in California rose by 23 percent due to higher-than-normal levels of precipitation and to an April 1998 snowpack in the Sierra Nevada mountains that was more than 130 percent above normal. This compares with very little snowpack in 1997.⁸ (The snowpack and subsequent melting are very important to help maintain streamflow and reservoir levels into the summer months). To the north, both Oregon and Washington began 1998 with a mountain snowpack that was considerably below the level of January 1, 1997. By April 1, 1998, the snowpack in the Columbia River Basin was only 81 percent of normal as compared to nearly 140 percent of normal on April 1, 1997.⁹ This was the primary reason for Oregon and Washington reporting decreases in hydroelectric generation of 15 and 23 percent, respectively. The net result for the Pacific Contiguous Census division was an 11-percent decrease in hydroelectric generation from 1997.

The availability of hydroelectric generation in the Pacific Northwest is reflected in the activity of the coal-fired Boardman plant, owned by Oregon-based Portland General Electric Company. The amount of generation produced by Boardman is directly dependant on the availability of hydroelectric power. The less hydroelectric power that is available in the region, the more Boardman is operated to produce electricity. This was evident in 1998 as coal receipts, consumption, and generation at Boardman more than doubled from the levels of 1997.

Though hydroelectric generation at the National level and, in particular, Oregon and Washington, showed a substantial decrease from 1997 levels, the Nation actually recorded its fifth wettest year on record compared to the forty-fourth wettest in 1997.¹⁰ The Northwest Region—the NOAA region that includes Idaho, Oregon, and Washington—actually had its sixth wettest year on record in 1998, as compared with its sixteenth wettest in 1997. However, the seasonal distribution and variation of precipitation in 1998, coupled with below normal levels of snowpack in the Pacific Northwest at the start of the year, was not as favorable for hydroelectric generation as it was in 1997. As for the remainder of the Nation, all Census divisions, except the South Atlantic Census division, reported decreases in hydroelectric generation. In addition to Oregon and Washington, other States with significant hydroelectric generating

⁸United States Department of Agriculture, Natural Resource Conservation Service; National Water and Climate Center; extracted from the Internet at <http://www.wcc.nrcs.usda.gov/wcc.html> on March 19, 1999.

⁹*Ibid.*

¹⁰U.S. Department of Agriculture, *Weekly Weather and Crop Bulletin*, January 20, 1999 and January 13, 1998.

capacity that also reported decreases in hydroelectric generation included Alabama, Arizona, Idaho, Montana, New York, and South Dakota.

Nuclear generation was also an important factor affecting fossil-fuel use by electric utilities. In 1998, nuclear generation totaled 674 TWh, 7 percent higher than the 629 TWh produced in 1997. This was just shy of the record 675 TWh of nuclear generation produced in 1996. The annual capacity factor¹¹ for nuclear plants was 78 percent compared with 71 percent in 1997. This was the highest annual capacity factor for nuclear plants since data collection began in 1973.¹² The December 1998 capacity factor was an impressive 87 percent. This has major implications on the fossil-fuel requirements of electric utilities due to the fact that like hydroelectric power, nuclear generation also displaces fossil-fired generation. (Based on national level consumption and generation data presented in the *Electric Power Monthly*, and assuming a net summer nuclear capability of 99,000 megawatts, a 1-percent increase in the annual nuclear plant capacity factor (equivalent to 8,672,400 megawatt-hours¹³ (MWh) of additional nuclear generation) translates into a reduction in annual consumption of either 4.4 million short tons of coal,¹⁴ 14 million barrels of petroleum, or 92 billion cubic feet of gas, or most likely, a combination of each.)

The New England Census division reported a 26-percent increase in nuclear generation, the largest percentage change for any Census division. This, coupled with the sale of electric plants, contributed to a decrease in reported coal use in New England. The South Atlantic Census division had the largest volume increase at nearly 20 TWh. Among States reporting large increases in nuclear generation were California, Connecticut, Florida, Illinois, Louisiana, New Jersey, North Carolina, South Carolina, and Wisconsin. New Jersey reported the largest volume increase in nuclear generation at 13 TWh. This was due to a substantial increase in generation from the Salem nuclear plant (Public Service Electric & Gas Company). Florida was helped by a 36-percent or 8-TWh increase in nuclear generation. This was primarily due to the return to service of the Crystal River nuclear unit #3, operated by Florida Power Corporation. Large declines in nuclear generation were reported in Michigan and Pennsylvania, primarily due to a year-long outage at Indiana-Michigan Power Company's Cook nuclear facility, and to an extended outage at the Duquesne Light Company's Beaver Valley nuclear facility. Three nuclear units were decommissioned during 1998. The shutdown of the Zion 1 and 2 (Commonwealth Edison Company), and Millstone 1 (Northeast Utilities) had little effect on year-to-year changes in the data since each had been out of service for most of 1997 and 1998.

¹¹Capacity factor is the ratio of the amount of electricity produced by a generating plant for a given period of time to the electricity that the plant could have produced at continuous full-power operation during the same period.

¹²Energy Information Administration, *Monthly Energy Review* (MER), DOE/EIA-0035(99/03) (Washington, DC, March 1999), Table 8.1.

¹³This number is derived by multiplying 99,000 megawatts of summer capability by 8,760 hours (number of hours in a year). The result is then multiplied by 0.01 (1 percent). A one percent change equals 8,672,400 MWh.

¹⁴This calculation is based on a simple ratio of 1998 national level data. If the consumption of 911 million short tons of coal (Table 14) produces 1,807,480,000 MWh of generation (Table 4), then it should take 4.4 million short tons of coal to produce 8,672,400 MWh of generation.

Electricity Supply and Demand Forecast for 1999¹

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

- Electricity demand in 1999 is projected to grow in each of the five demand sectors. The overall total for 1999 is forecast at 1.1 percent above 1998 levels, which is lower than the 3.7 percent growth rate experienced in 1998.
- Residential demand for electricity in 1999 is projected to increase by 1.2 percent over 1998. This is due to the expected second and third quarter increase in cooling demand over the same period in 1998, when temperatures were milder than normal.
- Commercial sector demand is forecast to rise by 1.7 percent in 1999 and can be attributed mainly to expanding employment and favorable economic conditions. Industrial demand is projected to grow by 0.2 percent in 1999 reflecting the continuing growth in industrial output.
- Electricity generation at U.S. utilities is expected to grow at the rate of 1.2 percent, which is 1.8 percent below the growth rate experienced in 1998. The nonutility generation growth rate is projected to remain steady at 1.5 percent.
- Assuming that weather will be normal in 1999, hydropower generation by electric utilities is expected to decrease by 8.1 percent from the abnormally high levels seen the past 3 years. These levels resulted from increased availability of hydroelectric generation due to high runoff conditions in the Pacific Northwest, created by above-average rainfall in 1996 and 1997.
- Nuclear power generation is expected to increase by 0.2 percent as it continues to recover from the negative growth seen in 1997, as many of the downed nuclear plants go back on line (but not back up to peak 1996 levels).
- Net imports of electricity from Canada are forecast to be 8.7 percent above last year's level. This ends the downward trend which occurred each year (except in 1996) after the record high levels of imports seen in 1994.

¹Energy Information Administration, *Short-Term Energy Outlook: 1st Quarter 1999*, DOE/EIA-0202 (99/1Q) (Washington, DC, January 1999).

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

Electricity Supply and Demand (Billion Kilowatthours)

	1999				
	1st	2nd	3rd	4th	Year
Supply					
Net Utility Generation					
Coal	455.5	436.1	492.8	461.2	1845.7
Petroleum	32.9	30.7	35.9	27.9	127.4
Natural Gas	51.3	85.8	118.4	61.7	317.3
Nuclear	174.3	154.5	181.4	163.5	673.6
Hydroelectric	76.5	77.9	65.6	64.0	284.0
Geothermal and Other ^a	1.8	1.7	1.7	1.7	6.9
Subtotal	792.3	786.7	895.9	780.1	3255.0
Nonutility Generation ^b					
Coal	15.1	14.4	15.7	17.6	62.8
Petroleum	4.0	3.9	4.2	4.7	16.8
Natural Gas	50.9	48.7	53.0	59.4	212.0
Other Gaseous Fuels ^c	2.9	2.8	3.1	3.4	12.2
Hydroelectric	4.3	4.1	4.5	5.0	18.0
Geothermal and Other ^d	17.8	17.0	18.5	20.8	74.1
Subtotal	95.0	91.0	99.1	110.9	396.0
Total Generation	887.3	877.7	994.9	891.0	3651.0
Net Imports	6.8	7.9	11.2	7.8	33.7
Total Supply	894.1	885.6	1006.1	898.8	3684.6
Losses and Unaccounted for ^e ..	47.3	73.5	64.3	65.7	250.8
Demand					
Electric Utility Sales					
Residential	298.5	253.3	329.6	264.7	1146.2
Commercial	229.3	231.9	269.3	233.4	964.0
Industrial	253.9	264.0	274.1	263.1	1055.0
Other	25.2	24.7	27.2	25.4	102.6
Subtotal	807.0	773.9	900.3	786.6	3267.8
Nonutility Gener. for Own Use ^b ..	39.8	38.1	41.5	46.5	166.0
Total Demand	846.8	812.1	941.8	833.1	3433.8
Memo:					
Nonutility Sales to					
Electric Utilities ^b	55.2	52.9	57.5	64.4	230.1

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

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

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

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

^eBalancing item, mainly transmission and distribution losses.

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

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

Heating Degree-Days by Census Division, January 1999

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> [*]	1998	1999	Normal to 1999	1998 to 1999
New England	1,262	1,054	1,219	-3.4	15.7
Middle Atlantic	1,170	897	1,099	-6.1	22.5
East North Central	1,315	1,037	1,273	-3.2	22.8
West North Central	1,398	1,188	1,347	-3.6	13.4
South Atlantic	670	503	541	-19.3	7.6
East South Central	844	636	651	-22.9	2.4
West South Central	620	428	446	-28.1	4.2
Mountain	991	865	856	-13.6	-1.0
Pacific Contiguous	573	513	554	-3.3	8.0
U.S. Average	948	754	860	-9.3	14.1

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

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

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

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

Cooling Degree-Days by Census Division, January 1999

Census Division	Number of Degree-Days			Percent Change	
	<i>Normal</i> [*]	1998	1999	Normal to 1999	1998 to 1999
New England	0	0	0	NM	NM
Middle Atlantic	0	0	0	NM	NM
East North Central	0	0	0	NM	NM
West North Central	0	0	0	NM	NM
South Atlantic	30	27	30	NM	NM
East South Central	7	0	2	NM	NM
West South Central	12	0	5	NM	NM
Mountain	0	0	0	NM	NM
Pacific Contiguous	1	0	0	NM	NM
U.S. Average	7	5	6	NM	NM

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

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

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

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

Table 1. New U.S. Electric Generating Units by Operating Company, Plant, and State, and Retirements and Total Capability 1999

Month/ Company	Plant	State	Generating Unit Number	Net Summer Capability ¹ (megawatts)	Energy Source	Unit Type Code
January						
Rockford City of	Rockford	IA	6	1.6	Petroleum	IC
Trinidad City of	Trinidad	CO	5,6,7	5.7	Petroleum	IC
Northwestern Wisconsin	Mobile Diesel	WI	1	.5	Petroleum	IC
Public Service Co of Colorado	Fort St Vrain	CO	3	128.0	Gas	CT
Total Capability of Newly Added						
Units	—	—	—	135.7	—	—
Total Capability of Retired Units	—	—	—	5.4	—	—
U.S. Total Capability	—	—	—	688,635.1	—	—

¹ Net summer capability is estimated.

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

Source: Energy Information Administration, Form EIA-860A, "Annual Electric Generator Report - Utility," and Form EIA-860B, "Annual Electric Generator Report - Nonutility."

Table 2. U.S. Electric Power Summary Statistics

Items	January 1999	December 1998	January 1998	Year To Date		
				1999	1998	Difference (percent)
Nonutility						
Net Generation (Million kWh) ¹	NA	NA	NA	NA	NA	NA
Coefficient of Variation (percent).....	NA	NA	NA	NA	NA	NA
Electric Utility						
Net Generation (Million kWh) ²						
Coal.....	155,639	152,166	156,658	155,639	156,658	-0.6
Petroleum ³	10,210	8,977	6,390	10,210	6,390	59.8
Gas.....	17,345	18,175	16,352	17,345	16,352	6.1
Nuclear Power.....	65,261	62,497	57,889	65,261	57,889	12.7
Hydroelectric (Pumped Storage) ⁴ ..	-548	4	-44	-548	-44	1139.5
Renewable						
Hydroelectric (Conventional).....	27,678	24,058	27,527	27,678	27,527	.5
Geothermal.....	414	451	491	414	491	-15.7
Biomass.....	164	204	172	164	172	-4.7
Wind.....	1	*	*	1	*	NA
Photovoltaic.....	*	*	*	*	*	NA
All Energy Sources	276,163	266,532	265,435	276,163	265,435	4.0
Consumption²						
Coal (1,000 short tons)	78,792	76,887	79,520	78,792	79,520	-9
Petroleum (1,000 barrels) ⁵	16,739	14,310	10,076	16,739	10,076	66.1
Gas (1,000 Mcf).....	178,906	188,557	171,149	178,906	171,149	4.5
Stocks (end-of-month)²						
Coal (1,000 short tons)	120,425	120,501	100,406	—	—	—
Petroleum (1,000 barrels) ⁶	52,759	53,790	49,499	—	—	—
Retail Sales (Million kWh)⁷						
Residential	110,691	92,123	101,982	110,691	101,982	8.5
Commercial.....	78,321	76,258	74,608	78,321	74,608	5.0
Industrial.....	82,535	87,157	82,546	82,535	82,546	*
Other ⁸	8,150	8,163	8,245	8,150	8,245	-1.1
All Sectors	279,696	263,702	267,381	279,696	267,381	4.6
Revenue (Million Dollars)⁷						
Residential	8,406	7,310	8,042	8,406	8,042	4.5
Commercial.....	5,434	5,435	5,399	5,434	5,399	.6
Industrial.....	3,528	3,764	3,622	3,528	3,622	-2.6
Other ⁸	543	560	539	543	539	.7
All Sectors	17,910	17,069	17,601	17,910	17,601	1.8
Average Revenue/kWh (Cents)⁷						
Residential	7.59	7.94	7.89	7.59	7.89	-3.7
Commercial.....	6.94	7.13	7.24	6.94	7.24	-4.1
Industrial.....	4.27	4.32	4.39	4.27	4.39	-2.6
Other ⁸	6.66	6.86	6.53	6.66	6.53	1.9
All Sectors	6.40	6.47	6.58	6.40	6.58	-2.7
	December 1998 ⁹	November 1998 ⁹	December 1997 ⁹	Year To Date		
				1998 ⁹	1997 ⁹	Difference (percent)
Receipts						
Coal (1,000 short tons).....	79,658	77,021	78,179	928,893	880,588	5.5
Petroleum (1,000 barrels) ¹⁰	13,599	11,179	11,750	165,099	117,789	40.2
Gas (1,000 Mcf).....	174,699	163,973	187,065	2,919,721	2,764,734	5.6
Cost (cents/million Btu)¹¹						
Coal.....	121.1	123.8	125.2	125.1	127.3	-1.7
Petroleum ¹²	183.5	204.9	273.3	213.6	288.0	-25.8
Gas ¹³	231.0	241.0	278.4	238.4	276.0	-13.6

See next page for footnotes.

- ¹ Values are estimates based on a cutoff sample; see Technical Notes for a discussion of the sample design for Form EIA-900.
- ² Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-759; 1998 estimates have been adjusted to reflect the Form EIA-759 census data and are final; see Technical Notes for adjustment methodology.
- ³ Includes petroleum coke.
- ⁴ Represents total pumped storage facility production minus energy used for pumping. Pumping energy used at pumped storage plants for January 1999 was 2,131 million kilowatthours.
- ⁵ The January 1999 petroleum coke consumption was 134,698 short tons.
- ⁶ The January 1999 petroleum coke stocks were 547,784 short tons.
- ⁷ Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826; values for 1998 have been revised and are preliminary. Retail revenue and retail average revenue per kilowatthour do not include taxes such as sales and excise taxes that are assessed on the consumer and collected through the utility. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
- ⁸ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.
- ⁹ Values are preliminary for 1998 and final for 1997.
- ¹⁰ The December 1998 petroleum coke receipts were 215,593 short tons.
- ¹¹ Average cost of fuel delivered to electric generating plants; cost values are weighted values.
- ¹² December 1998 petroleum coke cost was 72.3 cents per million Btu.
- ¹³ Includes small amounts of coke-oven, refinery, and blast-furnace gas.

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

NA = Data are not available.

NM = This value may not be applicable or the percent difference calculation is not meaningful.

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

Sources: •Energy Information Administration, Form EIA-759, "Monthly Power Plant Report"; Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions"; Form EIA-900, "Monthly Nonutility Power Plant Report"; Form EIA-861, "Annual Electric Utility Report." •Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Industry Developments

UtiliCorp United and St. Joseph Light & Power to Merge

UtiliCorp United Incorporated (UtiliCorp) and St. Joseph Light & Power Company (St. Joseph), both Missouri-based utilities, have agreed to merge in a transaction valued at \$190 million. According to UtiliCorp, the merger "strengthens our competitive position in our home state and in the Midwest." UtiliCorp has been pursuing a strategy of investments in regulated and unregulated energy businesses, both domestic and international. According to officials of both companies, St. Joseph will continue operations as a unit of UtiliCorp. The closing of the merger is expected sometime in 2000.¹

UtiliCorp, based in Kansas City, Missouri, serves more than three million customers in eight States and Canada, Australia, New Zealand, and the United Kingdom. It has \$6 billion in assets and annual sales of over \$12 billion. Its Missouri Public Service (MPS) unit has served west central Missouri since 1917. Currently, MPS has approximately 250,000 electric and gas customers. Services have been provided under the "EnergyOne" trademark since 1995. Electric plants operated by UtiliCorp include Green, Greenwood, and Nevada (gas turbine facilities), KEI (jet engine units), and Sibley (523-megawatt coal-fired plant located in Jackson, Missouri). Aquila Energy, a subsidiary of UtiliCorp, is the second largest volume wholesaler of natural gas and the third largest volume wholesaler of electricity in the United States.

St. Joseph serves approximately 66,000 customers over a 10-county area of northwest Missouri. Its primary generating facility is the multi-fueled 7-unit 273-megawatt Lake Road generating station located in Buchanan, Missouri.

Unicom Corporation to Sell Electric Plants to Edison Mission Energy

Unicom Corporation (Unicom), the parent company of Commonwealth Edison Company (ComEd), has agreed

to sell six coal-fired plants, the Collins Station oil-fired facility, and 9 peaking-unit sites to Edison Mission Energy (Edison Mission) for \$4.813 billion. According to the *Wall Street Journal*, book value of the plants is approximately \$1.7 billion.² ComEd had expected the sale of just the coal-fired assets to bring as much as \$3 billion, considerably more than their \$1.1 billion book value.³ Unicom stated that it will realize a gain of \$1.7 billion from the sale after taxes and satisfaction of sales-related obligations. This gain will be used to offset the cost of ComEd's nuclear-related assets that are currently valued at \$9 billion and, according to Unicom, will provide it with a "more competitive balance sheet."⁴ Unicom had also issued \$3.4 billion in securitized bonds in December, 1998. According to the *Wall Street Journal*, the divestiture of the fossil-fired plants and the sale of bonds will leave Unicom "in a position of having more cash on hand than its 1998 revenue of \$7 billion." Unicom stated that the sale will benefit Illinois consumers by bringing into the State a company the stature of Edison Mission. It also stated that a significant portion of the proceeds will be used to update the transmission and distribution system, thereby "providing our customers a first-class delivery system." Unicom also has plans to acquire transmission and distribution systems.

According to the agreement, ComEd will have access to the output from the plants for the next 5 years. The agreement also calls for incentives to encourage Edison Mission to increase the reliability of the plants. ComEd will continue to own and maintain its nuclear generating stations, which represent about one-half of its current generating capacity.

Included in the sale are 5,645 megawatts (MW) of coal-fired generating capacity at the following plants: Crawford (542 MW), Fisk (326 MW), Waukegan (789 MW), Joliet (1,358 MW), Will County (1,092 MW), Powerton (1,538 MW). Also included is the 2,698 MW oil- and gas-fired Collins Station, and peaking units with a combined capacity of 1,429 MW. Currently, ComEd provides electricity to 3.4 million customers located throughout northern Illinois.

¹ UtiliCorp United Inc., extracted from the Internet at <http://utilicorp.com> on March 23, 1999.

² K. Kranhold, "Unicom to Sell Power Plants to Edison For \$5 Billion, and Seeks Acquisitions," *The Wall Street Journal*, March 24, 1999.

³ J. Bailey, "Unicom to Sell Coal-Fired Power Plants to Raise Cash for Its Nuclear Network," *The Wall Street Journal* (July 7, 1998).

⁴ Unicom Corporation, extracted from the Internet at <http://www.ucm.com> on March 24, 1999.

Duquesne Light and First Energy Complete Asset Transfer Agreements

Duquesne Light Company (Duquesne) and First Energy Corporation (First Energy) have announced that they have completed previously announced agreements to swap generating assets. Once regulatory approvals are obtained, the transactions should be concluded by late 1999.

According to the agreements, First Energy—the holding company for Ohio Edison Company—The Illuminating Company, and Toledo Edison Company, will transfer ownership of three coal-fired plants to Duquesne. They include the 739-megawatt (MW) Avon lake plant (Ohio), the 338-MW New Castle Plant (Pennsylvania), and the 251-MW Niles Plant (Ohio). Combined, the plants have

a total generating capacity of 1,328 MW. Duquesne's part of the agreement calls for it to transfer to First Energy its 187-MW ownership of Unit 7 of the Sammis Plant (Ohio), 186-MW interest in Unit 5 of the East Lake Plant (Ohio), 401-MW interest in Units 1, 2, and 3 of the Bruce Mansfield Plant (Pennsylvania), 498 MW of interest in Units 1 and 2 of the Beaver Valley Nuclear Plant (Pennsylvania), and 164-MW ownership of the Perry Nuclear Plant located in Ohio.⁵

Duquesne intends to include Avon Lake, New Castle, and Niles in its previously announced auction of generating assets that is expected to begin in April, 1999. Proceeds from the sale of the plants will be used by Duquesne Light to offset stranded costs. First Energy will continue to operate the plants until they are transferred to the new owners.

⁵ Ohio Edison Company, extracted from the Internet at <http://www.ohioedison.com> on March 31, 1999.

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

Utility	Plant	State	Nameplate Capacity (megawatts)	Date ^a	Buyer
Commonwealth Edison Co IN Inc	State Line	IN	614	January 1998	Southern Energy
Fairbanks City of	Chena	AK	57	January 1998	Aurora Energy
Commonwealth Edison Co Inc	Kincaid	IL	1,319	February 1998	Dominion Energy
Southern California Edison Co	Long Beach	CA	587	March 1998	NRG/Destec Energy
Southern California Edison Co	Cool Water	CA	727	April 1998	Houston Industries
Southern California Edison Co	El Segundo	CA	997	April 1998	NRG/Destec Energy
Southern California Edison Co	Ellwood	CA	57	April 1998	Houston Industries
Southern California Edison Co	Etiwanda	CA	1,049	April 1998	Houston Industries
Southern California Edison Co	Highgrove	CA	169	April 1998	Thermo Electron
Southern California Edison Co	Mandalay	CA	573	April 1998	Houston Industries
Southern California Edison Co	San Bernardino	CA	131	April 1998	Thermo Electron
Boston Edison Co	Edgar	MA	18	May 1998	Sithe Energies
Boston Edison Co	Framingham	MA	43	May 1998	Sithe Energies
Boston Edison Co	L Street	MA	19	May 1998	Sithe Energies
Boston Edison Co	Mystic	MA	1,100	May 1998	Sithe Energies
Boston Edison Co	New Boston	MA	718	May 1998	Sithe Energies
Boston Edison Co	West Medway	MA	135	May 1998	Sithe Energies
Southern California Edison Co	Alamitos	CA	2,120	May 1998	AES Corp
Southern California Edison Co	Huntington Beach	CA	1,009	May 1998	AES Corp
Southern California Edison Co	Redondo Beach	CA	1,573	May 1998	AES Corp
Pacific Gas & Electric Co	Morro Bay	CA	1,056	July 1998	Duke Energy Corp
Pacific Gas & Electric Co	Moss Landing	CA	1,624	July 1998	Duke Energy Corp
Pacific Gas & Electric Co	Oakland	CA	201	July 1998	Duke Energy Corp
Sacramento Municipal Util Dist	SMUD GEO	CA	78	July 1998	Calpine Geysers Co.
Southern California Edison Co	Ormond Beach	CA	1,613	July 1998	Houston Industries
Big Rivers Electric Corp	K C Coleman	KY	521	August 1998	LG&E Energy ^b
Big Rivers Electric Corp	R D Green	KY	527	August 1998	LG&E Energy ^b
Big Rivers Electric Corp	HMP&L Station 2	KY	365	August 1998	LG&E Energy ^b
Big Rivers Electric Corp	R A Reid	KY	171	August 1998	LG&E Energy ^b
Big Rivers Electric Corp	D B Wilson	KY	510	August 1998	LG&E Energy ^b
New England Power Co	Comerford	NH	140	September 1998	U S Generating Co
New England Power Co	Mcindoes	NH	11	September 1998	U S Generating Co
New England Power Co	S C Moore	NH	140	September 1998	U S Generating Co
New England Power Co	Wilder	NH	37	September 1998	U S Generating Co
New England Power Co	Bellows Falls	VT	41	September 1998	U S Generating Co
New England Power Co	Harriman	VT	34	September 1998	U S Generating Co
New England Power Co	Searsburg	VT	4	September 1998	U S Generating Co
New England Power Co	Vernon	VT	24	September 1998	U S Generating Co
New England Power Co	Deerfield	MA	32	September 1998	U S Generating Co
New England Power Co	Sherman	MA	7	September 1998	U S Generating Co
New England Power Co	Brayton Point	MA	1,600	September 1998	U S Generating Co
New England Power Co	Salem Harbor	MA	805	September 1998	U S Generating Co
New England Power Co	Fife Brook	MA	11	September 1998	U S Generating Co
New England Power Co	Bear Swamp	MA	600	September 1998	U S Generating Co
New England Power Co	Manchester Street	RI	489	September 1998	U S Generating Co
Fitchburg Gas & Elec Light Co	Fitchburg	MA	28	September 1998	Fleet Leasing ^c
Cambridge Electric Light Co	Kendall Square	MA	114	December 1998	Southern Energy
Canal Electric Co	Canal	MA	1,164	December 1998	Southern Energy
Commonwealth Electric Co	Oak Bluff DSLS	MA	8	December 1998	Southern Energy
Commonwealth Electric Co	West Tisbury	MA	6	December 1998	Southern Energy

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

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

^cUnit returned to lessor.

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

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

U.S. Electric Utility Net Generation

Table 3. U.S. Electric Power Industry Net Generation, 1990 Through January 1999
(Million Kilowatthours)

Period	Electric Utilities								Nonutility Power Producers	Total Electric Power Industry
	Coal	Petroleum ¹	Gas ²	Nuclear	Hydro-electric	Geothermal	Other ³	Total		
1990.....	1,559,606	117,017	264,089	576,862	279,926	8,581	2,070	2,808,151	213,046	3,021,197
1991.....	1,551,167	111,463	264,172	612,565	275,519	8,087	2,050	2,825,023	243,503	3,068,526
1992.....	1,575,895	88,916	263,872	618,776	239,559	8,104	2,096	2,797,219	286,148	3,083,367
1993.....	1,639,151	99,539	258,915	610,291	265,063	7,571	1,994	2,882,525	314,399	3,196,924
1994.....	1,635,493	91,039	291,115	640,440	243,693	6,941	1,992	2,910,712	343,087	3,253,799
1995.....	1,652,914	60,844	307,306	673,402	293,653	4,745	1,664	2,994,529	363,308	3,357,837
1996.....	1,737,453	67,346	262,730	674,729	327,970	5,234	1,980	3,077,442	369,552	3,446,994
1997										
January.....	161,286	8,225	13,359	58,914	31,049	414	162	273,410	NA	NA
February.....	134,998	4,479	13,475	50,658	29,840	310	148	233,907	NA	NA
March.....	137,830	4,345	18,191	50,414	33,286	438	155	244,659	NA	NA
April.....	131,744	3,926	18,870	44,883	30,436	484	170	230,512	NA	NA
May.....	136,110	4,452	22,192	47,032	32,709	471	178	243,143	NA	NA
June.....	146,009	6,728	28,456	52,095	32,762	385	154	266,588	NA	NA
July.....	167,087	9,072	40,403	57,352	30,034	512	169	304,628	NA	NA
August.....	162,384	7,711	37,237	61,084	25,462	505	174	294,557	NA	NA
September.....	151,427	7,688	32,281	52,586	22,031	482	153	266,649	NA	NA
October.....	152,004	7,094	23,276	46,981	23,240	477	194	253,267	NA	NA
November.....	146,037	6,660	17,029	51,189	22,166	475	170	243,726	NA	NA
December.....	160,890	7,374	18,855	55,457	24,219	516	166	267,477	NA	NA
Total.....	1,787,806	77,753	283,625	628,644	337,233	5,469	1,993	3,122,522	371,918	3,494,441
1998										
January.....	156,658	6,390	16,352	57,889	27,482	491	172	265,435	NA	NA
February.....	136,465	5,686	12,879	50,999	28,776	390	145	235,340	NA	NA
March.....	144,487	8,682	18,787	53,711	30,252	487	169	256,575	NA	NA
April.....	132,282	6,817	18,479	47,503	26,889	320	168	232,457	NA	NA
May.....	145,357	9,534	27,238	51,496	30,981	288	182	265,077	NA	NA
June.....	157,403	12,140	35,055	55,732	30,216	354	130	291,029	NA	NA
July.....	172,895	13,611	42,186	61,499	26,708	448	173	317,521	NA	NA
August.....	172,348	13,042	42,837	60,369	23,282	483	177	312,538	NA	NA
September.....	155,068	10,539	36,120	57,206	19,621	474	171	279,198	NA	NA
October.....	144,436	7,339	23,927	57,429	17,537	523	188	251,380	NA	NA
November.....	137,915	7,401	17,187	57,372	18,595	466	152	239,089	NA	NA
December.....	152,166	8,977	18,175	62,497	24,062	451	205	266,532	NA	NA
Total.....	1,807,480	110,158	309,222	673,702	304,403	5,176	2,030	3,212,171	407,462	3,619,632
1999										
January.....	155,639	10,210	17,345	65,261	27,130	414	165	276,163	NA	NA
Total.....	155,639	10,210	17,345	65,261	27,130	414	165	276,163	NA	NA
Year to Date										
1999.....	155,639	10,210	17,345	65,261	27,130	414	165	276,163	NA	NA
1998.....	156,658	6,390	16,352	57,889	27,482	491	172	265,435	NA	NA
1997.....	161,286	8,225	13,359	58,914	31,049	414	162	273,410	NA	NA

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

² Includes supplemental gaseous fuel.

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

NA = Not available.

Notes: •Values for electric utilities for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for electric utilities for 1998 have been adjusted to reflect the Form EIA-759 census data and are final--see Technical Notes for adjustment methodology. Values for electric utilities for 1997 and prior years are final. •Values for nonutilities (Form EIA-867) for 1997 and prior years are final. •Value for 1998 is a preliminary estimate based on 1997 Form EIA-867 Data. •Totals may not equal sum of components because of independent rounding. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Period	All Nonrenewable Energy Sources	Coal ¹	Petroleum ²	Gas	Nuclear	Hydroelectric ³ (Pumped Storage)
1990.....	2,514,066	1,559,606	117,017	264,089	576,862	-3,508
1991.....	2,534,825	1,551,167	111,463	264,172	612,565	-4,541
1992.....	2,543,283	1,575,895	88,916	263,872	618,776	-4,177
1993.....	2,603,861	1,639,151	99,539	258,915	610,291	-4,036
1994.....	2,654,708	1,635,493	91,039	291,115	640,440	-3,378
1995.....	2,691,742	1,652,914	60,844	307,306	673,402	-2,725
1996.....	2,739,170	1,737,453	67,346	262,730	674,729	-3,088
1997						
January.....	241,278	161,286	8,225	13,359	58,914	-507
February.....	203,277	134,998	4,479	13,475	50,658	-333
March.....	210,563	137,830	4,345	18,191	50,414	-217
April.....	199,149	131,744	3,926	18,870	44,883	-274
May.....	209,766	136,110	4,452	22,192	47,032	-19
June.....	233,061	146,009	6,728	28,456	52,095	-227
July.....	273,640	167,087	9,072	40,403	57,352	-274
August.....	268,117	162,384	7,711	37,237	61,084	-298
September.....	243,611	151,427	7,688	32,281	52,586	-371
October.....	228,915	152,004	7,094	23,276	46,981	-441
November.....	220,380	146,037	6,660	17,029	51,189	-535
December.....	242,031	160,890	7,374	18,855	55,457	-544
Total.....	2,773,787	1,787,806	77,753	283,625	628,644	-4,041
1998						
January.....	237,245	156,658	6,390	16,352	57,889	-44
February.....	206,154	136,465	5,686	12,879	50,999	125
March.....	225,651	144,487	8,682	18,787	53,711	-15
April.....	204,644	132,282	6,817	18,479	47,503	-437
May.....	232,899	145,357	9,534	27,238	51,496	-727
June.....	259,654	157,403	12,140	35,055	55,732	-675
July.....	289,525	172,895	13,611	42,186	61,499	-666
August.....	287,893	172,348	13,042	42,837	60,369	-703
September.....	258,660	155,068	10,539	36,120	57,206	-272
October.....	232,630	144,436	7,339	23,927	57,429	-501
November.....	219,347	137,915	7,401	17,187	57,372	-528
December.....	241,819	152,166	8,977	18,175	62,497	4
Total.....	2,896,121	1,807,480	110,158	309,222	673,702	-4,441
1999						
January.....	247,906	155,639	10,210	17,345	65,261	-548
Total.....	247,906	155,639	10,210	17,345	65,261	-548
Year to Date						
1999.....	247,906	155,639	10,210	17,345	65,261	-548
1998.....	237,245	156,658	6,390	16,352	57,889	-44
1997.....	241,278	161,286	8,225	13,359	58,914	-507

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 January 1999 was 2,131 million kilowatthours.

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

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

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

Period	All Renewable Energy Sources	Hydroelectric (Conventional)	Geothermal	Biomass	Wind	Photovoltaic
1990.....	294,085,003	283,433,659	8,581,228	2,067,270	398	2,448
1991.....	290,197,798	280,060,621	8,087,055	2,046,499	285	3,338
1992.....	253,936,260	243,736,029	8,103,809	2,092,945	308	3,169
1993.....	278,663,780	269,098,329	7,570,999	1,990,407	243	3,802
1994.....	256,003,613	247,070,938	6,940,637	1,988,257	309	3,472
1995.....	302,786,828	296,377,840	4,744,804	1,649,178	11,097	3,909
1996.....	338,272,331	331,058,055	5,233,927	1,967,057	10,123	3,169
1997						
January.....	32,132,786	31,555,924	414,430	162,133	219	80
February.....	30,630,175	30,172,535	309,699	147,510	198	233
March.....	34,096,006	33,503,081	437,818	154,531	270	306
April.....	31,363,287	30,709,450	484,260	168,566	589	422
May.....	33,376,829	32,728,115	470,792	176,925	637	360
June.....	33,526,969	32,988,654	384,659	152,194	940	532
July.....	30,988,417	30,308,053	511,676	167,269	926	493
August.....	26,439,540	25,759,878	505,424	172,864	964	410
September.....	23,037,823	22,402,182	482,357	152,581	473	230
October.....	24,351,853	23,681,131	476,849	193,152	499	222
November.....	23,345,846	22,700,846	475,091	169,665	132	112
December.....	25,445,551	24,763,608	516,055	165,677	130	81
Total.....	348,735,082	341,273,447	5,469,110	1,983,067	5,977	3,481
1998						
January.....	28,189,793	27,526,636	491,305	171,791	17	44
February.....	29,186,508	28,651,686	390,181	144,599	8	34
March.....	30,923,604	30,267,686	486,607	169,055	6	250
April.....	27,813,755	27,325,728	320,413	167,252	84	278
May.....	32,178,489	31,708,073	288,494	181,593	140	189
June.....	31,374,829	30,891,590	353,625	128,893	386	335
July.....	27,995,724	27,374,620	448,490	171,673	535	406
August.....	24,644,552	23,985,386	482,641	175,748	412	365
September.....	20,537,720	19,893,032	474,013	169,950	465	260
October.....	18,749,908	18,038,240	523,350	187,838	292	188
November.....	19,741,577	19,123,266	466,333	151,700	177	101
December.....	24,713,293	24,057,811	450,828	204,151	435	68
Total.....	316,049,752	308,843,754	5,176,280	2,024,243	2,987	2,518
1999						
January.....	28,257,348	27,677,884	414,341	163,665	1,411	47
Total.....	28,257,348	27,677,884	414,341	163,665	1,411	47
Year to Date						
1999.....	28,257,348	27,677,884	414,341	163,665	1,411	47
1998.....	28,189,793	27,526,636	491,305	171,791	17	44
1997.....	32,132,786	31,555,924	414,430	162,133	219	80

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

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

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

NERC Region and Hawaii	January 1999	December 1998	January 1998	Year to Date		
				1999	1998	Difference (percent)
ECAR.....	47,848	44,537	46,612	47,848	46,612	2.7
ERCOT.....	17,247	17,775	16,739	17,247	16,739	3.0
MAAC.....	20,435	19,773	18,780	20,435	18,780	8.8
MAIN.....	20,048	19,943	17,579	20,048	17,579	14.0
MAPP (U.S.).....	14,950	14,630	14,900	14,950	14,900	.3
NPCC (U.S.).....	16,331	14,896	16,212	16,331	16,212	.7
SERC.....	53,372	50,346	52,426	53,372	52,426	1.8
FRCC.....	12,101	11,890	10,915	12,101	10,915	NM
SPP.....	25,035	24,506	23,883	25,035	23,883	4.8
WSCC (U.S.).....	47,859	47,272	46,366	47,859	46,366	3.2
Contiguous U.S.	275,225	265,568	264,412	275,225	264,412	4.1
ASCC.....	446	454	537	446	537	-16.9
Hawaii.....	493	510	486	493	486	1.3
U.S. Total.....	276,163	266,532	265,435	276,163	265,435	4.0

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

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

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date		
				1999	1998	Difference (percent)
New England	5,532	5,028	6,789	5,532	6,789	-18.5
Connecticut.....	1,911	1,390	1,314	1,911	1,314	45.5
Maine.....	422	289	278	422	278	51.7
Massachusetts.....	1,382	1,570	3,259	1,382	3,259	-57.6
New Hampshire.....	1,367	1,329	1,050	1,367	1,050	30.2
Rhode Island.....	1	1	346	1	346	-99.7
Vermont.....	448	449	543	448	543	-17.4
Middle Atlantic	30,130	28,483	27,162	30,130	27,162	10.9
New Jersey.....	3,508	3,239	2,548	3,508	2,548	37.7
New York.....	10,352	9,815	9,536	10,352	9,536	8.6
Pennsylvania.....	16,270	15,429	15,079	16,270	15,079	7.9
East North Central	46,997	45,589	45,573	46,997	45,573	3.1
Illinois.....	12,453	11,996	10,387	12,453	10,387	19.9
Indiana.....	9,974	9,638	9,479	9,974	9,479	5.2
Michigan.....	7,345	7,282	7,654	7,345	7,654	-4.0
Ohio.....	12,749	12,290	13,598	12,749	13,598	-6.2
Wisconsin.....	4,476	4,383	4,455	4,476	4,455	.5
West North Central	23,726	22,842	22,654	23,726	22,654	4.7
Iowa.....	3,423	3,179	3,051	3,423	3,051	12.2
Kansas.....	3,658	3,251	3,400	3,658	3,400	7.6
Minnesota.....	3,901	3,670	4,057	3,901	4,057	-3.8
Missouri.....	6,461	6,565	6,003	6,461	6,003	7.6
Nebraska.....	2,559	2,434	2,511	2,559	2,511	1.9
North Dakota.....	2,864	2,851	2,775	2,864	2,775	3.2
South Dakota.....	861	892	857	861	857	.4
South Atlantic	56,930	54,523	53,523	56,930	53,523	6.4
Delaware.....	572	379	320	572	320	78.7
District of Columbia.....	1	-1	-1	1	-1	NM
Florida.....	12,693	12,584	11,509	12,693	11,509	10.3
Georgia.....	8,431	8,132	8,009	8,431	8,009	5.3
Maryland.....	4,472	4,148	3,992	4,472	3,992	12.0
North Carolina.....	8,817	8,750	9,633	8,817	9,633	-8.5
South Carolina.....	7,711	7,087	6,980	7,711	6,980	10.5
Virginia.....	5,997	5,486	5,399	5,997	5,399	11.1
West Virginia.....	8,238	7,785	7,682	8,238	7,682	7.2
East South Central	28,946	26,129	28,293	28,946	28,293	2.3
Alabama.....	9,958	9,592	9,767	9,958	9,767	2.0
Kentucky.....	8,227	6,700	7,836	8,227	7,836	5.0
Mississippi.....	2,367	2,417	2,294	2,367	2,294	3.2
Tennessee.....	8,394	7,420	8,396	8,394	8,396	*
West South Central	34,114	34,608	32,891	34,114	32,891	3.7
Arkansas.....	3,331	3,726	3,550	3,331	3,550	-6.2
Louisiana.....	5,351	4,943	4,611	5,351	4,611	16.0
Oklahoma.....	3,919	3,821	4,004	3,919	4,004	-2.1
Texas.....	21,512	22,118	20,725	21,512	20,725	3.8
Mountain	25,608	26,628	25,103	25,608	25,103	2.0
Arizona.....	6,793	7,444	7,134	6,793	7,134	-4.8
Colorado.....	3,097	3,022	3,096	3,097	3,096	*
Idaho.....	1,199	882	914	1,199	914	31.3
Montana.....	2,459	2,557	2,237	2,459	2,237	9.9
Nevada.....	2,305	2,638	2,201	2,305	2,201	4.7
New Mexico.....	2,613	2,872	2,391	2,613	2,391	9.3
Utah.....	3,262	3,280	3,157	3,262	3,157	3.3
Wyoming.....	3,879	3,933	3,973	3,879	3,973	-2.4
Pacific Contiguous	23,251	21,912	22,427	23,251	22,427	3.7
California.....	7,604	8,678	8,938	7,604	8,938	-14.9
Oregon.....	5,196	4,408	4,389	5,196	4,389	18.4
Washington.....	10,451	8,826	9,101	10,451	9,101	14.8
Pacific Noncontiguous	930	963	1,020	930	1,020	-8.8
Alaska.....	444	454	535	444	535	-17.1
Hawaii.....	486	509	484	486	484	.4
U.S. Total	276,163	266,532	265,435	276,163	265,435	4.0

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

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

Notes: *Values for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1998 have been adjusted to reflect the Form EIA-759 census data and are final. *Totals may not equal sum of components because of independent rounding. *Percent difference is calculated before rounding. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date				
				Coal Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
New England	503	530	1,750	503	1,750	-71.2	9.1	25.8
Connecticut.....	—	33	240	—	240	NM	—	18.3
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	136	145	1,124	136	1,124	-87.9	9.8	34.5
New Hampshire.....	367	352	385	367	385	-4.6	26.9	36.7
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—
Middle Atlantic	11,885	11,544	11,593	11,885	11,593	2.5	39.4	42.7
New Jersey.....	539	604	470	539	470	14.7	15.4	18.4
New York.....	2,171	2,095	1,890	2,171	1,890	14.9	21.0	19.8
Pennsylvania.....	9,176	8,845	9,234	9,176	9,234	-6	56.4	61.2
East North Central	36,102	35,397	37,616	36,102	37,616	-4.0	76.8	82.5
Illinois.....	5,753	5,761	6,695	5,753	6,695	-14.1	46.2	64.5
Indiana.....	9,859	9,526	9,331	9,859	9,331	5.7	98.8	98.4
Michigan.....	5,768	6,025	6,082	5,768	6,082	-5.2	78.5	79.5
Ohio.....	11,146	10,644	12,002	11,146	12,002	-7.1	87.4	88.3
Wisconsin.....	3,576	3,441	3,506	3,576	3,506	2.0	79.9	78.7
West North Central	18,207	17,920	17,358	18,207	17,358	4.9	76.7	76.6
Iowa.....	2,939	2,775	2,566	2,939	2,566	14.5	85.8	84.1
Kansas.....	2,671	2,229	2,478	2,671	2,478	7.8	73.0	72.9
Minnesota.....	2,624	2,638	2,820	2,624	2,820	-7.0	67.3	69.5
Missouri.....	5,454	5,543	5,143	5,454	5,143	6.0	84.4	85.7
Nebraska.....	1,543	1,747	1,457	1,543	1,457	5.9	60.3	58.0
North Dakota.....	2,643	2,661	2,573	2,643	2,573	2.7	92.3	92.8
South Dakota.....	333	326	320	333	320	4.1	38.7	37.4
South Atlantic	31,975	30,631	31,283	31,975	31,283	2.2	56.2	58.4
Delaware.....	332	231	276	332	276	20.3	58.1	86.3
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	5,118	5,004	5,788	5,118	5,788	-11.6	40.3	50.3
Georgia.....	5,159	4,867	4,384	5,159	4,384	17.7	61.2	54.7
Maryland.....	2,707	2,581	2,389	2,707	2,389	13.3	60.5	59.8
North Carolina.....	4,939	4,957	5,531	4,939	5,531	-10.7	56.0	57.4
South Carolina.....	2,668	2,516	2,628	2,668	2,628	1.5	34.6	37.7
Virginia.....	2,862	2,722	2,674	2,862	2,674	7.0	47.7	49.5
West Virginia.....	8,189	7,754	7,612	8,189	7,612	7.6	99.4	99.1
East South Central	19,438	17,857	18,957	19,438	18,957	2.5	67.2	67.0
Alabama.....	5,695	6,477	5,460	5,695	5,460	4.3	57.2	55.9
Kentucky.....	7,874	6,418	7,601	7,874	7,601	3.6	95.7	97.0
Mississippi.....	923	769	949	923	949	-2.8	39.0	41.4
Tennessee.....	4,947	4,194	4,947	4,947	4,947	*	58.9	58.9
West South Central	18,144	17,776	18,701	18,144	18,701	-3.0	53.2	56.9
Arkansas.....	2,334	2,319	2,180	2,334	2,180	7.1	70.1	61.4
Louisiana.....	1,817	1,693	1,742	1,817	1,742	4.3	34.0	37.8
Oklahoma.....	2,673	2,135	2,895	2,673	2,895	-7.7	68.2	72.3
Texas.....	11,319	11,629	11,884	11,319	11,884	-4.8	52.6	57.3
Mountain	18,345	19,175	18,187	18,345	18,187	.9	71.6	72.4
Arizona.....	2,973	3,349	3,183	2,973	3,183	-6.6	43.8	44.6
Colorado.....	2,980	2,892	2,923	2,980	2,923	1.9	96.2	94.4
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1,449	1,575	1,415	1,449	1,415	2.4	58.9	63.2
Nevada.....	1,619	1,762	1,549	1,619	1,549	4.5	70.2	70.4
New Mexico.....	2,379	2,601	2,182	2,379	2,182	9.0	91.0	91.3
Utah.....	3,124	3,132	3,017	3,124	3,017	3.5	95.8	95.6
Wyoming.....	3,822	3,865	3,917	3,822	3,917	-2.4	98.5	98.6
Pacific Contiguous	1,023	1,321	1,185	1,023	1,185	-13.6	4.4	5.3
California.....	—	—	—	—	—	—	—	—
Oregon.....	358	383	334	358	334	7.2	6.9	7.6
Washington.....	666	939	851	666	851	-21.7	6.4	9.3
Pacific Noncontiguous	16	16	29	16	29	-45.0	1.7	2.8
Alaska.....	16	16	29	16	29	-45.0	3.6	5.4
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	155,639	152,166	156,658	155,639	156,658	-.7	56.4	59.0

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

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

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

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date				
				Petroleum Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
New England.....	2,249	2,184	2,602	2,249	2,602	-13.6	40.7	38.3
Connecticut.....	1,061	1,015	895	1,061	895	18.6	55.5	68.1
Maine.....	288	175	160	288	160	80.1	68.2	57.4
Massachusetts.....	NM	826	1,357	707	1,357	-47.9	51.1	41.6
New Hampshire.....	190	165	160	190	160	18.6	13.9	15.2
Rhode Island.....	1	1	1	1	1	52.1	100.0	.2
Vermont.....	NM	NM	NM	3	29	-91.1	.6	5.4
Middle Atlantic.....	2,253	1,831	933	2,253	933	141.4	7.5	3.4
New Jersey.....	34	12	6	34	6	507.5	1.0	.2
New York.....	1,951	1,572	817	1,951	817	138.9	18.8	8.6
Pennsylvania.....	268	248	111	268	111	142.0	1.6	.7
East North Central.....	284	149	157	284	157	80.8	.6	.3
Illinois.....	34	28	19	34	19	78.2	.3	.2
Indiana.....	43	46	96	43	96	-54.8	.4	1.0
Michigan.....	108	31	22	108	22	393.9	1.5	.3
Ohio.....	44	29	13	44	13	237.5	.3	.1
Wisconsin.....	55	15	7	55	7	629.1	1.2	.2
West North Central.....	131	108	93	131	93	40.9	.6	.4
Iowa.....	9	NM	NM	9	2	302.0	.3	.1
Kansas.....	21	20	NM	21	4	484.2	.6	.1
Minnesota.....	74	67	72	74	72	3.2	1.9	1.8
Missouri.....	18	13	8	18	8	138.2	.3	.1
Nebraska.....	2	1	1	2	1	30.5	.1	.1
North Dakota.....	2	3	6	2	6	-68.5	.1	.2
South Dakota.....	5	2	*	5	*	NM	.6	*
South Atlantic.....	3,733	3,330	1,506	3,733	1,506	147.8	6.6	2.8
Delaware.....	108	49	26	108	26	321.6	19.0	8.0
District of Columbia.....	1	-1	-1	1	-1	NM	100.0	100.0
Florida.....	2,757	2,878	1,400	2,757	1,400	96.9	21.7	12.2
Georgia.....	80	8	6	80	6	1298.2	1.0	.1
Maryland.....	279	205	35	279	35	702.0	6.2	.9
North Carolina.....	62	19	12	62	12	413.6	.7	.1
South Carolina.....	34	11	6	34	6	508.4	.4	.1
Virginia.....	395	148	4	395	4	8734.1	6.6	.1
West Virginia.....	16	13	18	16	18	-12.0	.2	.2
East South Central.....	826	540	383	826	383	115.5	2.9	1.4
Alabama.....	61	31	8	61	8	644.2	.6	.1
Kentucky.....	11	9	10	11	10	15.0	.1	.1
Mississippi.....	661	462	362	661	362	82.6	27.9	15.8
Tennessee.....	93	38	3	93	3	2827.4	1.1	*
West South Central.....	133	119	87	133	87	52.4	.4	.3
Arkansas.....	26	20	3	26	3	764.4	.8	.1
Louisiana.....	83	64	76	83	76	9.1	1.6	1.7
Oklahoma.....	*	2	*	*	*	NM	*	*
Texas.....	24	34	8	24	8	212.8	.1	*
Mountain.....	17	48	15	17	15	11.4	.1	.1
Arizona.....	4	5	3	4	3	24.1	.1	*
Colorado.....	NM	NM	NM	*	1	NM	*	*
Idaho.....	—	*	*	—	*	NM	*	*
Montana.....	2	1	2	2	2	-8	.1	.1
Nevada.....	3	28	2	3	2	54.2	.1	.1
New Mexico.....	3	2	1	3	1	127.4	.1	*
Utah.....	1	2	2	1	2	-34.6	*	.1
Wyoming.....	3	4	3	3	3	5.9	.1	.1
Pacific Contiguous.....	3	72	10	3	10	-68.8	*	*
California.....	NM	24	9	3	9	-67.3	*	.1
Oregon.....	*	24	1	*	1	NM	*	*
Washington.....	*	24	*	*	*	NM	*	*
Pacific Noncontiguous.....	583	596	604	583	604	-3.6	62.6	59.2
Alaska.....	97	NM	NM	97	120	-19.0	21.9	22.5
Hawaii.....	485	507	484	485	484	.3	99.7	99.9
U.S. Total.....	10,210	8,977	6,390	10,210	6,390	59.8	3.7	2.4

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

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

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

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date				
				Gas Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
New England.....	15	88	676	15	676	-97.8	0.3	10.0
Connecticut.....	3	11	110	3	110	-97.6	.1	8.4
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	12	77	221	12	221	-94.5	.9	6.8
New Hampshire.....	*	*	—	*	—	—	*	—
Rhode Island.....	—	—	345	—	345	—	—	99.8
Vermont.....	—	—	—	—	—	NM	—	—
Middle Atlantic.....	862	1,157	1,637	862	1,637	-47.3	2.9	6.0
New Jersey.....	95	70	40	95	40	135.7	2.7	1.6
New York.....	746	1,059	1,578	746	1,578	-52.7	7.2	16.6
Pennsylvania.....	22	28	18	22	18	18.7	.1	.1
East North Central.....	450	326	410	450	410	9.8	1.0	.9
Illinois.....	159	82	300	159	300	-47.0	1.3	2.9
Indiana.....	43	19	10	43	10	345.9	.4	.1
Michigan.....	184	148	61	184	61	200.5	2.5	.8
Ohio.....	24	22	7	24	7	227.5	.2	.1
Wisconsin.....	40	55	32	40	32	27.1	.9	.7
West North Central.....	174	195	70	174	70	147.5	.7	.3
Iowa.....	10	10	16	10	16	-37.5	.3	.5
Kansas.....	NM	115	NM	89	29	211.8	2.4	.8
Minnesota.....	21	NM	NM	21	8	178.4	.5	.2
Missouri.....	NM	42	11	43	11	295.1	.7	.2
Nebraska.....	3	8	3	3	3	-6.6	.1	.1
North Dakota.....	*	*	*	*	*	NM	*	*
South Dakota.....	8	13	4	8	4	80.6	.9	.5
South Atlantic.....	2,235	2,337	2,428	2,235	2,428	-8.0	3.9	4.5
Delaware.....	131	99	18	131	18	629.7	22.9	5.6
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	1,870	2,083	2,291	1,870	2,291	-18.4	14.7	19.9
Georgia.....	1	20	7	1	7	-80.8	*	.1
Maryland.....	43	47	15	43	15	191.2	1.0	.4
North Carolina.....	2	2	*	2	*	NM	*	*
South Carolina.....	1	2	1	1	1	-33.0	*	*
Virginia.....	183	81	93	183	93	96.4	3.1	1.7
West Virginia.....	3	2	2	3	2	29.8	*	*
East South Central.....	491	336	188	491	188	160.8	1.7	.7
Alabama.....	62	84	33	62	33	91.6	.6	.3
Kentucky.....	37	12	7	37	7	407.5	.5	.1
Mississippi.....	392	240	148	392	148	163.8	16.5	6.5
Tennessee.....	—	—	—	—	—	—	—	—
West South Central.....	9,768	10,004	7,112	9,768	7,112	37.3	28.6	21.6
Arkansas.....	52	33	19	52	19	169.8	1.6	.5
Louisiana.....	1,991	1,757	1,262	1,991	1,262	57.7	37.2	27.4
Oklahoma.....	1,061	1,327	619	1,061	619	71.3	27.1	15.5
Texas.....	6,664	6,887	5,211	6,664	5,211	27.9	31.0	25.1
Mountain.....	1,009	1,263	668	1,009	668	51.1	3.9	2.7
Arizona.....	223	341	76	223	76	191.7	3.3	1.1
Colorado.....	36	53	30	36	30	21.7	1.2	1.0
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	4	3	*	4	*	NM	.2	*
Nevada.....	491	557	361	491	361	35.9	21.3	16.4
New Mexico.....	231	270	191	231	191	20.7	8.8	8.0
Utah.....	NM	NM	NM	23	8	176.7	.7	.3
Wyoming.....	1	*	1	1	1	18.8	*	*
Pacific Contiguous.....	2,079	2,200	2,886	2,079	2,886	-28.0	8.9	12.9
California.....	1,890	1,775	2,643	1,890	2,643	-28.5	24.9	29.6
Oregon.....	186	369	199	186	199	-6.6	3.6	4.5
Washington.....	2	56	43	2	43	-94.5	*	.5
Pacific Noncontiguous.....	264	270	278	264	278	-5.0	28.4	27.2
Alaska.....	264	270	278	264	278	-5.0	59.4	51.9
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total.....	17,345	18,175	16,352	17,345	16,352	6.1	6.3	6.2

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

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

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

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date				
				Hydroelectric Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
New England	282	233	447	282	447	-37.0	5.1	6.6
Connecticut.....	44	20	49	44	49	-11.6	2.3	3.8
Maine.....	134	114	118	134	118	13.4	31.8	42.6
Massachusetts.....	33	33	66	33	66	-49.5	2.4	2.0
New Hampshire.....	30	27	116	30	116	-73.9	2.2	11.0
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	40	NM	98	40	98	-59.0	9.0	18.1
Middle Atlantic	1,844	2,037	2,628	1,844	2,628	-29.8	6.1	9.7
New Jersey.....	-12	-13	-12	-12	-12	NM	-3	-5
New York.....	1,751	2,039	2,401	1,751	2,401	-27.1	16.9	25.2
Pennsylvania.....	106	10	239	106	239	-55.7	.6	1.6
East North Central	156	204	286	156	286	-45.4	.3	.6
Illinois.....	2	5	5	2	5	-62.7	*	*
Indiana.....	30	47	43	30	43	-30.3	.3	.5
Michigan.....	27	16	74	27	74	-64.1	.4	1.0
Ohio.....	24	44	28	24	28	-16.3	.2	.2
Wisconsin.....	NM	92	136	74	136	-45.4	1.7	3.1
West North Central	1,045	1,144	1,139	1,045	1,139	-8.2	4.4	5.0
Iowa.....	75	75	70	75	70	7.1	2.2	2.3
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	47	77	NM	47	37	27.0	1.2	.9
Missouri.....	77	131	186	77	186	-58.6	1.2	3.1
Nebraska.....	113	123	118	113	118	-4.5	4.4	4.7
North Dakota.....	219	187	195	219	195	12.1	7.6	7.0
South Dakota.....	515	551	532	515	532	-3.4	59.8	62.1
South Atlantic	936	520	2,042	936	2,042	-54.2	1.6	3.8
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	20	15	15	20	15	28.7	.2	.1
Georgia.....	254	218	645	254	645	-60.7	3.0	8.1
Maryland.....	147	28	260	147	260	-43.6	3.3	6.5
North Carolina.....	309	188	509	309	509	-39.3	3.5	5.3
South Carolina.....	195	94	501	195	501	-61.1	2.5	7.2
Virginia.....	-19	-39	62	-19	62	NM	-3	1.1
West Virginia.....	30	16	50	30	50	-39.9	.4	.6
East South Central	2,412	1,586	2,551	2,412	2,551	-5.4	8.3	9.0
Alabama.....	1,242	708	1,456	1,242	1,456	-14.7	12.5	14.9
Kentucky.....	304	262	218	304	218	39.2	3.7	2.8
Mississippi.....	—	—	—	—	—	—	—	—
Tennessee.....	865	616	876	865	876	-1.2	10.3	10.4
West South Central	565	685	865	565	865	-34.8	1.7	2.6
Arkansas.....	269	238	219	269	219	22.4	8.1	6.2
Louisiana.....	—	—	—	—	—	—	—	—
Oklahoma.....	185	357	489	185	489	-62.2	4.7	12.2
Texas.....	111	90	157	111	157	-29.2	.5	.8
Mountain	3,415	3,318	3,407	3,415	3,407	.2	13.3	13.6
Arizona.....	784	939	1,060	784	1,060	-26.0	11.5	14.9
Colorado.....	80	70	142	80	142	-43.4	2.6	4.6
Idaho.....	1,199	882	914	1,199	914	31.3	100.0	100.0
Montana.....	1,004	978	820	1,004	820	22.4	40.8	36.7
Nevada.....	192	291	288	192	288	-33.3	8.3	13.1
New Mexico.....	1	—	17	1	17	-94.0	*	.7
Utah.....	101	93	NM	101	114	-11.2	3.1	3.6
Wyoming.....	53	65	52	53	52	.7	1.4	1.3
Pacific Contiguous	16,408	14,254	14,009	16,408	14,009	17.1	70.6	62.5
California.....	2,822	3,671	2,817	2,822	2,817	.2	37.1	31.5
Oregon.....	4,652	3,633	3,855	4,652	3,855	20.7	89.5	87.8
Washington.....	8,934	6,950	7,337	8,934	7,337	21.8	85.5	80.6
Pacific Noncontiguous	68	81	109	68	109	-37.5	7.3	10.7
Alaska.....	NM	NM	NM	67	108	-38.4	15.1	20.3
Hawaii.....	1	2	1	1	1	102.7	.3	.1
U.S. Total	27,130	24,062	27,482	27,130	27,482	-1.3	9.8	10.4

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

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

Notes: •Values for 1999 are estimates based on a cutoff model sample--see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Pumping energy used at pumped storage plants for January 1999 was 2,131 million kilowatthours. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date				
				Nuclear Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
New England	2,427	1,936	1,254	2,427	1,254	93.6	43.9	18.5
Connecticut.....	769	268	-12	769	-12	NM	40.2	-9
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	494	489	490	494	490	.8	35.8	15.0
New Hampshire.....	779	786	389	779	389	100.3	57.0	37.1
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	385	393	386	385	386	-.5	85.8	71.2
Middle Atlantic	13,285	11,914	10,371	13,285	10,371	28.1	44.1	38.2
New Jersey.....	2,854	2,566	2,044	2,854	2,044	39.6	81.3	80.3
New York.....	3,733	3,050	2,850	3,733	2,850	31.0	36.1	29.9
Pennsylvania.....	6,699	6,298	5,477	6,699	5,477	22.3	41.2	36.3
East North Central	9,978	9,475	7,069	9,978	7,069	41.2	21.2	15.5
Illinois.....	6,505	6,121	3,369	6,505	3,369	93.1	52.2	32.4
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	1,258	1,061	1,415	1,258	1,415	-11.1	17.1	18.5
Ohio.....	1,512	1,551	1,548	1,512	1,548	-2.3	11.9	11.4
Wisconsin.....	702	743	737	702	737	-4.7	15.7	16.5
West North Central	4,136	3,410	3,959	4,136	3,959	4.5	17.4	17.5
Iowa.....	389	315	396	389	396	-1.9	11.4	13.0
Kansas.....	877	887	890	877	890	-1.4	24.0	26.2
Minnesota.....	1,104	842	1,089	1,104	1,089	1.4	28.3	26.9
Missouri.....	869	810	653	869	653	33.1	13.4	10.9
Nebraska.....	897	556	931	897	931	-3.6	35.1	37.1
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic	18,053	17,533	16,264	18,053	16,264	11.0	31.7	30.4
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	2,928	2,605	2,014	2,928	2,014	45.4	23.1	17.5
Georgia.....	2,937	3,019	2,967	2,937	2,967	-1.0	34.8	37.0
Maryland.....	1,297	1,287	1,294	1,297	1,294	.2	29.0	32.4
North Carolina.....	3,504	3,584	3,581	3,504	3,581	-2.2	39.7	37.2
South Carolina.....	4,813	4,465	3,843	4,813	3,843	25.2	62.4	55.1
Virginia.....	2,575	2,574	2,565	2,575	2,565	.4	42.9	47.5
West Virginia.....	—	—	—	—	—	—	—	—
East South Central	5,779	5,809	6,214	5,779	6,214	-7.0	20.0	22.0
Alabama.....	2,898	2,292	2,810	2,898	2,810	3.1	29.1	28.8
Kentucky.....	—	—	—	—	—	—	—	—
Mississippi.....	392	946	834	392	834	-53.0	16.6	36.4
Tennessee.....	2,489	2,572	2,569	2,489	2,569	-3.1	29.7	30.6
West South Central	5,504	6,024	6,125	5,504	6,125	-10.1	16.1	18.6
Arkansas.....	651	1,115	1,129	651	1,129	-42.4	19.5	31.8
Louisiana.....	1,459	1,430	1,531	1,459	1,531	-4.7	27.3	33.2
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	3,394	3,478	3,465	3,394	3,465	-2.0	15.8	16.7
Mountain	2,810	2,810	2,811	2,810	2,811	*	11.0	11.2
Arizona.....	2,810	2,810	2,811	2,810	2,811	*	41.4	39.4
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—
Pacific Contiguous	3,289	3,585	3,823	3,289	3,823	-14.0	14.1	17.0
California.....	2,470	2,759	2,983	2,470	2,983	-17.2	32.5	33.4
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	819	826	840	819	840	-2.5	7.8	9.2
Pacific Noncontiguous	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	65,261	62,497	57,889	65,261	57,889	12.7	23.6	21.8

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

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

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

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date				
				Other Generation			Share of Total (percent)	
				1999	1998	Difference (percent)	1999	1998
New England.....	56	58	60	56	60	-7.1	1.0	0.9
Connecticut.....	35	43	31	35	31	12.0	1.8	2.4
Maine.....	*	—	—	*	—	NM	*	—
Massachusetts.....	—	—	—	—	—	—	—	—
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	21	15	29	21	29	-27.7	4.7	5.4
Middle Atlantic.....	*	—	*	*	*	NM	*	*
New Jersey.....	—	—	—	—	—	—	—	—
New York.....	*	—	*	*	*	NM	*	*
Pennsylvania.....	—	—	—	—	—	—	—	—
East North Central.....	28	37	36	28	36	-23.1	.1	.1
Illinois.....	—	—	—	—	—	—	—	—
Indiana.....	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	—	—	—	—	—
Ohio.....	—	—	—	—	—	—	—	—
Wisconsin.....	28	37	36	28	36	-23.1	.6	.8
West North Central.....	33	65	36	33	36	-7.4	.1	.2
Iowa.....	1	1	1	1	1	.6	*	*
Kansas.....	—	—	—	—	—	—	—	—
Minnesota.....	31	39	32	31	32	-1.4	.8	.8
Missouri.....	1	25	3	1	3	-69.0	*	.1
Nebraska.....	—	*	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic.....	—	—	—	—	—	—	—	—
Delaware.....	—	—	—	—	—	—	—	—
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	—	—	—	—	—	—	—	—
Georgia.....	—	—	—	—	—	—	—	—
Maryland.....	—	—	—	—	—	—	—	—
North Carolina.....	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—
Virginia.....	—	—	—	—	—	—	—	—
West Virginia.....	—	—	—	—	—	—	—	—
East South Central.....	—	—	—	—	—	—	—	—
Alabama.....	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	—	—	—	—	—
Tennessee.....	—	—	—	—	—	—	—	—
West South Central.....	*	*	*	*	*	NM	*	*
Arkansas.....	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—
Texas.....	*	*	*	*	*	NM	*	*
Mountain.....	13	14	16	13	16	-19.4	*	.1
Arizona.....	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—
Utah.....	13	14	16	13	16	-19.4	.4	.5
Wyoming.....	—	—	—	—	—	—	—	—
Pacific Contiguous.....	449	480	515	449	515	-12.7	1.9	2.3
California.....	419	449	485	419	485	-13.5	5.5	5.4
Oregon.....	—	—	—	—	—	—	—	—
Washington.....	30	31	30	30	30	1.2	.3	.3
Pacific Noncontiguous.....	—	*	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	*	—	—	—	—	—	—
U.S. Total.....	579	655	663	579	663	-12.6	.2	.2

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

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

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

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

U.S. Electric Utility Consumption of Fossil Fuels

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

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		
1989.....	1,049	688,504	77,335	766,888	25,491	241,960	267,451	517	2,787,012
1990.....	1,031	694,317	78,201	773,549	14,823	181,231	196,054	819	2,787,332
1991.....	994	691,275	79,999	772,268	13,729	171,157	184,886	722	2,789,014
1992.....	986	698,626	80,248	779,860	11,556	135,779	147,335	999	2,765,608
1993.....	951	732,736	79,821	813,508	13,168	149,287	162,454	1220	2,682,440
1994.....	1,123	737,102	79,045	817,270	16,338	134,666	151,004	875	2,987,146
1995.....	978	749,951	78,078	829,007	15,565	86,584	102,150	761	3,196,507
1996.....	1,009	795,252	78,421	874,681	16,892	96,382	113,274	681	2,732,107
1997									
January.....	97	74,109	7,082	81,288	1,708	11,944	13,652	56	139,036
February.....	86	61,786	6,204	68,076	861	6,282	7,143	55	143,185
March.....	89	63,573	5,728	69,389	852	6,050	6,902	35	189,590
April.....	93	60,372	4,831	65,296	1,060	5,121	6,181	103	193,416
May.....	72	62,201	6,129	68,402	967	6,124	7,091	135	231,548
June.....	75	67,036	6,852	73,963	1,397	9,707	11,104	144	297,424
July.....	91	77,514	7,122	84,727	2,605	12,502	15,107	144	429,286
August.....	82	75,403	7,146	82,631	1,372	10,808	12,180	160	391,090
September.....	85	69,710	6,537	76,332	1,053	11,005	12,058	161	332,781
October.....	88	69,729	6,415	76,232	1,118	10,237	11,354	140	244,394
November.....	67	66,904	6,392	73,362	1,053	9,647	10,700	135	179,723
December.....	89	73,486	7,086	80,661	1,110	10,564	11,674	132	196,980
Total.....	1,013	821,823	77,524	900,361	15,157	109,989	125,146	1400	2,968,453
1998									
January.....	84	72,384	7,051	79,520	1,062	9,014	10,076	156	171,149
February.....	75	63,061	5,960	69,097	831	8,185	9,016	122	133,757
March.....	84	65,942	5,791	71,817	1,215	12,707	13,921	125	194,258
April.....	75	61,064	5,335	66,474	994	9,688	10,682	141	190,201
May.....	83	66,544	6,240	72,867	2,046	13,363	15,409	146	290,368
June.....	74	72,397	6,545	79,016	3,183	16,802	19,984	167	378,607
July.....	70	79,798	7,321	87,189	3,448	19,254	22,702	176	449,354
August.....	58	79,823	7,183	87,064	3,189	18,754	21,943	165	456,960
September.....	52	71,635	6,391	78,078	2,670	14,621	17,292	156	381,075
October.....	74	66,548	6,785	73,407	1,005	10,627	11,632	144	246,171
November.....	75	63,204	6,173	69,452	1,019	10,628	11,647	141	177,596
December.....	61	69,695	7,131	76,887	1,380	12,930	14,310	130	188,557
Total.....	867	832,094	77,906	910,867	22,041	156,573	178,614	1769	3,258,054
1999									
January.....	58	71,891	6,842	78,792	2,411	14,327	16,739	130	178,906
Total.....	58	71,891	6,842	78,792	2,411	14,327	16,739	130	178,906
Year to Date									
1999.....	58	71,891	6,842	78,792	2,411	14,327	16,739	130	178,906
1998.....	84	72,384	7,051	79,520	1,062	9,014	10,076	156	171,149
1997.....	97	74,109	7,082	81,288	1,708	11,944	13,652	56	139,036

¹ Includes anthracite silt stored off-site.

² Includes subbituminous coal.

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

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

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

NERC Region and Hawaii	January 1999	December 1998	January 1998	Year to Date		
				1999	1998	Difference (percent)
ECAR.....	19,155	17,830	18,962	19,155	18,962	1.0
ERCOT.....	6,591	6,745	6,803	6,591	6,803	-3.1
MAAC.....	3,755	3,932	3,763	3,755	3,763	-2
MAIN.....	6,532	6,737	6,804	6,532	6,804	-4.0
MAPP (U.S.).....	7,594	7,813	7,585	7,594	7,585	.1
NPCC (U.S.).....	1,306	1,066	1,404	1,306	1,404	-7.0
SERC.....	12,653	12,045	12,690	12,653	12,690	-3
FRCC.....	1,875	1,783	2,173	1,875	2,173	NM
SPP.....	9,274	8,549	9,454	9,274	9,454	-1.9
WSCC (U.S.).....	10,043	10,374	9,854	10,043	9,854	1.9
Contiguous U.S.....	78,777	76,873	79,491	78,777	79,491	-9
ASCC.....	14	14	29	14	29	-51.2
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	78,792	76,887	79,520	78,792	79,520	-9

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

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

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

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

NERC Region and Hawaii	January 1999	December 1998	January 1998	Year to Date		
				1999	1998	Difference (percent)
ECAR.....	439	203	173	439	173	153.8
ERCOT.....	43	61	16	43	16	166.1
MAAC.....	1,228	945	274	1,228	274	348.0
MAIN.....	179	68	54	179	54	229.7
MAPP (U.S.).....	81	34	35	81	35	129.9
NPCC (U.S.).....	6,896	6,154	5,669	6,896	5,669	21.6
SERC.....	1,311	441	93	1,311	93	1307.8
FRCC.....	4,231	4,237	1,944	4,231	1,944	NM
SPP.....	1,264	895	728	1,264	728	73.5
WSCC (U.S.).....	37	239	48	37	48	-23.6
Contiguous U.S.....	15,709	13,277	9,035	15,709	9,035	73.9
ASCC.....	174	151	193	174	193	-9.7
Hawaii.....	855	882	847	855	847	.9
U.S. Total.....	16,739	14,310	10,076	16,739	10,076	66.1

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

Notes: •Values for 1999 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •See Glossary for explanation of acronyms. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	January 1999	December 1998	January 1998	Year to Date		
				1999	1998	Difference (percent)
ECAR.....	4,879	4,231	3,588	4,879	3,588	36.0
ERCOT.....	50,522	54,825	42,927	50,522	42,927	17.7
MAAC.....	2,806	2,547	1,182	2,806	1,182	137.3
MAIN.....	3,023	2,190	4,295	3,023	4,295	-29.6
MAPP (U.S.).....	887	647	605	887	605	46.7
NPCC (U.S.).....	8,249	11,764	22,790	8,249	22,790	-63.8
SERC.....	5,993	5,438	4,431	5,993	4,431	35.3
FRCC.....	15,348	17,655	19,072	15,348	19,072	NM
SPP.....	52,956	51,364	32,668	52,956	32,668	62.1
WSCC (U.S.).....	31,508	34,937	36,728	31,508	36,728	-14.2
Contiguous U.S.	176,171	185,599	168,286	176,171	168,286	4.7
ASCC.....	2,735	2,959	2,863	2,735	2,863	-4.5
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	178,906	188,557	171,149	178,906	171,149	4.5

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

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

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date		
				1999	1998	Difference (percent)
New England	203	210	690	203	690	-70.6
Connecticut.....	—	13	94	—	94	NM
Maine.....	—	—	—	—	—	—
Massachusetts.....	56	55	438	56	438	-87.2
New Hampshire.....	147	142	159	147	159	-7.5
Rhode Island.....	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—
Middle Atlantic	4,793	4,634	4,687	4,793	4,687	2.2
New Jersey.....	208	242	205	208	205	1.7
New York.....	884	830	765	884	765	15.5
Pennsylvania.....	3,701	3,562	3,718	3,701	3,718	-5
East North Central	17,602	17,286	18,317	17,602	18,317	-3.9
Illinois.....	3,153	3,141	3,588	3,153	3,588	-12.1
Indiana.....	4,808	4,716	4,594	4,808	4,594	4.7
Michigan.....	2,767	2,945	2,994	2,767	2,994	-7.6
Ohio.....	4,787	4,473	5,094	4,787	5,094	-6.0
Wisconsin.....	2,087	2,012	2,048	2,087	2,048	1.9
West North Central	11,768	11,589	11,261	11,768	11,261	4.5
Iowa.....	1,842	1,733	1,618	1,842	1,618	13.8
Kansas.....	1,678	1,404	1,588	1,678	1,588	5.7
Minnesota.....	1,560	1,567	1,666	1,560	1,666	-6.4
Missouri.....	3,255	3,305	3,025	3,255	3,025	7.6
Nebraska.....	968	1,079	933	968	933	3.8
North Dakota.....	2,264	2,313	2,237	2,264	2,237	1.2
South Dakota.....	201	190	193	201	193	4.1
South Atlantic	12,753	12,155	12,807	12,753	12,807	-4
Delaware.....	147	105	118	147	118	24.6
District of Columbia.....	—	—	—	—	—	—
Florida.....	2,148	2,080	2,438	2,148	2,438	-11.9
Georgia.....	2,123	2,121	2,120	2,123	2,120	.2
Maryland.....	1,017	939	933	1,017	933	9.0
North Carolina.....	1,904	1,913	2,138	1,904	2,138	-10.9
South Carolina.....	1,053	890	1,071	1,053	1,071	-1.7
Virginia.....	1,108	1,043	1,043	1,108	1,043	6.2
West Virginia.....	3,253	3,066	2,946	3,253	2,946	10.4
East South Central	8,726	7,667	8,304	8,726	8,304	5.1
Alabama.....	2,533	2,808	2,441	2,533	2,441	3.8
Kentucky.....	3,685	2,771	3,290	3,685	3,290	12.0
Mississippi.....	454	332	480	454	480	-5.5
Tennessee.....	2,055	1,756	2,093	2,055	2,093	-1.8
West South Central	12,344	12,216	12,849	12,344	12,849	-3.9
Arkansas.....	1,388	1,386	1,336	1,388	1,336	3.9
Louisiana.....	1,219	1,150	1,173	1,219	1,173	3.9
Oklahoma.....	1,615	1,310	1,782	1,615	1,782	-9.4
Texas.....	8,122	8,370	8,558	8,122	8,558	-5.1
Mountain	9,946	10,267	9,856	9,946	9,856	.9
Arizona.....	1,509	1,695	1,577	1,509	1,577	-4.3
Colorado.....	1,607	1,561	1,575	1,607	1,575	2.1
Idaho.....	—	—	—	—	—	—
Montana.....	933	1,038	901	933	901	3.6
Nevada.....	742	797	709	742	709	4.7
New Mexico.....	1,369	1,478	1,270	1,369	1,270	7.8
Utah.....	1,403	1,305	1,363	1,403	1,363	2.9
Wyoming.....	2,382	2,393	2,461	2,382	2,461	-3.2
Pacific Contiguous	643	848	720	643	720	-10.7
California.....	—	—	—	—	—	—
Oregon.....	209	233	150	209	150	39.0
Washington.....	434	615	570	434	570	-23.8
Pacific Noncontiguous	14	14	29	14	29	-51.2
Alaska.....	14	14	29	14	29	-51.2
Hawaii.....	—	—	—	—	—	—
U.S. Total	78,792	76,887	79,520	78,792	79,520	-9

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

Notes: •Values for 1999 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date		
				1999	1998	Difference (percent)
New England	3,621	3,537	4,294	3,621	4,294	-15.7
Connecticut.....	1,798	1,700	1,533	1,798	1,533	17.3
Maine.....	493	295	257	493	257	91.7
Massachusetts.....	NM	1,265	2,157	992	2,157	-54.0
New Hampshire.....	328	271	270	328	270	21.8
Rhode Island.....	2	2	2	2	2	4.3
Vermont.....	NM	NM	NM	8	75	-89.7
Middle Atlantic	3,812	3,104	1,518	3,812	1,518	151.2
New Jersey.....	87	37	22	87	22	301.3
New York.....	3,307	2,618	1,378	3,307	1,378	140.0
Pennsylvania.....	417	449	118	417	118	253.5
East North Central	565	228	168	565	168	235.7
Illinois.....	71	57	38	71	38	84.8
Indiana.....	59	35	36	59	36	65.6
Michigan.....	226	68	61	226	61	272.7
Ohio.....	100	55	25	100	25	302.2
Wisconsin.....	109	13	9	109	9	1117.0
West North Central	146	94	56	146	56	160.6
Iowa.....	26	6	NM	26	8	249.1
Kansas.....	47	39	NM	47	10	389.5
Minnesota.....	10	8	6	10	6	58.9
Missouri.....	45	29	17	45	17	163.1
Nebraska.....	5	3	3	5	3	40.6
North Dakota.....	4	5	11	4	11	-66.2
South Dakota.....	10	4	2	10	2	561.1
South Atlantic	5,998	5,035	2,178	5,998	2,178	175.4
Delaware.....	196	87	50	196	50	294.3
District of Columbia.....	6	1	2	6	2	163.9
Florida.....	4,217	4,237	1,944	4,217	1,944	116.9
Georgia.....	173	19	14	173	14	1166.3
Maryland.....	526	376	85	526	85	517.3
North Carolina.....	129	37	28	129	28	366.7
South Carolina.....	79	22	15	79	15	428.3
Virginia.....	646	234	9	646	9	6761.2
West Virginia.....	27	22	31	27	31	-12.5
East South Central	1,296	850	638	1,296	638	103.1
Alabama.....	107	57	15	107	15	628.5
Kentucky.....	23	19	22	23	22	3.4
Mississippi.....	998	707	596	998	596	67.4
Tennessee.....	169	66	6	169	6	2803.2
West South Central	232	190	133	232	133	74.2
Arkansas.....	44	32	5	44	5	721.9
Louisiana.....	141	89	110	141	110	27.5
Oklahoma.....	*	4	1	*	1	NM
Texas.....	46	65	17	46	17	178.3
Mountain	33	95	30	33	30	9.7
Arizona.....	6	9	5	6	5	20.5
Colorado.....	2	14	4	2	4	-57.5
Idaho.....	—	*	*	—	*	NM
Montana.....	5	1	5	5	5	-13.8
Nevada.....	7	57	4	7	4	72.7
New Mexico.....	5	4	2	5	2	116.5
Utah.....	NM	4	4	3	4	-35.7
Wyoming.....	7	7	6	7	6	10.3
Pacific Contiguous	7	144	20	7	20	-65.4
California.....	7	53	18	7	18	-62.9
Oregon.....	*	38	1	*	1	NM
Washington.....	*	53	1	*	1	NM
Pacific Noncontiguous	1,027	1,033	1,039	1,027	1,039	-1.2
Alaska.....	174	NM	NM	174	193	-9.8
Hawaii.....	853	882	846	853	846	.8
U.S. Total	16,739	14,310	10,076	16,739	10,076	66.1

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

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

Notes: •Values for 1999 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •The January 1999 petroleum coke consumption was 130.3 short tons. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	January 1999	December 1998	January 1998	Year to Date		
				1999	1998	Difference (percent)
New England.....	186	852	6,047	186	6,047	-96.9
Connecticut.....	29	123	1,135	29	1,135	-97.5
Maine.....	—	—	—	—	—	—
Massachusetts.....	120	725	2,235	120	2,235	-94.6
New Hampshire.....	32	*	—	32	—	—
Rhode Island.....	—	—	2,612	—	2,612	—
Vermont.....	5	4	65	5	65	-92.1
Middle Atlantic.....	9,326	12,060	17,476	9,326	17,476	-46.6
New Jersey.....	1,022	792	528	1,022	528	93.7
New York.....	8,043	10,911	16,724	8,043	16,724	-51.9
Pennsylvania.....	261	357	225	261	225	15.8
East North Central.....	7,397	6,236	7,841	7,397	7,841	-5.7
Illinois.....	2,471	1,469	3,977	2,471	3,977	-37.9
Indiana.....	517	237	115	517	115	350.5
Michigan.....	3,547	3,449	3,218	3,547	3,218	10.2
Ohio.....	312	351	114	312	114	174.1
Wisconsin.....	550	730	418	550	418	31.8
West North Central.....	2,330	2,751	1,130	2,330	1,130	106.2
Iowa.....	NM	144	255	145	255	-43.1
Kansas.....	NM	1,679	NM	1,184	521	127.3
Minnesota.....	NM	120	118	294	118	149.2
Missouri.....	NM	515	137	542	137	296.1
Nebraska.....	40	106	36	40	36	11.1
North Dakota.....	—	—	—	—	—	NM
South Dakota.....	125	189	63	125	63	96.4
South Atlantic.....	18,757	20,196	20,538	18,757	20,538	-8.7
Delaware.....	1,132	911	255	1,132	255	343.1
District of Columbia.....	—	—	—	—	—	—
Florida.....	15,425	17,667	19,071	15,425	19,071	-19.1
Georgia.....	16	259	102	16	102	-84.8
Maryland.....	444	499	191	444	191	132.0
North Carolina.....	34	36	11	34	11	204.6
South Carolina.....	14	42	33	14	33	-56.9
Virginia.....	1,666	757	852	1,666	852	95.5
West Virginia.....	27	25	21	27	21	26.0
East South Central.....	6,748	5,050	3,538	6,748	3,538	90.7
Alabama.....	561	789	362	561	362	55.1
Kentucky.....	438	136	86	438	86	408.1
Mississippi.....	5,749	4,126	3,090	5,749	3,090	86.1
Tennessee.....	—	—	—	—	—	—
West South Central.....	99,505	103,643	76,042	99,505	76,042	30.9
Arkansas.....	NM	NM	NM	564	286	97.1
Louisiana.....	21,497	18,345	15,161	21,497	15,161	41.8
Oklahoma.....	10,590	13,066	6,427	10,590	6,427	64.8
Texas.....	66,853	71,865	54,167	66,853	54,167	23.4
Mountain.....	10,299	13,427	6,969	10,299	6,969	47.8
Arizona.....	2,424	3,738	961	2,424	961	152.3
Colorado.....	438	918	377	438	377	16.1
Idaho.....	—	—	—	—	—	—
Montana.....	53	36	1	53	1	8990.3
Nevada.....	4,579	5,362	3,532	4,579	3,532	29.6
New Mexico.....	2,465	2,876	1,917	2,465	1,917	28.6
Utah.....	NM	NM	NM	331	174	90.5
Wyoming.....	9	5	7	9	7	20.9
Pacific Contiguous.....	21,625	21,384	28,706	21,625	28,706	-24.7
California.....	20,064	17,740	26,743	20,064	26,743	-25.0
Oregon.....	1,533	3,009	1,470	1,533	1,470	4.2
Washington.....	28	635	492	28	492	-94.2
Pacific Noncontiguous.....	2,733	2,957	2,862	2,733	2,862	-4.5
Alaska.....	2,733	2,957	2,862	2,733	2,862	-4.5
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	178,906	188,557	171,149	178,906	171,149	4.5

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

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

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

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

Fossil-Fuel Stocks at U.S. Electric Utilities

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

Period	Coal (thousand short tons)				Petroleum (thousand barrels)			Petroleum Coke (thousand short tons)
	Anthracite ¹	Bituminous ²	Lignite	Total	Light	Heavy	Total	
1989	6,403	122,967	6,490	135,860	13,824	47,446	61,270	105
1990	6,499	142,650	7,016	156,166	16,471	67,030	83,501	94
1991	6,513	145,367	5,996	157,876	16,357	58,636	74,993	70
1992	6,215	142,156	5,759	154,130	15,714	56,135	71,849	67
1993	5,639	98,560	7,142	111,341	15,674	46,769	62,443	89
1994	4,879	115,325	6,693	126,897	16,644	46,342	62,986	69
1995	4,325	116,749	5,231	126,304	15,392	35,102	50,495	65
1996	3,687	105,807	5,129	114,623	15,216	32,473	47,690	91
1997								
January	3,609	98,043	4,969	106,621	14,766	29,742	44,508	136
February	3,544	98,878	5,391	107,813	14,901	31,372	46,273	159
March	3,479	104,650	5,599	113,727	15,226	31,425	46,651	177
April	3,417	109,124	5,723	118,263	14,625	32,534	47,158	221
May	3,374	114,257	5,760	123,391	14,685	33,213	47,898	253
June	3,323	111,761	5,704	120,787	14,824	32,129	46,953	229
July	3,275	100,691	5,725	109,690	14,820	30,990	45,810	308
August	3,228	94,896	5,599	103,724	14,823	30,872	45,694	293
September	3,166	93,456	5,496	102,119	14,832	29,064	43,896	308
October	3,118	93,309	6,009	102,436	15,049	30,115	45,163	439
November	3,075	92,566	5,093	100,735	15,214	32,255	47,469	450
December	3,021	90,905	4,900	98,826	15,456	33,336	48,792	469
1998								
January	2,958	92,429	5,019	100,406	15,627	33,871	49,499	403
February	2,906	95,997	4,890	103,793	15,953	33,872	49,824	358
March	2,846	100,323	4,933	108,101	15,481	31,180	46,661	418
April	2,803	108,318	5,110	116,231	16,029	35,021	51,050	498
May	2,743	111,851	5,342	119,936	14,802	32,911	47,713	501
June	2,699	110,185	4,874	117,758	14,559	30,036	44,594	683
July	2,672	102,183	4,685	109,540	15,220	31,638	46,858	577
August	2,655	96,280	4,786	103,720	15,118	32,605	47,723	623
September	2,640	97,002	4,911	104,552	14,793	31,258	46,052	562
October	2,596	102,923	4,502	110,021	15,881	35,409	51,290	588
November	2,542	110,267	4,417	117,225	16,162	37,059	53,221	602
December	2,503	113,626	4,373	120,501	16,343	37,447	53,790	559
1999								
January	W	113,914	W	120,425	16,288	36,470	52,759	548

¹ Anthracite includes anthracite silt stored off-site.

² Bituminous coal includes subbituminous coal.

W = Withheld to avoid disclosure of individual company data.

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

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

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

NERC Region and Hawaii	January 1999	December 1998	January 1998	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	29,173	30,691	26,527	-4.9	10.0
ERCOT.....	6,074	5,707	4,764	6.4	27.5
MAAC.....	7,607	8,415	8,245	-9.6	-7.7
MAIN.....	14,094	13,864	11,257	1.7	25.2
MAPP (U.S.).....	10,941	11,484	8,986	-4.7	21.8
NPCC (U.S.).....	1,632	1,703	1,476	-4.1	10.6
SERC.....	19,503	18,823	15,042	3.6	29.7
FRCC.....	4,593	4,319	3,388	6.4	NM
SPP.....	15,718	14,749	11,355	6.6	38.4
WSCC (U.S.).....	11,091	10,747	9,365	3.2	18.4
Contiguous U.S.	120,425	120,501	100,406	-1	19.9
ASCC.....	—	—	1	NM	NM
Hawaii.....	—	—	—	—	—
U.S. Total.....	120,425	120,501	100,406	-1	19.9

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

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

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

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

NERC Region and Hawaii	January 1999	December 1998	January 1998	Monthly Difference (percent)	Yearly Difference (percent)
ECAR.....	2,309	2,536	1,724	-9.0	33.9
ERCOT.....	4,240	4,335	4,355	-2.2	-2.6
MAAC.....	6,876	6,938	5,807	-9	18.4
MAIN.....	1,613	1,519	1,314	6.2	22.7
MAPP (U.S.).....	W	927	783	W	W
NPCC (U.S.).....	11,674	11,382	11,948	2.6	-2.3
SERC.....	5,048	4,607	3,389	9.6	49.0
FRCC.....	9,283	9,386	7,720	-1.1	NM
SPP.....	5,101	5,463	4,492	-6.6	13.6
WSCC (U.S.).....	4,486	5,568	6,736	-19.4	-33.4
Contiguous U.S.	51,573	52,662	48,268	-2.1	6.8
ASCC.....	172	243	233	-29.5	-26.4
Hawaii.....	W	885	998	W	W
U.S. Total.....	52,759	53,790	49,499	-1.9	6.6

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

W = Withheld to avoid disclosure of individual company data.

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

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

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

Census Division	January 1999	December 1998	January 1998	Monthly Difference (percent)	Yearly Difference (percent)
New England.....	W	575	689	W	W
Middle Atlantic.....	9,660	10,232	9,100	-5.6	6.2
East North Central.....	31,974	34,128	27,400	-6.3	16.7
West North Central.....	18,167	17,961	14,130	1.1	28.6
South Atlantic.....	21,758	20,938	17,833	3.9	22.0
East South Central.....	11,236	10,808	9,644	4.0	16.5
West South Central.....	15,368	14,396	11,709	6.8	31.3
Mountain.....	10,555	10,404	9,172	1.5	15.1
Pacific Contiguous.....	W	1,060	729	W	W
Pacific Noncontiguous.....	—	—	1	NM	NM
U.S. Total.....	120,425	120,501	100,406	-1	19.9

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

W = Withheld to avoid disclosure of individual company data.

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

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

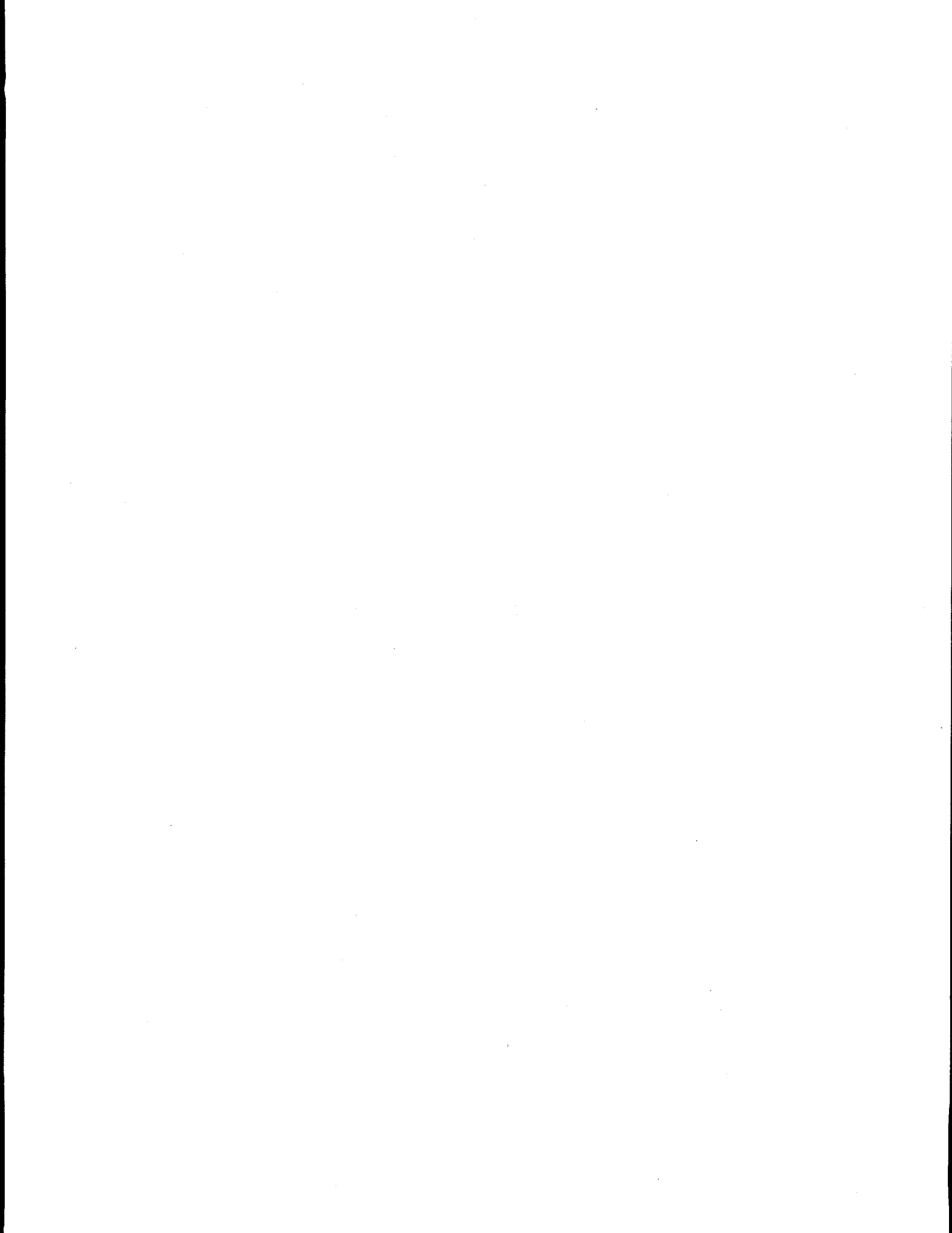
Table 25. Electric Utility Stocks of Petroleum by Census Division and State
(Thousand Barrels)

Census Division	January 1999	December 1998	January 1998	Monthly Difference (percent)	Yearly Difference (percent)
New England.....	2,864	3,555	4,519	-19.5	-36.6
Middle Atlantic.....	12,415	12,356	10,677	.5	16.3
East North Central.....	3,609	3,625	2,728	-.5	32.3
West North Central.....	1,949	2,002	1,584	-2.7	23.0
South Atlantic.....	16,394	15,559	13,107	5.4	25.1
East South Central.....	2,759	2,946	2,287	-6.3	20.6
West South Central.....	7,044	7,087	6,670	-.6	5.6
Mountain.....	966	939	978	2.8	-1.2
Pacific Contiguous.....	3,554	4,592	5,719	-22.6	-37.8
Pacific Noncontiguous.....	1,205	1,128	1,231	6.8	-2.1
U.S. Total.....	52,759	53,790	49,499	-1.9	6.6

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

Notes: •Values for 1999 are estimates based on a cutoff model sample—see Technical Notes for a discussion of the sample design for the Form EIA-759. Values for 1998 have been adjusted to reflect the Form EIA-759 census data and are final. •Totals may not equal sum of components because of independent rounding. •Percent difference is calculated before rounding. •Data do not include petroleum coke. •The January 1999 petroleum coke stocks were 38547.7 short tons. •Stocks are end-of-month stocks at electric utilities. Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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



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

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

Period	Coal ¹		Petroleum				Gas		All Fossil Fuels ²
	Receipts (thousand short tons)	Cost (cents/ 10 ⁶ Btu)	Heavy Oil ³		Total		Receipts (thousand Mcf)	Cost (cents/ 10 ⁶ Btu)	Cost (cents/ 10 ⁶ Btu)
			Receipts (thousand barrels)	Cost (cents/ 10 ⁶ Btu)	Receipts (thousand barrels)	Cost (cents/ 10 ⁶ Btu)			
1988.....	727,775	146.6	230,234	240.5	236,924	243.9	2,362,721	226.3	164.3
1989.....	753,217	144.5	237,668	284.6	246,422	289.3	2,472,506	235.5	167.5
1990.....	786,627	145.5	202,281	331.9	209,350	338.4	2,490,979	232.1	168.9
1991.....	769,923	144.7	163,106	246.5	169,625	254.8	2,630,818	215.3	160.3
1992.....	775,963	141.2	138,537	247.5	144,390	255.1	2,637,678	232.8	159.0
1993.....	769,152	138.5	141,719	236.2	147,902	243.3	2,574,523	256.0	159.5
1994.....	831,929	135.5	135,184	240.9	142,940	248.8	2,863,904	223.0	152.6
1995.....	826,860	131.8	78,216	258.6	84,292	267.9	3,023,327	198.4	145.3
1996.....									
January.....	67,852	129.1	13,855	332.4	14,540	337.1	155,022	281.0	155.5
February.....	66,620	129.3	6,099	282.5	7,021	300.6	131,688	294.7	148.5
March.....	69,921	130.2	9,031	285.2	9,595	296.8	149,233	268.4	149.0
April.....	70,361	130.8	8,263	309.7	8,724	319.0	160,918	264.6	150.0
May.....	72,158	130.7	5,882	304.4	6,437	317.6	251,461	247.6	151.8
June.....	69,677	129.2	8,825	277.0	9,508	288.2	285,271	255.1	155.1
July.....	75,178	127.8	10,793	276.6	11,380	284.4	346,295	263.9	158.2
August.....	78,545	127.7	10,484	282.5	10,971	290.6	346,542	250.7	154.6
September.....	72,730	127.5	5,538	293.6	5,926	307.1	269,988	219.1	145.3
October.....	75,756	128.9	5,675	331.9	6,407	354.7	217,115	233.8	146.6
November.....	71,375	127.9	6,382	333.3	7,159	354.4	162,258	301.9	151.0
December.....	72,525	127.6	8,098	338.1	8,961	355.2	128,870	393.1	156.1
Total.....	862,701	128.9	98,926	303.4	106,629	315.7	2,604,663	264.1	151.9
1997 ⁴									
January.....	71,929	128.0	8,817	305.7	9,658	321.0	133,720	407.7	157.7
February.....	69,229	129.1	8,959	287.5	9,346	295.3	134,664	311.8	150.6
March.....	72,369	130.0	6,796	267.1	7,157	276.2	185,340	236.0	145.5
April.....	69,815	129.6	6,379	254.9	6,730	264.8	184,908	230.5	144.3
May.....	74,929	128.0	6,476	257.9	6,966	271.2	225,841	247.0	146.6
June.....	70,479	127.9	9,253	262.9	10,010	274.4	278,304	254.3	153.2
July.....	74,065	125.7	10,818	269.9	11,689	280.4	373,646	243.7	154.6
August.....	76,352	125.2	11,049	268.3	11,618	275.5	360,018	252.2	154.0
September.....	75,091	126.3	8,880	274.7	9,332	281.3	313,132	290.5	158.3
October.....	75,593	126.4	10,161	301.6	10,715	309.1	219,342	324.3	157.0
November.....	72,558	126.4	12,218	309.3	12,818	315.4	168,754	342.4	156.4
December.....	78,179	125.2	11,101	265.4	11,750	273.3	187,065	278.4	146.9
Total.....	880,588	127.3	110,906	278.8	117,789	288.0	2,764,734	276.0	152.2
1998 ⁴									
January.....	79,108	125.3	9,569	235.5	10,105	242.4	164,826	274.5	142.8
February.....	70,246	126.1	8,736	206.0	9,255	214.0	122,862	253.3	139.0
March.....	75,647	126.5	10,676	199.3	11,135	204.6	181,096	254.4	142.4
April.....	74,733	126.4	11,749	218.9	12,289	225.0	186,127	259.8	144.7
May.....	76,123	126.0	11,554	215.3	12,185	221.5	252,716	247.1	146.5
June.....	76,493	126.6	13,428	216.7	14,237	222.4	330,939	237.6	149.7
July.....	79,591	125.5	20,875	220.3	21,736	224.1	389,582	249.3	154.7
August.....	82,140	125.8	19,250	202.9	20,095	207.2	390,296	219.3	147.5
September.....	78,776	124.8	12,919	196.0	13,602	202.1	331,911	211.9	142.6
October.....	79,358	123.5	14,952	207.8	15,683	213.7	230,695	223.1	140.1
November.....	77,021	123.8	10,556	198.6	11,179	204.9	163,973	241.0	137.7
December.....	79,658	121.1	12,500	175.5	13,599	183.5	174,699	231.0	134.3
Total.....	928,893	125.1	156,764	207.9	165,099	213.6	2,919,721	238.4	143.8
Year-to-Date									
1998 ⁴	928,893	125.1	156,764	207.9	165,099	213.6	2,919,721	238.4	143.8
1997 ⁴	880,588	127.3	110,906	278.8	117,789	288.0	2,764,734	276.0	152.2
1996.....	862,701	128.9	98,926	303.4	106,629	315.7	2,604,663	264.1	151.9

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

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

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

⁴ Data for 1998 are preliminary. Data for 1997 are final.

Notes: *Totals may not equal sum of components because of independent rounding. *As of 1991, data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1988-1990 are for steam-electric plants with a generator nameplate capacity of 50 or more megawatts. *Mcf=thousand cubic feet. *Monetary values are expressed in nominal terms. *Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

NERC Region and Hawaii	December 1998 ¹	November 1998 ¹	December 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	18,012	17,563	18,856	216,476	207,249	4.5
ERCOT.....	7,243	6,199	7,020	80,704	77,867	3.6
MAAC.....	3,566	3,870	3,520	45,592	44,341	2.8
MAIN.....	7,116	7,079	6,782	80,458	80,017	.6
MAPP (U.S.).....	6,991	7,065	6,862	80,106	72,048	11.2
NPCC (U.S.).....	1,019	1,002	1,362	14,835	15,402	-3.7
SERC.....	14,046	13,048	13,460	162,966	156,175	4.3
FRCC.....	2,369	2,181	2,113	24,288	24,871	NM
SPP.....	8,509	8,285	8,400	102,930	93,411	10.2
WSCC (U.S.).....	10,787	10,728	9,804	120,538	109,206	10.4
Contiguous U.S.....	79,658	77,021	78,179	928,893	880,588	5.5
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	79,658	77,021	78,179	928,893	880,588	5.5

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

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

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

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

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

NERC Region and Hawaii	December 1998 ¹	November 1998 ¹	December 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	124.8	126.1	125.0	125.4	124.5	0.7
ERCOT.....	116.5	120.3	124.8	115.8	114.2	1.5
MAAC.....	131.6	134.9	140.5	135.3	139.4	-2.9
MAIN.....	116.9	123.7	129.1	129.9	134.6	-3.5
MAPP (U.S.).....	79.5	81.8	82.6	86.2	88.9	-3.1
NPCC (U.S.).....	149.9	149.3	155.7	152.4	155.5	-2.0
SERC.....	139.2	139.1	140.1	140.1	140.4	-.2
FRCC.....	157.9	165.5	165.3	166.6	169.6	NM
SPP.....	105.8	110.0	118.0	116.5	123.3	-5.5
WSCC (U.S.).....	104.5	111.0	104.6	109.2	112.6	-3.0
Contiguous U.S.....	121.1	123.8	125.2	125.1	127.3	-1.7
ASCC.....	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—
U.S. Average.....	121.1	123.8	125.2	125.1	127.3	-1.7

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

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

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

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

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

NERC Region and Hawaii	December 1998 ¹	November 1998 ¹	December 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	396	265	214	4,044	2,767	46.1
ERCOT.....	12	4	75	207	466	-55.7
MAAC.....	1,395	804	715	17,388	8,333	108.7
MAIN.....	93	25	24	1,331	996	33.7
MAPP (U.S.).....	20	11	33	268	295	-9.1
NPCC (U.S.).....	6,176	3,644	6,455	58,268	50,731	14.9
SERC.....	243	320	130	6,168	2,577	139.3
FRCC.....	3,843	5,020	2,671	59,765	38,308	NM
SPP.....	841	396	799	10,256	5,692	80.2
WSCC (U.S.).....	79	42	48	488	395	23.3
Contiguous U.S.....	13,097	10,530	11,165	158,183	110,562	43.1
ASCC.....	—	—	—	—	—	—
Hawaii.....	502	650	585	6,916	7,227	-4.3
U.S. Total.....	13,599	11,179	11,750	165,099	117,789	40.2

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

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

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

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

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

NERC Region and Hawaii	December 1998 ¹	November 1998 ¹	December 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	276.2	292.6	378.3	302.8	401.1	-24.5
ERCOT.....	250.6	295.9	428.7	374.8	457.3	-18.0
MAAC.....	202.0	215.0	278.4	221.1	288.4	-23.4
MAIN.....	241.9	321.4	356.1	278.7	382.6	-27.2
MAPP (U.S.).....	239.9	235.9	402.0	332.2	457.2	-27.3
NPCC (U.S.).....	169.2	189.8	260.4	203.5	277.1	-26.6
SERC.....	243.0	260.8	388.2	232.5	348.7	-33.3
FRCC.....	173.0	197.6	256.9	205.8	270.1	NM
SPP.....	183.9	192.1	284.0	205.6	280.2	-26.6
WSCC (U.S.).....	321.4	411.3	492.0	389.6	529.7	-26.4
Contiguous U.S.....	180.6	201.2	268.5	211.5	283.1	-25.3
ASCC.....	—	—	—	—	—	—
Hawaii.....	259.5	265.3	366.3	261.5	364.3	-28.2
U.S. Average.....	183.5	204.9	273.3	213.6	288.0	-25.8

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

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

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

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

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

NERC Region and Hawaii	December 1998 ¹	November 1998 ¹	December 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	2,905	2,685	2,401	47,464	32,204	47.4
ERCOT.....	52,986	46,008	54,418	986,322	827,893	19.1
MAAC.....	1,906	1,395	1,283	37,017	41,594	-11.0
MAIN.....	1,877	1,892	5,300	56,399	48,995	15.1
MAPP (U.S.).....	276	281	336	7,948	7,014	13.3
NPCC (U.S.).....	11,192	8,793	19,744	249,343	310,649	-19.7
SERC.....	2,163	2,032	1,382	54,035	26,854	101.2
FRCC.....	16,089	16,939	18,312	238,253	275,316	NM
SPP.....	51,407	48,478	46,279	795,648	674,114	18.0
WSCC (U.S.).....	32,573	34,309	36,268	434,554	506,228	-14.2
Contiguous U.S.	173,374	162,813	185,722	2,906,982	2,750,861	5.7
ASCC.....	1,325	1,160	1,343	12,739	13,873	-8.2
Hawaii.....	—	—	—	—	—	—
U.S. Total.....	174,699	163,973	187,065	2,919,721	2,764,734	5.6

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

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

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

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

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

NERC Region and Hawaii	December 1998 ¹	November 1998 ¹	December 1997 ¹	Year to Date		
				1998 ¹	1997 ¹	Difference (percent)
ECAR.....	244.7	251.8	268.4	247.5	282.5	-12.4
ERCOT.....	219.0	220.1	268.2	225.4	264.8	-14.9
MAAC.....	314.9	385.6	368.0	278.7	297.1	-6.2
MAIN.....	215.9	231.0	246.1	223.5	255.4	-12.5
MAPP (U.S.).....	314.8	290.2	303.3	267.8	295.0	-9.2
NPCC (U.S.).....	234.9	269.2	334.5	255.4	287.0	-11.0
SERC.....	271.1	271.3	254.5	265.4	265.3	*
FRCC.....	270.5	279.5	304.5	276.8	304.5	NM
SPP.....	212.9	226.4	268.6	228.4	268.9	-15.1
WSCC (U.S.).....	252.8	257.8	268.5	250.9	284.4	-11.8
Contiguous U.S.	231.5	241.5	279.1	238.7	276.5	-13.7
ASCC.....	158.8	159.2	176.2	168.1	167.3	.5
Hawaii.....	—	—	—	—	—	—
U.S. Average.....	231.0	241.0	278.4	238.4	276.0	-13.6

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

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

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

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

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

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

Census Division and State	Anthracite		Bituminous		Subbituminous		Lignite		Total	
	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)
New England	—	—	228	5,961	—	—	—	—	228	5,961
Connecticut.....	—	—	62	1,607	—	—	—	—	62	1,607
Maine.....	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	46	1,181	—	—	—	—	46	1,181
New Hampshire.....	—	—	121	3,172	—	—	—	—	121	3,172
Rhode Island.....	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—
Middle Atlantic	6	120	4,546	113,838	—	—	—	—	4,552	113,958
New Jersey.....	—	—	257	6,658	—	—	—	—	257	6,658
New York.....	—	—	790	20,558	—	—	—	—	790	20,558
Pennsylvania.....	6	120	3,498	86,622	—	—	—	—	3,504	86,742
East North Central	—	—	10,692	251,325	6,889	121,898	—	—	17,581	373,222
Illinois.....	—	—	1,461	31,852	2,043	36,079	—	—	3,504	67,931
Indiana.....	—	—	3,384	76,868	1,333	23,315	—	—	4,717	100,183
Michigan.....	—	—	1,238	31,515	1,743	32,054	—	—	2,981	63,568
Ohio.....	—	—	4,350	104,493	159	2,795	—	—	4,510	107,287
Wisconsin.....	—	—	258	6,597	1,611	27,655	—	—	1,869	34,253
West North Central	—	—	313	6,959	9,134	158,486	2,410	31,679	11,858	197,124
Iowa.....	—	—	30	705	1,654	27,978	—	—	1,684	28,683
Kansas.....	—	—	113	2,545	1,385	23,580	—	—	1,497	26,125
Minnesota.....	—	—	4	99	1,597	28,517	—	—	1,601	28,616
Missouri.....	—	—	166	3,611	3,347	58,591	—	—	3,513	62,202
Nebraska.....	—	—	—	—	969	16,612	—	—	969	16,612
North Dakota.....	—	—	—	—	—	—	2,410	31,679	2,410	31,679
South Dakota.....	—	—	—	—	183	3,207	—	—	183	3,207
South Atlantic	—	—	13,339	331,773	715	12,487	—	—	14,054	344,261
Delaware.....	—	—	89	2,335	—	—	—	—	89	2,335
District of Columbia.....	—	—	—	—	—	—	—	—	—	—
Florida.....	—	—	2,546	61,981	87	1,513	—	—	2,633	63,494
Georgia.....	—	—	2,331	58,022	628	10,975	—	—	2,959	68,997
Maryland.....	—	—	755	19,466	—	—	—	—	755	19,466
North Carolina.....	—	—	2,339	58,210	—	—	—	—	2,339	58,210
South Carolina.....	—	—	1,066	27,247	—	—	—	—	1,066	27,247
Virginia.....	—	—	1,081	27,333	—	—	—	—	1,081	27,333
West Virginia.....	—	—	3,131	77,178	—	—	—	—	3,131	77,178
East South Central	—	—	7,202	173,141	1,018	17,856	—	—	8,220	190,996
Alabama.....	—	—	2,013	49,581	514	8,783	—	—	2,527	58,364
Kentucky.....	—	—	2,683	62,704	82	1,447	—	—	2,765	64,150
Mississippi.....	—	—	258	6,311	218	4,055	—	—	476	10,367
Tennessee.....	—	—	2,248	54,544	204	3,571	—	—	2,452	58,115
West South Central	—	—	96	2,059	7,533	129,848	4,749	60,519	12,378	192,426
Arkansas.....	—	—	—	—	1,290	22,427	—	—	1,290	22,427
Louisiana.....	—	—	—	—	793	13,440	274	3,698	1,067	17,138
Oklahoma.....	—	—	9	228	1,624	28,106	—	—	1,633	28,334
Texas.....	—	—	87	1,831	3,827	65,875	4,475	56,821	8,389	124,528
Mountain	—	—	3,756	82,980	6,327	112,373	26	345	10,109	195,698
Arizona.....	—	—	633	13,845	868	16,605	—	—	1,500	30,450
Colorado.....	—	—	684	14,712	787	14,065	—	—	1,471	28,777
Idaho.....	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	1,030	17,385	26	345	1,056	17,730
Nevada.....	—	—	752	16,828	—	—	—	—	752	16,828
New Mexico.....	—	—	—	—	1,493	27,020	—	—	1,493	27,020
Utah.....	—	—	1,413	32,128	—	—	—	—	1,413	32,128
Wyoming.....	—	—	273	5,467	2,150	37,298	—	—	2,423	42,765
Pacific Contiguous	—	—	—	—	678	11,246	—	—	678	11,246
California.....	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	193	3,254	—	—	193	3,254
Washington.....	—	—	—	—	485	7,992	—	—	485	7,992
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—
U.S. Total	6	120	40,171	968,035	32,295	564,193	7,185	92,543	79,658	1,624,891

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1998 are preliminary. *Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 34. Receipts and Average Cost of Coal Delivered to Electric Utilities by Census Division and State¹

Census Division and State	December 1998 Receipts		December 1997 Receipts		Year to Date			
	(thousand short tons)	(billion Btu)	(thousand short tons)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) ¹	
					1998	1997	1998	1997
New England	228	5,961	564	14,450	141,888	181,777	167.6	171.2
Connecticut.....	62	1,607	69	1,814	17,263	25,006	181.1	190.5
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	46	1,181	353	8,874	87,633	114,277	167.6	169.9
New Hampshire.....	121	3,172	143	3,762	36,992	42,494	161.2	163.2
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—
Middle Atlantic	4,552	113,958	4,480	111,873	1,386,424	1,347,705	137.6	138.3
New Jersey.....	257	6,658	188	4,954	60,643	54,609	159.0	175.6
New York.....	790	20,558	798	20,818	242,673	216,956	143.4	142.4
Pennsylvania.....	3,504	86,742	3,494	86,101	1,083,108	1,076,139	135.0	135.5
East North Central	17,581	373,222	18,305	388,651	4,421,104	4,286,039	129.9	130.7
Illinois.....	3,504	67,931	3,474	67,260	773,462	797,174	155.7	155.4
Indiana.....	4,717	100,183	4,876	101,760	1,200,903	1,116,269	112.3	116.4
Michigan.....	2,981	63,568	3,116	66,154	737,443	679,322	133.4	136.9
Ohio.....	4,510	107,287	4,775	113,635	1,273,392	1,254,333	136.5	132.1
Wisconsin.....	1,869	34,253	2,064	39,843	435,904	438,941	107.4	109.0
West North Central	11,858	197,124	11,185	186,025	2,256,197	2,017,009	88.9	91.7
Iowa.....	1,684	28,683	1,543	26,360	375,289	288,899	87.6	93.7
Kansas.....	1,497	26,125	1,628	28,492	320,363	292,286	98.4	102.1
Minnesota.....	1,601	28,616	1,737	30,942	318,267	312,941	106.9	109.5
Missouri.....	3,513	62,202	2,811	50,344	689,840	603,562	91.7	93.4
Nebraska.....	969	16,612	969	16,546	204,991	182,858	58.6	58.5
North Dakota.....	2,410	31,679	2,298	29,851	317,790	302,862	76.2	77.8
South Dakota.....	183	3,207	200	3,490	29,657	33,600	92.7	92.0
South Atlantic	14,054	344,261	12,849	315,400	3,930,673	3,676,250	144.7	147.6
Delaware.....	89	2,335	156	4,093	45,208	43,950	156.3	157.1
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	2,633	63,494	2,345	56,692	677,720	668,984	164.8	172.5
Georgia.....	2,959	68,997	2,390	55,763	745,846	666,429	154.5	158.6
Maryland.....	755	19,466	928	23,882	280,127	261,855	145.7	150.0
North Carolina.....	2,339	58,210	2,165	53,500	689,757	646,852	143.8	142.9
South Carolina.....	1,066	27,247	979	25,066	331,533	304,277	144.7	144.7
Virginia.....	1,081	27,333	1,080	27,147	320,503	299,537	137.8	139.3
West Virginia.....	3,131	77,178	2,806	69,257	839,979	784,366	122.2	123.7
East South Central	8,220	190,996	8,846	203,375	2,302,123	2,371,294	125.3	123.9
Alabama.....	2,527	58,364	2,503	57,040	688,029	681,214	156.0	154.9
Kentucky.....	2,765	64,150	3,288	76,200	855,342	915,236	105.9	104.6
Mississippi.....	476	10,367	587	11,918	124,413	126,738	153.8	154.7
Tennessee.....	2,452	58,115	2,468	58,217	634,339	648,107	112.5	112.5
West South Central	12,378	192,426	12,146	189,233	2,263,945	2,110,015	123.4	126.7
Arkansas.....	1,290	22,427	1,103	19,180	249,423	206,856	147.1	164.0
Louisiana.....	1,067	17,138	1,105	17,927	227,428	213,351	142.9	147.9
Oklahoma.....	1,633	28,334	1,526	26,384	341,671	317,604	91.0	91.8
Texas.....	8,389	124,528	8,412	125,742	1,445,424	1,372,204	123.9	125.9
Mountain	10,109	195,698	9,187	177,245	2,182,376	2,013,371	107.4	110.7
Arizona.....	1,500	30,450	1,497	30,520	383,533	341,095	133.0	142.5
Colorado.....	1,471	28,777	1,409	27,225	355,225	329,937	98.7	100.9
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	1,056	17,730	837	14,264	177,300	154,365	67.3	68.3
Nevada.....	752	16,828	428	9,573	185,286	153,029	131.1	139.2
New Mexico.....	1,493	27,020	1,506	27,205	287,749	286,127	130.6	133.6
Utah.....	1,413	32,128	1,349	30,519	335,469	341,097	115.0	111.3
Wyoming.....	2,423	42,765	2,161	37,939	457,813	407,721	78.6	80.6
Pacific Contiguous	678	11,246	616	10,316	135,305	92,411	138.4	154.5
California.....	—	—	—	—	—	—	—	—
Oregon.....	193	3,254	153	2,688	34,984	15,326	108.9	113.9
Washington.....	485	7,992	463	7,628	100,321	77,085	148.7	162.6
Pacific Noncontiguous	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	79,658	1,624,891	78,179	1,596,568	19,020,035	18,095,870	125.1	127.3

¹ Monetary values are expressed in nominal terms.

Notes: •Data for 1998 are preliminary. Data for 1997 are final. •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Coal includes lignite, bituminous coal, subbituminous coal, and anthracite. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data. •See footnotes 4 through 8 of Table 57 for information concerning delivered cost of coal to Alabama, Florida, Kentucky, and Tennessee.

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

Table 35. Receipts and Average Cost of Coal Delivered to Electric Utilities by Type of Purchase, Mining Method, Census Division, and State, December 1998

Census Division and State	Type of Purchase						Type of Mining					
	Contract			Spot			Strip and Auger			Underground		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)
New England.....	125	170.8	45.14	103	166.8	42.96	74	163.3	42.19	155	171.7	45.09
Connecticut.....	27	184.0	48.41	35	178.3	45.68	35	178.3	45.68	27	184.0	48.41
Maine.....	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	16	176.1	46.56	29	175.5	44.89	—	—	—	46	175.7	45.48
New Hampshire.....	82	165.5	43.79	39	150.0	39.03	39	150.0	39.03	82	165.5	43.79
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	3,584	138.4	34.59	968	120.7	30.41	1,311	122.9	29.93	3,241	139.1	35.22
New Jersey.....	195	152.8	38.93	62	140.6	38.00	145	150.2	38.40	113	149.0	39.09
New York.....	648	146.2	38.26	142	135.7	34.23	35	128.9	28.41	756	144.9	37.95
Pennsylvania.....	2,741	135.4	33.41	763	116.1	29.08	1,131	119.1	28.89	2,373	136.7	34.17
East North Central.....	12,435	130.0	27.17	5,145	113.4	24.99	12,493	121.4	24.37	5,087	132.4	31.83
Illinois.....	2,683	141.3	27.59	821	111.0	20.99	2,271	140.8	25.52	1,233	124.5	27.01
Indiana.....	3,184	116.3	24.20	1,534	106.4	23.53	3,830	107.7	22.16	887	132.5	31.86
Michigan.....	2,128	134.6	26.72	852	128.2	32.11	2,272	133.9	26.64	709	129.0	33.43
Ohio.....	3,033	142.4	34.10	1,476	115.0	26.99	2,447	130.8	30.22	2,062	136.6	33.61
Wisconsin.....	1,407	100.6	18.79	462	101.1	17.43	1,673	93.2	16.23	196	142.9	37.47
West North Central.....	9,336	85.7	14.09	2,522	82.6	14.30	11,702	84.2	13.93	156	129.6	29.90
Iowa.....	1,058	80.1	13.73	626	75.6	12.73	1,654	77.1	13.05	30	130.9	30.69
Kansas.....	1,497	99.1	17.29	—	—	—	1,425	97.7	16.78	72	120.0	27.42
Minnesota.....	1,531	95.1	16.95	70	111.1	20.98	1,601	95.8	17.13	—	—	—
Missouri.....	1,910	92.8	16.60	1,603	86.1	15.07	3,459	88.7	15.64	54	141.6	32.79
Nebraska.....	746	56.1	9.68	224	66.1	11.09	969	58.4	10.01	—	—	—
North Dakota.....	2,410	73.5	9.66	—	—	—	2,410	73.5	9.66	—	—	—
South Dakota.....	183	92.6	16.23	—	—	—	183	92.6	16.23	—	—	—
South Atlantic.....	9,673	143.4	35.74	4,381	140.3	33.06	6,393	144.3	34.46	7,661	141.1	35.27
Delaware.....	86	150.1	39.41	3	134.9	32.72	28	162.3	41.85	61	143.9	37.94
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	1,818	161.3	39.30	815	143.9	33.90	926	154.7	36.34	1,707	156.8	38.34
Georgia.....	1,419	158.2	39.70	1,540	150.6	32.67	2,010	149.1	33.45	949	164.9	41.52
Maryland.....	477	148.4	37.97	278	146.9	38.29	285	146.2	36.93	470	148.8	38.79
North Carolina.....	1,623	142.7	35.49	716	139.4	34.73	1,152	142.5	35.35	1,187	140.9	35.17
South Carolina.....	920	144.7	37.07	146	143.6	36.27	352	153.3	38.97	714	140.3	35.97
Virginia.....	720	135.9	34.30	360	135.1	34.30	495	137.0	34.87	586	134.4	33.82
West Virginia.....	2,609	123.9	30.64	523	107.8	26.11	1,145	129.5	31.45	1,986	116.6	28.99
East South Central.....	6,373	126.4	28.98	1,847	123.4	29.95	3,144	118.0	25.56	5,077	129.9	31.45
Alabama.....	1,985	157.6	35.74	542	141.8	34.93	898	137.0	27.68	1,629	161.6	39.91
Kentucky.....	2,021	104.7	23.97	744	108.6	26.07	1,666	106.7	24.57	1,099	104.4	24.48
Mississippi.....	377	157.9	34.25	99	138.6	30.61	272	149.5	29.81	204	158.4	38.40
Tennessee.....	1,990	112.2	26.34	462	122.3	30.20	308	104.7	20.98	2,145	115.3	27.94
West South Central.....	11,375	116.3	17.90	1,003	114.5	19.75	12,366	116.0	18.03	12	151.1	37.49
Arkansas.....	1,212	138.5	24.12	78	139.8	23.56	1,290	138.6	24.09	—	—	—
Louisiana.....	1,067	140.3	22.54	—	—	—	1,067	140.3	22.54	—	—	—
Oklahoma.....	1,633	86.3	14.98	—	—	—	1,633	86.3	14.98	—	—	—
Texas.....	7,464	115.9	16.86	925	112.4	19.43	8,377	115.4	17.11	12	151.1	37.49
Mountain.....	9,506	104.4	20.12	603	92.7	19.33	8,113	107.4	19.89	1,996	91.4	20.83
Arizona.....	1,382	144.7	29.44	118	134.3	26.51	1,471	142.8	28.90	30	195.5	44.56
Colorado.....	1,319	98.0	18.87	152	88.1	19.65	1,195	97.0	18.30	276	96.2	21.76
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	1,056	68.1	11.43	—	—	—	1,056	68.1	11.43	—	—	—
Nevada.....	660	118.1	26.16	92	102.4	24.45	475	112.9	24.62	277	121.1	28.24
New Mexico.....	1,493	118.0	21.35	—	—	—	1,493	118.0	21.35	—	—	—
Utah.....	1,413	82.3	18.70	—	—	—	—	—	—	1,413	82.3	18.70
Wyoming.....	2,182	99.8	17.43	241	70.7	13.66	2,423	96.6	17.05	—	—	—
Pacific Contiguous.....	351	124.6	19.48	327	114.2	20.11	678	119.3	19.78	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	193	108.9	18.37	193	108.9	18.37	—	—	—
Washington.....	351	124.6	19.48	134	121.0	22.61	485	123.5	20.35	—	—	—
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—	—
U. S. Total.....	62,757	121.8	24.40	16,901	118.7	25.84	56,272	114.8	21.47	23,385	132.7	32.49

¹ Monetary values are expressed in nominal terms.

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

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

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

Census Division and State	0.5% or Less			More than 0.5% up to 1.0%			More than 1.0% up to 1.5%		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)	(1,000 short tons)	(Cents/ 10 ⁶ Btu)	(\$/ short ton)
New England	8	192.8	50.63	130	170.4	44.09	64	166.8	43.99
Connecticut.....	—	—	—	62	180.8	46.87	—	—	—
Maine.....	—	—	—	—	—	—	—	—	—
Massachusetts.....	8	192.8	50.63	29	175.5	44.89	8	160.2	42.64
New Hampshire.....	—	—	—	39	150.0	39.03	55	167.8	44.20
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
Middle Atlantic	—	—	—	604	150.8	37.92	845	134.9	34.88
New Jersey.....	—	—	—	200	140.4	36.61	—	—	—
New York.....	—	—	—	200	168.0	42.68	179	139.7	36.71
Pennsylvania.....	—	—	—	203	144.2	34.53	666	133.5	34.39
East North Central	7,040	121.0	21.56	3,693	137.2	32.84	1,412	123.4	29.49
Illinois.....	2,143	145.3	26.04	336	130.2	28.43	79	121.2	24.91
Indiana.....	1,394	112.4	19.89	417	146.4	35.27	682	125.9	28.10
Michigan.....	1,730	125.7	23.12	747	153.7	38.23	416	116.8	30.59
Ohio.....	161	116.9	20.56	2,118	129.9	31.00	102	116.4	29.23
Wisconsin.....	1,611	90.2	15.49	75	151.0	37.21	133	140.0	36.10
West North Central	8,413	85.3	14.84	3,094	82.0	11.90	274	95.7	14.68
Iowa.....	1,633	78.3	13.35	50	82.2	13.87	—	—	—
Kansas.....	1,447	98.5	17.02	—	—	—	—	—	—
Minnesota.....	1,089	93.3	16.75	510	100.9	17.84	3	149.3	33.07
Missouri.....	3,275	88.0	15.40	172	101.5	19.71	39	143.2	33.35
Nebraska.....	969	58.4	10.01	—	—	—	—	—	—
North Dakota.....	—	—	—	2,178	72.6	9.48	232	81.4	11.34
South Dakota.....	—	—	—	183	92.6	16.23	—	—	—
South Atlantic	853	145.8	26.30	6,646	146.5	36.44	3,668	145.6	36.71
Delaware.....	—	—	—	36	160.8	41.36	53	142.3	37.68
District of Columbia.....	—	—	—	—	—	—	—	—	—
Florida.....	225	132.2	25.93	726	167.5	41.46	749	158.3	39.48
Georgia.....	628	151.2	26.43	1,496	157.3	39.21	568	151.5	37.66
Maryland.....	—	—	—	329	139.3	35.15	374	153.4	40.16
North Carolina.....	—	—	—	1,848	142.5	35.59	492	138.6	34.00
South Carolina.....	—	—	—	167	156.0	39.77	790	142.7	36.49
Virginia.....	—	—	—	689	135.6	34.19	363	134.8	34.39
West Virginia.....	—	—	—	1,356	134.3	32.79	278	123.9	30.97
East South Central	1,431	122.6	23.89	2,410	153.2	37.47	1,009	122.7	30.20
Alabama.....	712	125.3	24.31	1,020	190.4	47.18	107	156.7	38.83
Kentucky.....	113	111.4	21.72	929	118.5	28.58	389	109.2	26.26
Mississippi.....	218	151.8	28.26	162	164.1	40.54	82	140.9	33.46
Tennessee.....	388	105.8	21.29	299	124.7	30.27	431	122.8	30.99
West South Central	8,509	119.1	19.91	1,737	110.3	14.83	1,499	108.1	13.85
Arkansas.....	1,290	138.6	24.09	—	—	—	—	—	—
Louisiana.....	750	141.4	23.97	317	137.0	19.17	—	—	—
Oklahoma.....	1,624	86.2	14.92	—	—	—	—	—	—
Texas.....	4,845	121.7	19.84	1,420	104.0	13.86	1,499	108.1	13.85
Mountain	4,640	92.0	18.08	5,469	113.9	21.77	—	—	—
Arizona.....	631	168.0	32.80	869	127.6	26.60	—	—	—
Colorado.....	1,418	96.5	18.80	52	106.5	22.82	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—
Montana.....	77	65.5	10.17	979	68.3	11.53	—	—	—
Nevada.....	198	128.7	29.79	555	111.3	24.59	—	—	—
New Mexico.....	—	—	—	1,493	118.0	21.35	—	—	—
Utah.....	1,205	79.8	17.97	208	96.1	22.94	—	—	—
Wyoming.....	1,110	44.6	7.36	1,313	135.5	25.25	—	—	—
Pacific Contiguous	327	114.2	20.11	351	124.6	19.48	—	—	—
California.....	—	—	—	—	—	—	—	—	—
Oregon.....	193	108.9	18.37	—	—	—	—	—	—
Washington.....	134	121.0	22.61	351	124.6	19.48	—	—	—
Pacific Noncontiguous	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—
U. S. Total	31,219	107.1	19.01	24,134	131.7	27.80	8,770	133.2	30.08

¹ Monetary values are expressed in nominal terms.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1998 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	More than 1.5% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Purchases	
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹			
	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(1,000 short tons)	(Cents/10 ⁶ Btu)	(\$/short ton)	(Cents/10 ⁶ Btu)	(\$/short ton)
New England.....	—	—	—	27	160.7	42.93	—	—	—	169.0	44.16
Connecticut.....	—	—	—	—	—	—	—	—	—	180.8	46.87
Maine.....	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	—	—	—	—	—	—	—	175.7	45.48
New Hampshire.....	—	—	—	27	160.7	42.93	—	—	—	160.6	42.26
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	662	123.7	31.00	1,635	131.4	33.26	808	137.8	32.40	134.6	33.70
New Jersey.....	—	—	—	57	183.7	46.02	—	—	—	149.7	38.70
New York.....	24	145.3	37.44	388	134.6	35.26	—	—	—	144.3	37.54
Pennsylvania.....	638	122.9	30.76	1,190	127.8	31.99	808	137.8	32.40	131.1	32.46
East North Central.....	761	128.0	30.10	2,654	110.0	25.38	2,021	131.9	30.39	125.0	26.53
Illinois.....	91	159.0	35.50	622	107.2	23.33	233	124.2	26.58	134.3	26.05
Indiana.....	428	107.2	23.71	1,165	101.1	23.19	630	102.3	22.78	112.9	23.99
Michigan.....	31	133.2	34.04	2	151.2	37.49	54	128.5	33.07	132.5	28.26
Ohio.....	161	152.5	40.46	865	123.0	29.78	1,103	149.4	35.41	133.5	31.77
Wisconsin.....	50	147.7	39.18	—	—	—	—	—	—	100.7	18.46
West North Central.....	—	—	—	23	127.5	28.49	55	109.3	24.30	85.0	14.14
Iowa.....	—	—	—	—	—	—	—	—	—	78.4	13.36
Kansas.....	—	—	—	10	133.4	30.29	40	106.9	23.71	99.1	17.29
Minnesota.....	—	—	—	—	—	—	—	—	—	95.8	17.13
Missouri.....	—	—	—	13	122.7	27.09	15	116.0	25.94	89.8	15.90
Nebraska.....	—	—	—	—	—	—	—	—	—	58.4	10.01
North Dakota.....	—	—	—	—	—	—	—	—	—	73.5	9.66
South Dakota.....	—	—	—	—	—	—	—	—	—	92.6	16.23
South Atlantic.....	1,099	130.4	32.49	491	132.2	31.61	1,298	125.3	30.84	142.5	34.90
Delaware.....	—	—	—	—	—	—	—	—	—	149.6	39.16
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—
Florida.....	16	158.5	39.20	442	134.1	32.00	476	163.7	39.58	156.1	37.63
Georgia.....	238	152.4	37.95	29	137.7	33.05	—	—	—	154.6	36.04
Maryland.....	52	159.6	41.78	—	—	—	—	—	—	147.8	38.09
North Carolina.....	—	—	—	—	—	—	—	—	—	141.7	35.26
South Carolina.....	109	140.8	36.09	—	—	—	—	—	—	144.6	36.96
Virginia.....	29	145.2	35.83	—	—	—	—	—	—	135.6	34.30
West Virginia.....	655	116.8	28.85	21	86.3	21.33	822	103.7	25.78	121.3	29.89
East South Central.....	818	118.3	28.87	1,249	110.7	26.28	1,304	96.3	21.96	125.7	29.20
Alabama.....	362	127.0	30.76	207	119.5	29.02	118	110.3	26.23	154.0	35.57
Kentucky.....	53	102.1	24.00	165	101.6	22.86	1,117	93.5	21.12	105.8	24.53
Mississippi.....	—	—	—	14	132.1	33.56	—	—	—	153.8	33.49
Tennessee.....	402	112.5	27.82	862	109.8	26.16	69	115.8	28.14	114.2	27.07
West South Central.....	624	97.3	11.58	—	—	—	9	102.5	26.26	116.1	18.05
Arkansas.....	—	—	—	—	—	—	—	—	—	138.6	24.09
Louisiana.....	—	—	—	—	—	—	—	—	—	140.3	22.54
Oklahoma.....	—	—	—	—	—	—	9	102.5	26.26	86.3	14.98
Texas.....	624	97.3	11.58	—	—	—	—	—	—	115.5	17.14
Mountain.....	—	—	—	—	—	—	—	—	—	103.7	20.07
Arizona.....	—	—	—	—	—	—	—	—	—	143.9	29.21
Colorado.....	—	—	—	—	—	—	—	—	—	96.8	18.95
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	68.1	11.43
Nevada.....	—	—	—	—	—	—	—	—	—	116.0	25.95
New Mexico.....	—	—	—	—	—	—	—	—	—	118.0	21.35
Utah.....	—	—	—	—	—	—	—	—	—	82.3	18.70
Wyoming.....	—	—	—	—	—	—	—	—	—	96.6	17.05
Pacific Contiguous.....	—	—	—	—	—	—	—	—	—	119.3	19.78
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	108.9	18.37
Washington.....	—	—	—	—	—	—	—	—	—	123.5	20.35
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—
U. S. Total.....	3,963	123.2	27.74	6,078	118.3	28.28	5,494	122.6	28.72	121.1	24.70

¹ Monetary values are expressed in nominal terms.

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

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

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

Census Division and State	No. 2 Fuel Oil		No. 4 Fuel Oil ¹		No. 5 Fuel Oil ¹		No. 6 Fuel Oil		Total	
	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)
New England.....	14	83	—	—	—	—	3,250	20,783	3,265	20,869
Connecticut.....	2	11	—	—	—	—	1,264	8,105	1,266	8,116
Maine.....	1	8	—	—	—	—	433	2,754	435	2,761
Massachusetts.....	7	42	—	—	—	—	1,265	8,076	1,273	8,121
New Hampshire.....	2	11	—	—	—	—	288	1,849	290	1,859
Rhode Island.....	—	—	—	—	—	—	—	—	—	—
Vermont.....	2	11	—	—	—	—	—	—	2	11
Middle Atlantic.....	296	1,724	1	8	—	—	3,449	21,746	3,746	23,478
New Jersey.....	2	10	1	8	—	—	242	1,503	245	1,521
New York.....	5	27	—	—	—	—	2,906	18,342	2,911	18,369
Pennsylvania.....	289	1,686	—	—	—	—	301	1,902	590	3,588
East North Central.....	276	1,598	—	—	—	—	166	1,067	442	2,665
Illinois.....	20	117	—	—	—	—	65	415	85	532
Indiana.....	141	814	—	—	—	—	—	—	141	814
Michigan.....	56	328	—	—	—	—	101	652	158	981
Ohio.....	56	324	—	—	—	—	—	—	56	324
Wisconsin.....	2	14	—	—	—	—	—	—	2	14
West North Central.....	63	364	—	—	—	—	2	13	65	377
Iowa.....	6	37	—	—	—	—	—	—	6	37
Kansas.....	31	179	—	—	—	—	2	13	33	192
Minnesota.....	3	18	—	—	—	—	—	—	3	18
Missouri.....	12	67	—	—	—	—	—	—	12	67
Nebraska.....	*	2	—	—	—	—	—	—	*	2
North Dakota.....	10	60	—	—	—	—	—	—	10	60
South Dakota.....	—	—	—	—	—	—	—	—	—	—
South Atlantic.....	271	1,573	—	—	—	—	4,349	27,671	4,620	29,244
Delaware.....	5	27	—	—	—	—	215	1,356	220	1,383
District of Columbia.....	—	—	—	—	—	—	—	—	—	—
Florida.....	108	623	—	—	—	—	3,736	23,795	3,844	24,419
Georgia.....	58	340	—	—	—	—	—	—	58	340
Maryland.....	17	100	—	—	—	—	327	2,070	344	2,170
North Carolina.....	32	185	—	—	—	—	—	—	32	185
South Carolina.....	22	131	—	—	—	—	—	—	22	131
Virginia.....	2	9	—	—	—	—	72	450	73	460
West Virginia.....	27	158	—	—	—	—	—	—	27	158
East South Central.....	75	437	—	—	—	—	698	4,642	773	5,079
Alabama.....	15	88	—	—	—	—	—	—	15	88
Kentucky.....	18	106	—	—	—	—	—	—	18	106
Mississippi.....	8	47	—	—	—	—	698	4,642	706	4,689
Tennessee.....	33	196	—	—	—	—	—	—	33	196
West South Central.....	25	145	—	—	—	—	83	546	108	691
Arkansas.....	8	47	—	—	—	—	—	—	8	47
Louisiana.....	4	24	—	—	—	—	83	546	87	570
Oklahoma.....	1	3	—	—	—	—	—	—	1	3
Texas.....	12	70	—	—	—	—	—	—	12	70
Mountain.....	40	234	—	—	—	—	—	—	40	234
Arizona.....	8	48	—	—	—	—	—	—	8	48
Colorado.....	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—
Montana.....	2	12	—	—	—	—	—	—	2	12
Nevada.....	3	15	—	—	—	—	—	—	3	15
New Mexico.....	14	80	—	—	—	—	—	—	14	80
Utah.....	2	14	—	—	—	—	—	—	2	14
Wyoming.....	11	65	—	—	—	—	—	—	11	65
Pacific Contiguous.....	39	236	—	—	—	—	—	—	39	236
California.....	32	195	—	—	—	—	—	—	32	195
Oregon.....	6	35	—	—	—	—	—	—	6	35
Washington.....	1	6	—	—	—	—	—	—	1	6
Pacific Noncontiguous.....	—	—	—	—	—	—	501	3,146	501	3,146
Alaska.....	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	501	3,146	501	3,146
U.S. Total.....	1,098	6,393	1	8	—	—	12,499	79,616	13,599	86,019

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

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

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

*Data are for electric generating plants with total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Data for 1998 are preliminary. *Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	December 1998 Receipts		December 1997 Receipts		Year to Date			
	(thousand barrels)	(billion Btu)	(thousand barrels)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) ¹	
					1998	1997	1998	1997
New England	3,265	20,869	4,254	27,083	226,571	230,870	203.5	274.3
Connecticut	1,266	8,116	1,438	9,150	90,680	88,993	218.7	292.7
Maine	435	2,761	254	1,597	20,349	14,815	202.1	278.9
Massachusetts	1,273	8,121	2,116	13,470	100,043	116,833	192.6	260.7
New Hampshire	290	1,859	447	2,866	15,476	10,217	187.2	263.6
Rhode Island	—	—	—	—	—	—	—	—
Vermont	2	11	—	—	23	11	327.1	453.5
Middle Atlantic	3,746	23,478	2,361	14,844	200,138	120,843	210.6	285.3
New Jersey	245	1,521	86	528	11,121	9,456	242.2	298.7
New York	2,911	18,369	2,201	13,869	143,766	91,900	203.5	284.1
Pennsylvania	590	3,588	74	447	45,251	19,487	225.7	284.7
East North Central	442	2,665	174	1,059	28,655	18,859	288.6	382.3
Illinois	85	532	21	120	7,756	5,525	275.2	375.0
Indiana	141	814	19	110	2,891	2,247	319.4	453.1
Michigan	158	981	99	622	14,926	7,990	280.2	345.1
Ohio	56	324	31	182	2,842	2,706	332.6	437.0
Wisconsin	2	14	4	25	241	392	348.9	462.6
West North Central	65	377	106	654	3,930	6,044	293.1	346.5
Iowa	6	37	2	13	708	512	332.9	445.2
Kansas	33	192	56	352	1,506	3,175	265.5	282.1
Minnesota	3	18	2	14	259	225	352.7	483.2
Missouri	12	67	20	127	951	1,224	277.0	364.5
Nebraska	*	2	5	29	85	124	354.5	450.3
North Dakota	10	60	20	119	422	785	311.9	459.2
South Dakota	—	—	—	—	—	—	—	—
South Atlantic	4,620	29,244	3,364	21,507	472,727	284,851	209.2	276.1
Delaware	220	1,383	266	1,694	13,418	10,850	214.7	277.9
District of Columbia	—	—	4	23	2,680	845	252.9	357.7
Florida	3,844	24,419	2,672	17,175	380,775	245,667	205.9	270.2
Georgia	58	340	9	53	4,291	1,648	327.6	420.8
Maryland	344	2,170	294	1,858	38,026	12,580	211.5	296.4
North Carolina	32	185	44	257	2,358	2,033	310.5	427.7
South Carolina	23	131	13	77	632	795	327.6	454.1
Virginia	73	460	40	239	28,652	8,473	203.7	281.9
West Virginia	27	158	22	131	1,895	1,960	370.9	464.0
East South Central	773	5,079	633	4,125	59,159	30,497	205.6	289.8
Alabama	15	88	14	80	657	1,278	287.6	405.2
Kentucky	18	106	33	192	1,219	1,388	383.3	482.9
Mississippi	706	4,689	577	3,793	56,392	26,885	199.2	269.1
Tennessee	33	196	10	59	891	946	304.5	439.0
West South Central	108	691	224	1,385	10,156	9,022	250.1	361.5
Arkansas	8	47	6	37	536	427	370.8	470.2
Louisiana	87	570	121	785	8,145	5,457	222.3	301.8
Oklahoma	1	3	22	131	44	229	292.2	409.2
Texas	12	70	75	433	1,432	2,910	362.1	453.6
Mountain	40	234	46	270	2,120	2,119	423.9	532.9
Arizona	8	48	18	103	842	727	429.0	531.8
Colorado	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Montana	2	12	1	6	83	96	466.0	529.4
Nevada	3	15	1	6	173	223	379.6	507.6
New Mexico	14	80	4	23	303	257	439.3	574.6
Utah	2	14	2	12	247	135	439.6	583.6
Wyoming	11	65	21	120	472	681	405.5	517.0
Pacific Contiguous	39	236	2	12	748	193	292.4	494.4
California	32	195	—	—	627	—	274.7	—
Oregon	6	35	—	—	35	102	331.9	490.2
Washington	1	6	2	12	86	91	405.3	499.1
Pacific Noncontiguous	502	3,146	585	3,656	43,340	45,334	261.5	364.3
Alaska	—	—	—	—	—	—	—	—
Hawaii	502	3,146	585	3,656	43,340	45,334	261.5	364.3
U.S. Total	13,599	86,019	11,750	74,595	1,047,544	748,634	213.6	288.0

¹ Monetary values are expressed in nominal terms.

* Less than 0.5.

Notes: *Data for 1998 are preliminary. Data for 1997 are final. *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *The June 1989 petroleum coke receipts were 45.7 short tons and the cost was 0.89 cents per million Btu. *Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	Fuel Oil No. 6 by Type of Purchase						Averaged Cost of Fuel Oils ¹					
	Contract			Spot			No. 2		No. 4-No. 5		No. 6	
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)
	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)						
New England.....	1,047	159.3	10.24	2,203	173.1	11.04	254.8	14.82	—	—	168.6	10.78
Connecticut.....	256	176.9	11.51	1,008	187.5	11.98	264.6	15.34	—	—	185.3	11.88
Maine.....	—	—	—	433	178.7	11.35	260.9	15.21	—	—	178.7	11.35
Massachusetts.....	791	153.5	9.83	474	156.9	9.98	244.4	14.31	—	—	154.8	9.88
New Hampshire.....	—	—	—	288	141.2	9.06	256.8	14.86	—	—	141.2	9.06
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	277.7	15.88	—	—	—	—
Middle Atlantic.....	1,229	153.2	9.72	2,220	180.5	11.34	279.3	16.28	258.8	15.53	170.7	10.76
New Jersey.....	46	175.7	10.81	196	173.7	10.81	255.4	15.00	258.8	15.53	174.1	10.81
New York.....	1,183	152.3	9.68	1,723	180.8	11.36	367.1	20.98	—	—	169.1	10.67
Pennsylvania.....	—	—	—	301	183.4	11.58	278.0	16.21	—	—	183.4	11.58
East North Central.....	13	341.0	20.51	153	242.2	15.61	272.4	15.78	—	—	249.4	15.99
Illinois.....	—	—	—	65	221.2	14.13	294.8	17.06	—	—	221.2	14.13
Indiana.....	—	—	—	—	—	—	278.4	16.09	—	—	—	—
Michigan.....	13	341.0	20.51	88	257.4	16.69	238.0	13.90	—	—	267.4	17.18
Ohio.....	—	—	—	—	—	—	282.5	16.33	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	306.6	18.01	—	—	—	—
West North Central.....	—	—	—	2	156.4	10.08	259.1	15.08	—	—	156.4	10.08
Iowa.....	—	—	—	—	—	—	262.5	15.13	—	—	—	—
Kansas.....	—	—	—	2	156.4	10.08	261.5	15.29	—	—	156.4	10.08
Minnesota.....	—	—	—	—	—	—	279.9	16.11	—	—	—	—
Missouri.....	—	—	—	—	—	—	286.3	16.63	—	—	—	—
Nebraska.....	—	—	—	—	—	—	347.3	20.15	—	—	—	—
North Dakota.....	—	—	—	—	—	—	210.6	12.22	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic.....	1,793	169.9	10.84	2,555	172.9	10.98	292.9	16.99	—	—	171.6	10.92
Delaware.....	—	—	—	215	156.5	9.88	261.5	15.21	—	—	156.5	9.88
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	1,467	162.3	10.37	2,269	174.9	11.12	292.9	16.86	—	—	169.9	10.82
Georgia.....	—	—	—	—	—	—	317.8	18.49	—	—	—	—
Maryland.....	327	204.4	12.95	—	—	—	247.6	14.57	—	—	204.4	12.95
North Carolina.....	—	—	—	—	—	—	256.2	14.88	—	—	—	—
South Carolina.....	—	—	—	—	—	—	271.1	15.76	—	—	—	—
Virginia.....	—	—	—	72	156.5	9.84	305.3	17.78	—	—	156.5	9.84
West Virginia.....	—	—	—	—	—	—	333.7	19.53	—	—	—	—
East South Central.....	—	—	—	698	175.5	11.67	282.3	16.53	—	—	175.5	11.67
Alabama.....	—	—	—	—	—	—	220.4	12.81	—	—	—	—
Kentucky.....	—	—	—	—	—	—	345.8	20.22	—	—	—	—
Mississippi.....	—	—	—	698	175.5	11.67	292.5	17.19	—	—	175.5	11.67
Tennessee.....	—	—	—	—	—	—	272.9	16.04	—	—	—	—
West South Central.....	—	—	—	83	199.1	13.10	268.2	15.69	—	—	199.1	13.10
Arkansas.....	—	—	—	—	—	—	313.3	18.56	—	—	—	—
Louisiana.....	—	—	—	83	199.1	13.10	233.6	13.74	—	—	199.1	13.10
Oklahoma.....	—	—	—	—	—	—	244.7	14.13	—	—	—	—
Texas.....	—	—	—	—	—	—	250.6	14.53	—	—	—	—
Mountain.....	—	—	—	—	—	—	399.4	23.23	—	—	—	—
Arizona.....	—	—	—	—	—	—	389.2	23.14	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	449.4	26.61	—	—	—	—
Nevada.....	—	—	—	—	—	—	313.9	18.34	—	—	—	—
New Mexico.....	—	—	—	—	—	—	440.4	25.16	—	—	—	—
Utah.....	—	—	—	—	—	—	511.3	29.82	—	—	—	—
Wyoming.....	—	—	—	—	—	—	343.2	19.99	—	—	—	—
Pacific Contiguous.....	—	—	—	—	—	—	244.1	14.76	—	—	—	—
California.....	—	—	—	—	—	—	223.9	13.62	—	—	—	—
Oregon.....	—	—	—	—	—	—	331.9	19.52	—	—	—	—
Washington.....	—	—	—	—	—	—	385.7	22.68	—	—	—	—
Pacific Noncontiguous.....	501	259.5	16.28	—	—	—	—	—	—	—	259.5	16.28
Alaska.....	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	501	259.5	16.28	—	—	—	—	—	—	—	259.5	16.28
U. S. Total.....	4,584	173.1	11.03	7,915	176.9	11.27	282.5	16.45	258.8	15.53	175.5	11.18

¹ Monetary values are expressed in nominal terms.

Notes: •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Data for 1998 are preliminary. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	0.3% or Less			More than 0.3% up to 0.5%			More than 0.5% up to 1.0%		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)
New England.....	26	213.6	13.50	176	188.9	11.90	2,277	171.6	10.98
Connecticut.....	—	—	—	169	188.0	11.84	1,094	184.9	11.89
Maine.....	—	—	—	—	—	—	214	188.5	11.97
Massachusetts.....	26	213.6	13.50	7	211.1	13.33	969	152.8	9.74
New Hampshire.....	—	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	1,109	175.4	10.91	466	176.4	11.07	1,765	166.4	10.59
New Jersey.....	243	174.5	10.83	—	—	—	—	—	—
New York.....	866	175.6	10.93	231	171.1	10.71	1,699	165.5	10.53
Pennsylvania.....	—	—	—	235	181.6	11.43	66	189.5	12.13
East North Central.....	—	—	—	17	235.0	13.97	149	250.9	16.22
Illinois.....	—	—	—	—	—	—	65	221.2	14.13
Indiana.....	—	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	17	235.0	13.97	84	273.4	17.83
Ohio.....	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—
West North Central.....	—	—	—	—	—	—	—	—	—
Iowa.....	—	—	—	—	—	—	—	—	—
Kansas.....	—	—	—	—	—	—	—	—	—
Minnesota.....	—	—	—	—	—	—	—	—	—
Missouri.....	—	—	—	—	—	—	—	—	—
Nebraska.....	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—
South Atlantic.....	—	—	—	3	173.0	10.64	1,846	191.9	12.13
Delaware.....	—	—	—	—	—	—	215	156.5	9.88
District of Columbia.....	—	—	—	—	—	—	—	—	—
Florida.....	—	—	—	3	173.0	10.64	1,276	195.3	12.35
Georgia.....	—	—	—	—	—	—	—	—	—
Maryland.....	—	—	—	—	—	—	283	212.2	13.42
North Carolina.....	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—
Virginia.....	—	—	—	—	—	—	72	156.5	9.84
West Virginia.....	—	—	—	—	—	—	—	—	—
East South Central.....	—	—	—	—	—	—	—	—	—
Alabama.....	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	—	—	—	—	—	—
Tennessee.....	—	—	—	—	—	—	—	—	—
West South Central.....	—	—	—	—	—	—	—	—	—
Arkansas.....	—	—	—	—	—	—	—	—	—
Louisiana.....	—	—	—	—	—	—	—	—	—
Oklahoma.....	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	—	—	—
Mountain.....	—	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—	—
Pacific Contiguous.....	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous.....	76	240.2	14.96	425	262.9	16.52	—	—	—
Alaska.....	—	—	—	—	—	—	—	—	—
Hawaii.....	76	240.2	14.96	425	262.9	16.52	—	—	—
U. S. Total.....	1,211	180.3	11.22	1,087	213.2	13.38	6,037	178.2	11.35

¹ Monetary values are expressed in nominal terms.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Fuel Oil No. 2 has been omitted from this table. *Oil and petroleum are used interchangeably in this report. *Data for 1998 are preliminary. *Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	More than 1.0% up to 2.0%			More than 2.0% up to 3.0%			More than 3.0%			All Purchases	
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹			
	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(1,000 bbls)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)	(Cents/ 10 ⁶ Btu)	(\$/ bbl)
New England.....	771	153.8	9.85	—	—	—	—	—	—	168.6	10.78
Connecticut.....	—	—	—	—	—	—	—	—	—	185.3	11.88
Maine.....	220	169.2	10.75	—	—	—	—	—	—	178.7	11.35
Massachusetts.....	263	154.8	9.97	—	—	—	—	—	—	154.8	9.88
New Hampshire.....	288	141.2	9.06	—	—	—	—	—	—	141.2	9.06
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	—	—	—	—	—
Middle Atlantic.....	111	171.3	10.84	—	—	—	—	—	—	170.7	10.76
New Jersey.....	—	—	—	—	—	—	—	—	—	174.5	10.83
New York.....	111	171.3	10.84	—	—	—	—	—	—	169.1	10.67
Pennsylvania.....	—	—	—	—	—	—	—	—	—	183.4	11.58
East North Central.....	—	—	—	—	—	—	—	—	—	249.4	15.99
Illinois.....	—	—	—	—	—	—	—	—	—	221.2	14.13
Indiana.....	—	—	—	—	—	—	—	—	—	—	—
Michigan.....	—	—	—	—	—	—	—	—	—	267.4	17.18
Ohio.....	—	—	—	—	—	—	—	—	—	—	—
Wisconsin.....	—	—	—	—	—	—	—	—	—	—	—
West North Central.....	2	156.4	10.08	—	—	—	—	—	—	156.4	10.08
Iowa.....	—	—	—	—	—	—	—	—	—	—	—
Kansas.....	2	156.4	10.08	—	—	—	—	—	—	156.4	10.08
Minnesota.....	—	—	—	—	—	—	—	—	—	—	—
Missouri.....	—	—	—	—	—	—	—	—	—	—	—
Nebraska.....	—	—	—	—	—	—	—	—	—	—	—
North Dakota.....	—	—	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—
South Atlantic.....	2,001	160.1	10.25	500	143.7	9.14	—	—	—	171.6	10.92
Delaware.....	—	—	—	—	—	—	—	—	—	156.5	9.88
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—
Florida.....	1,957	160.3	10.26	500	143.7	9.14	—	—	—	169.9	10.82
Georgia.....	—	—	—	—	—	—	—	—	—	—	—
Maryland.....	44	154.2	9.90	—	—	—	—	—	—	204.4	12.95
North Carolina.....	—	—	—	—	—	—	—	—	—	—	—
South Carolina.....	—	—	—	—	—	—	—	—	—	—	—
Virginia.....	—	—	—	—	—	—	—	—	—	156.5	9.84
West Virginia.....	—	—	—	—	—	—	—	—	—	—	—
East South Central.....	—	—	—	698	175.5	11.67	—	—	—	175.5	11.67
Alabama.....	—	—	—	—	—	—	—	—	—	—	—
Kentucky.....	—	—	—	—	—	—	—	—	—	—	—
Mississippi.....	—	—	—	698	175.5	11.67	—	—	—	175.5	11.67
Tennessee.....	—	—	—	—	—	—	—	—	—	—	—
West South Central.....	83	199.1	13.10	—	—	—	—	—	—	199.1	13.10
Arkansas.....	—	—	—	—	—	—	—	—	—	—	—
Louisiana.....	83	199.1	13.10	—	—	—	—	—	—	199.1	13.10
Oklahoma.....	—	—	—	—	—	—	—	—	—	—	—
Texas.....	—	—	—	—	—	—	—	—	—	—	—
Mountain.....	—	—	—	—	—	—	—	—	—	—	—
Arizona.....	—	—	—	—	—	—	—	—	—	—	—
Colorado.....	—	—	—	—	—	—	—	—	—	—	—
Idaho.....	—	—	—	—	—	—	—	—	—	—	—
Montana.....	—	—	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—	—	—
New Mexico.....	—	—	—	—	—	—	—	—	—	—	—
Utah.....	—	—	—	—	—	—	—	—	—	—	—
Wyoming.....	—	—	—	—	—	—	—	—	—	—	—
Pacific Contiguous.....	—	—	—	—	—	—	—	—	—	—	—
California.....	—	—	—	—	—	—	—	—	—	—	—
Oregon.....	—	—	—	—	—	—	—	—	—	—	—
Washington.....	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous.....	—	—	—	—	—	—	—	—	—	259.5	16.28
Alaska.....	—	—	—	—	—	—	—	—	—	—	—
Hawaii.....	—	—	—	—	—	—	—	—	—	259.5	16.28
U. S. Total.....	2,967	160.0	10.25	1,198	162.6	10.61	—	—	—	175.5	11.18

¹ Monetary values are expressed in nominal terms.

Notes: *Totals may not equal sum of components because of independent rounding. *Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. *Fuel Oil No. 2 has been omitted from this table. *Oil and petroleum are used interchangeably in this report. *Data for 1998 are preliminary. *Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

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

Census Division and State	Natural		Blast-Furnace ¹		Refinery		Total	
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)
New England.....	834	855	—	—	—	—	834	855
Connecticut.....	119	122	—	—	—	—	119	122
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	712	729	—	—	—	—	712	729
New Hampshire.....	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—
Vermont.....	4	4	—	—	—	—	4	4
Middle Atlantic.....	11,022	11,349	—	—	—	—	11,022	11,349
New Jersey.....	484	504	—	—	—	—	484	504
New York.....	10,358	10,659	—	—	—	—	10,358	10,659
Pennsylvania.....	180	186	—	—	—	—	180	186
East North Central.....	3,161	3,225	1,442	232	—	—	4,603	3,457
Illinois.....	1,532	1,566	—	—	—	—	1,532	1,566
Indiana.....	107	110	—	—	—	—	107	110
Michigan.....	1,165	1,186	1,442	232	—	—	2,607	1,418
Ohio.....	31	32	—	—	—	—	31	32
Wisconsin.....	326	330	—	—	—	—	326	330
West North Central.....	2,202	2,245	—	—	—	—	2,202	2,245
Iowa.....	149	150	—	—	—	—	149	150
Kansas.....	1,666	1,705	—	—	—	—	1,666	1,705
Minnesota.....	24	24	—	—	—	—	24	24
Missouri.....	322	325	—	—	—	—	322	325
Nebraska.....	41	40	—	—	—	—	41	40
North Dakota.....	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—
South Atlantic.....	18,204	19,170	—	—	19	20	18,223	19,190
Delaware.....	917	864	—	—	—	—	917	864
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	16,111	17,079	—	—	—	—	16,111	17,079
Georgia.....	14	14	—	—	—	—	14	14
Maryland.....	338	352	—	—	—	—	338	352
North Carolina.....	18	19	—	—	—	—	18	19
South Carolina.....	3	3	—	—	—	—	3	3
Virginia.....	738	773	—	—	19	20	757	792
West Virginia.....	65	65	—	—	—	—	65	65
East South Central.....	2,312	2,397	—	—	—	—	2,312	2,397
Alabama.....	134	140	—	—	—	—	134	140
Kentucky.....	81	83	—	—	—	—	81	83
Mississippi.....	2,097	2,173	—	—	—	—	2,097	2,173
Tennessee.....	—	—	—	—	—	—	—	—
West South Central.....	101,521	104,629	—	—	—	—	101,521	104,629
Arkansas.....	72	73	—	—	—	—	72	73
Louisiana.....	17,617	18,502	—	—	—	—	17,617	18,502
Oklahoma.....	13,739	14,265	—	—	—	—	13,739	14,265
Texas.....	70,092	71,789	—	—	—	—	70,092	71,789
Mountain.....	11,315	11,606	—	—	—	—	11,315	11,606
Arizona.....	3,324	3,387	—	—	—	—	3,324	3,387
Colorado.....	611	604	—	—	—	—	611	604
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	34	36	—	—	—	—	34	36
Nevada.....	4,191	4,374	—	—	—	—	4,191	4,374
New Mexico.....	2,871	2,907	—	—	—	—	2,871	2,907
Utah.....	279	292	—	—	—	—	279	292
Wyoming.....	5	5	—	—	—	—	5	5
Pacific Contiguous.....	20,732	21,172	—	—	—	—	20,732	21,172
California.....	17,353	17,756	—	—	—	—	17,353	17,756
Oregon.....	3,379	3,416	—	—	—	—	3,379	3,416
Washington.....	—	—	—	—	—	—	—	—
Pacific Noncontiguous.....	1,935	1,935	—	—	—	—	1,935	1,935
Alaska.....	1,935	1,935	—	—	—	—	1,935	1,935
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total.....	173,238	178,582	1,442	232	19	20	174,699	178,833

¹ Includes coke oven gas.

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

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

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

Census Division and State	December 1998 Receipts		December 1997 Receipts		Year to Date			
	(thousand Mcf)	(billion Btu)	(thousand Mcf)	(billion Btu)	Receipts (billion Btu)		Average Cost (cents/million Btu) ¹	
					1998	1997	1998	1997
New England	834	855	5,492	5,673	46,013	98,153	282.8	300.6
Connecticut.....	119	122	572	587	10,704	13,993	236.9	242.1
Maine.....	—	—	—	—	—	—	—	—
Massachusetts.....	712	729	2,313	2,400	19,095	52,454	270.1	301.0
New Hampshire.....	—	—	—	—	—	307	—	266.6
Rhode Island.....	—	—	2,603	2,681	16,024	31,364	328.5	326.4
Vermont.....	4	4	4	4	190	34	286.1	312.1
Middle Atlantic	11,022	11,349	14,710	15,080	232,590	242,561	251.8	282.2
New Jersey.....	484	504	166	171	17,127	18,587	262.0	295.1
New York.....	10,358	10,659	14,252	14,606	210,519	220,860	249.5	281.0
Pennsylvania.....	180	186	292	303	4,944	3,114	316.5	292.5
East North Central	4,603	3,457	7,560	5,912	84,716	61,172	230.1	259.7
Illinois.....	1,532	1,566	5,067	5,150	52,891	45,684	220.7	251.4
Indiana.....	107	110	47	48	4,366	2,686	280.5	316.3
Michigan.....	2,607	1,418	2,193	459	21,728	8,749	230.6	256.3
Ohio.....	31	32	43	44	1,345	737	315.9	362.9
Wisconsin.....	326	330	210	211	4,385	3,315	264.1	314.7
West North Central	2,202	2,245	2,258	2,319	43,668	29,102	224.0	267.8
Iowa.....	149	150	215	215	3,192	2,756	306.2	339.8
Kansas.....	1,666	1,705	1,825	1,884	30,267	19,610	213.5	258.4
Minnesota.....	24	24	25	26	2,194	2,778	233.8	243.6
Missouri.....	322	325	165	166	6,049	2,906	223.3	279.4
Nebraska.....	41	40	28	28	1,960	1,050	242.7	287.1
North Dakota.....	—	—	—	—	1	1	369.3	322.0
South Dakota.....	—	—	—	—	5	—	176.7	—
South Atlantic	18,223	19,190	20,103	21,039	299,133	324,150	279.2	302.9
Delaware.....	917	864	699	725	10,828	16,549	297.7	304.7
District of Columbia.....	—	—	—	—	—	—	—	—
Florida.....	16,111	17,080	18,331	19,193	253,751	288,341	276.2	304.3
Georgia.....	14	14	16	16	10,976	3,148	312.8	265.5
Maryland.....	338	352	139	145	5,220	5,065	263.2	285.3
North Carolina.....	18	19	1	1	1,969	1,265	267.9	310.7
South Carolina.....	3	3	9	9	446	201	353.4	397.6
Virginia.....	757	792	845	887	15,595	9,211	295.4	274.0
West Virginia.....	65	65	63	63	348	372	328.9	335.1
East South Central	2,312	2,397	2,036	2,094	58,787	50,822	224.5	263.4
Alabama.....	134	140	84	88	1,808	1,230	247.5	277.2
Kentucky.....	81	83	53	54	824	589	331.9	337.3
Mississippi.....	2,097	2,173	1,898	1,952	56,155	49,002	222.1	262.2
Tennessee.....	—	—	—	—	—	—	—	—
West South Central	101,521	104,629	97,946	101,827	1,759,379	1,483,702	227.0	266.7
Arkansas.....	72	73	264	272	23,073	18,001	224.0	261.9
Louisiana.....	17,617	18,502	15,059	15,632	301,932	274,322	227.4	269.3
Oklahoma.....	13,739	14,265	9,953	10,322	183,464	137,853	241.2	287.8
Texas.....	70,092	71,789	72,671	75,601	1,250,910	1,053,526	224.9	263.3
Mountain	11,315	11,606	7,121	7,262	137,533	114,156	230.8	245.5
Arizona.....	3,324	3,387	719	730	36,380	22,324	239.1	294.4
Colorado.....	611	604	210	208	3,522	2,349	300.3	317.5
Idaho.....	—	—	—	—	—	—	—	—
Montana.....	34	36	9	10	214	110	191.8	1,348.5
Nevada.....	4,191	4,374	4,006	4,119	53,550	53,680	230.2	211.9
New Mexico.....	2,871	2,907	2,163	2,180	39,563	33,313	220.0	259.2
Utah.....	279	292	—	—	4,224	2,277	202.5	203.0
Wyoming.....	5	5	15	15	80	102	796.0	875.9
Pacific Contiguous	20,732	21,172	27,933	28,549	301,739	392,832	261.5	298.0
California.....	17,353	17,756	26,025	26,620	272,503	381,727	273.0	302.2
Oregon.....	3,379	3,416	1,907	1,928	29,233	11,090	154.1	147.6
Washington.....	—	—	1	1	2	16	325.9	4,519.5
Pacific Noncontiguous	1,935	1,935	1,905	1,905	18,887	20,990	179.8	174.0
Alaska.....	1,935	1,935	1,905	1,905	18,887	20,990	179.8	174.0
Hawaii.....	—	—	—	—	—	—	—	—
U.S. Total	174,699	178,833	187,065	191,660	2,982,444	2,817,639	238.4	276.0

¹ Monetary values are expressed in nominal terms.

Notes: •Data for 1998 are preliminary. Data for 1997 are final. •Totals may not equal sum of components because of independent rounding. •Data are for electric generating plants with a total steam-electric and combined-cycle nameplate capacity of 50 or more megawatts. •Includes small quantities of coke-oven, refinery, and blast-furnace gas. •Mcf=thousand cubic feet. •Due to restructuring of the electric power industry, electric utilities are selling plants to the nonutility sector. This will affect comparisons of current and historical data.

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

Table 43. Receipts and Average Cost of Gas Delivered to Electric Utilities by Type of Purchase, Census Division, and State, December 1998

Census Division and State	Firm Gas			Interruptible Gas			Spot Gas			Total Gas		
	Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹		Receipts	Average Cost ¹	
	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)	(1,000 Mcf)	(Cents/10 ⁶ Btu)	(\$/Mcf)
New England	—	—	—	830	216.0	2.21	4	278.6	2.82	834	216.3	2.22
Connecticut.....	—	—	—	119	185.4	1.90	—	—	—	119	185.4	1.90
Maine.....	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts.....	—	—	—	711	221.1	2.27	*	229.2	2.36	712	221.1	2.27
New Hampshire.....	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island.....	—	—	—	—	—	—	—	—	—	—	—	—
Vermont.....	—	—	—	—	—	—	4	283.9	2.87	4	283.9	2.87
Middle Atlantic	1,177	391.9	3.99	7,308	214.9	2.22	2,537	243.2	2.51	11,022	240.1	2.47
New Jersey.....	—	—	—	484	234.3	2.44	*	237.2	2.48	484	234.3	2.44
New York.....	1,084	407.6	4.14	6,738	206.6	2.13	2,536	243.3	2.51	10,358	236.4	2.43
Pennsylvania.....	93	213.7	2.22	87	748.4	7.74	—	—	—	180	471.3	4.88
East North Central	186	233.0	2.37	2,865	243.8	1.43	1,552	209.9	2.14	4,603	227.7	1.71
Illinois.....	87	216.2	2.22	56	239.4	2.51	1,389	205.7	2.10	1,532	207.5	2.12
Indiana.....	—	—	—	107	325.8	3.36	—	—	—	107	325.8	3.36
Michigan.....	89	245.2	2.47	2,375	229.2	1.14	143	221.0	2.21	2,607	229.4	1.25
Ohio.....	10	273.9	2.81	1	438.7	4.39	20	426.1	4.38	31	378.4	3.88
Wisconsin.....	—	—	—	326	269.0	2.73	—	—	—	326	269.0	2.73
West North Central	37	339.2	3.40	1,915	220.5	2.25	250	277.5	2.77	2,202	228.8	2.33
Iowa.....	19	376.4	3.80	130	329.4	3.31	*	361.9	3.62	149	335.4	3.38
Kansas.....	10	226.0	2.23	1,474	209.0	2.14	182	276.1	2.76	1,666	216.3	2.21
Minnesota.....	1	1,636.0	16.74	23	279.8	2.86	—	—	—	24	335.4	3.43
Missouri.....	—	—	—	255	215.7	2.18	68	281.1	2.81	322	229.4	2.31
Nebraska.....	7	218.0	2.18	33	311.4	3.08	—	—	—	41	294.5	2.92
North Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota.....	—	—	—	—	—	—	—	—	—	—	—	—
South Atlantic	15,704	283.4	2.98	1,742	191.6	2.02	777	380.9	3.99	18,223	278.7	2.94
Delaware.....	917	354.1	3.34	—	—	—	—	—	—	917	354.1	3.34
District of Columbia.....	—	—	—	—	—	—	—	—	—	—	—	—
Florida.....	14,788	279.5	2.96	1,284	168.0	1.78	40	190.0	2.01	16,111	270.4	2.87
Georgia.....	—	—	—	14	206.2	2.11	—	—	—	14	206.2	2.11
Maryland.....	—	—	—	338	253.6	2.64	—	—	—	338	253.6	2.64
North Carolina.....	—	—	—	18	374.2	3.93	—	—	—	18	374.2	3.93
South Carolina.....	—	—	—	3	395.3	4.05	—	—	—	3	395.3	4.05
Virginia.....	—	—	—	19	134.2	1.37	738	391.3	4.10	757	384.9	4.03
West Virginia.....	—	—	—	65	302.2	3.02	—	—	—	65	302.2	3.02
East South Central	—	—	—	1,349	208.0	2.17	963	182.6	1.88	2,312	197.5	2.05
Alabama.....	—	—	—	134	257.2	2.68	—	—	—	134	257.2	2.68
Kentucky.....	—	—	—	—	—	—	81	282.7	2.90	81	282.7	2.90
Mississippi.....	—	—	—	1,215	202.6	2.11	882	173.5	1.78	2,097	190.4	1.97
Tennessee.....	—	—	—	—	—	—	—	—	—	—	—	—
West South Central	58,029	230.0	2.37	5,303	198.3	2.04	38,189	198.1	2.05	101,521	216.3	2.23
Arkansas.....	—	—	—	—	—	—	72	231.2	2.35	72	231.2	2.35
Louisiana.....	7,030	230.7	2.43	1,645	190.3	2.00	8,942	188.9	1.98	17,617	205.8	2.16
Oklahoma.....	10,894	221.1	2.30	1,179	217.4	2.24	1,666	209.5	2.17	13,739	219.4	2.28
Texas.....	40,104	232.3	2.37	2,479	194.7	1.97	27,509	200.4	2.06	70,092	218.4	2.24
Mountain	3,352	246.5	2.50	5,496	188.1	1.93	2,467	246.2	2.56	11,315	218.0	2.24
Arizona.....	1,419	237.5	2.43	1,746	228.4	2.32	158	254.3	2.61	3,324	233.6	2.38
Colorado.....	611	336.6	3.33	—	—	—	—	—	—	611	336.6	3.33
Idaho.....	—	—	—	—	—	—	—	—	—	—	—	—
Montana.....	33	136.4	1.42	1	315.1	3.69	—	—	—	34	141.8	1.48
Nevada.....	—	—	—	2,161	142.1	1.49	2,030	247.3	2.57	4,191	192.9	2.01
New Mexico.....	1,283	214.5	2.17	1,588	208.1	2.11	—	—	—	2,871	211.0	2.14
Utah.....	—	—	—	—	—	—	279	233.8	2.45	279	233.8	2.45
Wyoming.....	5	1,071.2	11.18	—	—	—	—	—	—	5	1,071.2	11.18
Pacific Contiguous	2,381	227.2	2.28	3,695	292.2	2.98	14,656	275.7	2.83	20,732	273.1	2.79
California.....	2,045	235.1	2.36	3,695	292.2	2.98	11,614	297.3	3.06	17,353	289.1	2.96
Oregon.....	336	179.2	1.81	—	—	—	3,043	191.6	1.94	3,379	190.4	1.92
Washington.....	—	—	—	—	—	—	—	—	—	—	—	—
Pacific Noncontiguous	1,935	172.2	1.72	—	—	—	—	—	—	1,935	172.2	1.72
Alaska.....	1,935	172.2	1.72	—	—	—	—	—	—	1,935	172.2	1.72
Hawaii.....	—	—	—	—	—	—	—	—	—	—	—	—
U. S. Total	82,801	241.9	2.49	30,502	216.8	2.14	61,396	223.1	2.30	174,699	231.0	2.36

¹ Monetary values are expressed in nominal terms.

* = Less than 0.05.

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

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

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

Table 44. U.S. Electric Utility Retail Sales of Electricity by Sector, 1989 Through January 1999
(Million Kilowatthours)

Period	Residential	Commercial	Industrial	Other ¹	All Sectors
1989.....	905,525	725,861	925,659	89,765	2,646,809
1990.....	924,019	751,027	945,522	91,988	2,712,555
1991.....	955,417	765,664	946,583	94,339	2,762,003
1992.....	935,939	761,271	972,714	93,442	2,763,365
1993.....	994,781	794,573	977,164	94,944	2,861,462
1994.....	1,008,482	820,269	1,007,981	97,830	2,934,563
1995.....	1,042,501	862,685	1,012,693	95,407	3,013,287
1996.....	1,082,491	887,425	1,030,356	97,539	3,097,810
1997					
January.....	106,127	76,539	83,516	8,588	274,769
February.....	90,242	70,536	81,315	8,237	250,330
March.....	81,412	70,937	82,783	7,924	243,056
April.....	72,733	69,769	83,850	7,923	234,275
May.....	70,769	71,402	86,058	8,047	236,276
June.....	83,575	80,020	88,804	8,542	260,942
July.....	109,321	89,079	88,181	9,180	295,761
August.....	106,960	86,803	90,993	9,112	293,868
September.....	94,792	84,363	89,724	9,357	278,236
October.....	84,112	80,495	88,632	9,127	262,366
November.....	79,984	72,768	84,895	8,432	246,079
December.....	95,738	75,729	83,904	8,433	263,803
Total.....	1,075,767	928,440	1,032,653	102,901	3,139,761
1998					
January.....	101,982	74,608	82,546	8,245	267,381
February.....	86,072	69,690	82,670	7,497	245,929
March.....	85,485	72,227	84,516	7,864	250,092
April.....	73,741	70,450	84,320	7,593	236,104
May.....	77,047	75,653	89,359	8,024	250,083
June.....	98,128	84,146	89,934	8,474	280,682
July.....	120,837	91,183	88,810	8,583	309,413
August.....	119,647	92,564	93,292	9,043	314,545
September.....	106,067	88,140	89,541	9,400	293,147
October.....	86,319	79,803	87,977	8,462	262,561
November.....	76,555	74,183	87,225	8,520	246,483
December.....	92,123	76,258	87,157	8,163	263,702
Total.....	1,124,004	948,904	1,047,346	99,868	3,220,121
1999					
January.....	110,691	78,321	82,535	8,150	279,696
Year to Date					
1999.....	110,691	78,321	82,535	8,150	279,696
1998.....	101,982	74,608	82,546	8,245	267,381
1997.....	106,127	76,539	83,516	8,588	274,769

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

Notes: •Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1998 have been revised and are preliminary. Values for 1997 and prior years are final. •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

Table 45. Estimated U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, January 1999 and 1998
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
New England	4,266	3,801	3,930	3,663	2,040	2,022	131	137	10,367	9,623
Connecticut.....	1,252	1,070	960	976	430	440	34	37	2,677	2,524
Maine.....	385	346	303	270	367	371	5	5	1,059	993
Massachusetts.....	1,767	1,674	1,940	1,832	792	813	60	62	4,559	4,381
New Hampshire.....	398	348	309	293	205	189	13	13	925	843
Rhode Island.....	260	154	251	144	121	72	16	16	648	386
Vermont.....	203	209	167	146	124	138	4	3	498	496
Middle Atlantic	10,624	9,943	9,975	10,054	6,743	6,959	1,339	1,401	28,681	28,358
New Jersey.....	2,187	2,036	2,603	2,503	1,074	1,091	60	50	5,924	5,680
New York.....	3,841	3,655	4,199	4,499	2,045	2,057	1,154	1,243	11,238	11,454
Pennsylvania.....	4,596	4,252	3,173	3,053	3,624	3,811	125	108	11,518	11,224
East North Central	17,250	15,319	12,486	11,866	17,797	17,338	1,241	1,306	48,774	45,829
Illinois.....	3,874	3,621	3,337	3,208	3,446	3,372	748	776	11,404	10,977
Indiana.....	3,054	2,649	1,679	1,575	3,599	3,523	52	53	8,384	7,800
Michigan.....	2,985	2,786	2,833	2,692	2,700	2,727	65	84	8,584	8,289
Ohio.....	5,432	4,411	3,165	3,047	5,888	5,662	303	327	14,787	13,448
Wisconsin.....	1,905	1,852	1,472	1,343	2,165	2,054	73	65	5,615	5,315
West North Central	8,312	7,666	5,690	5,372	6,211	6,573	476	482	20,689	20,094
Iowa.....	1,122	1,077	687	647	1,250	1,253	107	116	3,166	3,092
Kansas.....	1,009	897	965	900	758	761	35	34	2,768	2,592
Minnesota.....	1,824	1,642	982	916	2,153	2,249	65	64	5,025	4,872
Missouri.....	2,758	2,548	2,034	1,918	1,216	1,472	88	87	6,096	6,025
Nebraska.....	797	757	555	548	519	542	112	107	1,983	1,954
North Dakota.....	434	402	256	241	164	152	39	40	894	836
South Dakota.....	366	343	211	201	150	145	30	34	757	723
South Atlantic	25,880	24,178	17,640	16,747	12,111	12,503	1,739	1,591	57,370	55,019
Delaware.....	354	317	278	261	295	298	5	4	931	880
District of Columbia.....	154	142	626	616	18	25	31	32	830	815
Florida.....	7,447	7,227	5,395	5,028	1,400	1,369	454	432	14,696	14,056
Georgia.....	3,478	3,393	2,563	2,410	2,596	2,558	110	102	8,747	8,463
Maryland.....	2,438	2,156	2,074	1,937	829	841	63	71	5,404	5,005
North Carolina.....	4,694	4,372	2,692	2,640	2,292	2,562	169	167	9,848	9,741
South Carolina.....	2,450	2,224	1,346	1,254	2,296	2,386	69	72	6,161	5,936
Virginia.....	3,770	3,400	2,114	2,091	1,467	1,557	830	701	8,181	7,748
West Virginia.....	1,094	947	552	510	918	908	9	9	2,572	2,374
East South Central	10,380	9,138	3,889	3,356	10,832	10,206	464	431	25,566	23,132
Alabama.....	2,704	2,268	1,226	857	2,702	2,263	50	45	6,681	5,433
Kentucky.....	2,532	2,123	978	904	3,475	3,377	268	251	7,253	6,655
Mississippi.....	1,337	1,274	701	631	1,292	1,316	55	50	3,385	3,270
Tennessee.....	3,807	3,473	985	964	3,363	3,250	92	85	8,247	7,773
West South Central	14,108	12,683	9,015	8,494	12,730	12,700	1,450	1,392	37,304	35,270
Arkansas.....	1,349	1,206	637	596	1,234	1,238	49	50	3,269	3,090
Louisiana.....	1,992	1,873	1,317	1,259	2,630	2,620	208	200	6,147	5,952
Oklahoma.....	1,653	1,536	937	914	1,087	1,036	204	194	3,881	3,679
Texas.....	9,114	8,068	6,124	5,725	7,779	7,807	990	948	24,007	22,548
Mountain	6,366	6,285	5,205	4,927	5,349	5,522	604	642	17,524	17,375
Arizona.....	1,840	1,862	1,430	1,324	953	1,030	194	223	4,416	4,439
Colorado.....	1,411	1,284	1,420	1,317	805	817	87	83	3,724	3,501
Idaho.....	778	750	418	391	670	681	26	26	1,891	1,849
Montana.....	403	427	306	287	339	482	19	20	1,066	1,215
Nevada.....	681	667	435	401	819	771	66	78	2,002	1,916
New Mexico.....	447	475	435	458	495	520	109	108	1,486	1,561
Utah.....	554	576	538	526	683	688	65	66	1,841	1,856
Wyoming.....	252	243	223	224	584	532	38	38	1,098	1,037
Pacific Contiguous	13,059	12,533	10,048	9,700	8,340	8,342	683	841	32,130	31,417
California.....	6,984	6,703	6,703	6,459	4,660	4,614	281	441	18,628	18,216
Oregon.....	2,203	2,084	1,245	1,201	1,092	1,205	61	59	4,602	4,548
Washington.....	3,872	3,746	2,100	2,040	2,588	2,524	341	342	8,900	8,652
Pacific Noncontiguous	444	436	443	429	382	381	23	20	1,291	1,266
Alaska.....	207	204	223	216	77	70	18	15	525	505
Hawaii.....	237	232	220	213	305	310	5	5	766	761
U.S. Total	110,691	101,982	78,321	74,608	82,535	82,546	8,150	8,245	279,696	267,381

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

Notes: •Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1998 have been revised and are preliminary. •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

Table 46. Estimated Coefficients of Variation for U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division and State, January 1999
(Percent)

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.6	0.9	1.1	2.1	0.6
Connecticut.....	.4	.3	.6	.4	.4
Maine.....	.2	3.7	3.2	14.5	.1
Massachusetts.....	1.5	1.7	1.8	4.5	1.4
New Hampshire.....	.2	.2	4.5	3.4	1.0
Rhode Island.....	.1	.3	.9	.6	.4
Vermont.....	3.0	2.6	6.7	3.8	.8
Middle Atlantic	1.2	1.6	1.9	2.5	1.1
New Jersey.....	.7	.1	.6	1.8	.4
New York.....	2.9	3.6	2.8	2.8	2.6
Pennsylvania.....	1.1	1.8	3.2	1.3	1.0
East North Central	.9	.8	1.6	1.2	.6
Illinois.....	1.5	.2	2.1	.0	.4
Indiana.....	2.0	.5	2.6	4.8	2.3
Michigan.....	.2	3.3	8.7	9.6	.3
Ohio.....	1.9	.7	2.1	4.1	1.5
Wisconsin.....	4.0	.4	1.0	5.0	1.4
West North Central	1.1	1.0	.8	4.0	.5
Iowa.....	.5	1.6	1.9	.6	.8
Kansas.....	1.2	.9	2.0	10.1	1.3
Minnesota.....	3.4	5.3	1.8	3.1	1.2
Missouri.....	2.0	.5	1.0	2.4	1.0
Nebraska.....	3.5	1.7	2.5	16.3	2.0
North Dakota.....	2.1	5.3	4.4	4.3	1.8
South Dakota.....	1.9	3.1	4.2	5.9	1.8
South Atlantic	.6	.4	.8	.7	.4
Delaware.....	.4	.4	1.3	1.5	.7
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	.7	.9	1.4	1.2	.1
Georgia.....	1.8	.9	1.1	1.7	1.1
Maryland.....	.9	1.3	.5	7.6	.6
North Carolina.....	1.2	1.5	.8	5.5	.3
South Carolina.....	1.9	1.1	3.7	2.5	2.1
Virginia.....	2.9	.7	2.3	.5	1.6
West Virginia.....	.4	1.1	.2	5.5	.5
East South Central	2.1	1.5	2.1	3.5	1.5
Alabama.....	2.1	3.6	.7	3.5	1.7
Kentucky.....	5.0	1.0	6.2	.8	4.1
Mississippi.....	2.4	1.8	2.4	1.8	1.5
Tennessee.....	4.2	3.9	1.5	17.3	2.5
West South Central	2.4	.8	1.0	1.1	.7
Arkansas.....	2.0	.7	2.5	2.8	1.2
Louisiana.....	1.7	1.3	2.8	1.8	2.5
Oklahoma.....	1.8	3.9	.6	6.4	1.6
Texas.....	3.7	.9	1.3	.7	.9
Mountain	.5	.8	1.1	4.5	.6
Arizona.....	.7	1.5	2.2	8.6	1.0
Colorado.....	.9	1.3	.8	16.2	.4
Idaho.....	.6	4.0	2.7	15.8	1.1
Montana.....	5.4	7.3	14.2	2.8	8.1
Nevada.....	2.3	.5	1.4	1.8	1.1
New Mexico.....	.3	.9	1.7	.8	.9
Utah.....	.4	1.3	.9	2.6	.8
Wyoming.....	3.4	5.5	1.4	39.7	3.3
Pacific Contiguous	1.8	.4	2.8	5.7	2.1
California.....	3.3	.5	1.3	12.6	1.2
Oregon.....	.2	1.1	5.4	9.3	2.9
Washington.....	.7	.5	8.3	4.3	7.2
Pacific Noncontiguous	.4	.3	3.2	3.1	1.0
Alaska.....	.7	.5	15.6	3.9	2.3
Hawaii.....	.5	.3	.6	.2	.6
U.S. Average	.5	.3	.6	.8	.3

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

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

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

Table 47. Estimated U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1999 and 1998
(Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
New England	4,266	3,801	3,930	3,663	2,040	2,022	131	137	10,367	9,623
Connecticut.....	1,252	1,070	960	976	430	440	34	37	2,677	2,524
Maine.....	385	346	303	270	367	371	5	5	1,059	993
Massachusetts.....	1,767	1,674	1,940	1,832	792	813	60	62	4,559	4,381
New Hampshire.....	398	348	309	293	205	189	13	13	925	843
Rhode Island.....	260	154	251	144	121	72	16	16	648	386
Vermont.....	203	209	167	146	124	138	4	3	498	496
Middle Atlantic	10,624	9,943	9,975	10,054	6,743	6,959	1,339	1,401	28,681	28,358
New Jersey.....	2,187	2,036	2,603	2,503	1,074	1,091	60	50	5,924	5,680
New York.....	3,841	3,655	4,199	4,499	2,045	2,057	1,154	1,243	11,238	11,454
Pennsylvania.....	4,596	4,252	3,173	3,053	3,624	3,811	125	108	11,518	11,224
East North Central	17,250	15,319	12,486	11,866	17,797	17,338	1,241	1,306	48,774	45,829
Illinois.....	3,874	3,621	3,337	3,208	3,446	3,372	748	776	11,404	10,977
Indiana.....	3,054	2,649	1,679	1,575	3,599	3,523	52	53	8,384	7,800
Michigan.....	2,985	2,786	2,833	2,692	2,700	2,727	65	84	8,584	8,289
Ohio.....	5,432	4,411	3,165	3,047	5,888	5,662	303	327	14,787	13,448
Wisconsin.....	1,905	1,852	1,472	1,343	2,165	2,054	73	65	5,615	5,315
West North Central	8,312	7,666	5,690	5,372	6,211	6,573	476	482	20,689	20,094
Iowa.....	1,122	1,077	687	647	1,250	1,253	107	116	3,166	3,092
Kansas.....	1,009	897	965	900	758	761	35	34	2,768	2,592
Minnesota.....	1,824	1,642	982	916	2,153	2,249	65	64	5,025	4,872
Missouri.....	2,758	2,548	2,034	1,918	1,216	1,472	88	87	6,096	6,025
Nebraska.....	797	757	555	548	519	542	112	107	1,983	1,954
North Dakota.....	434	402	256	241	164	152	39	40	894	836
South Dakota.....	366	343	211	201	150	145	30	34	757	723
South Atlantic	25,880	24,178	17,640	16,747	12,111	12,503	1,739	1,591	57,370	55,019
Delaware.....	354	317	278	261	295	298	5	4	931	880
District of Columbia.....	154	142	626	616	18	25	31	32	830	815
Florida.....	7,447	7,227	5,395	5,028	1,400	1,369	454	432	14,696	14,056
Georgia.....	3,478	3,393	2,563	2,410	2,596	2,558	110	102	8,747	8,463
Maryland.....	2,438	2,156	2,074	1,937	829	841	63	71	5,404	5,005
North Carolina.....	4,694	4,372	2,692	2,640	2,292	2,562	169	167	9,848	9,741
South Carolina.....	2,450	2,224	1,346	1,254	2,296	2,386	69	72	6,161	5,936
Virginia.....	3,770	3,400	2,114	2,091	1,467	1,557	830	701	8,181	7,748
West Virginia.....	1,094	947	552	510	918	908	9	9	2,572	2,374
East South Central	10,380	9,138	3,889	3,356	10,832	10,206	464	431	25,566	23,132
Alabama.....	2,704	2,268	1,226	857	2,702	2,263	50	45	6,681	5,433
Kentucky.....	2,532	2,123	978	904	3,475	3,377	268	251	7,253	6,655
Mississippi.....	1,337	1,274	701	631	1,292	1,316	55	50	3,385	3,270
Tennessee.....	3,807	3,473	985	964	3,363	3,250	92	85	8,247	7,773
West South Central	14,108	12,683	9,015	8,494	12,730	12,700	1,450	1,392	37,304	35,270
Arkansas.....	1,349	1,206	637	596	1,234	1,238	49	50	3,269	3,090
Louisiana.....	1,992	1,873	1,317	1,259	2,630	2,620	208	200	6,147	5,952
Oklahoma.....	1,653	1,536	937	914	1,087	1,036	204	194	3,881	3,679
Texas.....	9,114	8,068	6,124	5,725	7,779	7,807	990	948	24,007	22,548
Mountain	6,366	6,285	5,205	4,927	5,349	5,522	604	642	17,524	17,375
Arizona.....	1,840	1,862	1,430	1,324	953	1,030	194	223	4,416	4,439
Colorado.....	1,411	1,284	1,420	1,317	805	817	87	83	3,724	3,501
Idaho.....	778	750	418	391	670	681	26	26	1,891	1,849
Montana.....	403	427	306	287	339	482	19	20	1,066	1,215
Nevada.....	681	667	435	401	819	771	66	78	2,002	1,916
New Mexico.....	447	475	435	458	495	520	109	108	1,486	1,561
Utah.....	554	576	538	526	683	688	65	66	1,841	1,856
Wyoming.....	252	243	223	224	584	532	38	38	1,098	1,037
Pacific Contiguous	13,059	12,533	10,048	9,700	8,340	8,342	683	841	32,130	31,417
California.....	6,984	6,703	6,703	6,459	4,660	4,614	281	441	18,628	18,216
Oregon.....	2,203	2,084	1,245	1,201	1,092	1,205	61	59	4,602	4,548
Washington.....	3,872	3,746	2,100	2,040	2,588	2,524	341	342	8,900	8,652
Pacific Noncontiguous	444	436	443	429	382	381	23	20	1,291	1,266
Alaska.....	207	204	223	216	77	70	18	15	525	505
Hawaii.....	237	232	220	213	305	310	5	5	766	761
U.S. Total	110,691	101,982	78,321	74,608	82,535	82,546	8,150	8,245	279,696	267,381

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

Notes: *Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1998 have been revised and are preliminary. *Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. *Totals may not equal sum of components because of independent rounding.

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

Table 48. Revenue from U.S. Electric Utility Retail Sales of Electricity to Ultimate Consumers by Sector, 1989 Through January 1999
(Million Dollars)

Period	Residential	Commercial	Industrial	Other ¹	All Sectors
1989	69,240	52,228	43,719	5,609	170,797
1990	72,378	55,117	44,857	5,891	178,243
1991	76,828	57,655	45,737	6,138	186,359
1992	76,848	58,343	46,993	6,296	188,480
1993	82,814	61,521	47,357	6,528	198,220
1994	84,552	63,396	48,069	6,689	202,706
1995	87,610	66,365	47,175	6,567	207,717
1996	90,501	67,827	47,385	6,741	212,455
1997					
January.....	8,350	5,561	3,682	584	18,176
February.....	7,201	5,208	3,584	554	16,547
March.....	6,709	5,281	3,650	556	16,195
April.....	6,094	5,161	3,629	544	15,429
May.....	6,123	5,412	3,780	563	15,878
June.....	7,449	6,309	4,096	611	18,466
July.....	9,556	7,005	4,251	626	21,438
August.....	9,409	6,864	4,334	645	21,251
September.....	8,292	6,627	4,243	657	19,819
October.....	7,223	6,165	4,085	631	18,104
November.....	6,597	5,408	3,777	572	16,355
December.....	7,689	5,481	3,661	567	17,399
Total	90,694	70,482	46,772	7,110	215,059
1998					
January.....	8,042	5,399	3,622	539	17,601
February.....	6,876	5,090	3,580	510	16,056
March.....	6,858	5,270	3,681	542	16,351
April.....	6,070	5,159	3,646	521	15,396
May.....	6,551	5,651	3,962	550	16,714
June.....	8,371	6,414	4,199	593	19,577
July.....	10,393	7,029	4,332	602	22,356
August.....	10,271	7,119	4,482	621	22,493
September.....	8,961	6,671	4,157	632	20,421
October.....	7,134	5,955	3,912	586	17,587
November.....	6,169	5,287	3,791	534	15,781
December.....	7,310	5,435	3,764	560	17,069
Total	93,005	70,478	47,129	6,790	217,401
1999					
January.....	8,406	5,434	3,528	543	17,910
Year to Date					
1999	8,406	5,434	3,528	543	17,910
1998	8,042	5,399	3,622	539	17,601
1997	8,350	5,561	3,682	584	18,176

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

Notes: •Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1998 have been revised and are preliminary. Values for 1997 and prior years are final. •Values for 1996 in the commercial and industrial sectors for Maryland, the South Atlantic Census Division, and the U.S. Total reflect an electric utility's reclassification for this information by Standard Industrial Classification Code (SIC). •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

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

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
New England	467	439	360	367	151	167	16	17	995	991
Connecticut.....	141	126	91	96	31	35	4	5	267	262
Maine.....	51	45	36	32	28	29	1	1	117	107
Massachusetts.....	169	177	157	173	55	69	7	8	388	427
New Hampshire.....	55	44	35	33	18	17	1	2	109	96
Rhode Island.....	25	19	21	16	8	7	2	1	56	42
Vermont.....	27	28	20	17	10	11	1	1	58	57
Middle Atlantic	1,152	1,122	946	1,006	363	404	118	113	2,579	2,646
New Jersey.....	241	231	252	247	83	87	9	7	585	572
New York.....	517	508	462	519	95	104	96	93	1,169	1,224
Pennsylvania.....	394	383	232	240	185	214	13	13	824	850
East North Central	1,301	1,244	864	840	780	760	79	86	3,024	2,930
Illinois.....	288	349	221	236	164	164	44	49	717	797
Indiana.....	203	180	103	96	142	140	4	4	453	420
Michigan.....	260	237	222	205	138	134	7	8	626	584
Ohio.....	413	351	232	225	251	245	19	21	914	842
Wisconsin.....	136	128	87	78	85	77	5	4	313	287
West North Central	523	491	312	297	249	255	29	27	1,113	1,069
Iowa.....	84	84	39	41	44	48	8	7	175	179
Kansas.....	68	63	58	54	33	33	3	3	162	153
Minnesota.....	125	112	57	53	94	91	4	4	281	260
Missouri.....	155	147	103	97	46	52	5	5	310	301
Nebraska.....	42	40	27	26	18	18	6	5	92	90
North Dakota.....	25	23	15	13	7	6	2	2	48	44
South Dakota.....	24	23	13	12	6	6	1	1	45	42
South Atlantic	1,888	1,800	1,084	1,051	487	510	106	102	3,566	3,463
Delaware.....	29	27	18	18	13	14	1	1	61	59
District of Columbia.....	11	10	37	39	1	1	2	2	50	53
Florida.....	596	575	350	323	69	67	30	30	1,045	996
Georgia.....	226	230	162	169	94	96	9	9	491	504
Maryland.....	178	158	122	112	32	32	6	6	337	308
North Carolina.....	358	336	166	162	105	119	12	12	640	630
South Carolina.....	172	162	83	78	81	84	4	4	340	329
Virginia.....	254	244	116	122	58	62	42	38	471	466
West Virginia.....	65	57	30	28	34	34	1	1	131	119
East South Central	612	554	230	213	400	386	27	26	1,269	1,180
Alabama.....	168	142	76	64	97	90	4	3	344	299
Kentucky.....	129	114	48	45	101	96	11	11	289	266
Mississippi.....	80	84	43	43	50	54	4	5	178	185
Tennessee.....	234	214	63	61	153	146	8	7	458	429
West South Central	922	858	567	547	495	507	88	84	2,072	1,996
Arkansas.....	87	83	34	33	46	46	3	3	170	165
Louisiana.....	130	137	83	89	100	118	12	13	326	357
Oklahoma.....	90	83	44	42	38	34	8	8	180	167
Texas.....	614	554	406	382	311	309	64	61	1,396	1,307
Mountain	447	441	311	305	213	212	31	33	1,001	992
Arizona.....	137	141	93	95	52	48	8	10	290	295
Colorado.....	101	93	77	73	35	35	7	7	220	208
Idaho.....	41	37	19	17	18	17	1	1	79	72
Montana.....	28	28	18	18	13	18	2	1	60	66
Nevada.....	49	46	29	26	34	30	2	3	114	104
New Mexico.....	38	42	34	36	21	24	6	6	99	108
Utah.....	38	39	30	28	22	22	3	3	92	93
Wyoming.....	15	15	12	12	19	18	1	1	47	46
Pacific Contiguous	1,042	1,037	711	724	356	383	46	47	2,156	2,190
California.....	715	728	543	562	244	268	30	30	1,533	1,588
Oregon.....	124	116	61	60	35	40	3	3	223	219
Washington.....	203	193	108	103	76	74	13	14	400	383
Pacific Noncontiguous	52	57	46	48	33	37	3	3	135	145
Alaska.....	22	23	20	20	6	5	2	2	50	51
Hawaii.....	30	34	27	28	28	32	1	1	85	94
U.S. Total	8,406	8,042	5,434	5,399	3,528	3,622	543	539	17,910	17,601

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

Notes: •Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1998 have been revised and are preliminary. •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

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

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.4	0.9	1.6	1.2	0.4
Connecticut.....	.5	.4	.8	.4	.5
Maine.....	.2	2.8	4.5	6.8	.1
Massachusetts.....	.8	1.8	2.1	2.5	.7
New Hampshire.....	1.0	2.0	4.8	.3	1.7
Rhode Island.....	.6	.2	.0	.8	.2
Vermont.....	3.0	2.9	12.7	5.5	2.6
Middle Atlantic	2.2	2.5	2.4	2.4	2.1
New Jersey.....	.4	.1	.6	1.4	.3
New York.....	4.2	5.0	1.7	3.0	4.0
Pennsylvania.....	3.4	1.7	4.5	.4	3.1
East North Central	.8	.9	1.8	1.3	.6
Illinois.....	.7	.3	1.9	.2	.5
Indiana.....	3.6	1.0	3.4	3.4	3.1
Michigan.....	.6	3.4	8.8	5.4	1.1
Ohio.....	1.8	.8	1.8	4.7	.9
Wisconsin.....	1.4	2.5	2.3	3.5	1.0
West North Central	1.1	.9	1.1	4.6	.6
Iowa.....	.8	2.9	2.3	5.4	1.8
Kansas.....	1.1	1.2	2.7	7.8	1.6
Minnesota.....	3.0	3.8	1.8	3.1	.6
Missouri.....	2.8	.7	3.5	8.8	1.8
Nebraska.....	2.9	1.2	2.1	20.6	.9
North Dakota.....	1.4	5.2	3.6	3.3	1.6
South Dakota.....	2.2	1.9	2.2	4.0	1.4
South Atlantic	.7	.9	1.0	1.0	.7
Delaware.....	.2	.3	.7	1.3	.3
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	.3	2.0	3.4	2.2	1.0
Georgia.....	4.1	2.6	.9	2.2	3.5
Maryland.....	1.5	2.5	.9	2.7	1.3
North Carolina.....	.6	1.5	.9	6.3	.6
South Carolina.....	.8	2.5	4.3	1.1	2.9
Virginia.....	3.8	1.2	3.3	.3	2.4
West Virginia.....	.4	1.3	.3	3.0	.5
East South Central	2.7	2.4	2.0	3.1	1.9
Alabama.....	5.4	5.3	4.4	2.0	4.5
Kentucky.....	5.7	1.7	5.6	.9	3.0
Mississippi.....	7.4	4.8	4.1	6.3	4.9
Tennessee.....	4.2	4.9	2.1	10.2	3.0
West South Central	2.0	1.6	2.1	1.4	.9
Arkansas.....	4.0	3.1	6.4	5.8	4.6
Louisiana.....	1.3	1.5	1.0	6.2	1.2
Oklahoma.....	1.0	4.9	.2	7.8	1.9
Texas.....	3.0	2.2	3.2	.9	1.1
Mountain	.7	.7	1.5	2.5	.7
Arizona.....	1.9	1.5	3.4	5.1	.9
Colorado.....	.9	1.1	2.0	4.2	1.8
Idaho.....	1.4	3.1	4.9	11.1	1.8
Montana.....	1.2	5.7	9.3	4.8	3.4
Nevada.....	2.0	.5	3.8	4.9	2.0
New Mexico.....	2.6	1.3	7.1	7.4	2.9
Utah.....	.5	1.0	.6	1.8	.4
Wyoming.....	4.4	5.2	.7	21.8	3.4
Pacific Contiguous	2.3	2.1	3.0	14.5	1.9
California.....	3.3	2.8	2.8	21.9	2.2
Oregon.....	2.0	2.4	3.2	7.1	1.5
Washington.....	2.3	1.4	10.7	7.6	6.1
Pacific Noncontiguous	1.5	1.1	3.2	5.2	1.4
Alaska.....	1.1	1.7	15.8	6.5	1.7
Hawaii.....	2.5	1.4	2.1	1.1	2.1
U.S. Average	.6	.6	.7	1.4	.4

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

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

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

Table 51. Estimated Revenue from U.S. Electric Utility Retail Sales to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1999 and 1998
(Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
New England	467	439	360	367	151	167	16	17	995	991
Connecticut.....	141	126	91	96	31	35	4	5	267	262
Maine.....	51	45	36	32	28	29	1	1	117	107
Massachusetts.....	169	177	157	173	55	69	7	8	388	427
New Hampshire.....	55	44	35	33	18	17	1	2	109	96
Rhode Island.....	25	19	21	16	8	7	2	1	56	42
Vermont.....	27	28	20	17	10	11	1	1	58	57
Middle Atlantic	1,152	1,122	946	1,006	363	404	118	113	2,579	2,646
New Jersey.....	241	231	252	247	83	87	9	7	585	572
New York.....	517	508	462	519	95	104	96	93	1,169	1,224
Pennsylvania.....	394	383	232	240	185	214	13	13	824	850
East North Central	1,301	1,244	864	840	780	760	79	86	3,024	2,930
Illinois.....	288	349	221	236	164	164	44	49	717	797
Indiana.....	203	180	103	96	142	140	4	4	453	420
Michigan.....	260	237	222	205	138	134	7	8	626	584
Ohio.....	413	351	232	225	251	245	19	21	914	842
Wisconsin.....	136	128	87	78	85	77	5	4	313	287
West North Central	523	491	312	297	249	255	29	27	1,113	1,069
Iowa.....	84	84	39	41	44	48	8	7	175	179
Kansas.....	68	63	58	54	33	33	3	3	162	153
Minnesota.....	125	112	57	53	94	91	4	4	281	260
Missouri.....	155	147	103	97	46	52	5	5	310	301
Nebraska.....	42	40	27	26	18	18	6	5	92	90
North Dakota.....	25	23	15	13	7	6	2	2	48	44
South Dakota.....	24	23	13	12	6	6	1	1	45	42
South Atlantic	1,888	1,800	1,084	1,051	487	510	106	102	3,566	3,463
Delaware.....	29	27	18	18	13	14	1	1	61	59
District of Columbia.....	11	10	37	39	1	1	2	2	50	53
Florida.....	596	575	350	323	69	67	30	30	1,045	996
Georgia.....	226	230	162	169	94	96	9	9	491	504
Maryland.....	178	158	122	112	32	32	6	6	337	308
North Carolina.....	358	336	166	162	105	119	12	12	640	630
South Carolina.....	172	162	83	78	81	84	4	4	340	329
Virginia.....	254	244	116	122	58	62	42	38	471	466
West Virginia.....	65	57	30	28	34	34	1	1	131	119
East South Central	612	554	230	213	400	386	27	26	1,269	1,180
Alabama.....	168	142	76	64	97	90	4	3	344	299
Kentucky.....	129	114	48	45	101	96	11	11	289	266
Mississippi.....	80	84	43	43	50	54	4	5	178	185
Tennessee.....	234	214	63	61	153	146	8	7	458	429
West South Central	922	858	567	547	495	507	88	84	2,072	1,996
Arkansas.....	87	83	34	33	46	46	3	3	170	165
Louisiana.....	130	137	83	89	100	118	12	13	326	357
Oklahoma.....	90	83	44	42	38	34	8	8	180	167
Texas.....	614	554	406	382	311	309	64	61	1,396	1,307
Mountain	447	441	311	305	213	212	31	33	1,001	992
Arizona.....	137	141	93	95	52	48	8	10	290	295
Colorado.....	101	93	77	73	35	35	7	7	220	208
Idaho.....	41	37	19	17	18	17	1	1	79	72
Montana.....	28	28	18	18	13	18	2	1	60	66
Nevada.....	49	46	29	26	34	30	2	3	114	104
New Mexico.....	38	42	34	36	21	24	6	6	99	108
Utah.....	38	39	30	28	22	22	3	3	92	93
Wyoming.....	15	15	12	12	19	18	1	1	47	46
Pacific Contiguous	1,042	1,037	711	724	356	383	46	47	2,156	2,190
California.....	715	728	543	562	244	268	30	30	1,533	1,588
Oregon.....	124	116	61	60	35	40	3	3	223	219
Washington.....	203	193	108	103	76	74	13	14	400	383
Pacific Noncontiguous	52	57	46	48	33	37	3	3	135	145
Alaska.....	22	23	20	20	6	5	2	2	50	51
Hawaii.....	30	34	27	28	28	32	1	1	85	94
U.S. Total	8,406	8,042	5,434	5,399	3,528	3,622	543	539	17,910	17,601

¹ Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.
Notes: •Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1998 have been revised and are preliminary. •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions."

**Table 52. U.S. Electric Utility Average Revenue per Kilowatthour by Sector,
1989 Through January 1999**
(Cents)

Period	Residential	Commercial	Industrial	Other ¹	All Sectors
1989	7.65	7.20	4.72	6.25	6.45
1990	7.83	7.34	4.74	6.40	6.57
1991	8.04	7.53	4.83	6.51	6.75
1992	8.21	7.66	4.83	6.74	6.82
1993	8.32	7.74	4.85	6.88	6.93
1994	8.38	7.73	4.77	6.84	6.91
1995	8.40	7.69	4.66	6.88	6.89
1996	8.36	7.64	4.60	6.91	6.86
1997					
January.....	7.87	7.27	4.41	6.79	6.62
February.....	7.98	7.38	4.41	6.73	6.61
March.....	8.24	7.44	4.41	7.01	6.66
April.....	8.38	7.40	4.33	6.87	6.59
May.....	8.65	7.58	4.39	7.00	6.72
June.....	8.91	7.88	4.61	7.16	7.08
July.....	8.74	7.86	4.82	6.82	7.25
August.....	8.80	7.91	4.76	7.07	7.23
September.....	8.75	7.86	4.73	7.02	7.12
October.....	8.59	7.66	4.61	6.91	6.90
November.....	8.25	7.43	4.45	6.79	6.65
December.....	8.03	7.24	4.36	6.73	6.60
Average.....	8.43	7.59	4.53	6.91	6.85
1998					
January.....	7.89	7.24	4.39	6.53	6.58
February.....	7.99	7.30	4.33	6.80	6.53
March.....	8.02	7.30	4.36	6.89	6.54
April.....	8.23	7.32	4.32	6.86	6.52
May.....	8.50	7.47	4.43	6.86	6.68
June.....	8.53	7.62	4.67	7.00	6.97
July.....	8.60	7.71	4.88	7.01	7.23
August.....	8.58	7.69	4.80	6.86	7.15
September.....	8.45	7.57	4.64	6.73	6.97
October.....	8.27	7.46	4.45	6.93	6.70
November.....	8.06	7.13	4.35	6.27	6.40
December.....	7.94	7.13	4.32	6.86	6.47
Average.....	8.27	7.43	4.50	6.80	6.75
1999					
January.....	7.59	6.94	4.27	6.66	6.40
Year-to-Date Average					
1999 Average.....	7.59	6.94	4.27	6.66	6.40
1998 Average.....	7.89	7.24	4.39	6.53	6.58
1997 Average.....	7.87	7.27	4.41	6.79	6.62

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

Notes: •Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1998 have been revised and are preliminary. Values for 1997 and prior years are final. •Values for 1996 in the commercial and industrial sectors for Maryland, the South Atlantic Census Division, and the U.S. Total reflect an electric utility's reclassification for this information by Standard Industrial Classification Code (SIC). •Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. •Totals may not equal sum of components because of independent rounding.

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

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

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
New England	10.9	11.5	9.2	10.0	7.4	8.3	12.5	12.6	9.6	10.3
Connecticut.....	11.2	11.7	9.5	9.9	7.1	7.9	12.8	12.7	10.0	10.4
Maine.....	13.2	12.9	12.0	11.8	7.7	7.8	26.5	23.8	11.0	10.8
Massachusetts.....	9.5	10.6	8.1	9.4	7.0	8.5	11.8	13.4	8.5	9.7
New Hampshire.....	13.8	12.8	11.2	11.3	8.9	8.8	11.1	11.7	11.8	11.4
Rhode Island.....	9.7	12.3	8.3	11.0	6.9	9.2	11.3	6.2	8.6	11.0
Vermont.....	13.3	13.3	12.0	11.7	8.4	8.3	14.5	14.5	11.7	11.4
Middle Atlantic	10.8	11.3	9.5	10.0	5.4	5.8	8.8	8.1	9.0	9.3
New Jersey.....	11.0	11.3	9.7	9.9	7.7	7.9	15.0	14.8	9.9	10.1
New York.....	13.5	13.9	11.0	11.5	4.6	5.0	8.3	7.5	10.4	10.7
Pennsylvania.....	8.6	9.0	7.3	7.9	5.1	5.6	10.4	11.8	7.2	7.6
East North Central	7.5	8.1	6.9	7.1	4.4	4.4	6.3	6.6	6.2	6.4
Illinois.....	7.4	9.6	6.6	7.4	4.8	4.9	5.9	6.3	6.3	7.3
Indiana.....	6.6	6.8	6.1	6.1	4.0	4.0	8.4	8.5	5.4	5.4
Michigan.....	8.7	8.5	7.8	7.6	5.1	4.9	10.1	9.7	7.3	7.0
Ohio.....	7.6	7.9	7.3	7.4	4.3	4.3	6.2	6.4	6.2	6.3
Wisconsin.....	7.2	6.9	5.9	5.8	3.9	3.7	7.0	6.3	5.6	5.4
West North Central	6.3	6.4	5.5	5.5	4.0	3.9	6.0	5.5	5.4	5.3
Iowa.....	7.5	7.8	5.7	6.3	3.5	3.8	7.3	5.8	5.5	5.8
Kansas.....	6.8	7.0	6.0	6.1	4.4	4.4	8.7	7.5	5.9	5.9
Minnesota.....	6.9	6.8	5.8	5.8	4.4	4.0	6.9	6.8	5.6	5.3
Missouri.....	5.6	5.8	5.1	5.0	3.8	3.5	5.6	5.7	5.1	5.0
Nebraska.....	5.2	5.3	4.9	4.8	3.4	3.3	5.0	4.9	4.6	4.6
North Dakota.....	5.7	5.6	5.7	5.5	4.3	4.2	3.9	3.9	5.4	5.3
South Dakota.....	6.7	6.6	6.2	6.2	4.3	4.1	4.3	3.6	6.0	5.9
South Atlantic	7.3	7.4	6.1	6.3	4.0	4.1	6.1	6.4	6.2	6.3
Delaware.....	8.2	8.5	6.5	6.8	4.5	4.7	13.4	13.1	6.5	6.7
District of Columbia.....	6.8	7.2	5.9	6.4	3.8	3.9	6.1	6.6	6.1	6.5
Florida.....	8.0	8.0	6.5	6.4	4.9	4.9	6.6	6.9	7.1	7.1
Georgia.....	6.5	6.8	6.3	7.0	3.6	3.8	8.3	8.8	5.6	6.0
Maryland.....	7.3	7.3	5.9	5.8	3.9	3.8	9.0	8.0	6.2	6.2
North Carolina.....	7.6	7.7	6.2	6.2	4.6	4.7	7.0	6.9	6.5	6.5
South Carolina.....	7.0	7.3	6.2	6.2	3.5	3.5	5.9	6.0	5.5	5.5
Virginia.....	6.7	7.2	5.5	5.8	3.9	4.0	5.1	5.4	5.8	6.0
West Virginia.....	6.0	6.0	5.5	5.4	3.7	3.7	8.0	8.0	5.1	5.0
East South Central	5.9	6.1	5.9	6.4	3.7	3.8	5.7	6.1	5.0	5.1
Alabama.....	6.2	6.2	6.2	7.5	3.6	4.0	7.4	7.5	5.2	5.5
Kentucky.....	5.1	5.4	5.0	5.0	2.9	2.8	4.2	4.5	4.0	4.0
Mississippi.....	6.0	6.6	6.2	6.8	3.9	4.1	7.6	9.1	5.2	5.7
Tennessee.....	6.2	6.2	6.4	6.3	4.6	4.5	8.3	8.3	5.5	5.5
West South Central	6.5	6.8	6.3	6.4	3.9	4.0	6.0	6.1	5.5	5.7
Arkansas.....	6.5	6.9	5.3	5.5	3.8	3.7	5.8	6.7	5.2	5.3
Louisiana.....	6.5	7.3	6.3	7.1	3.8	4.5	5.9	6.3	5.3	6.0
Oklahoma.....	5.4	5.4	4.7	4.6	3.5	3.2	4.2	4.1	4.6	4.5
Texas.....	6.7	6.9	6.6	6.7	4.0	4.0	6.5	6.4	5.8	5.8
Mountain	7.0	7.0	6.0	6.2	4.0	3.8	5.0	5.1	5.7	5.7
Arizona.....	7.5	7.6	6.5	7.2	5.4	4.7	4.3	4.7	6.6	6.6
Colorado.....	7.2	7.3	5.4	5.5	4.3	4.2	7.7	8.2	5.9	5.9
Idaho.....	5.3	5.0	4.5	4.3	2.7	2.5	4.9	4.6	4.2	3.9
Montana.....	6.9	6.7	5.9	6.3	3.7	3.8	7.9	7.5	5.6	5.4
Nevada.....	7.1	6.9	6.7	6.5	4.1	3.9	3.6	3.2	5.7	5.4
New Mexico.....	8.5	8.8	7.8	7.9	4.2	4.6	5.6	5.9	6.7	6.9
Utah.....	6.8	6.8	5.6	5.4	3.3	3.3	4.2	4.2	5.0	5.0
Wyoming.....	5.9	6.0	5.3	5.2	3.3	3.4	3.6	3.5	4.3	4.4
Pacific Contiguous	8.0	8.3	7.1	7.5	4.3	4.6	6.8	5.5	6.7	7.0
California.....	10.2	10.9	8.1	8.7	5.2	5.8	10.8	6.8	8.2	8.7
Oregon.....	5.6	5.6	4.9	5.0	3.2	3.3	5.0	5.0	4.9	4.8
Washington.....	5.2	5.2	5.1	5.0	3.0	2.9	3.8	4.0	4.5	4.4
Pacific Noncontiguous	11.7	13.0	10.5	11.2	8.7	9.7	13.0	14.1	10.4	11.4
Alaska.....	10.8	11.3	8.8	9.2	7.2	7.7	13.3	14.4	9.5	10.0
Hawaii.....	12.6	14.5	12.2	13.2	9.1	10.2	12.0	13.0	11.1	12.4
U.S. Average	7.59	7.89	6.94	7.24	4.27	4.39	6.66	6.53	6.40	6.58

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

Notes: *Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1998 have been revised and are preliminary. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. *Totals may not equal sum of components because of independent rounding.

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

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

Census Division and State	Residential	Commercial	Industrial	Other ¹	All Sectors
New England	0.9	0.3	0.6	1.5	0.4
Connecticut.....	.0	.1	.3	.7	.1
Maine.....	.1	1.0	1.3	7.3	.0
Massachusetts.....	2.2	.4	.8	3.2	.7
New Hampshire.....	1.1	2.0	.3	3.7	.7
Rhode Island.....	.7	.5	.9	.2	.7
Vermont.....	1.2	1.7	6.3	6.8	1.9
Middle Atlantic	1.2	1.3	2.1	.2	1.3
New Jersey.....	.4	.0	.1	.5	.2
New York.....	1.4	1.5	1.4	.3	1.7
Pennsylvania.....	2.5	2.9	4.0	1.1	2.8
East North Central	.6	.3	.6	.6	.5
Illinois.....	1.0	.4	.3	.2	.2
Indiana.....	1.6	.9	1.2	2.1	.9
Michigan.....	.4	.2	1.2	4.6	.8
Ohio.....	1.0	.3	.9	1.0	1.2
Wisconsin.....	2.7	2.1	2.6	8.3	2.2
West North Central	.4	.6	.5	2.5	.5
Iowa.....	.7	3.7	.4	5.1	1.1
Kansas.....	.7	.4	1.4	2.2	.7
Minnesota.....	.9	1.8	.4	1.2	1.0
Missouri.....	1.2	.8	2.5	8.8	1.2
Nebraska.....	.9	.8	2.2	7.5	1.3
North Dakota.....	.9	.9	1.2	2.9	.7
South Dakota.....	.8	1.5	2.4	3.3	1.4
South Atlantic	.5	.5	.6	.6	.5
Delaware.....	.2	.2	2.0	.5	.6
District of Columbia.....	.0	.0	.0	.0	.0
Florida.....	1.0	1.2	2.6	1.7	1.0
Georgia.....	3.0	1.8	1.8	2.0	2.5
Maryland.....	.9	1.3	1.1	5.0	1.0
North Carolina.....	1.2	.1	.2	1.7	.5
South Carolina.....	1.2	1.8	1.0	3.2	1.1
Virginia.....	.9	.5	1.0	.1	.9
West Virginia.....	.4	.2	.2	2.8	.3
East South Central	1.3	1.1	1.4	1.3	1.3
Alabama.....	3.3	1.8	4.0	2.2	2.9
Kentucky.....	1.2	.9	1.8	1.6	2.2
Mississippi.....	5.9	4.1	2.2	6.0	4.6
Tennessee.....	.4	1.1	1.4	6.9	.6
West South Central	.7	1.2	1.8	1.2	1.1
Arkansas.....	2.3	3.4	7.2	4.0	4.1
Louisiana.....	1.1	2.1	2.5	7.5	2.9
Oklahoma.....	1.1	1.0	.7	1.6	.3
Texas.....	1.0	1.5	2.4	.8	1.3
Mountain	.7	.7	1.5	3.5	.7
Arizona.....	1.6	.7	5.6	5.8	1.7
Colorado.....	1.6	2.2	1.3	13.3	1.6
Idaho.....	1.0	1.1	2.3	4.4	1.0
Montana.....	4.4	1.9	5.1	2.7	4.8
Nevada.....	.4	.1	2.8	6.5	1.0
New Mexico.....	2.3	1.3	5.5	7.7	2.1
Utah.....	.2	.4	.3	1.1	.4
Wyoming.....	1.4	1.1	1.0	18.5	.5
Pacific Contiguous	.9	2.0	2.0	9.5	1.6
California.....	1.0	2.6	2.8	10.6	1.7
Oregon.....	1.8	2.9	2.7	7.6	2.9
Washington.....	2.2	1.0	2.9	3.2	1.5
Pacific Noncontiguous	1.2	.9	1.5	5.4	1.2
Alaska.....	1.1	1.5	2.6	6.8	1.7
Hawaii.....	1.9	1.1	1.5	1.1	1.5
U.S. Average	.3	.4	.5	.9	.3

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

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

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

Table 55. Estimated U.S. Electric Utility Average Revenue per Kilowatthour to Ultimate Consumers by Sector, Census Division, and State, Year-to-Date 1999 and 1998 (Cents)

Census Division and State	Residential		Commercial		Industrial		Other ¹		All Sectors	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
New England.....	10.9	11.5	9.2	10.0	7.4	8.3	12.5	12.6	9.6	10.3
Connecticut.....	11.2	11.7	9.5	9.9	7.1	7.9	12.8	12.7	10.0	10.4
Maine.....	13.2	12.9	12.0	11.8	7.7	7.8	26.5	23.8	11.0	10.8
Massachusetts.....	9.5	10.6	8.1	9.4	7.0	8.5	11.8	13.4	8.5	9.7
New Hampshire.....	13.8	12.8	11.2	11.3	8.9	8.8	11.1	11.7	11.8	11.4
Rhode Island.....	9.7	12.3	8.3	11.0	6.9	9.2	11.3	6.2	8.6	11.0
Vermont.....	13.3	13.3	12.0	11.7	8.4	8.3	14.5	14.5	11.7	11.4
Middle Atlantic.....	10.8	11.3	9.5	10.0	5.4	5.8	8.8	8.1	9.0	9.3
New Jersey.....	11.0	11.3	9.7	9.9	7.7	7.9	15.0	14.8	9.9	10.1
New York.....	13.5	13.9	11.0	11.5	4.6	5.0	8.3	7.5	10.4	10.7
Pennsylvania.....	8.6	9.0	7.3	7.9	5.1	5.6	10.4	11.8	7.2	7.6
East North Central.....	7.5	8.1	6.9	7.1	4.4	4.4	6.4	6.6	6.2	6.4
Illinois.....	7.4	9.6	6.6	7.4	4.8	4.9	5.9	6.3	6.3	7.3
Indiana.....	6.6	6.8	6.1	6.1	4.0	4.0	8.4	8.5	5.4	5.4
Michigan.....	8.7	8.5	7.8	7.6	5.1	4.9	10.1	9.7	7.3	7.0
Ohio.....	7.6	7.9	7.3	7.4	4.3	4.3	6.2	6.4	6.2	6.3
Wisconsin.....	7.2	6.9	5.9	5.8	3.9	3.7	7.0	6.3	5.6	5.4
West North Central.....	6.3	6.4	5.5	5.5	4.0	3.9	6.0	5.5	5.4	5.3
Iowa.....	7.5	7.8	5.7	6.3	3.5	3.8	7.3	5.8	5.5	5.8
Kansas.....	6.8	7.0	6.0	6.1	4.4	4.4	8.7	7.5	5.9	5.9
Minnesota.....	6.9	6.8	5.8	5.8	4.4	4.0	6.9	6.8	5.6	5.3
Missouri.....	5.6	5.8	5.1	5.0	3.8	3.5	5.6	5.7	5.1	5.0
Nebraska.....	5.2	5.3	4.9	4.8	3.4	3.3	5.0	4.9	4.6	4.6
North Dakota.....	5.7	5.6	5.7	5.5	4.3	4.2	3.9	3.9	5.4	5.3
South Dakota.....	6.7	6.6	6.2	6.2	4.3	4.1	4.3	3.6	6.0	5.9
South Atlantic.....	7.3	7.4	6.1	6.3	4.0	4.1	6.1	6.4	6.2	6.3
Delaware.....	8.2	8.5	6.5	6.8	4.5	4.7	13.4	13.1	6.5	6.7
District of Columbia.....	6.8	7.2	5.9	6.4	3.8	3.9	6.1	6.6	6.1	6.5
Florida.....	8.0	8.0	6.5	6.4	4.9	4.9	6.6	6.9	7.1	7.1
Georgia.....	6.5	6.8	6.3	7.0	3.6	3.8	8.3	8.8	5.6	6.0
Maryland.....	7.3	7.3	5.9	5.8	3.9	3.8	9.0	8.0	6.2	6.2
North Carolina.....	7.6	7.7	6.2	6.2	4.6	4.7	7.0	6.9	6.5	6.5
South Carolina.....	7.0	7.3	6.2	6.2	3.5	3.5	5.9	6.0	5.5	5.5
Virginia.....	6.7	7.2	5.5	5.8	3.9	4.0	5.1	5.4	5.8	6.0
West Virginia.....	6.0	6.0	5.5	5.4	3.7	3.7	8.0	8.0	5.1	5.0
East South Central.....	5.9	6.1	5.9	6.4	3.7	3.8	5.7	6.1	5.0	5.1
Alabama.....	6.2	6.2	6.2	7.5	3.6	4.0	7.4	7.5	5.2	5.5
Kentucky.....	5.1	5.4	5.0	5.0	2.9	2.8	4.2	4.5	4.0	4.0
Mississippi.....	6.0	6.6	6.2	6.8	3.9	4.1	7.6	9.1	5.2	5.7
Tennessee.....	6.2	6.2	6.4	6.3	4.6	4.5	8.3	8.3	5.5	5.5
West South Central.....	6.5	6.8	6.3	6.4	3.9	4.0	6.0	6.1	5.6	5.7
Arkansas.....	6.5	6.9	5.3	5.5	3.8	3.7	5.8	6.7	5.2	5.3
Louisiana.....	6.5	7.3	6.3	7.1	3.8	4.5	5.9	6.3	5.3	6.0
Oklahoma.....	5.4	5.4	4.7	4.6	3.5	3.2	4.2	4.1	4.6	4.5
Texas.....	6.7	6.9	6.6	6.7	4.0	4.0	6.5	6.4	5.8	5.8
Mountain.....	7.0	7.0	6.0	6.2	4.0	3.8	5.1	5.1	5.7	5.7
Arizona.....	7.5	7.6	6.5	7.2	5.4	4.7	4.3	4.7	6.6	6.6
Colorado.....	7.2	7.3	5.4	5.5	4.3	4.2	7.7	8.2	5.9	5.9
Idaho.....	5.3	5.0	4.5	4.3	2.7	2.5	4.9	4.6	4.2	3.9
Montana.....	6.9	6.7	5.9	6.3	3.7	3.8	7.9	7.5	5.6	5.4
Nevada.....	7.1	6.9	6.7	6.5	4.1	3.9	3.6	3.2	5.7	5.4
New Mexico.....	8.5	8.8	7.8	7.9	4.2	4.6	5.6	5.9	6.7	6.9
Utah.....	6.8	6.8	5.6	5.4	3.3	3.3	4.2	4.2	5.0	5.0
Wyoming.....	5.9	6.0	5.3	5.2	3.3	3.4	3.6	3.5	4.3	4.4
Pacific Contiguous.....	8.0	8.3	7.1	7.5	4.3	4.6	6.8	5.5	6.7	7.0
California.....	10.2	10.9	8.1	8.7	5.2	5.8	10.8	6.8	8.2	8.7
Oregon.....	5.6	5.6	4.9	5.0	3.2	3.3	5.0	5.0	4.9	4.8
Washington.....	5.2	5.2	5.1	5.0	3.0	2.9	3.8	4.0	4.5	4.4
Pacific Noncontiguous.....	11.7	13.0	10.5	11.2	8.7	9.7	13.0	14.1	10.4	11.4
Alaska.....	10.8	11.3	8.8	9.2	7.2	7.7	13.3	14.4	9.5	10.0
Hawaii.....	12.6	14.5	12.2	13.2	9.1	10.2	12.0	13.0	11.1	12.4
U.S. Average.....	7.59	7.89	6.94	7.24	4.27	4.39	6.66	6.53	6.40	6.58

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

Notes: *Values for 1999 are estimates based on a cutoff model sample; see Technical Notes for a discussion of the sample design for the Form EIA-826. Values for 1998 have been revised and are preliminary. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. *Totals may not equal sum of components because of independent rounding.

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

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

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

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Alabama Elec Coop Inc.....	308,314	6,890	45,067	1,682	—	—	134	15	387	178	31
Gantt (AL).....	—	—	—	279	—	—	—	—	—	—	—
Lowman (AL).....	308,314	—	—	—	—	—	134	—	—	178	—
McIntosh-CAES (AL).....	—	6,879	1,607	—	—	—	—	15	20	—	17
McWilliams (AL).....	—	—	43,460	—	—	—	—	—	367	—	13
Point A (AL).....	—	—	—	1,403	—	—	—	—	—	—	—
Portland (FL).....	—	11	—	—	—	—	—	*	—	—	*
Alabama Power Co.....	5,024,675	4,032	38,994	272,111	650,576	—	2,164	7	403	2,068	141
Bankhead Dam (AL).....	—	—	—	10,651	—	—	—	—	—	—	—
Barry (AL).....	1,082,143	—	6,329	—	—	—	428	—	56	304	5
Chickasaw (AL).....	—	—	—	—	—	—	—	—	—	—	*
Farley (AL).....	—	—	—	—	650,576	—	—	—	—	—	—
Gadsden New (AL).....	30,784	30	5,231	—	—	—	19	*	81	9	1
Gaston, E C (AL).....	937,078	2,791	—	—	—	—	361	5	—	345	12
Gorgas (AL).....	828,280	1,077	—	—	—	—	341	2	—	455	4
Greene County (AL).....	342,797	134	23,574	—	—	—	143	*	228	112	103
H Neely Henry Dam (AL).....	—	—	—	15,101	—	—	—	—	—	—	—
Harris (AL).....	—	—	—	6,052	—	—	—	—	—	—	—
Holt Dam (AL).....	—	—	—	9,345	—	—	—	—	—	—	—
Jordan (AL).....	—	—	—	13,392	—	—	—	—	—	—	—
Lay Dam (AL).....	—	—	—	41,417	—	—	—	—	—	—	—
Lewis Smith Dam (AL).....	—	—	—	3,424	—	—	—	—	—	—	—
Logan Martin Dam (AL).....	—	—	—	25,949	—	—	—	—	—	—	—
Martin Dam (AL).....	—	—	—	21,797	—	—	—	—	—	—	—
Miller (AL).....	1,803,593	—	3,860	—	—	—	873	—	38	842	16
Mitchell Dam (AL).....	—	—	—	33,025	—	—	—	—	—	—	—
Thurlow Dam (AL).....	—	—	—	15,689	—	—	—	—	—	—	—
Walter Bouldin Dam (AL).....	—	—	—	50,216	—	—	—	—	—	—	—
Weiss Dam (AL).....	—	—	—	16,302	—	—	—	—	—	—	—
Yates Dam (AL).....	—	—	—	9,751	—	—	—	—	—	—	—
Alaska Elec Lgt & Pwr Co.....	—	128	—	3,855	—	—	—	*	—	—	7
Annex Creek (AK).....	—	—	—	2,310	—	—	—	—	—	—	—
Auke Bay (AK).....	—	41	—	—	—	—	—	*	—	—	2
Gold Creek (AK).....	—	—	—	69	—	—	—	—	—	—	—
Lemon Creek (AK).....	—	87	—	—	—	—	—	*	—	—	4
Salmon Creek (AK).....	—	—	—	—	—	—	—	—	—	—	—
Salmon Creek 2 (AK).....	—	—	—	1,476	—	—	—	—	—	—	—
Alaska Power Admn.....	—	—	—	—	—	—	—	—	—	—	—
Eklutna (AK).....	—	—	—	—	—	—	—	—	—	—	—
Snettisham (AK).....	—	—	—	—	—	—	—	—	—	—	—
Alexandria (City of).....	—	—	—	—	—	—	—	—	—	—	10
D G Hunter (LA).....	—	—	—	—	—	—	—	—	—	—	10
Amer Mun Power-Ohio Inc.....	119,183	—	488	—	—	—	77	—	7	61	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Amer Mun Power-Ohio Inc											
Richard Gorsuch (OH).....	119,183	—	488	—	—	—	77	—	7	61	—
Ames (City of).....	29,370	228	—	—	—	—	18	*	—	16	4
Ames (IA).....	29,370	228	—	—	—	—	18	*	—	16	1
Ames Gt (IA).....	—	—	—	—	—	—	—	—	—	—	2
Anaheim (City of).....	—	—	896	—	—	—	—	—	8	—	—
Anaheim (CA).....	—	—	896	—	—	—	—	—	8	—	—
Anchorage (City of).....	—	—	75,634	—	—	—	—	*	930	—	20
Anchorage (AK).....	—	—	522	—	—	—	—	*	10	—	3
GMS 2 (AK).....	—	—	75,112	—	—	—	—	—	920	—	16
Appalachian Power Co.....	3,144,195	5,913	—	16,031	—	—	1,225	10	—	1,676	89
Amos, John E (WV).....	1,622,263	3,344	—	—	—	—	646	6	—	939	57
Buck (VA).....	—	—	—	2,136	—	—	—	—	—	—	—
Byllesby 2 (VA).....	—	—	—	2,863	—	—	—	—	—	—	—
Claytor (VA).....	—	—	—	8,060	—	—	—	—	—	—	—
Clinch River (VA).....	392,904	366	—	—	—	—	150	1	—	293	2
Glen Lyn (VA).....	180,243	546	—	—	—	—	70	1	—	70	2
Kanawha River (WV).....	201,681	384	—	—	—	—	80	1	—	84	1
Leesville (VA).....	—	—	—	2,071	—	—	—	—	—	—	—
London (WV).....	—	—	—	3,365	—	—	—	—	—	—	—
Marmet (WV).....	—	—	—	2,808	—	—	—	—	—	—	—
Mountaineer (WV).....	747,104	1,273	—	—	—	—	279	2	—	291	27
Niagara (VA).....	—	—	—	261	—	—	—	—	—	—	—
Reusens (VA).....	—	—	—	1,077	—	—	—	—	—	—	—
Smith Mountain (VA).....	—	—	—	-12,588	—	—	—	—	—	—	—
Winfield (WV).....	—	—	—	5,978	—	—	—	—	—	—	—
Arizona Elec Pwr Coop Inc.....	243,433	—	12,832	—	—	—	133	—	132	113	—
Apache Station (AZ).....	243,433	—	12,832	—	—	—	133	—	132	113	—
Arizona Public Service Co.....	2,021,581	1,513	141,647	2,758	2,810,027	—	1,127	3	1,702	475	137
Childs (AZ).....	—	—	—	1,808	—	—	—	—	—	—	—
Cholla (AZ).....	634,136	335	184	—	—	—	355	1	2	399	5
Fairview (AZ).....	—	74	—	—	—	—	—	*	—	—	6
Four Corners (NM).....	1,387,445	—	8,180	—	—	—	772	—	89	76	—
Irving (AZ).....	—	—	—	950	—	—	—	—	—	—	—
Ocotillo (AZ).....	—	—	38,842	—	—	—	—	—	475	—	36
Palo Verde (AZ).....	—	—	—	—	2,810,027	—	—	—	—	—	—
Phoenix (AZ).....	—	835	64,937	—	—	—	—	2	741	—	30
Saguaro (AZ).....	—	—	18,516	—	—	—	—	—	247	—	34
Yucca (AZ).....	—	269	10,988	—	—	—	—	1	147	—	27
Arkansas Elec Coop Corp.....	—	14,926	25,872	24,203	—	—	—	23	289	—	146
Bailey (AR).....	—	593	17,557	—	—	—	—	1	196	—	64
Clyde Ellis (AR).....	—	—	—	12,855	—	—	—	—	—	—	—
Dam 9 (AR).....	—	—	—	11,348	—	—	—	—	—	—	—
Fitzhugh (AR).....	—	—	6,281	—	—	—	—	—	73	—	44
Mc Clellan (AR).....	—	14,333	2,034	—	—	—	—	22	20	—	39
Arkansas Power & Light Co.....	1,961,590	4,765	5,373	20,131	1,114,988	—	1,162	8	63	668	180
Arkansas Nuclear One(AR).....	—	—	—	—	1,114,988	—	—	—	—	—	—
Blytheville (AR).....	—	7	—	—	—	—	—	*	—	—	44
Carpenter (AR).....	—	—	—	14,065	—	—	—	—	—	—	—
Couch, Harvey (AR).....	—	—	—	—	—	—	—	—	—	—	—
Independence (AR).....	1,016,437	2,286	—	—	—	—	596	4	—	295	13
L Catherine (AR).....	—	—	5,373	—	—	—	—	—	63	—	—
Lynch, Cecil (AR).....	—	—	—	—	—	—	—	—	—	—	—
Mablevale (AR).....	—	—	—	—	—	—	—	—	—	—	4
Moses, Ham (AR).....	—	—	—	—	—	—	—	—	—	—	—
Rommel (AR).....	—	—	—	6,066	—	—	—	—	—	—	—
Ritchie, R E (AR).....	—	—	—	—	—	—	—	—	—	—	98
White Bluff (AR).....	945,153	2,472	—	—	—	—	566	4	—	373	21
Associated Elec Coop.....	1,203,816	1,706	—	—	—	—	705	3	—	1,155	16
New Madrid (MO).....	513,506	281	—	—	—	—	296	*	—	533	1
Thomas Hill (MO).....	690,310	1,404	—	—	—	—	409	3	—	622	5
Unionville (MO).....	—	21	—	—	—	—	—	*	—	—	9

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Atlantic City Elec Co.....	150,014	2,486	2,218	—	—	—	65	12	31	202	411
Carls Corner (NJ).....	—	404	—	—	—	—	—	2	—	—	11
Cedar (NJ).....	—	313	—	—	—	—	—	1	—	—	19
Cumberland St (NJ).....	—	—	1,291	—	—	—	—	—	17	—	29
Deepwater (NJ).....	37,849	39	29	—	—	—	15	*	*	79	33
England, B L (NJ).....	112,165	1,437	—	—	—	—	50	8	—	123	114
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—	—	31
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—	—	123
Mickleton Street (NJ).....	—	—	-82	—	—	—	—	—	*	—	—
Middle (NJ).....	—	307	—	—	—	—	—	1	—	—	14
Missouri Avenue (NJ).....	—	-14	—	—	—	—	—	*	—	—	9
Sherman Avenue (NJ).....	—	—	980	—	—	—	—	—	14	—	27
Austin (City of).....	11,761	—	543	—	—	—	6	—	7	37	—
Northeast Station (MN).....	11,761	—	543	—	—	—	6	—	7	37	—
Austin (City of).....	—	—	135,067	—	—	5	—	—	1,447	—	190
Decker Creek (TX).....	—	—	105,199	—	—	5	—	—	1,108	—	125
Holly Street (TX).....	—	—	29,868	—	—	—	—	—	339	—	65
Avista Corporation.....	—	—	29,704	293,900	—	31,016	—	—	337	—	—
Cabinet Gorge (ID).....	—	—	—	67,389	—	—	—	—	—	—	—
Kettle Fls (WA).....	—	—	343	—	—	31,016	—	—	4	—	—
Little Falls (WA).....	—	—	—	24,304	—	—	—	—	—	—	—
Long Lake (WA).....	—	—	—	59,464	—	—	—	—	—	—	—
Meyers Falls (WA).....	—	—	—	738	—	—	—	—	—	—	—
Monroe Street (WA).....	—	—	—	10,448	—	—	—	—	—	—	—
Nine Mile (WA).....	—	—	—	16,884	—	—	—	—	—	—	—
Northeast (WA).....	—	—	5,056	—	—	—	—	—	58	—	—
Noxon Rapids (MT).....	—	—	—	98,704	—	—	—	—	—	—	—
Post Falls (ID).....	—	—	—	10,939	—	—	—	—	—	—	—
Rathdrum (WA).....	—	—	24,305	—	—	—	—	—	275	—	—
Upper Falls (WA).....	—	—	—	5,030	—	—	—	—	—	—	—
Baltimore Gas & Elec Co.....	1,162,779	59,535	28,459	—	1,286,978	—	456	96	301	685	648
Brandon (MD).....	773,055	2,499	—	—	—	—	305	4	—	503	3
Calvert Cliffs (MD).....	—	—	—	—	1,286,978	—	—	—	—	—	—
Crane, C P (MD).....	139,098	625	—	—	—	—	54	1	—	104	4
Gould Street (MD).....	—	1,692	1,116	—	—	—	—	4	14	—	26
Notch Cliff (MD).....	—	—	581	—	—	—	—	—	9	—	—
Perryman (MD).....	—	268	11,328	—	—	—	—	1	119	—	104
Philadelphia Road (MD).....	—	—	—	—	—	—	—	—	—	—	12
Riverside (MD).....	—	183	535	—	—	—	—	1	15	—	35
Wagner, H A (MD).....	250,626	54,268	14,899	—	—	—	97	85	143	78	464
Westport (MD).....	—	—	—	—	—	—	—	—	1	—	—
Basin Elec Power Coop.....	2,146,523	2,352	—	—	—	—	1,563	4	—	1,154	70
Antelope Valley (ND).....	635,410	11	—	—	—	—	526	*	—	69	6
Laramie River (WY).....	1,120,377	1,479	—	—	—	—	714	3	—	698	13
Leland Olds (ND).....	390,736	824	—	—	—	—	324	2	—	388	7
Sprit Mound (SD).....	—	38	—	—	—	—	—	*	—	—	45
Big Rivers Electric Corp.....	—	—	—	—	—	—	—	—	—	—	—
Coleman (KY).....	—	—	—	—	—	—	—	—	—	—	—
Green (KY).....	—	—	—	—	—	—	—	—	—	—	—
Henderson II (KY).....	—	—	—	—	—	—	—	—	—	—	—
Reid, Robert (KY).....	—	—	—	—	—	—	—	—	—	—	—
Wilson (KY).....	—	—	—	—	—	—	—	—	—	—	—
Black Hills Pwr and Lt Co.....	113,101	1,474	3,991	—	—	—	95	3	62	4	19
French, Ben (SD).....	16,549	1,454	3,991	—	—	—	14	3	62	3	19
Neil Simpson 2 (WY).....	60,228	8	—	—	—	—	47	*	—	—	*
Osage (WY).....	22,590	—	—	—	—	—	23	—	—	1	—
Simpson, Neil (WY).....	13,734	12	—	—	—	—	12	*	—	—	*
Boston Edison Co.....	—	—	—	—	489,341	—	—	—	—	—	—
Edgar (MA).....	—	—	—	—	—	—	—	—	—	—	—
Framingham (MA).....	—	—	—	—	—	—	—	—	—	—	—
L Street (MA).....	—	—	—	—	—	—	—	—	—	—	—
Mystic (MA).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Boston Edison Co											
New Boston (MA)	—	—	—	—	—	—	—	—	—	—	—
Pilgrim (MA)	—	—	—	—	489,341	—	—	—	—	—	—
West Medway (MA)	—	—	—	—	—	—	—	—	—	—	—
Braintree (City of)	—	2,855	13,657	—	—	—	—	5	149	—	—
Potter Station (MA)	—	2,855	13,657	—	—	—	—	5	149	—	—
Brazos Elec Pwr Coop Inc.	—	162	166,781	—	—	—	—	*	1,430	—	146
Miller, R W (TX)	—	162	164,266	—	—	—	—	*	1,397	—	136
North Texas (TX)	—	—	2,515	—	—	—	—	—	33	—	11
Brazos River Authority	—	—	—	358	—	—	—	—	—	—	—
M Sheppard (TX)	—	—	—	358	—	—	—	—	—	—	—
Brownsville (City of)	—	301	6,074	—	—	—	—	1	72	—	21
Si Ray (TX)	—	301	6,074	—	—	—	—	1	72	—	21
Bryan (City of)	—	4	148	—	—	—	—	*	3	—	6
Bryan (OH)	—	4	148	—	—	—	—	*	3	—	6
Bryan (City of)	—	94	34,249	—	—	—	—	*	400	—	56
Bryan (TX)	—	94	10,527	—	—	—	—	*	132	—	32
Dansby (TX)	—	—	23,722	—	—	—	—	—	268	—	24
Burbank (City of)	—	—	2,722	—	—	—	—	—	46	—	—
Magnolia (CA)	—	—	111	—	—	—	—	—	3	—	—
Olive (CA)	—	—	2,611	—	—	—	—	—	43	—	—
Burlington (City of)	—	560	—	—	—	15,331	—	2	4	—	7
Burlington (VT)	—	560	—	—	—	—	—	2	—	—	2
J C McNeil (VT)	—	—	—	—	—	15,331	—	*	4	—	5
Cajun Elec Power Coop Inc.	849,969	2,803	—	—	—	—	535	5	—	1,184	21
Big Cajun 1 (LA)	—	—	—	—	—	—	—	—	—	—	12
Big Cajun 2 (LA)	849,969	2,803	—	—	—	—	535	5	—	1,184	9
California (State of)	—	—	—	439,059	—	-58	—	—	—	—	—
Alamo (CA)	—	—	—	1,197	—	—	—	—	—	—	—
Bottle Rock (CA)	—	—	—	—	—	-58	—	—	—	—	—
Devil Canyon (CA)	—	—	—	8,695	—	—	—	—	—	—	—
Edw Hyatt (CA)	—	—	—	361,095	—	—	—	—	—	—	—
Mojave Siphon (CA)	—	—	—	464	—	—	—	—	—	—	—
Thermal Div (CA)	—	—	—	1,905	—	—	—	—	—	—	—
Thermalito (CA)	—	—	—	51,738	—	—	—	—	—	—	—
W E Warne (CA)	—	—	—	-96	—	—	—	—	—	—	—
William R Gianelli (CA)	—	—	—	14,061	—	—	—	—	—	—	—
Cardinal Operating Co.	859,873	3,838	—	—	—	—	344	6	—	503	16
Cardinal (OH)	859,873	3,838	—	—	—	—	344	6	—	503	16
Carolina Power & Light Co.	2,168,776	13,394	1,413	39,045	2,409,873	—	877	25	36	1,797	284
Asheville (NC)	207,309	214	—	—	—	—	84	*	—	256	1
Blewett (NC)	—	-34	—	8,659	—	—	—	—	—	—	6
Brunswick (NC)	—	—	—	—	1,226,425	—	—	—	—	—	—
Cape Fear (NC)	135,614	207	—	—	—	—	52	1	—	119	9
Darlington County (SC)	—	474	1,413	—	—	—	—	2	36	—	222
Harris (NC)	—	—	—	—	637,123	—	—	—	—	—	—
Lee (NC)	106,261	992	—	—	—	—	45	2	—	116	6
Marshall (NC)	—	—	—	1,590	—	—	—	—	—	—	—
Mayo (NC)	357,449	3,731	—	—	—	—	148	6	—	321	6
Morehead (NC)	—	-19	—	—	—	—	—	—	—	—	1
Robinson, H B (SC)	62,057	221	—	—	546,325	—	25	*	—	73	3
Roxboro (NC)	1,083,316	6,233	—	—	—	—	428	11	—	648	9
Sutton (NC)	182,246	1,252	—	—	—	—	79	3	—	199	11
Tillery (NC)	—	—	—	11,895	—	—	—	—	—	—	—
Walters (NC)	—	—	—	16,901	—	—	—	—	—	—	—
Weatherspoon (NC)	34,524	123	—	—	—	—	16	*	—	66	10
Carthage (City of)	—	—	-52	—	—	—	—	—	*	—	11
Carthage (MO)	—	—	-52	—	—	—	—	—	*	—	11

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Cedar Falls (City of).....	-169	—	-27	—	—	—	—	—	*	26	2
Cedar Falls Gt (IA).....	-169	—	—	—	—	—	—	—	—	26	—
Streeter (IA).....	—	—	-27	—	—	—	—	—	*	—	2
Cent NE Pub Pwr & Ir Dist.....	—	—	—	37,768	—	—	—	—	—	—	—
Jeffrey Canyon (NE).....	—	—	—	9,630	—	—	—	—	—	—	—
Johnson No 1 (NE).....	—	—	—	8,713	—	—	—	—	—	—	—
Johnson No 2 (NE).....	—	—	—	11,020	—	—	—	—	—	—	—
Kingsley (NE).....	—	—	—	8,405	—	—	—	—	—	—	—
Central Elec Pwr Coop.....	33,962	42	—	—	—	—	17	*	—	41	*
Chamois (MO).....	33,962	42	—	—	—	—	17	*	—	41	*
Central Hudson Gas & Elec.....	203,714	365,857	106,363	791	—	—	81	590	1,086	121	409
Coxsackie (NY).....	—	56	75	—	—	—	—	*	2	—	2
Danskammer (NY).....	203,714	3	31,166	—	—	—	81	*	335	121	12
Dashville (NY).....	—	—	—	93	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	1	—	—	—	—	—	—	—
Neversink (NY).....	—	—	—	—	—	—	—	—	—	—	—
Roseton (NY).....	—	365,759	75,122	—	—	—	—	590	750	—	393
South Cairo (NY).....	—	39	—	—	—	—	—	*	—	—	2
Sturgeon Pool (NY).....	—	—	—	697	—	—	—	—	—	—	—
Central Ill Public Ser Co.....	852,154	2,951	—	—	—	—	466	6	—	1,413	55
Coffeen (IL).....	242,660	853	—	—	—	—	126	2	—	502	4
Grand Tower (IL).....	18,835	256	—	—	—	—	12	1	—	122	1
Hutsonville (IL).....	24,272	410	—	—	—	—	12	1	—	51	1
Meredosia (IL).....	99,228	284	—	—	—	—	54	1	—	97	43
Newton (IL).....	467,159	1,148	—	—	—	—	262	2	—	641	5
Central Iowa Power Coop.....	29,403	—	—	—	—	—	16	—	—	65	7
Fair Station (IA).....	29,403	—	—	—	—	—	16	—	—	65	—
Summit Lake (IA).....	—	—	—	—	—	—	—	—	—	—	7
Central Illinois Light Co.....	478,448	762	1,201	—	—	—	217	1	7	315	1
Duck Creek (IL).....	172,715	339	—	—	—	—	79	1	—	118	1
E D Edwards (IL).....	305,733	423	—	—	—	—	138	1	—	197	*
Pekin Cogen (IL).....	—	—	1,133	—	—	—	—	—	6	—	—
Sterling Avenue (IL).....	—	—	68	—	—	—	—	—	1	—	—
Central Louisiana Elec Co.....	673,213	—	173,858	—	—	—	501	—	1,469	643	148
Coughlin (LA).....	—	—	12,701	—	—	—	—	—	89	—	37
Dolet Hills (LA).....	413,613	—	2,935	—	—	—	341	—	31	323	—
Franklin (LA).....	—	—	—	—	—	—	—	—	—	—	—
Rodemacher (LA).....	259,600	—	153,440	—	—	—	160	—	1,302	319	76
Teche (LA).....	—	—	4,782	—	—	—	—	—	47	—	35
Central Maine Power Co.....	—	171,471	—	101,305	—	—	—	295	—	—	484
Andro Lower (ME).....	—	—	—	-8	—	—	—	—	—	—	—
Androscoggin 3 (ME).....	—	—	—	2,724	—	—	—	—	—	—	—
Bar Mills (ME).....	—	—	—	1,982	—	—	—	—	—	—	—
Bates Lower (ME).....	—	—	—	—	—	—	—	—	—	—	—
Bates Upper (ME).....	—	—	—	-15	—	—	—	—	—	—	—
Bonny Eagle (ME).....	—	—	—	4,131	—	—	—	—	—	—	—
Brunswick (ME).....	—	—	—	6,854	—	—	—	—	—	—	—
C. E. Monty (ME).....	—	—	—	9,851	—	—	—	—	—	—	—
Cape (ME).....	—	-15	—	—	—	—	—	*	—	—	7
Cataract (ME).....	—	—	—	961	—	—	—	—	—	—	—
Continental Mills (ME).....	—	—	—	-10	—	—	—	—	—	—	—
Deer Rips (ME).....	—	—	—	2,382	—	—	—	—	—	—	—
Fort Halifax (ME).....	—	—	—	420	—	—	—	—	—	—	—
Gulf Island (ME).....	—	—	—	10,164	—	—	—	—	—	—	—
Harris (ME).....	—	—	—	8,136	—	—	—	—	—	—	—
Hill Mill (ME).....	—	—	—	-3	—	—	—	—	—	—	—
Hiram (ME).....	—	—	—	4,665	—	—	—	—	—	—	—
Islesboro (ME).....	—	—	—	—	—	—	—	—	—	—	—
North Gorham (ME).....	—	—	—	1,276	—	—	—	—	—	—	—
Oakland (ME).....	—	—	—	252	—	—	—	—	—	—	—
Peaks Island (ME).....	—	—	—	—	—	—	—	—	—	—	—
Rice Rips (ME).....	—	—	—	142	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Central Maine Power Co											
Shawmut (ME).....	—	—	—	3,894	—	—	—	—	—	—	—
Skelton (ME).....	—	—	—	9,911	—	—	—	—	—	—	—
Smelt Hill (AK).....	—	—	—	—	—	—	—	—	—	—	—
Union Gas (ME).....	—	—	—	126	—	—	—	—	—	—	—
West Buxton (ME).....	—	—	—	2,890	—	—	—	—	—	—	—
West Channel (MA).....	—	—	—	—	—	—	—	—	—	—	—
Weston (ME).....	—	—	—	6,103	—	—	—	—	—	—	—
Williams (ME).....	—	—	—	6,011	—	—	—	—	—	—	—
Wyman Hydro (ME).....	—	—	—	18,466	—	—	—	—	—	—	—
Wyman, W F (ME).....	—	171,486	—	—	—	—	—	294	—	—	477
Central Operating Co	573,771	1,465	—	—	—	—	229	2	—	163	10
Sporn, Phil (WV).....	573,771	1,465	—	—	—	—	229	2	—	163	10
Central Power & Light Co	340,847	999	947,797	1,512	—	—	180	2	9,821	333	463
Bates, J L (TX).....	—	—	38,983	—	—	—	—	—	466	—	39
Coletto Creek (TX).....	340,847	998	—	—	—	—	180	2	—	333	5
Davis, Barney M (TX).....	—	1	343,114	—	—	—	—	*	3,380	—	129
Eagle Pass (TX).....	—	—	—	1,512	—	—	—	—	—	—	—
Hill, Lon C (TX).....	—	—	154,871	—	—	—	—	—	1,638	—	60
Joslin, E S (TX).....	—	—	37,287	—	—	—	—	—	389	—	50
La Palma (TX).....	—	—	59,784	—	—	—	—	—	669	—	49
Laredo (TX).....	—	—	47,600	—	—	—	—	—	583	—	24
Nueces Bay (TX).....	—	—	254,400	—	—	—	—	—	2,570	—	59
Victoria (TX).....	—	—	11,758	—	—	—	—	—	126	—	49
Chanute (City of)	—	-196	—	—	—	—	—	—	—	—	1
Chanute (KS).....	—	-41	—	—	—	—	—	—	—	—	*
Chanute 2 (KS).....	—	-29	—	—	—	—	—	—	—	—	*
Chanute 3 (KS).....	—	-126	—	—	—	—	—	—	—	—	*
Chelan Pub Util Dist #1	—	—	—	749,815	—	—	—	—	—	—	—
Chelan (WA).....	—	—	—	38,816	—	—	—	—	—	—	—
Rock Island (WA).....	—	—	—	215,839	—	—	—	—	—	—	—
Rocky Reach (WA).....	—	—	—	495,160	—	—	—	—	—	—	—
Chillicothe (City of)	613	—	—	—	—	—	*	—	—	1	9
Chillicothe (MO).....	613	—	—	—	—	—	*	—	—	1	9
Chugach Elec Assn Inc	—	—	189,252	41,375	—	—	—	—	1,961	—	10
Beluga (AK).....	—	—	174,469	—	—	—	—	—	1,732	—	—
Bernice Lake (AK).....	—	—	14,567	—	—	—	—	—	222	—	3
Bradley Lake (AK).....	—	—	—	33,669	—	—	—	—	—	—	—
Cooper Lake (AK).....	—	—	—	7,706	—	—	—	—	—	—	—
International (AK).....	—	—	216	—	—	—	—	—	7	—	7
Soldotna (AK).....	—	—	—	—	—	—	—	—	—	—	—
Cincinnati Gas Elec Co	2,221,233	12,282	14,378	—	—	—	969	24	253	792	218
Beckjord, Walter C (OH).....	603,306	1,855	—	—	—	—	263	3	—	138	45
Dicks Creek (OH).....	—	—	409	—	—	—	—	—	14	—	3
East Bend (KY).....	241,677	1,564	—	—	—	—	111	3	—	170	6
Miami Fort (OH).....	694,923	1,870	—	—	—	—	306	4	—	251	30
W. H. Zimmer ().....	681,327	5,338	—	—	—	—	289	10	—	233	42
Woodsdale (OH).....	—	1,655	13,969	—	—	—	—	5	239	—	93
Citizens Utilities Co	—	—	—	—	—	—	—	—	—	—	1
Valencia (AZ).....	—	—	—	—	—	—	—	—	—	—	1
Clarksdale (City of)	—	—	1,384	—	—	—	—	*	18	—	19
South (MS).....	—	—	1,384	—	—	—	—	*	18	—	18
Third St (MS).....	—	—	—	—	—	—	—	—	—	—	1
Cleveland (City of)	—	—	112	—	—	—	—	*	4	—	2
Collinwood (OH).....	—	—	42	—	—	—	—	*	1	—	1
Lake Road (OH).....	—	—	—	—	—	—	—	—	—	—	—
West 41st Street (OH).....	—	—	70	—	—	—	—	*	3	—	1
Cleveland Elec Illum Co	640,627	2,860	—	—	888,836	—	262	5	—	471	30
Ashtabula (OH).....	13,081	374	—	—	—	—	10	1	—	32	2

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Cleveland Elec Illum Co											
Avon Lake (OH).....	255,278	404	—	—	—	—	111	1	—	154	13
Eastlake (OH).....	359,614	1,946	—	—	—	—	137	3	—	272	16
Lake Shore (OH).....	12,654	136	—	—	—	—	4	*	—	13	—
Perry (OH).....	—	—	—	—	888,836	—	—	—	—	—	—
Coffeyville (City of)	—	—	—	—	—	—	—	—	—	—	—
Coffeyville (KS).....	—	—	—	—	—	—	—	—	—	—	—
Colorado Springs (City of)	283,680	34	1,609	2,673	—	—	146	*	29	345	50
Drake, Martin (CO).....	144,611	—	650	—	—	—	79	—	8	86	—
George Birdsal (CO).....	—	—	959	—	—	—	—	—	21	—	48
Manitou (CO).....	—	—	—	1,358	—	—	—	—	—	—	—
Ray D. Nixon (CO).....	139,069	34	—	—	—	—	67	*	—	259	2
Ruxton (CO).....	—	—	—	—	—	—	—	—	—	—	—
Tesla (CO).....	—	—	—	1,315	—	—	—	—	—	—	—
Columbia (City of)	7,633	—	—	—	—	—	5	—	—	15	2
Columbia (MO).....	7,633	—	—	—	—	—	5	—	—	15	2
Columbus Southern Pwr Co	804,075	586	—	—	—	—	350	1	—	527	9
Conesville (OH).....	772,378	457	—	—	—	—	333	1	—	509	8
Picway (OH).....	31,697	129	—	—	—	—	17	*	—	18	*
Commonwealth Edison Co	1,978,554	14,706	68,836	—	6,129,190	—	1,213	44	1,313	2,826	1,045
Bloom (IL).....	—	—	—	—	—	—	—	—	—	—	9
Braidwood (IL).....	—	—	—	—	1,619,745	—	—	—	—	—	—
Byron (IL).....	—	—	—	—	1,669,210	—	—	—	—	—	—
Calumet (IL).....	—	—	25	—	—	—	—	—	2	—	14
Collins (IL).....	—	9,583	49,229	—	—	—	—	35	1,092	—	923
Crawford (IL).....	201,245	—	2,880	—	—	—	130	—	35	156	16
Dresden (IL).....	—	—	—	—	1,171,271	—	—	—	—	—	—
Electric Junction (IL).....	—	—	638	—	—	—	—	—	16	—	19
Fisk Street (IL).....	97,638	—	1,085	—	—	—	56	—	11	—	11
Joliet (IL).....	97,467	72	775	—	—	—	59	*	15	146	11
Joliet 29 (IL).....	500,610	—	10,797	—	—	—	293	—	108	389	—
Kincaid (IL).....	—	—	—	—	—	—	—	—	—	—	—
Lasalle (IL).....	—	—	—	—	621,141	—	—	—	—	—	—
Lombard (IL).....	—	—	—	—	—	—	—	—	—	—	15
Powerton (IL).....	340,895	—	630	—	—	—	217	—	7	1,049	—
Quad-cities (IL).....	—	—	—	—	1,052,633	—	—	—	—	—	—
Sabrooke (IL).....	—	81	—	—	—	—	—	*	—	—	11
Waukegan (IL).....	354,911	1,135	2,777	—	—	—	216	2	28	335	12
Will County (IL).....	385,788	3,835	—	—	—	—	243	7	—	751	5
Zion (IL).....	—	—	—	—	-4,810	—	—	—	—	—	—
Commonwealth Energy Sys	—	743,597	4,104	—	—	—	—	1,119	34	—	2
Blackstone Street (MA).....	—	159	110	—	—	—	—	*	2	—	2
Canal (MA).....	—	738,185	—	—	—	—	—	1,112	—	—	—
Kendall Square (MA).....	—	5,208	3,994	—	—	—	—	7	32	—	—
Oak Bluffs (MA).....	—	—	—	—	—	—	—	—	—	—	—
West Tisbury (MA).....	—	45	—	—	—	—	—	*	—	—	—
Conn Yankee Atomic Pwr Co	—	—	—	—	-1,540	—	—	—	—	—	—
Haddam Neck (CT).....	—	—	—	—	-1,540	—	—	—	—	—	—
Connecticut Lgt & Pwr Co	—	518,103	10,766	18,145	—	42,947	—	931	121	—	1,449
Bantam (CT).....	—	—	—	68	—	—	—	—	—	—	—
Branford (CT).....	—	44	—	—	—	—	—	*	—	—	1
Bulls Bridge (CT).....	—	—	—	1,966	—	—	—	—	—	—	—
Cos Cob (CT).....	—	165	—	—	—	—	—	*	—	—	7
Devon (CT).....	—	101,957	5,323	—	—	—	—	179	58	—	189
Falls Village (CT).....	—	—	—	1,387	—	—	—	—	—	—	—
Franklin (CT).....	—	114	—	—	—	—	—	*	—	—	1
Middletown (CT).....	—	178,467	4,329	—	—	—	—	333	50	—	541
Montville (CT).....	—	145,059	1,114	—	—	—	—	263	13	—	313
Norwalk Harbor (CT).....	—	90,669	—	—	—	—	—	151	—	—	344
Robertsville (CT).....	—	—	—	17	—	—	—	—	—	—	—
Rocky River (CT).....	—	—	—	3,698	—	—	—	—	—	—	—
Scotland (CT).....	—	—	—	290	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Connecticut Lgt & Pwr Co											
Shepaug (CT).....	—	—	—	5,740	—	—	—	—	—	—	—
South Meadow (CT).....	—	1,354	—	—	—	42,947	—	4	—	—	52
Stevenson (CT).....	—	—	—	4,444	—	—	—	—	—	—	—
Taftville (CT).....	—	—	—	338	—	—	—	—	—	—	—
Torrington (CT).....	—	177	—	—	—	—	—	*	—	—	1
Tunnel (CT).....	—	97	—	197	—	—	—	*	—	—	1
Consol Edison Co N Y Inc.....	—	149,952	329,065	—	724,004	—	—	277	3,561	—	2,498
Arthur Kill (NY).....	—	—	110,078	—	—	—	—	—	1,158	—	—
Astoria (NY).....	—	126,371	163,926	—	—	—	—	210	1,687	—	137
Buchanan (NY).....	—	10	—	—	—	—	—	*	—	—	4
East River (NY).....	—	21,927	10,766	—	—	—	—	51	152	—	130
Gowanus (NY).....	—	2,993	—	—	—	—	—	9	—	—	57
Hudson Avenue (NY).....	—	—	—	—	—	—	—	—	—	—	4
Indian Point (NY).....	—	10	—	—	724,004	—	—	*	—	—	14
Narrows (NY).....	—	577	231	—	—	—	—	2	4	—	61
Oil Storage (NY).....	—	—	—	—	—	—	—	—	—	—	1,686
Oil Storage (NY).....	—	—	—	—	—	—	—	—	—	—	267
Ravenswood (NY).....	—	-1,250	1,027	—	—	—	—	1	19	—	134
Waterside (NY).....	—	984	43,037	—	—	—	—	2	541	—	—
59Th Street (NY).....	—	—	—	—	—	—	—	—	—	—	—
74Th Street (NY).....	—	-1,670	—	—	—	—	—	3	—	—	2
Consumers Power Co.....	1,373,001	11,998	11,124	-48,943	233,096	—	613	34	212	1,210	410
Alcona (MI).....	—	—	—	2,191	—	—	—	—	—	—	—
Allegan Dam (MI).....	—	—	—	909	—	—	—	—	—	—	—
Big Rock Point (MI).....	—	—	—	—	—	—	—	—	—	—	—
Campbell, J H (MI).....	665,378	2,273	—	—	—	—	278	4	—	441	6
Cobb, B C (MI).....	194,169	8	977	—	—	—	95	*	9	478	—
Cooke (MI).....	—	—	—	2,104	—	—	—	—	—	—	—
Croton (MI).....	—	—	—	2,647	—	—	—	—	—	—	—
Five Channels (MI).....	—	—	—	1,989	—	—	—	—	—	—	—
Footo (MI).....	—	—	—	2,534	—	—	—	—	—	—	—
Gaylord (MI).....	—	—	316	—	—	—	—	—	5	—	—
Hardy (MI).....	—	—	—	6,101	—	—	—	—	—	—	—
Hodenpyl (MI).....	—	—	—	3,192	—	—	—	—	—	—	—
Karn, D E (MI).....	134,113	9,101	9,280	—	—	—	62	29	187	113	402
Loud (MI).....	—	—	—	1,519	—	—	—	—	—	—	—
Ludington (MI).....	—	—	—	-80,359	—	—	—	—	—	—	—
Mio (MI).....	—	—	—	1,217	—	—	—	—	—	—	—
Morrow, B E (MI).....	—	—	116	—	—	—	—	—	2	—	—
Palisades (MI).....	—	—	—	—	233,096	—	—	—	—	—	—
Rogers (MI).....	—	—	—	2,002	—	—	—	—	—	—	—
Straits (MI).....	—	—	—	—	—	—	—	—	—	—	—
Thetford (MI).....	—	—	331	—	—	—	—	—	7	—	—
Tippy, C W (MI).....	—	—	—	4,550	—	—	—	—	—	—	—
Weadock, J C (MI).....	208,605	169	104	—	—	—	101	*	2	43	—
Webber (MI).....	—	—	—	461	—	—	—	—	—	—	—
Whiting, J R (MI).....	170,736	447	—	—	—	—	77	1	—	135	3
Cooperative Power Asso.....	758,078	48	—	—	—	—	709	*	—	446	17
Bonifacius (MN).....	—	48	—	—	—	—	—	*	—	—	10
Coal Creek (ND).....	758,078	—	—	—	—	—	709	—	—	446	8
Corn belt Power Coop.....	209	—	3	—	—	—	*	—	*	21	—
Humboldt (IA).....	-30	—	—	—	—	—	—	—	—	—	—
Wisdom, Earl F (IA).....	239	—	3	—	—	—	*	—	*	21	—
Crawfordsville (City of).....	1,121	1	—	—	—	—	1	*	—	2	*
Crawfordsville (IN).....	1,121	1	—	—	—	—	1	*	—	2	*
Dairyland Power Coop.....	374,734	2,092	—	1,881	—	—	209	4	—	979	8
Alma (WI).....	55,412	87	—	—	—	—	31	*	—	160	*
Flambeau (WI).....	—	—	—	1,881	—	—	—	—	—	—	—
Genoa (WI).....	125,858	1,862	—	—	—	—	56	3	—	615	3
J P Madgett (WI).....	193,464	143	—	—	—	—	122	*	—	204	5
Dayton Pwr & Lgt Co (The).....	1,945,210	4,757	5,072	—	—	—	747	9	64	1,286	101
Frank M Tait (OH).....	—	2,110	3,909	—	—	—	—	5	51	—	27

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Dayton Pwr & Lgt Co (The)											
Hutchings (OH).....	29,287	—	1,162	—	—	—	14	—	13	197	1
Killen Station (OH).....	441,091	100	—	—	—	—	177	*	—	204	58
Monument (OH).....	—	—	—	—	—	—	—	—	—	—	1
Sidney (OH).....	—	7	—	—	—	—	—	*	—	—	1
Stuart, J M (OH).....	1,474,832	2,535	—	—	—	—	557	4	—	886	5
Yankee Street (OH).....	—	5	1	—	—	—	—	*	*	—	8
Delmarva Power & Light Co	230,532	56,695	99,488	—	—	—	105	104	912	470	848
Bayview (VA).....	—	512	—	—	—	—	—	1	—	—	1
Christiana (DE).....	—	120	—	—	—	—	—	*	—	—	9
Crisfield (MD).....	—	262	—	—	—	—	—	*	—	—	2
Delaware City (DE).....	—	—6	—	—	—	—	—	—	—	—	4
Edge Moor (DE).....	79,672	41,847	22,744	—	—	—	37	74	319	87	591
Hay Road (DE).....	—	—	76,744	—	—	—	—	—	593	—	69
Indian River (DE).....	150,860	2,351	—	—	—	—	67	5	—	383	9
Madison Street (DE).....	—	—12	—	—	—	—	—	—	—	—	1
Tasley (VA).....	—	348	—	—	—	—	—	1	—	—	10
Vienna (MD).....	—	11,255	—	—	—	—	—	22	—	—	150
West Substation (DE).....	—	18	—	—	—	—	—	*	—	—	2
Denton (City of).....	—	—	16,085	785	—	—	—	—	202	—	25
Lewisdale (TX).....	—	—	—	785	—	—	—	—	—	—	—
Roberts (TX).....	—	—	—	—	—	—	—	—	—	—	—
Spencer (TX).....	—	—	16,085	—	—	—	—	—	202	—	25
Deseret Gen & Trans Coop	301,432	40	—	—	—	—	152	*	—	258	7
Bonanza (UT).....	301,432	40	—	—	—	—	152	*	—	258	7
Detroit (City of).....	—	3,327	19,308	—	—	—	—	8	267	—	112
Mistersky (MI).....	—	3,327	19,308	—	—	—	—	8	267	—	112
Detroit Edison Co (The).....	4,064,512	10,166	111,977	—	827,645	—	2,023	20	2,920	5,750	865
Beacon Heating (MI).....	—	—	7,829	—	—	—	—	—	587	—	7
Belle River (MI).....	709,000	1,092	—	—	—	—	389	2	—	—	17
Central Storage (MI).....	—	—	—	—	—	—	—	—	—	1,073	—
Colfax (MI).....	—	23	—	—	—	—	—	*	—	—	*
Connors Creek (MI).....	—	13	—	—	—	—	—	*	—	—	1
Dayton (MI).....	—	48	—	—	—	—	—	*	—	—	*
Enrico Fermi (MI).....	—	195	—	—	827,645	—	—	1	—	—	11
Greenwood (MI).....	—	4,337	74,073	—	—	—	—	8	820	—	689
Hancock (MI).....	—	—	810	—	—	—	—	—	11	—	—
Harbor Beach (MI).....	12,950	247	—	—	—	—	7	1	—	62	1
Marysville (MI).....	11,520	—	1,258	—	—	—	7	—	18	38	—
Monroe (MI).....	1,937,190	2,286	—	—	—	—	925	4	—	1,639	6
Northeast (MI).....	—	129	—13	—	—	—	—	*	2	—	2
Oliver (MI).....	—	45	—	—	—	—	—	*	—	—	*
Placid (MI).....	—	32	—	—	—	—	—	*	—	—	*
Putnam (MI).....	—	46	—	—	—	—	—	*	—	—	1
River Rouge (MI).....	328,892	—13	26,433	—	—	—	153	*	1,467	74	2
Slocum (MI).....	—	7	—	—	—	—	—	*	—	—	1
St. Clair (MI).....	742,567	566	1,587	—	—	—	381	1	16	2,775	111
Superior (MI).....	—	366	—	—	—	—	—	1	—	—	1
Trenton Channel (MI).....	322,393	712	—	—	—	—	162	1	—	88	16
Wilmott (MI).....	—	35	—	—	—	—	—	*	—	—	1
Douglas Pub Util Dist #1.....	—	—	—	353,070	—	—	—	—	—	—	—
Wells (WA).....	—	—	—	353,070	—	—	—	—	—	—	—
Dover (City of).....	—	4,168	—	—	—	—	—	8	—	—	56
Mckee Run (DE).....	—	4,168	—	—	—	—	—	8	—	—	51
Van Sant (DE).....	—	—	—	—	—	—	—	—	—	—	5
Dover (City of).....	6,744	1	452	—	—	—	5	*	7	1	*
Dover (OH).....	6,744	1	452	—	—	—	5	*	7	1	*
Duke Power Co.....	2,854,093	6,740	1,069	64,005	4,943,624	—	1,063	15	22	2,052	318
Allen (NC).....	127,375	1,291	—	—	—	—	52	2	—	348	1
Bad Creek (SC).....	—	—	—	—32,657	—	—	—	—	—	—	—
Bear Creek (NC).....	—	—	—	3,817	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Duke Power Co											
Belews Creek (NC).....	1,340,542	1,016	—	—	—	—	485	2	—	440	5
Bridgewater (NC).....	—	—	—	690	—	—	—	—	—	—	—
Bryson (NC).....	—	—	—	261	—	—	—	—	—	—	—
Buck (NC).....	71,796	637	27	—	—	—	33	1	*	135	13
Buzzard Roost (SC).....	—	5	44	2,708	—	—	—	*	3	—	21
Catawba (NC).....	—	—	—	—	1,736,229	—	—	—	—	—	—
Cedar Cliff (NC).....	—	—	—	2,959	—	—	—	—	—	—	—
Cedar Creek (SC).....	—	—	—	5,680	—	—	—	—	—	—	—
Cliffside (NC).....	239,329	564	—	—	—	—	92	1	—	220	2
Cowans Ford (NC).....	—	—	—	5,018	—	—	—	—	—	—	—
Dan River (NC).....	-913	—	-52	—	—	—	*	*	—	117	9
Dearborn (SC).....	—	—	—	8,138	—	—	—	—	—	—	—
Dillsboro (NC).....	—	—	—	34	—	—	—	—	—	—	—
Fishing Creek (SC).....	—	—	—	6,336	—	—	—	—	—	—	—
Franklin (NC).....	—	—	—	193	—	—	—	—	—	—	—
Gaston Shoals (SC).....	—	—	—	1,713	—	—	—	—	—	—	—
Great Falls (SC).....	—	—	—	330	—	—	—	—	—	—	—
Jocassee (SC).....	—	—	—	-6,716	—	—	—	—	—	—	—
Keowee (SC).....	—	—	—	5,332	—	—	—	—	—	—	—
Lee (SC).....	8,020	-27	—	—	—	—	3	1	—	154	11
Lincoln (NC).....	—	1,961	1,103	—	—	—	—	6	17	—	222
Lookout Shoals (NC).....	—	—	—	4,576	—	—	—	—	—	—	—
Marshall (NC).....	1,025,193	1,294	—	—	—	—	378	2	—	403	10
Mc Guire (NC).....	—	—	—	—	1,720,231	—	—	—	—	—	—
Mission (NC).....	—	—	—	—	—	—	—	—	—	—	—
Mountain Island (NC).....	—	—	—	2,982	—	—	—	—	—	—	—
Nantahala (NC).....	—	—	—	11,862	—	—	—	—	—	—	—
Oconee (SC).....	—	—	—	—	1,487,164	—	—	—	—	—	—
Oxford (NC).....	—	—	—	6,730	—	—	—	—	—	—	—
Queens Creek (NC).....	—	—	—	328	—	—	—	—	—	—	—
Rhodhiss (NC).....	—	—	—	2,765	—	—	—	—	—	—	—
Riverbend (NC).....	42,751	-1	-53	—	—	—	19	1	1	234	25
Rocky Creek (SC).....	—	—	—	883	—	—	—	—	—	—	—
Tennessee Creek (NC).....	—	—	—	3,337	—	—	—	—	—	—	—
Thorpe (NC).....	—	—	—	5,393	—	—	—	—	—	—	—
Tuckasegee (NC).....	—	—	—	575	—	—	—	—	—	—	—
Tuxedo (NC).....	—	—	—	887	—	—	—	—	—	—	—
Wateree (SC).....	—	—	—	10,403	—	—	—	—	—	—	—
Wylie (SC).....	—	—	—	5,759	—	—	—	—	—	—	—
99 Islands (SC).....	—	—	—	3,689	—	—	—	—	—	—	—
Duquesne Lgt Co	460,067	728	1,264	—	1,240,144	—	203	4	12	408	31
Beaver Valley (PA).....	—	—	—	—	1,240,144	—	—	—	—	—	—
Brunot Island (PA).....	—	-1,065	—	—	—	—	—	2	—	—	29
Cheswick (PA).....	316,699	—	1,264	—	—	—	123	—	12	260	—
Elrama (PA).....	143,368	1,793	—	—	—	—	80	2	—	148	2
Phillips, F (PA).....	—	—	—	—	—	—	—	—	—	—	—
East Kentucky Power Coop	847,775	613	2,888	—	—	—	346	1	35	566	96
Cooper (KY).....	171,388	92	—	—	—	—	71	*	—	113	1
Dale (KY).....	102,886	181	—	—	—	—	48	*	—	46	*
Smith (KY).....	—	179	2,888	—	—	—	—	*	35	—	91
Spurlock, H L (KY).....	573,501	161	—	—	—	—	227	*	—	406	3
Easton (City of)	—	44	—	—	—	—	—	*	—	—	14
Easton (MD).....	—	44	—	—	—	—	—	*	—	—	7
Easton No. 2 (MD).....	—	—	—	—	—	—	—	—	—	—	8
Edison Sault Electric Co	—	-4	—	12,718	—	—	—	*	—	—	*
Edison Sault (MI).....	—	—	—	12,718	—	—	—	—	—	—	—
Manistique (MI).....	—	-4	—	—	—	—	—	*	—	—	*
El Paso Electric Co	—	—	226,717	—	—	—	—	—	2,594	—	70
Copper (TX).....	—	—	2,881	—	—	—	—	—	47	—	6
Newman (TX).....	—	—	166,487	—	—	—	—	—	1,883	—	33
Rio Grande (NM).....	—	—	57,349	—	—	—	—	—	664	—	31
Electric Energy Inc	720,398	115	5,679	—	—	—	438	*	58	610	*
Joppa Steam (IL).....	720,398	115	5,679	—	—	—	438	*	58	610	*

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Empire District Elec Co	164,888	2,248	13,976	843	—	—	104	5	178	204	72
Asbury (MO).....	122,658	180	—	—	—	—	77	*	—	163	1
Energy Center (MO).....	—	-97	—	—	—	—	—	—	—	—	49
Ozark Beach (MO).....	—	—	—	843	—	—	—	—	—	—	—
Riverton (KS).....	42,230	38	203	—	—	—	27	*	2	40	8
State Line (MO).....	—	2,127	13,773	—	—	—	—	5	176	—	15
Eugene (City of)	—	—	—	47,515	—	—	—	—	—	—	—
Carmen (OR).....	—	—	—	33,206	—	—	—	—	—	—	—
Leaburg (OR).....	—	—	—	8,539	—	—	—	—	—	—	—
Walterville (OR).....	—	—	—	5,770	—	—	—	—	—	—	—
Willamette (OR).....	—	—	—	—	—	—	—	—	—	—	—
Fairmont (City of)	—	-6	-32	—	—	—	—	*	1	—	1
Fairmont (MN).....	—	-6	-32	—	—	—	—	*	1	—	1
Farmington (City of)	—	—	14,358	—	—	—	—	—	132	—	—
Animas (NM).....	—	—	14,358	—	—	—	—	—	132	—	—
Navajo (NM).....	—	—	—	—	—	—	—	—	—	—	—
Fayetteville (City of)	—	13	875	—	—	—	—	*	18	—	65
Pod #2 (NC).....	—	13	875	—	—	—	—	*	18	—	65
Fitchburg Gas & Elec Lgt	—	—	—	—	—	—	—	—	—	—	—
Fitchburg (MA).....	—	—	—	—	—	—	—	—	—	—	—
Florida Power & Light Co	—	1,743,569	1,639,418	—	2,031,686	—	—	2,784	13,044	—	5,373
Cape Canaveral (FL).....	—	249,385	72,559	—	—	—	—	381	655	—	565
Cutler (FL).....	—	—	—	—	—	—	—	—	—	—	—
Fort Meyers (FL).....	—	238,725	—	—	—	—	—	357	—	—	461
Lauderdale (FL).....	—	—	423,933	—	—	—	—	—	3,377	—	162
Manatee (FL).....	—	357,566	—	—	—	—	—	595	—	—	1,388
Martin (FL).....	—	47,392	634,477	—	—	—	—	76	4,370	—	822
Port Everglades (FL).....	—	250,596	110,997	—	—	—	—	394	1,199	—	759
Putnam (FL).....	—	38	193,589	—	—	—	—	*	1,661	—	41
Riviera (FL).....	—	281,343	55,328	—	—	—	—	440	560	—	198
Sanford (FL).....	—	168,521	61,661	—	—	—	—	317	444	—	522
St. Lucie (FL).....	—	—	—	—	991,795	—	—	—	—	—	—
Turkey Point (FL).....	—	150,003	86,874	—	1,039,891	—	—	224	777	—	453
Florida Power Corporation	980,016	655,287	59,847	—	573,117	—	361	1,006	777	621	1,403
Anclote (FL).....	—	476,195	—	—	—	—	—	722	—	—	249
Avon Park (FL).....	—	—	1,080	—	—	—	—	—	16	—	6
Bartow Nth (FL).....	—	—	—	—	—	—	—	—	—	—	141
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—	128
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—	*
Bartow, P L (FL).....	—	168,377	7,653	—	—	—	—	262	115	—	181
Bayboro (FL).....	—	193	—	—	—	—	—	1	—	—	42
Crystal River (FL).....	980,016	4,811	—	—	573,117	—	361	8	—	621	15
Debary (FL).....	—	1,666	11,038	—	—	—	—	4	140	—	256
Higgins (FL).....	—	—	2,324	—	—	—	—	—	34	—	9
Hines Energy (FL).....	—	—	—	—	—	—	—	—	—	—	—
Intercession City (FL).....	—	3,584	24,559	—	—	—	—	9	286	—	211
Port St. Joe (FL).....	—	—	—	—	—	—	—	—	—	—	—
Rio Pinar (FL).....	—	—	—	—	—	—	—	—	—	—	2
Suwannee River (FL).....	—	163	94	—	—	—	—	*	3	—	113
Tiger Bay (FL).....	—	—	2,091	—	—	—	—	—	20	—	—
Turner, G E (FL).....	—	298	—	—	—	—	—	1	—	—	50
Univ Proj (FL).....	—	—	11,008	—	—	—	—	—	163	—	1
Fort Pierce (City of)	—	—	121	—	—	—	—	—	4	—	21
King (FL).....	—	—	121	—	—	—	—	—	4	—	21
Freeport (Village of)	—	-212	—	—	—	—	—	*	—	—	6
Plant No 1 (NY).....	—	-76	—	—	—	—	—	*	—	—	1
Plant No 2 (NY).....	—	-136	—	—	—	—	—	*	—	—	5
Fremont (City of)	24,564	77	637	—	—	—	16	*	7	62	1
Lon Wright (NE).....	24,564	77	637	—	—	—	16	*	7	62	1

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Fulton (City of).....	—	—	—	—	—	—	—	—	—	—	3
Fulton (MO).....	—	—	—	—	—	—	—	—	—	—	3
Gainesville (City of).....	116,420	—	11,220	—	—	—	49	—	142	101	111
Deerhaven (FL).....	116,420	—	11,410	—	—	—	49	—	142	101	69
Kelly, J R (FL).....	—	—	-190	—	—	—	—	—	*	—	42
Gardner (City of).....	—	—	—	—	—	—	—	—	—	—	—
Gardner (KS).....	—	—	—	—	—	—	—	—	—	—	—
Garland Mun Utils (City).....	—	—	68,172	—	—	—	—	—	751	—	107
Newman, C E (TX).....	—	—	1,206	—	—	—	—	—	18	—	17
Olinger, Ray (TX).....	—	—	66,966	—	—	—	—	—	732	—	89
Georgia Power Co.....	4,720,969	8,080	1,459	108,978	3,018,600	—	2,051	18	17	3,319	588
Arkwright (GA).....	-411	-41	—	—	—	—	—	*	—	41	17
Atkinson (GA).....	—	-362	35	—	—	—	—	*	1	—	101
Barnett Shoals (GA).....	—	—	—	-3	—	—	—	—	—	—	—
Bartlett Ferry (GA).....	—	—	—	20,389	—	—	—	—	—	—	—
Bowen (GA).....	977,028	1,620	—	—	—	—	396	3	—	729	12
Burton (GA).....	—	—	—	1,233	—	—	—	—	—	—	—
Estatoah (GA).....	—	—	—	—	—	—	—	—	—	—	—
Flint River (GA).....	—	—	—	2,510	—	—	—	—	—	—	—
Goat Rock (GA).....	—	—	—	9,580	—	—	—	—	—	—	—
Hammond (GA).....	204,510	1,253	—	—	—	—	91	2	—	140	2
Harlee Branch (GA).....	597,001	646	—	—	—	—	242	1	—	264	1
Hatch, Edwin I. (GA).....	—	—	—	—	1,254,013	—	—	—	—	—	—
Langdale (GA).....	—	—	—	216	—	—	—	—	—	—	—
Lloyd Shoals (GA).....	—	—	—	4,751	—	—	—	—	—	—	—
McDonough, J (GA).....	314,713	147	221	—	—	—	120	*	2	—	—
Mcmanus (GA).....	—	-327	—	—	—	—	—	*	—	—	131
Mitchell, W (GA).....	163	77	—	—	—	—	1	1	—	5	42
Morgan Falls (GA).....	—	—	—	2,342	—	—	—	—	—	—	—
Nacoochee (GA).....	—	—	—	834	—	—	—	—	—	—	—
North Highlands (GA).....	—	—	—	5,812	—	—	—	—	—	—	—
Oliver Dam (GA).....	—	—	—	11,547	—	—	—	—	—	—	—
Riverview (GA).....	—	—	—	251	—	—	—	—	—	—	—
Robins (GA).....	—	2,057	1,203	—	—	—	—	4	14	—	32
Scherer (GA).....	1,670,873	805	—	—	—	—	810	1	—	1,357	21
Sinclair Dam (GA).....	—	—	—	1,425	—	—	—	—	—	—	—
Tallulah Falls (GA).....	—	—	—	6,772	—	—	—	—	—	—	—
Terrora (GA).....	—	—	—	2,094	—	—	—	—	—	—	—
Tugalo (GA).....	—	—	—	5,087	—	—	—	—	—	—	—
Vogtle (GA).....	—	—	—	—	1,764,587	—	—	—	—	—	—
Wallace Dam (GA).....	—	—	—	32,041	—	—	—	—	—	—	—
Wansley (GA).....	797,663	1,225	—	—	—	—	320	2	—	403	33
Wilson (GA).....	—	353	—	—	—	—	—	1	—	—	194
Yates (GA).....	159,429	627	—	—	—	—	71	1	—	380	3
Yonah (GA).....	—	—	—	2,097	—	—	—	—	—	—	—
Glencoe (City of).....	—	13	—	—	—	—	—	*	—	—	1
Glencoe (MN).....	—	13	—	—	—	—	—	*	—	—	1
Glendale (City of).....	—	—	24,515	—	—	—	—	—	317	—	40
Grayson (CA).....	—	—	24,515	—	—	—	—	—	317	—	40
Golden Valley Elec Assn.....	15,847	54,950	—	—	—	—	14	97	—	—	5
Chena (AK).....	—	-18	—	—	—	—	—	*	—	—	*
Fairbanks (AK).....	—	246	—	—	—	—	—	1	—	—	2
Healy (AK).....	15,847	98	—	—	—	—	14	*	—	—	1
North Pole (AK).....	—	54,624	—	—	—	—	—	96	—	—	1
Grand Haven (City of).....	35,341	1	—	—	—	—	17	*	—	80	10
Harbor Avenue (MI).....	—	1	—	—	—	—	—	*	—	—	10
J B Simms (MI).....	35,341	—	—	—	—	—	17	—	—	80	—
Grand Island (City of).....	50,597	—	—	—	—	—	31	—	—	82	56
Burdick, C W (NE).....	—	—	—	—	—	—	—	—	—	—	56
Platte (NE).....	50,597	—	—	—	—	—	31	—	—	82	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Grand River Dam Authority	535,011	—	5,178	80,916	—	—	334	—	55	764	2
GRDA No 1 (OK).....	535,011	—	5,178	—	—	—	334	—	55	764	2
Markham (OK).....	—	—	—	34,687	—	—	—	—	—	—	—
Pensacola (OK).....	—	—	—	53,569	—	—	—	—	—	—	—
Salina (OK).....	—	—	—	-7,340	—	—	—	—	—	—	—
Grant Pub Util Dist #2	—	—	—	871,239	—	—	—	—	—	—	—
Pec Hdws (WA).....	—	—	—	—	—	—	—	—	—	—	—
Priest Rapids (WA).....	—	—	—	432,293	—	—	—	—	—	—	—
Quincy Chut (WA).....	—	—	—	—	—	—	—	—	—	—	—
Wanapum (WA).....	—	—	—	438,946	—	—	—	—	—	—	—
Green Mountain Power Corp	—	998	—	13,400	—	—	—	3	—	—	12
Berlin (VT).....	—	668	—	—	—	—	—	2	—	—	9
Bolton Falls (VT).....	—	—	—	2,931	—	—	—	—	—	—	—
Carthusians (VT).....	—	—	—	—	—	—	—	—	—	—	—
Colchester (VT).....	—	248	—	—	—	—	—	1	—	—	2
Essex Junction 19 (VT).....	—	69	—	4,042	—	—	—	*	—	—	*
Gorge 18 (VT).....	—	—	—	1,445	—	—	—	—	—	—	—
Marshfield 6 (VT).....	—	—	—	999	—	—	—	—	—	—	—
Middlesex 2 (VT).....	—	—	—	1,470	—	—	—	—	—	—	—
Searsburg (VT).....	—	—	—	—	—	—	—	—	—	—	—
Vergennes 9 (VT).....	—	13	—	698	—	—	—	*	—	—	*
Waterbury 22 (VT).....	—	—	—	1,380	—	—	—	—	—	—	—
West Danville 15 (VT).....	—	—	—	435	—	—	—	—	—	—	—
Greenville (City of)	—	—	—	—	—	—	—	—	—	—	—
Steam (TX).....	—	—	—	—	—	—	—	—	—	—	—
Steam (TX).....	—	—	—	—	—	—	—	—	—	—	—
Greenwood Utils (City of)	—	—	3,021	—	—	—	—	—	47	9	6
Henderson (MS).....	—	—	2,427	—	—	—	—	—	41	9	4
Wright (MS).....	—	—	594	—	—	—	—	—	6	*	2
Gulf Power Company	676,002	807	1,843	—	—	—	296	1	20	246	10
Crist (FL).....	477,453	379	1,843	—	—	—	210	1	20	173	2
Scholz (FL).....	4,713	16	—	—	—	—	2	*	—	13	*
Smith (FL).....	193,836	412	—	—	—	—	83	1	—	60	8
Gulf States Utilities Co	168,895	450	1,395,777	48,508	696,411	—	114	1	14,525	330	663
Lewis Creek (TX).....	—	—	248,812	—	—	—	—	—	2,535	—	34
Louisiana 1 (LA).....	—	—	76,642	—	—	—	—	—	943	—	—
Louisiana 2 (LA).....	—	—	—	—	—	—	—	—	—	—	—
Neches (TX).....	—	—	—	—	—	—	—	—	—	—	—
Nelson, R S (LA).....	168,895	288	156,604	—	—	—	114	1	1,754	330	109
River Bend (LA).....	—	—	—	—	696,411	—	—	—	—	—	—
Sabine (TX).....	—	33	824,159	—	—	—	—	*	8,206	—	*
Toledo Bend (TX).....	—	—	—	48,508	—	—	—	—	—	—	—
Willow Glen (LA).....	—	129	89,560	—	—	—	—	*	1,087	—	520
GPU Nuclear Corp	—	—	—	—	1,077,050	—	—	—	—	—	—
Oyster Creek (NJ).....	—	—	—	—	468,254	—	—	—	—	—	—
Three Mile Island (PA).....	—	—	—	—	608,796	—	—	—	—	—	—
Hamilton (City of)	28,003	7	807	30,022	—	—	14	*	10	6	3
Hamilton (OH).....	28,003	7	807	—	—	—	14	*	10	6	3
Hamilton Hydro (OH).....	—	—	—	333	—	—	—	—	—	—	—
Vanceburg Hydro (KY).....	—	—	—	29,689	—	—	—	—	—	—	—
Hastings (City of)	41,528	—	-229	—	—	—	27	*	1	56	11
Don Henry (NE).....	—	—	1	—	—	—	—	—	*	—	2
North Denver (NE).....	—	—	-230	—	—	—	—	*	1	—	7
Whelan (NE).....	41,528	—	—	—	—	—	27	—	—	56	3
Hawaii Electric Light Co	—	50,067	—	2,142	—	312	—	112	—	—	63
Kanoolehua (HI).....	—	1,805	—	—	—	—	—	3	—	—	4
Keahole (HI).....	—	6,085	—	—	—	—	—	14	—	—	5
Lalamilo (HI).....	—	—	—	—	—	312	—	—	—	—	—
Puna (HI).....	—	15,632	—	—	—	—	—	37	—	—	18
Puueo (HI).....	—	—	—	1,691	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Hawaii Electric Light Co											
Shipman (HI).....	—	2,971	—	—	—	—	—	8	—	—	5
W. H. Hill (HI).....	—	23,150	—	—	—	—	—	49	—	—	30
Waiau (HI).....	—	—	—	451	—	—	—	—	—	—	—
Waimea (HI).....	—	424	—	—	—	—	—	1	—	—	2
Hawaiian Elec Co Inc	—	342,198	—	—	—	—	—	568	—	—	660
Honolulu (HI).....	—	1,773	—	—	—	—	—	6	—	—	51
Kahe (HI).....	—	258,156	—	—	—	—	—	423	—	—	214
Oil Storage (CA).....	—	—	—	—	—	—	—	—	—	—	241
Waiau (HI).....	—	82,269	—	—	—	—	—	139	—	—	154
Henderson (City of)	3,664	1	—	—	—	—	3	*	—	*	*
Henderson (KY).....	3,664	1	—	—	—	—	3	*	—	*	*
Hetch Hetchy Water & Pwr	—	—	—	135,155	—	—	—	—	—	—	—
Holm, Dion R (CA).....	—	—	—	71,127	—	—	—	—	—	—	—
Kirkwood, Robert C (CA).....	—	—	—	33,073	—	—	—	—	—	—	—
Moccasin (CA).....	—	—	—	30,253	—	—	—	—	—	—	—
Moccasin Low (CA).....	—	—	—	702	—	—	—	—	—	—	—
Hibbing (City of)	3,075	—	15	—	—	—	3	—	*	1	—
Hibbing (MN).....	3,075	—	15	—	—	—	3	—	*	1	—
Holland (City of)	28,198	4	19	—	—	—	15	*	*	80	7
James De Young (MI).....	28,198	4	19	—	—	—	15	*	*	80	*
48 Street (MI).....	—	—	—	—	—	—	—	—	—	—	6
6Th Street (MI).....	—	—	—	—	—	—	—	—	—	—	*
Holyoke (City of)	—	-1	-9	508	—	—	—	*	7	—	19
Cabot-Holyoke (MA).....	—	-1	-9	508	—	—	—	*	7	—	19
Holyoke Wtr Pwr Co	87,596	186	—	21,878	—	—	33	*	—	89	*
Boatlock (MA).....	—	—	—	1,216	—	—	—	—	—	—	—
Chemical (MA).....	—	—	—	258	—	—	—	—	—	—	—
Hadley Falls (MA).....	—	—	—	18,771	—	—	—	—	—	—	—
Holbrook, Beebe (MA).....	—	—	—	14	—	—	—	—	—	—	—
Mt Tom (MA).....	87,596	186	—	—	—	—	33	*	—	89	*
Riverside (MA).....	—	—	—	1,517	—	—	—	—	—	—	—
Skinner (MA).....	—	—	—	102	—	—	—	—	—	—	—
Homestead (City of)	—	479	4,311	—	—	—	—	1	42	—	7
G W Ivey (FL).....	—	479	4,311	—	—	—	—	1	42	—	7
Hoosier Energy Rural	735,979	1,287	—	—	—	—	339	2	—	534	9
Merom (IN).....	601,130	1,076	—	—	—	—	274	2	—	499	8
Ratts (IN).....	134,849	211	—	—	—	—	65	*	—	35	*
Houston Lighting & Pwr Co	2,576,617	3,831	1,027,332	—	1,825,447	—	1,795	8	11,087	1,524	176
Bertron, Sam (TX).....	—	—	70,548	—	—	—	—	—	788	—	—
Cedar Bayou (TX).....	—	1,282	344,385	—	—	—	—	3	3,936	—	106
Clarke, Hiram (TX).....	—	—	-88	—	—	—	—	—	—	—	—
Deepwater (TX).....	—	—	4,618	—	—	—	—	—	73	—	—
Greens Bayou (TX).....	—	2,549	40,567	—	—	—	—	5	465	—	70
Limestone (TX).....	1,088,968	—	10,457	—	—	—	871	—	108	373	—
Oil Storage (TX).....	—	—	—	—	—	—	—	—	—	—	—
Parish, W A (TX).....	1,487,649	—	26,979	—	—	—	924	—	349	1,151	—
Robinson, P H (TX).....	—	—	238,403	—	—	—	—	—	2,444	—	—
San Jacinto (TX).....	—	—	128,926	—	—	—	—	—	1,428	—	—
South Texas (TX).....	—	—	—	—	1,825,447	—	—	—	—	—	—
Webster (TX).....	—	—	1,811	—	—	—	—	—	29	—	—
Wharton, T H (TX).....	—	—	160,726	—	—	—	—	—	1,467	—	—
Hutchinson (City of)	—	17	40	—	—	—	—	*	1	—	4
Plant No. 1 (MN).....	—	17	40	—	—	—	—	*	1	—	1
Plant No. 2 (MN).....	—	—	—	—	—	—	—	—	—	—	3
Idaho Power Co	—	4	—	928,096	—	—	—	*	—	—	*
American Falls (ID).....	—	—	—	42,279	—	—	—	—	—	—	—
Bliss (ID).....	—	—	—	34,667	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Idaho Power Co											
Brownlee (ID)	—	—	—	272,604	—	—	—	—	—	—	—
Cascade (ID)	—	—	—	3,205	—	—	—	—	—	—	—
Clear Lake (ID)	—	—	—	1,321	—	—	—	—	—	—	—
Hells Canyon (OR)	—	—	—	210,400	—	—	—	—	—	—	—
Lower Malad (ID)	—	—	—	9,654	—	—	—	—	—	—	—
Lower Salmon (ID)	—	—	—	42,559	—	—	—	—	—	—	—
Milner (ID)	—	—	—	41,349	—	—	—	—	—	—	—
Oxbow (OR)	—	—	—	111,171	—	—	—	—	—	—	—
Salmon (ID)	—	4	—	—	—	—	—	*	—	—	*
Shoshone Falls (ID)	—	—	—	9,902	—	—	—	—	—	—	—
Strike, C J (ID)	—	—	—	66,555	—	—	—	—	—	—	—
Swan Falls (ID)	—	—	—	7,871	—	—	—	—	—	—	—
Thousand Springs (ID)	—	—	—	5,351	—	—	—	—	—	—	—
Twin Falls (ID)	—	—	—	38,885	—	—	—	—	—	—	—
Upper Malad (ID)	—	—	—	5,021	—	—	—	—	—	—	—
Upper Salmon (ID)	—	—	—	13,083	—	—	—	—	—	—	—
Upper Salmon (ID)	—	—	—	12,219	—	—	—	—	—	—	—
Illinois Power Co	1,429,578	9,125	5,471	—	-8,458	—	670	3	84	888	82
Baldwin (IL)	796,721	323	—	—	—	—	375	1	—	613	2
Clinton (IL)	—	—	—	—	-8,458	—	—	—	—	—	—
Havana (IL)	225,445	1,236	161	—	—	—	107	2	2	87	72
Hennepin (IL)	133,388	7,566	464	—	—	—	59	—	4	42	—
Oglesby (IL)	—	—	—	—	—	—	—	—	—	—	8
Stallings (IL)	—	—	-28	—	—	—	—	—	—	—	—
Vermilion (IL)	81,574	—	633	—	—	—	43	—	7	32	*
Wood River (IL)	192,450	—	4,241	—	—	—	86	—	71	114	—
Imperial Irrigation Dist	—	—	15,696	31,503	—	—	—	—	187	—	135
Brawley (CA)	—	—	—	—	—	—	—	—	—	—	—
Coachella (CA)	—	—	2	—	—	—	—	—	*	—	12
Double Weir (CA)	—	—	—	—	—	—	—	—	—	—	—
Drop No 1 (CA)	—	—	—	1,265	—	—	—	—	—	—	—
Drop No. 5 (CA)	—	—	—	731	—	—	—	—	—	—	—
Drop 2 (CA)	—	—	—	3,044	—	—	—	—	—	—	—
Drop 3 (CA)	—	—	—	2,392	—	—	—	—	—	—	—
Drop 4 (CA)	—	—	—	5,652	—	—	—	—	—	—	—
E Highline (CA)	—	—	—	243	—	—	—	—	—	—	—
El Centro (CA)	—	—	15,694	—	—	—	—	—	187	—	105
Pilot Knob (CA)	—	—	—	18,061	—	—	—	—	—	—	—
Rockwood (CA)	—	—	—	—	—	—	—	—	—	—	18
Turnip (CA)	—	—	—	115	—	—	—	—	—	—	—
Independence (City of)	18,376	-179	404	—	—	—	12	*	5	27	17
Blue Valley (MO)	18,376	—	404	—	—	—	12	—	5	14	10
Jackson Square (MO)	—	4	—	—	—	—	—	*	—	—	2
Missouri City (MO)	—	-183	—	—	—	—	—	*	—	13	1
Station H (MO)	—	—	—	—	—	—	—	—	—	—	1
Station I (MO)	—	—	—	—	—	—	—	—	—	—	2
Indiana Michigan Power Co	2,142,554	3,775	—	8,080	—	—	1,130	6	—	1,186	17
Berrien Springs (MI)	—	—	—	2,605	—	—	—	—	—	—	—
Buchanan (MI)	—	—	—	1,438	—	—	—	—	—	—	—
Constantine (MI)	—	—	—	394	—	—	—	—	—	—	—
Cook, Donald C. (MI)	—	—	—	—	—	—	—	—	—	—	—
Elkhart (IN)	—	—	—	965	—	—	—	—	—	—	—
Fourth Street (IN)	—	—	—	—	—	—	—	—	—	—	*
Mottville (MI)	—	—	—	446	—	—	—	—	—	—	—
Rockport (IN)	1,784,990	2,009	—	—	—	—	987	3	—	918	13
Tanners Creek (IN)	357,564	1,766	—	—	—	—	143	3	—	268	4
Twin Branch (IN)	—	—	—	2,232	—	—	—	—	—	—	—
Indiana Mun Power Agency	—	5	46	—	—	—	—	*	1	—	12
Anderson (IN)	—	5	46	—	—	—	—	*	1	—	12
Indiana-Kentucky El Corp	733,566	357	—	—	—	—	373	1	—	582	3
Clifty Creek (IN)	733,566	357	—	—	—	—	373	1	—	582	3
Indianapolis Pwr & Lgt Co	1,431,878	1,466	1,350	—	—	—	672	3	21	1,697	83

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Indianapolis Pwr & Lgt Co											
Perry K (IN).....	—	—	-802	—	—	—	—	—	—	55	5
Petersburg (IN).....	1,077,065	314	—	—	—	—	503	1	—	1,163	9
Pritchard, H T (IN).....	81,778	373	—	—	—	—	42	1	—	235	10
Stout, Elmer W (IN).....	273,035	779	2,152	—	—	—	126	1	21	245	59
Indianola (City of).....	—	-25	-3	—	—	—	—	*	*	—	21
Indianola (IA).....	—	-25	-3	—	—	—	—	*	*	—	21
International Bound & Water											
Comm.....	—	—	—	—	—	—	—	—	—	—	—
Amistad (TX).....	—	—	—	—	—	—	—	—	—	—	—
Falcon (TX).....	—	—	—	—	—	—	—	—	—	—	—
Interstate Power Co	189,797	572	-24	—	—	—	112	2	1	725	20
Dubuque (IA).....	28,776	-7	3	—	—	—	17	*	*	95	*
Fox Lake (MN).....	—	117	-138	—	—	—	—	1	—	—	12
Hills (MN).....	—	-21	—	—	—	—	—	—	—	—	*
Kapp, M L (IA).....	84,092	—	111	—	—	—	40	—	1	214	—
Lansing (IA).....	76,929	591	—	—	—	—	56	1	—	417	2
Lime Creek (IA).....	—	-90	—	—	—	—	—	*	—	—	4
Montgomery (MN).....	—	-14	—	—	—	—	—	—	—	—	2
New Albin (IA).....	—	-4	—	—	—	—	—	*	—	—	*
Rushford (MN).....	—	—	—	—	—	—	—	—	—	—	—
Iola (City of).....	—	—	—	—	—	—	—	—	—	—	2
Iola (KS).....	—	—	—	—	—	—	—	—	—	—	2
IES Utilities Co	732,608	143	6,024	463	315,170	1,290	467	1	92	808	37
Ames (IA).....	—	—	—	—	—	—	—	—	—	—	1
Anamosa (IA).....	—	—	—	104	—	—	—	—	—	—	—
Arnold, Duane (IA).....	—	—	—	—	315,170	—	—	—	—	—	—
Burlington (IA).....	86,256	—	168	—	—	—	53	—	2	75	1
Centerville (IA).....	—	-117	—	—	—	—	—	—	—	—	6
Grinnell (IA).....	—	—	-49	—	—	—	—	—	—	—	—
Iowa Falls (IA).....	—	—	—	-3	—	—	—	—	—	—	—
Maquoketa (IA).....	—	—	—	362	—	—	—	—	—	—	—
Marshalltown (IA).....	—	255	—	—	—	—	—	1	—	—	21
Ottumwa (IA).....	464,592	—	—	—	—	—	293	—	—	522	8
Prairie Creek (IA).....	84,410	5	262	—	—	—	53	*	3	85	*
Sutherland (IA).....	86,839	—	3,352	—	—	—	57	—	39	123	—
6Th Street (IA).....	10,511	—	2,291	—	—	1,290	11	—	48	4	1
Jacksonville (City of).....	640,297	398,128	75,627	—	—	—	264	393	754	348	1,321
Kennedy, J D (FL).....	—	2,834	4,390	—	—	—	—	7	59	—	239
Northside (FL).....	—	239,742	68,018	—	—	—	—	379	642	—	899
Southside (FL).....	—	64	3,219	—	—	—	—	*	52	—	178
St. Johns River.....	640,297	155,488	—	—	—	—	264	7	—	348	4
Jamestown (City of).....	10,459	19	—	—	—	—	7	*	—	4	*
Carlson, S A (NY).....	10,459	19	—	—	—	—	7	*	—	4	*
Jersey Central Power&Light											
Co.....	—	6,486	6,725	-12,556	—	—	—	11	117	—	252
Forked River (NJ).....	—	1,023	4	—	—	—	—	2	*	—	10
Gardner, Glen (NJ).....	—	—	-9	—	—	—	—	—	—	—	16
Gilbert (NJ).....	—	5,868	7,777	—	—	—	—	8	115	—	145
Sayreville (NJ).....	—	—	-1,047	—	—	—	—	*	2	—	65
Werner (NJ).....	—	-405	—	—	—	—	—	—	—	—	16
Yards Creek (NJ).....	—	—	—	-12,556	—	—	—	—	—	—	—
Kansas City (City of).....	215,803	684	1,204	—	—	—	138	2	29	346	14
Kaw (KS).....	—	—	—	—	—	—	—	—	—	—	*
Nearman Creek (KS).....	137,605	571	—	—	—	—	92	1	—	275	4
Quindaro (KS).....	78,198	113	1,204	—	—	—	46	1	29	71	10
Kansas City Pwr & Lgt Co	1,280,164	19,935	12,592	—	—	—	812	36	127	1,611	141
Grand Ave (MO).....	—	—	—	—	—	—	—	—	—	—	—
Hawthorn (MO).....	166,361	430	12,592	—	—	—	102	1	127	185	3
Iatan (MO).....	454,220	75	—	—	—	—	263	*	—	356	9

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Kansas City Pwr & Lgt Co											
La Cygne (KS).....	452,688	13,406	—	—	—	—	311	21	—	803	20
Montrose (MO).....	206,895	2,116	—	—	—	—	136	3	—	267	11
Northeast (MO).....	—	3,908	—	—	—	—	—	11	—	—	99
Kauai Electric Company	—	30,955	—	—	—	—	—	56	—	—	—
Port Allen (HI).....	—	30,955	—	—	—	—	—	56	—	—	—
Kennett (City of)	—	6	45	—	—	—	—	*	*	—	6
Kennett (MO).....	—	6	45	—	—	—	—	*	*	—	6
Kentucky Power Co	719,801	330	—	—	—	—	278	1	—	270	7
Big Sandy (KY).....	719,801	330	—	—	—	—	278	1	—	270	7
Kentucky Utilities Co	1,532,316	1,006	778	1,934	—	—	661	4	19	866	83
Brown, E W (KY).....	326,849	111	813	—	—	—	139	1	18	97	55
Dix Dam (KY).....	—	—	—	1,274	—	—	—	—	—	—	—
Ghent (KY).....	1,103,619	709	—	—	—	—	471	3	—	668	13
Green River (KY).....	80,533	105	—	—	—	—	40	*	—	86	2
Haefling (KY).....	—	—	-35	—	—	—	—	—	*	—	4
Lock 7 (KY).....	—	—	—	660	—	—	—	—	—	—	—
Pineville (KY).....	7,128	2	—	—	—	—	4	*	—	4	*
Tyrone (KY).....	14,187	79	—	—	—	—	7	*	—	12	9
Key West (City of)	—	7	—	—	—	—	—	*	—	—	63
Big Pine (FL).....	—	—	—	—	—	—	—	—	—	—	1
Cudjoe (FL).....	—	10	—	—	—	—	—	*	—	—	2
Key West (FL).....	—	—	—	—	—	—	—	*	—	—	—
Stock Island (FL).....	—	1	—	—	—	—	—	*	—	—	60
Stock Island D 1 (FL).....	—	—	—	—	—	—	—	—	—	—	—
KeySpan Energy	—	650,906	238,399	—	—	—	—	1,042	2,469	—	1,943
Barrett, E F (NY).....	—	1,836	155,459	—	—	—	—	3	1,578	—	374
Brookhaven (NY).....	—	7,343	—	—	—	—	—	12	—	—	35
East Hampton (NY).....	—	12	—	—	—	—	—	*	—	—	4
Far Rockway (NY).....	—	—	-242	—	—	—	—	—	—	—	1
Glenwood (NY).....	—	-175	18,442	—	—	—	—	*	233	—	32
Holbrook (NY).....	—	4,539	—	—	—	—	—	5	—	—	84
Montauk (NY).....	—	24	—	—	—	—	—	*	—	—	1
Northport (NY).....	—	485,465	55,740	—	—	—	—	775	568	—	1,065
Port Jefferson (NY).....	—	152,052	9,000	—	—	—	—	247	90	—	328
Shoreham (NY).....	—	-97	—	—	—	—	—	—	—	—	7
Southampton (NY).....	—	-16	—	—	—	—	—	—	—	—	1
Southold (NY).....	—	-146	—	—	—	—	—	—	—	—	2
West Babylon (NY).....	—	69	—	—	—	—	—	*	—	—	8
Kings River Conserv Dist	—	—	—	23,776	—	—	—	—	—	—	—
Pine Flat (CA).....	—	—	—	23,776	—	—	—	—	—	—	—
Kissimmee (City of)	—	-2	67,336	—	—	—	—	*	529	—	31
Cane Island (FL).....	—	—	66,359	—	—	—	—	*	517	—	15
Kissimmee (FL).....	—	-2	977	—	—	—	—	—	12	—	16
Kodiak Electric Assn Inc	—	1,193	—	9,138	—	—	—	2	—	—	1
Kodiak A (AK).....	—	1,201	—	—	—	—	—	2	—	—	1
Port Lions (AK).....	—	-8	—	—	—	—	—	—	—	—	*
Terror Lake (AK).....	—	—	—	9,138	—	—	—	—	—	—	—
KG&E - Western Resources	—	1,352	52,982	—	—	—	—	3	692	—	432
Evans, Gordon (KS).....	—	—	43,277	—	—	—	—	—	548	—	119
Gill, Murray (KS).....	—	1,352	9,705	—	—	—	—	3	144	—	314
Neosho (KS).....	—	—	—	—	—	—	—	—	—	—	—
KPL - Western Resources	1,294,652	2,604	3,245	—	—	—	794	6	56	1,803	197
Abilene (KS).....	—	—	-62	—	—	—	—	—	—	—	15
Hutchinson (KS).....	—	-21	479	—	—	—	—	1	24	—	143
Jeffrey (KS).....	969,882	2,625	—	—	—	—	618	5	—	1,359	35
Lawrence (KS).....	230,093	—	1,721	—	—	—	121	—	19	330	2
Tecumseh (KS).....	94,677	—	1,107	—	—	—	55	—	13	114	1

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Lafayette Util Sys (City).....	—	—	49,953	—	—	—	—	—	508	—	93
Doc Bonin (LA).....	—	—	49,960	—	—	—	—	—	508	—	93
Rodemacher (LA).....	—	—	-7	—	—	—	—	—	—	—	—
Lake Worth (City of).....	—	218	11,800	—	—	—	—	*	138	—	7
Smith, Tom G (FL).....	—	218	11,800	—	—	—	—	*	138	—	7
Lakeland (City of).....	197,043	10,978	51,289	—	—	—	80	*	527	185	112
Larsen Memorial (FL).....	—	—	26,611	—	—	—	—	—	255	—	26
Mcintosh, C D (FL).....	197,043	10,978	24,678	—	—	—	80	*	271	185	86
Lamar (City of).....	—	—	7,184	—	—	—	—	—	95	—	6
Lamar (CO).....	—	—	7,184	—	—	—	—	—	95	—	6
Lansing (City of).....	177,949	615	—	—	—	—	90	1	—	125	1
Eckert Station (MI).....	99,288	450	—	—	—	—	59	1	—	19	1
Erickson (MI).....	78,661	165	—	—	—	—	31	*	—	106	*
Moore's Park (MI).....	—	—	—	—	—	—	—	—	—	—	—
Lea County Elec Coop.....	—	—	—	—	—	—	—	—	—	—	—
North Lovington (NM).....	—	—	—	—	—	—	—	—	—	—	—
Lebanon (City of).....	—	6	—	—	—	—	—	*	—	—	1
Lebanon (OH).....	—	6	—	—	—	—	—	*	—	—	1
Lincoln (City of).....	—	2	9	—	—	—	—	*	*	—	28
Lincoln J Street (NE).....	—	—	9	—	—	—	—	—	*	—	4
Rokeby (NE).....	—	2	—	—	—	—	—	*	—	—	24
Logansport (City of).....	17,035	—	—	—	—	—	10	—	—	5	—
Logansport (IN).....	17,035	—	—	—	—	—	10	—	—	5	—
Los Angeles (City of).....	1,207,978	611	132,918	80,530	—	11,971	495	1	1,303	872	420
Big Pine Creek (CA).....	—	—	—	435	—	—	—	—	—	—	—
Castaic (CA).....	—	—	—	-35,969	—	—	—	—	—	—	—
Control Gorge (CA).....	—	—	—	17,555	—	—	—	—	—	—	—
Cottonwood (CA).....	—	—	—	447	—	—	—	—	—	—	—
Division Creek (CA).....	—	—	—	477	—	—	—	—	—	—	—
Foothill (CA).....	—	—	—	6,909	—	—	—	—	—	—	—
Franklin Canyon (CA).....	—	—	—	1,025	—	—	—	—	—	—	—
Haiwee (CA).....	—	—	—	2,590	—	—	—	—	—	—	—
Harbor (CA).....	—	—	59,332	—	—	—	—	—	513	—	12
Haynes (CA).....	—	—	28,746	—	—	—	—	—	325	—	368
Intermountain (UT).....	1,207,978	611	—	—	—	—	495	1	—	872	29
Middle Gorge (CA).....	—	—	—	17,702	—	—	—	—	—	—	—
Pleasant Valley (CA).....	—	—	—	1,513	—	—	—	—	—	—	—
San Fernando (CA).....	—	—	—	4,437	—	—	—	—	—	—	—
San Francisquito 1 (CA).....	—	—	—	32,775	—	—	—	—	—	—	—
San Francisquito 2 (CA).....	—	—	—	12,157	—	—	—	—	—	—	—
Sawtelle (CA).....	—	—	—	235	—	—	—	—	—	—	—
Scattergood (CA).....	—	—	45,248	—	—	11,971	—	—	465	—	—
Upper Gorge (CA).....	—	—	—	18,242	—	—	—	—	—	—	—
Valley (CA).....	—	—	-408	—	—	—	—	—	—	—	12
Louisiana Pwr & Light Co.....	—	—	990,633	—	733,749	—	—	—	10,199	—	598
Buras (LA).....	—	—	—	—	—	—	—	—	—	—	2
Little Gypsy (LA).....	—	—	253,165	—	—	—	—	—	2,748	—	74
Monroe (LA).....	—	—	—	—	—	—	—	—	—	—	—
Nine Mile Point (LA).....	—	—	601,107	—	—	—	—	—	5,861	—	225
Sterlington (LA).....	—	—	33,910	—	—	—	—	—	358	—	15
Thibodaux (LA).....	—	—	—	—	—	—	—	—	—	—	—
Waterford (LA).....	—	—	—	—	733,749	—	—	—	—	—	—
Waterford (LA).....	—	—	102,451	—	—	—	—	—	1,231	—	281
Louisville Gas & Elec Co.....	983,968	3,459	7,899	34,891	—	—	446	6	82	1,115	19
Cane Run (KY).....	297,097	—	3,025	—	—	—	137	—	31	84	2
Mill Creek (KY).....	465,079	2,339	4,846	—	—	—	217	4	51	673	13
Ohio Falls (KY).....	—	—	—	34,891	—	—	—	—	—	—	—
Paddys Run (KY).....	—	—	28	—	—	—	—	—	*	—	—
Trimble County (KY).....	221,792	1,120	—	—	—	—	92	2	—	358	4

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Louisville Gas & Elec Co											
Waterside (KY).....	—	—	—	—	—	—	—	—	—	—	—
Zorn (KY).....	—	—	—	—	—	—	—	—	—	—	—
Lower Colorado River Auth.....	637,227	1,079	271,717	18,820	—	—	386	2	2,814	543	201
Austin (TX).....	—	—	—	3,632	—	—	—	—	—	—	—
Buchanan (TX).....	—	—	—	546	—	—	—	—	—	—	—
Granite Shoals (TX).....	—	—	—	2,431	—	—	—	—	—	—	—
Inks (TX).....	—	—	—	308	—	—	—	—	—	—	—
Mansfield (TX).....	—	—	—	10,321	—	—	—	—	—	—	—
Marble Falls (TX).....	—	—	—	1,582	—	—	—	—	—	—	—
Sam K Seymour Jr (TX).....	637,227	1,079	—	—	—	—	386	2	—	543	19
Sim Gideon (TX).....	—	—	151,913	—	—	—	—	—	1,568	—	103
T. C. Ferguson (TX).....	—	—	119,804	—	—	—	—	—	1,247	—	79
Lubbock (City of).....	—	—	29,356	—	—	—	—	—	302	—	—
Holly Ave (TX).....	—	—	17,257	—	—	—	—	—	169	—	—
LP&L Co GEN.....	—	—	12,099	—	—	—	—	—	133	—	—
Plant 2 (TX).....	—	—	—	—	—	—	—	—	—	—	—
Madison Gas & Elec Co.....	24,797	—	7,071	—	—	46	15	—	111	18	7
Blount Street (WI).....	24,797	—	6,737	—	—	46	15	—	105	18	2
Fitchburg (WI).....	—	—	254	—	—	—	—	—	4	—	2
Nine Springs (WI).....	—	—	-13	—	—	—	—	—	*	—	*
Sycamore (WI).....	—	—	93	—	—	—	—	—	2	—	2
Maine Public Service Co.....	—	-119	—	622	—	—	—	*	—	—	1
Caribou (ME).....	—	-87	—	631	—	—	—	*	—	—	1
Flos Inn (ME).....	—	-32	—	—	—	—	—	—	—	—	*
Squa Pan (ME).....	—	—	—	-9	—	—	—	—	—	—	—
Maine Yankee Atomic Pwr C.....	—	—	—	—	—	—	—	—	—	—	—
Maine Yankee (ME).....	—	—	—	—	—	—	—	—	—	—	—
Manitowoc (City of).....	10,191	9,349	73	—	—	—	5	*	1	45	1
Manitowoc (WI).....	10,191	9,349	73	—	—	—	5	*	1	45	1
Marquette (City of).....	22,588	802	—	708	—	—	15	2	—	85	4
Plant Four (MI).....	—	764	—	—	—	—	—	2	—	—	3
Plant Two (MI).....	—	—	—	553	—	—	—	—	—	—	—
Russell, Frank J (MI).....	—	—	—	155	—	—	—	—	—	—	—
Shiras (MI).....	22,588	38	—	—	—	—	15	*	—	85	1
Marshall (City of).....	569	—	-39	—	—	—	1	—	1	1	4
Marshall (MO).....	569	—	-39	—	—	—	1	—	1	1	4
Mass Mun Wholesale Elec.....	—	29,826	58,550	—	—	—	—	46	525	—	277
Stonybrook (MA).....	—	29,826	58,550	—	—	—	—	46	525	—	277
Maui Electric Co Ltd.....	—	84,420	—	—	—	—	—	147	—	—	162
Cook (HI).....	—	3,250	—	—	—	—	—	5	—	—	7
Kabului (HI).....	—	16,584	—	—	—	—	—	38	—	—	51
Lanai City (HI).....	—	—	—	—	—	—	—	—	—	—	—
Maalaea (HI).....	—	62,232	—	—	—	—	—	100	—	—	99
Miki Basin (HI).....	—	2,354	—	—	—	—	—	4	—	—	5
McPherson (City of).....	—	1	47	—	—	—	—	*	1	—	22
McPherson 3 (KS).....	—	—	29	—	—	—	—	—	1	—	6
Plant No. 2 (KS).....	—	1	18	—	—	—	—	*	*	—	16
Medina Electric Coop Inc.....	—	—	1,674	—	—	—	—	—	25	—	18
Pearsall (TX).....	—	—	1,674	—	—	—	—	—	25	—	18
Merced Irrigation Dist.....	—	—	—	9,081	—	—	—	—	—	—	—
Canal Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Exchequer (CA).....	—	—	—	9,000	—	—	—	—	—	—	—
Fairfield (CA).....	—	—	—	—	—	—	—	—	—	—	—
Mcswain (CA).....	—	—	—	81	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Metropolitan Edison Co.	285,709	3,721	2,160	6,377	—	—	121	8	27	186	92
Hamilton (PA).....	—	214	—	—	—	—	—	*	—	—	5
Hunterstown (PA).....	—	—	458	—	—	—	—	—	7	—	8
Mountain (PA).....	—	577	195	—	—	—	—	1	3	—	6
Orrtanna (PA).....	—	367	—	—	—	—	—	1	—	—	4
Portland (PA).....	185,708	1,960	1,444	—	—	—	80	4	16	128	52
Shawnee (PA).....	—	—	—	—	—	—	—	*	—	—	5
Titus (PA).....	100,001	309	63	—	—	—	41	1	1	59	5
Tolna (PA).....	—	294	—	—	—	—	—	1	—	—	6
Yorkhaven (PA).....	—	—	—	6,377	—	—	—	—	—	—	—
Michigan So Cent Pwr Agen.	16,096	3,843	—	—	—	—	9	*	—	26	7
Endicott (MI).....	16,096	3,843	—	—	—	—	9	*	—	26	7
MidAmerican Energy	1,693,586	1,641	3,766	1,392	—	—	1,051	3	50	1,901	63
Coralville (IA).....	—	—	-58	—	—	—	—	—	*	—	—
Council Bluffs (IA).....	469,503	762	223	—	—	—	301	1	2	384	7
Electrifarm (IA).....	—	—	-55	—	—	—	—	*	3	—	10
George Neal South (IA).....	354,216	1,063	—	—	—	—	216	2	—	407	4
Louisa (IA).....	294,633	1	2,036	—	—	—	187	*	21	467	2
Moline (IL).....	—	-36	-37	1,392	—	—	—	—	—	—	—
Neal, George (IA).....	531,326	—	1,139	—	—	—	320	—	12	523	—
Parr (IA).....	—	-37	—	—	—	—	—	—	—	—	2
Pleasant Hill (IA).....	—	-112	—	—	—	—	—	*	—	—	26
River Hills (IA).....	—	—	-107	—	—	—	—	—	*	—	4
Riverside (IA).....	43,908	—	436	—	—	—	27	—	5	119	—
Sycamore (IA).....	—	—	189	—	—	—	—	—	7	—	8
Minden (City of)	—	2	43	—	—	—	—	*	1	—	*
Minden (LA).....	—	2	43	—	—	—	—	*	1	—	*
Minnesota Power Inc.	666,749	415	—	65,715	—	—	398	1	—	437	7
Blanchard (MN).....	—	—	—	9,841	—	—	—	—	—	—	—
Boswell (MN).....	617,644	363	—	—	—	—	364	1	—	314	7
Fond Du Lac (MN).....	—	—	—	6,170	—	—	—	—	—	—	—
Hibbard, M L (MN).....	—	—	—	—	—	—	—	—	—	—	—
Knife Falls (MN).....	—	—	—	1,056	—	—	—	—	—	—	—
Laskin (MN).....	49,105	52	—	—	—	—	33	*	—	123	*
Little Falls (MN).....	—	—	—	2,803	—	—	—	—	—	—	—
Pillager (MN).....	—	—	—	1,000	—	—	—	—	—	—	—
Prairie River (MN).....	—	—	—	377	—	—	—	—	—	—	—
Scanlon (MN).....	—	—	—	882	—	—	—	—	—	—	—
Sylvan (MN).....	—	—	—	1,110	—	—	—	—	—	—	—
Thompson (MN).....	—	—	—	39,784	—	—	—	—	—	—	—
Winton (MN).....	—	—	—	2,692	—	—	—	—	—	—	—
Minnkota Power Coop Inc.	463,868	1,669	—	—	—	—	404	3	—	394	20
Grand Forks (ND).....	—	—	—	—	—	—	—	—	—	—	—
Harwood (ND).....	—	—	—	—	—	—	—	—	—	—	—
Young, Milton R (ND).....	463,868	1,669	—	—	—	—	404	3	—	394	20
Minnkota Power Coop Inc.	—	—	—	—	—	—	—	—	—	—	—
Hawley (MN).....	—	—	—	—	—	—	—	—	—	—	—
Mississippi Power Co.	640,192	2,263	126,522	—	—	—	276	3	2,865	584	42
Daniel, Victor J Jr. (MS).....	219,525	1,877	—	—	—	—	79	2	—	469	4
Eaton (MS).....	—	—	-100	—	—	—	—	—	—	—	—
Standard Oil (MS).....	—	—	92,494	—	—	—	—	—	2,312	—	—
Sweatt (MS).....	—	—	2,797	—	—	—	—	—	38	—	3
Watson (MS).....	420,667	386	31,331	—	—	—	197	1	515	114	35
Mississippi Pwr & Lgt Co.	—	459,313	53,124	—	—	—	—	703	524	—	1,604
Andrus (MS).....	—	243,141	—	—	—	—	—	365	—	—	895
Brown, Rex (MS).....	—	8	1,172	—	—	—	—	*	24	—	1
Delta (MS).....	—	—	4,041	—	—	—	—	—	57	—	34
Natchez (MS).....	—	—	—	—	—	—	—	—	—	—	—
Wilson, B (MS).....	—	216,164	47,911	—	—	—	—	338	443	—	674
Missouri Basin Mun Pwr	—	9	—	—	—	—	—	*	—	—	7
Agency.....	—	9	—	—	—	—	—	*	—	—	7
Watertown (SD).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Modesto Irrigation Dist.....	—	233	8,055	862	—	—	—	1	75	—	13
McClure (CA).....	—	233	25	—	—	—	—	1	1	—	12
New Hogan (CA).....	—	—	—	865	—	—	—	—	—	—	—
Stone Drop (CA).....	—	—	—	-3	—	—	—	—	—	—	—
Woodland (CA).....	—	—	8,030	—	—	—	—	—	74	—	1
Monongahela Power Co.....	2,967,430	269	2,458	—	—	—	1,183	*	25	1,281	6
Albright (WV).....	31,844	208	—	—	—	—	14	*	—	105	*
Fort Martin (WV).....	673,616	54	—	—	—	—	256	*	—	326	5
Harrison (WV).....	1,371,747	—	1,602	—	—	—	541	—	16	356	*
Pleasants (WV).....	808,810	7	752	—	—	—	339	*	8	383	*
Rivesville (WV).....	-545	—	—	—	—	—	—	—	—	30	*
Willow Island (WV).....	81,958	—	104	—	—	—	34	—	1	80	*
Montana Dakota Utils Co.....	337,512	139	146	—	—	—	291	*	3	197	6
Coyote (ND).....	264,565	139	—	—	—	—	222	*	—	145	4
Glendive (MT).....	—	—	-15	—	—	—	—	—	—	—	1
Heskett (ND).....	46,263	—	—	—	—	—	43	—	—	41	—
Lewis & Clark (MT).....	26,684	—	82	—	—	—	26	—	1	11	—
Miles City (MT).....	—	—	89	—	—	—	—	—	2	—	1
Williston (ND).....	—	—	-10	—	—	—	—	—	—	—	—
Montana Power Co (The).....	1,547,147	782	3,190	290,738	—	—	1,011	1	33	323	12
Black Eagle (MT).....	—	—	—	12,540	—	—	—	—	—	—	—
Cochrane (MT).....	—	—	—	24,249	—	—	—	—	—	—	—
Colstrip (MT).....	1,464,425	782	—	—	—	—	955	1	—	283	11
Corette, J E (MT).....	82,722	—	3,190	—	—	—	57	—	33	40	—
Frank Bird (MT).....	—	—	—	—	—	—	—	—	—	—	—
Hauser Lake (MT).....	—	—	—	10,281	—	—	—	—	—	—	—
Holter (MT).....	—	—	—	28,530	—	—	—	—	—	—	—
Kerr (MT).....	—	—	—	79,278	—	—	—	—	—	—	—
Lake Diesel (MT).....	—	—	—	—	—	—	—	—	—	—	—
Madison (MT).....	—	—	—	5,743	—	—	—	—	—	—	—
Milltown (MT).....	—	—	—	1,322	—	—	—	—	—	—	—
Morony (MT).....	—	—	—	26,546	—	—	—	—	—	—	—
Mystic Lake (MT).....	—	—	—	2,395	—	—	—	—	—	—	—
Rainbow (MT).....	—	—	—	22,999	—	—	—	—	—	—	—
Ryan (MT).....	—	—	—	40,086	—	—	—	—	—	—	—
Thompson Falls (MT).....	—	—	—	36,769	—	—	—	—	—	—	—
Yellowstone (MT).....	—	—	—	—	—	—	—	—	—	—	1
Montaup Electric Company.....	57,203	3,681	—	—	—	—	21	6	—	74	147
Somerset (MA).....	57,203	3,681	—	—	—	—	21	6	—	74	147
Moorhead (City of).....	—	—	—	—	—	—	—	—	—	3	1
Moorhead (MN).....	—	—	—	—	—	—	—	—	—	3	1
Morgan (City of).....	—	—	4,015	—	—	—	—	—	56	—	—
Morgan City (LA).....	—	—	4,015	—	—	—	—	—	56	—	—
Muscantine (City of).....	94,700	1	—	—	—	—	63	*	—	224	2
Muscantine (IA).....	94,700	1	—	—	—	—	63	*	—	224	2
N Y State Elec & Gas Corp.....	824,014	1,337	—	22,022	—	—	330	2	—	368	8
Cadyville (NY).....	—	—	—	2,080	—	—	—	—	—	—	—
Goudey (NY).....	76,356	51	—	—	—	—	30	*	—	66	1
Greenidge (NY).....	93,801	114	—	—	—	—	38	*	—	49	1
Harris Lake (NY).....	—	-2	—	—	—	—	—	*	—	—	*
Hickling (NY).....	33,802	—	—	—	—	—	22	—	—	31	—
High Falls (NY).....	—	—	—	7,527	—	—	—	—	—	—	—
Jennison (NY).....	-360	—	—	—	—	—	—	—	—	29	—
Kents Falls (NY).....	—	—	—	3,923	—	—	—	—	—	—	—
Keuka (NY).....	—	—	—	—	—	—	—	—	—	—	—
Mechanicville (NY).....	—	—	—	4,977	—	—	—	—	—	—	—
Mill C (NY).....	—	—	—	1,939	—	—	—	—	—	—	—
Milliken (NY).....	192,793	194	—	—	—	—	77	*	—	85	2
Rainbow Falls (NY).....	—	—	—	1,576	—	—	—	—	—	—	—
Seneca Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Somerset (NY).....	427,622	980	—	—	—	—	163	2	—	109	4
Waterloo (NY).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Nantucket Elec Co	—	244	—	—	—	—	—	*	—	—	6
Nantucket (MA)	—	244	—	—	—	—	—	*	—	—	6
Natchitoches (City of)	—	—	—	—	—	—	—	—	—	—	—
Natchitoches (LA)	—	—	—	—	—	—	—	—	—	—	—
Nebraska City (City of)	—	-6	-115	—	—	—	—	—	—	—	—
Nebraska City (NE)	—	-5	-89	—	—	—	—	—	—	—	—
Syracuse No 2 (NE)	—	-1	-26	—	—	—	—	—	—	—	—
Nebraska Pub Power Dist	947,660	86	5,666	22,870	191,830	88	583	*	63	1,217	108
Canaday (NE)	—	—	4,363	—	—	—	—	—	49	—	78
Columbus (NE)	—	—	—	9,337	—	—	—	—	—	—	—
Cooper (NE)	—	—	—	—	191,830	—	—	—	—	—	—
David City (NE)	—	25	13	—	—	—	—	*	—	—	*
Gentleman (NE)	816,537	—	1,161	—	—	—	499	—	12	1,020	6
Hallam (NE)	—	32	—	—	—	—	—	*	—	—	2
Hebron (NE)	—	—	—	—	—	—	—	—	—	—	9
Kearney (NE)	—	—	—	—	—	—	—	—	—	—	—
Lodgepole (NE)	—	—	—	—	—	—	—	—	—	—	*
Lyons (NE)	—	3	—	—	—	—	—	*	—	—	*
Madison (NE)	—	4	5	—	—	—	—	*	*	—	*
Mc Cook (NE)	—	—	—	—	—	—	—	—	—	—	10
Minnechadua (NE)	—	—	—	—	—	—	—	—	—	—	—
Mobile (NE)	—	—	—	—	—	—	—	—	—	—	—
Monroe (NE)	—	—	—	2,316	—	—	—	—	—	—	—
North Platte (NE)	—	—	—	10,236	—	—	—	—	—	—	—
Ord (NE)	—	15	5	—	—	—	—	*	—	—	*
Sheldon (NE)	131,123	—	113	—	—	88	84	—	1	198	—
Spencer (NE)	—	—	—	981	—	—	—	—	—	—	—
Sutherland (NE)	—	4	—	—	—	—	—	*	—	—	*
Wakefield (NE)	—	3	6	—	—	—	—	*	*	—	*
Nevada Irrigation Dist	—	—	—	43,473	—	—	—	—	—	—	—
Bowman (CA)	—	—	—	5	—	—	—	—	—	—	—
Chicago Park (CA)	—	—	—	19,278	—	—	—	—	—	—	—
Combie No (CA)	—	—	—	921	—	—	—	—	—	—	—
Combie So (CA)	—	—	—	—	—	—	—	—	—	—	—
Dutch Flat No.2 (CA)	—	—	—	13,216	—	—	—	—	—	—	—
Rollins (CA)	—	—	—	8,755	—	—	—	—	—	—	—
Scott Flat (CA)	—	—	—	1,298	—	—	—	—	—	—	—
Nevada Power Co	391,318	1,064	247,529	—	—	—	168	2	2,109	183	47
Clark (NV)	—	—	240,968	—	—	—	—	—	2,027	—	8
Gardner, Reid (NV)	391,318	1,064	—	—	—	—	168	2	—	183	12
Sun Peak (NV)	—	—	6,561	—	—	—	—	—	83	—	—
Sunrise (NV)	—	—	—	—	—	—	—	—	—	—	27
New England Power Co	—	385	—	—	—	—	—	1	—	—	1
Bear Swamp (MA)	—	—	—	—	—	—	—	—	—	—	—
Bellows Falls (VT)	—	—	—	—	—	—	—	—	—	—	—
Brayton Point (MA)	—	—	—	—	—	—	—	—	—	—	—
Comerford (NH)	—	—	—	—	—	—	—	—	—	—	—
Deerfield No. 2 (MA)	—	—	—	—	—	—	—	—	—	—	—
Deerfield No. 3 (MA)	—	—	—	—	—	—	—	—	—	—	—
Deerfield No. 4 (MA)	—	—	—	—	—	—	—	—	—	—	—
Deerfield No. 5 (MA)	—	—	—	—	—	—	—	—	—	—	—
Fife Brook (MA)	—	—	—	—	—	—	—	—	—	—	—
Gloucester (MA)	—	353	—	—	—	—	—	*	—	—	1
Harriman (VT)	—	—	—	—	—	—	—	—	—	—	—
Manchester Street (RI)	—	—	—	—	—	—	—	—	—	—	—
McIndoes (NH)	—	—	—	—	—	—	—	—	—	—	—
Moore (NH)	—	—	—	—	—	—	—	—	—	—	—
Newburyport (MA)	—	32	—	—	—	—	—	*	—	—	*
Salem Harbor (MA)	—	—	—	—	—	—	—	—	—	—	—
Searsburg (VT)	—	—	—	—	—	—	—	—	—	—	—
Sherman (MA)	—	—	—	—	—	—	—	—	—	—	—
Vernon (NH)	—	—	—	—	—	—	—	—	—	—	—
Vernon (VT)	—	—	—	—	—	—	—	—	—	—	—
Wilder (NH)	—	—	—	—	—	—	—	—	—	—	—
Wilder (VT)	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
New Orleans Pub Serv Inc	—	60,348	188,297	—	—	—	—	83	2,020	—	205
Michoud (LA)	—	60,348	188,297	—	—	—	—	83	2,020	—	203
Paterson, A B (LA)	—	—	—	—	—	—	—	—	—	—	2
New Ulm (City of)	—	223	1,684	—	—	—	—	1	49	3	5
New Ulm (MN)	—	223	1,684	—	—	—	—	1	49	3	5
Niagara Mohawk Power Corp .	746,734	81,248	67,533	173,156	1,253,949	—	289	151	838	405	1,866
Albany (NY)	—	38,019	64,726	—	—	—	—	58	801	—	471
Allens Falls (NY)	—	—	—	2,306	—	—	—	—	—	—	—
Baldwinsville (NY)	—	—	—	93	—	—	—	—	—	—	—
Beardslee (NY)	—	—	—	3,408	—	—	—	—	—	—	—
Beebee Island (NY)	—	—	—	3,831	—	—	—	—	—	—	—
Belfort (NY)	—	—	—	640	—	—	—	—	—	—	—
Bennetts Bridge (NY)	—	—	—	4,243	—	—	—	—	—	—	—
Black River (NY)	—	—	—	3,215	—	—	—	—	—	—	—
Blake (NY)	—	—	—	3,310	—	—	—	—	—	—	—
Browns Falls (NY)	—	—	—	4,485	—	—	—	—	—	—	—
Chasm (NY)	—	—	—	1,802	—	—	—	—	—	—	—
Colton (NY)	—	—	—	13,103	—	—	—	—	—	—	—
Deferiet (NY)	—	—	—	4,726	—	—	—	—	—	—	—
Dunkirk (NY)	343,360	466	—	—	—	—	129	1	—	180	1
Eagle (NY)	—	—	—	1,870	—	—	—	—	—	—	—
East Norfolk (NY)	—	—	—	1,771	—	—	—	—	—	—	—
Eel Weir (NY)	—	—	—	941	—	—	—	—	—	—	—
Effley (NY)	—	—	—	814	—	—	—	—	—	—	—
Elmer (NY)	—	—	—	560	—	—	—	—	—	—	—
Ephratah (NY)	—	—	—	806	—	—	—	—	—	—	—
Feeder Dam (NY)	—	—	—	1,540	—	—	—	—	—	—	—
Five Falls (NY)	—	—	—	5,277	—	—	—	—	—	—	—
Flat Rock (NY)	—	—	—	1,196	—	—	—	—	—	—	—
Franklin (NY)	—	—	—	715	—	—	—	—	—	—	—
Fulton (NY)	—	—	—	-3	—	—	—	—	—	—	—
Glenwood (NY)	—	—	—	19	—	—	—	—	—	—	—
Granby (NY)	—	—	—	4,291	—	—	—	—	—	—	—
Green Island (NY)	—	—	—	2,772	—	—	—	—	—	—	—
Hannawa (NY)	—	—	—	3,881	—	—	—	—	—	—	—
Herrings (NY)	—	—	—	2,097	—	—	—	—	—	—	—
Heuvelton (NY)	—	—	—	641	—	—	—	—	—	—	—
High Dam (NY)	—	—	—	3,576	—	—	—	—	—	—	—
High Falls (NY)	—	—	—	1,766	—	—	—	—	—	—	—
Higley (NY)	—	—	—	1,987	—	—	—	—	—	—	—
Hogansburg (NY)	—	—	—	189	—	—	—	—	—	—	—
Huntley, C R (NY)	403,374	211	—	—	—	—	160	*	—	225	3
Hydraulic Race (NY)	—	—	—	—	—	—	—	—	—	—	—
Inghams (NY)	—	—	—	2,143	—	—	—	—	—	—	—
Johnsonville (NY)	—	—	—	359	—	—	—	—	—	—	—
Kamargo (NY)	—	—	—	2,295	—	—	—	—	—	—	—
Lighthouse Hill (NY)	—	—	—	911	—	—	—	—	—	—	—
Macomb (NY)	—	—	—	603	—	—	—	—	—	—	—
Mechanicville (NY)	—	—	—	-21	—	—	—	—	—	—	—
Minetto (NY)	—	—	—	3,141	—	—	—	—	—	—	—
Moshier (NY)	—	—	—	2,246	—	—	—	—	—	—	—
Nine Mile Point (NY)	—	11	—	—	1,253,949	—	—	*	—	—	1
Norfolk (NY)	—	—	—	1,642	—	—	—	—	—	—	—
Norwood (NY)	—	—	—	1,040	—	—	—	—	—	—	—
Oak Orchard (NY)	—	—	—	—	—	—	—	—	—	—	—
Oswegatchie (NY)	—	—	—	—	—	—	—	—	—	—	—
Oswego (NY)	—	42,541	2,807	—	—	—	—	92	37	—	1,390
Oswego Falls Es (NY)	—	—	—	1,738	—	—	—	—	—	—	—
Oswego Falls Ws (NY)	—	—	—	1,742	—	—	—	—	—	—	—
Parishville (NY)	—	—	—	1,482	—	—	—	—	—	—	—
Piercefield (NY)	—	—	—	860	—	—	—	—	—	—	—
Prospect (NY)	—	—	—	2,473	—	—	—	—	—	—	—
Rainbow (NY)	—	—	—	5,360	—	—	—	—	—	—	—
Raymondville (NY)	—	—	—	926	—	—	—	—	—	—	—
Schaghticoke (NY)	—	—	—	-2	—	—	—	—	—	—	—
School Street (NY)	—	—	—	9,757	—	—	—	—	—	—	—
Schuylerville (NY)	—	—	—	-15	—	—	—	—	—	—	—
Sewalls (NY)	—	—	—	1,315	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Niagara Mohawk Power Corp											
Sherman Island (NY).....	—	—	—	5,331	—	—	—	—	—	—	—
So Glens Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Soft Maple (NY).....	—	—	—	1,879	—	—	—	—	—	—	—
South Colton (NY).....	—	—	—	4,467	—	—	—	—	—	—	—
South Edwards (NY).....	—	—	—	1,513	—	—	—	—	—	—	—
Spier Falls (NY).....	—	—	—	11,830	—	—	—	—	—	—	—
Stark (NY).....	—	—	—	4,943	—	—	—	—	—	—	—
Stewarts Bridge (NY).....	—	—	—	6,274	—	—	—	—	—	—	—
Stuyvesant Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Sugar Island (NY).....	—	—	—	2,780	—	—	—	—	—	—	—
Talcville (NY).....	—	—	—	218	—	—	—	—	—	—	—
Taylorville (NY).....	—	—	—	1,107	—	—	—	—	—	—	—
Trenton (NY).....	—	—	—	5,719	—	—	—	—	—	—	—
Varick (NY).....	—	—	—	2,382	—	—	—	—	—	—	—
Waterport (NY).....	—	—	—	-2	—	—	—	—	—	—	—
West, E J (NY).....	—	—	—	2,572	—	—	—	—	—	—	—
Yaleville (NY).....	—	—	—	280	—	—	—	—	—	—	—
North Atlantic Energy Corp											
Seabrook (NH).....	—	—	—	—	786,068	—	—	—	—	—	—
North Little Rk (City of)											
Murray (AR).....	—	—	—	22,478	—	—	—	—	—	—	—
Northeast Nucl Energy Co											
Millstone (CT).....	—	—	—	—	269,141	—	—	—	—	—	—
Northern Ind Pub Serv Co											
Bailly (IN).....	1,314,605	27,475	6,753	2,870	—	—	706	—	78	1,135	—
Michigan City (IN).....	269,696	—	387	—	—	—	131	—	4	162	—
Mitchell, Dean H (IN).....	162,515	—	284	—	—	—	93	—	3	211	—
Norway (IN).....	157,244	—	2,849	—	—	—	99	—	33	165	—
Oakdale (IN).....	—	—	—	1,152	—	—	—	—	—	—	—
Schahfer, R. M. (IN).....	—	—	—	1,718	—	—	—	—	—	—	—
Northern States Power Co											
Angus Anson (SD).....	1,871,377	66,698	16,166	41,864	842,467	47,183	1,109	9	243	1,574	287
Apple River (WI).....	—	—	8,686	—	—	—	—	—	120	—	29
Bay Front (WI).....	—	—	—	1,330	—	—	—	—	—	—	—
Big Falls (WI).....	11,313	—	4,040	—	—	15,311	8	—	62	30	—
Black Dog (MN).....	—	—	—	1,553	—	—	—	—	—	—	—
Blue Lake (MN).....	130,602	—	298	—	—	—	83	—	3	97	*
Cedar Falls (WI).....	—	-209	—	—	—	—	—	2	—	—	61
Chippewa Falls (WI).....	—	—	—	2,081	—	—	—	—	—	—	—
Cornell (WI).....	—	—	—	2,350	—	—	—	—	—	—	—
Dells (WI).....	—	—	—	2,632	—	—	—	—	—	—	—
Flambeau (WI).....	—	—	1,759	1,723	—	—	—	—	—	—	—
French Island (WI).....	—	—	9	—	—	—	—	—	32	—	7
Granite City (MN).....	—	343	—	—	—	6,494	—	2	*	—	38
Hayward (WI).....	—	—	-108	—	—	—	—	—	1	—	1
Hennepin Island (MN).....	—	—	—	131	—	—	—	—	—	—	—
High Bridge (MN).....	—	—	—	7,256	—	—	—	—	—	—	—
Holcombe (WI).....	152,912	—	1,178	—	—	—	93	—	12	62	3
Inver Hills (MN).....	—	—	—	2,863	—	—	—	—	—	—	—
Jim Falls (WI).....	—	-263	—	3,721	—	—	—	—	—	—	54
Key City (MN).....	—	—	46	—	—	—	—	—	—	—	—
King (MN).....	—	—	106	—	—	—	—	—	4	—	3
Ladysmith (WI).....	257,724	44,490	—	—	—	—	142	—	1	124	—
Menomonie (WI).....	—	—	—	357	—	—	—	—	—	—	—
Minnesota Valley (MN).....	—	—	—	1,575	—	—	—	—	—	—	—
Monticello (MN).....	—	—	-44	—	—	—	—	—	—	—	*
Pathfinder (SD).....	—	—	—	—	440,913	—	—	—	—	—	—
Prairie Island (MN).....	—	—	-161	—	—	—	—	—	—	—	—
Redwing (MN).....	—	—	105	—	401,554	—	—	—	—	—	—
Riverdale (WI).....	—	—	—	—	—	12,107	—	—	2	—	—
Riverside (MN).....	—	—	—	268	—	—	—	—	—	—	—
Saxon Falls (MI).....	228,979	19,977	19	—	—	—	142	*	*	120	*
Sherburne County (MN).....	—	—	—	675	—	—	—	—	—	—	—
St Croix Falls (WI).....	1,089,847	1,887	—	—	—	—	641	3	—	1,141	4
	—	—	—	7,867	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Northern States Power Co											
Superior Falls (MI).....	—	—	—	729	—	—	—	—	—	—	—
Thornapple (WI).....	—	—	—	422	—	—	—	—	—	—	—
Trego (WI).....	—	—	—	477	—	—	—	—	—	—	—
West Faribault (MN).....	—	—	196	—	—	—	—	—	4	—	—
Wheaton (WI).....	—	473	—	—	—	—	—	2	—	—	84
White River (WI).....	—	—	—	331	—	—	—	—	—	—	—
Wilmarth (MN).....	—	—	37	—	—	13,271	—	—	1	—	—
Wissota (WI).....	—	—	—	3,523	—	—	—	—	—	—	—
Northwestern Pub Serv Co											
Aberdeen (SD).....	—	56	308	—	—	—	—	*	7	—	10
Clark (SD).....	—	-6	—	—	—	—	—	*	—	—	2
Faulkton (SD).....	—	-5	—	—	—	—	—	*	—	—	*
Highmore (SD).....	—	-11	—	—	—	—	—	—	—	—	*
Huron (SD).....	—	-16	—	—	—	—	—	—	—	—	*
Mobile (SD).....	—	—	308	—	—	—	—	—	6	—	6
Redfield (SD).....	—	-5	—	—	—	—	—	—	—	—	*
Webster (SD).....	—	-4	-7	—	—	—	—	*	*	—	*
Yankton New (SD).....	—	-17	—	—	—	—	—	*	—	—	*
Yankton New (SD).....	—	120	7	—	—	—	—	*	*	—	1
Oakdale South San Joaquin											
Beardsley (CA).....	—	—	—	38,053	—	—	—	—	—	—	—
Donnels (CA).....	—	—	—	4,554	—	—	—	—	—	—	—
Donnels (CA).....	—	—	—	18,431	—	—	—	—	—	—	—
Sand Bar (CA).....	—	—	—	6,874	—	—	—	—	—	—	—
Tulloch (CA).....	—	—	—	8,194	—	—	—	—	—	—	—
Oglethorpe Power Corp											
Rocky Mountain (GA).....	—	—	—	-30,202	—	—	—	—	—	—	—
Tallassee (GA).....	—	—	—	-30,553	—	—	—	—	—	—	—
Tallassee (GA).....	—	—	—	351	—	—	—	—	—	—	—
Ohio Edison Co											
Burger, R E (OH).....	1,264,615	2,161	—	—	—	—	523	4	—	878	28
Edgewater (OH).....	114,294	247	—	—	—	—	49	*	—	129	1
Gorge Steam (OH).....	—	—	—	—	—	—	—	—	—	—	4
Mad River (OH).....	—	—	—	—	—	—	—	—	—	—	—
Niles (OH).....	63,419	782	—	—	—	—	30	2	—	53	16
Sammus (OH).....	1,086,902	1,132	—	—	—	—	444	2	—	696	4
West Lorain (OH).....	—	—	—	—	—	—	—	—	—	—	—
Ohio Power Co											
Gavin, Gen J M (OH).....	2,711,494	8,817	—	14,482	—	—	1,132	15	—	1,584	71
Kammer (WV).....	1,323,285	2,902	—	—	—	—	578	5	—	616	19
Mitchell (WV).....	278,607	460	—	—	—	—	111	1	—	310	1
Muskingum River (OH).....	408,711	4,166	—	—	—	—	157	7	—	292	40
Racine (OH).....	700,891	1,289	—	—	—	—	285	2	—	366	10
Tidd (OH).....	—	—	—	14,482	—	—	—	—	—	—	—
Ohio Valley Elec Corp											
Kyger Creek (OH).....	723,419	182	—	—	—	—	276	*	—	365	3
Kyger Creek (OH).....	723,419	182	—	—	—	—	276	*	—	365	3
Oklahoma Gas & Elec Co											
Arbuckle (OK).....	701,622	1,011	842,378	—	—	—	452	3	8,492	1,802	236
Conoco (OK).....	—	—	49,399	—	—	—	—	—	427	—	—
Enid (OK).....	—	—	21	—	—	—	—	—	1	—	—
Horseshoe Lake (OK).....	—	—	123,047	—	—	—	—	—	1,218	—	41
Muskogee (OK).....	444,007	—	—	—	—	—	287	—	—	1,002	—
Mustang (OK).....	—	—	—	—	—	—	—	—	—	—	—
Seminole (OK).....	—	—	669,911	—	—	—	—	—	6,846	—	165
Sooner (OK).....	257,615	1,011	—	—	—	—	165	3	—	800	30
Woodward (OK).....	—	—	—	—	—	—	—	—	—	—	—
Oklahoma Mun Power Authority											
Kaw Hydro (OK).....	—	—	—	16,886	—	—	—	—	—	—	1
Ponca Steam (OK).....	—	—	—	16,886	—	—	—	—	—	—	—
Ponca Steam (OK).....	—	—	—	—	—	—	—	—	—	—	1
Omaha Public Power Dist											
Fort Calhoun (NE).....	680,773	1,078	1,401	—	364,214	—	420	2	30	678	30
Fort Calhoun (NE).....	—	—	—	—	364,214	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Omaha Public Power Dist											
Jones Street (NE).....	—	-74	—	—	—	—	—	—	—	—	18
Nebraska City (NE).....	388,105	90	—	—	—	—	228	*	—	374	4
North Omaha (NE).....	292,668	—	1,071	—	—	—	192	—	20	304	—
Sarpy (NE).....	—	1,062	330	—	—	—	—	2	10	—	7
Orange & Rockland Util Inc	138,739	133,626	218,414	-399	—	—	58	230	2,179	69	467
Bowline Point (NY).....	—	133,533	165,037	—	—	—	—	230	1,715	—	415
Grahamsville (NY).....	—	—	—	-14	—	—	—	—	—	—	—
Hillburn (NY).....	—	—	162	—	—	—	—	—	4	—	3
Lovett (NY).....	138,739	64	49,658	—	—	—	58	*	397	69	46
Mongaup (NY).....	—	—	—	12	—	—	—	—	—	—	—
Rio (NY).....	—	—	-215	—	—	—	—	—	—	—	—
Shoemaker (NY).....	—	29	3,557	—	—	—	—	*	63	—	3
Swinging Bridge 1 (NY).....	—	—	—	-89	—	—	—	—	—	—	—
Swinging Bridge 2 (NY).....	—	—	—	-93	—	—	—	—	—	—	—
Orlando (City of)	494,209	4,711	34,249	—	—	—	180	8	388	226	352
Indian River (FL).....	—	3,442	34,249	—	—	—	—	6	388	—	348
St Cloud (FL).....	—	—	—	—	—	—	—	—	—	—	—
Stanton (FL).....	494,209	1,269	—	—	—	—	180	2	—	226	4
Oroville Wyandotte I Dist	—	—	—	82,768	—	—	—	—	—	—	—
Forbestown (CA).....	—	—	—	27,214	—	—	—	—	—	—	—
Kelly Ridge (CA).....	—	—	—	8,090	—	—	—	—	—	—	—
Sly Creek (CA).....	—	—	—	4,595	—	—	—	—	—	—	—
Woodleaf (CA).....	—	—	—	42,869	—	—	—	—	—	—	—
Orrville (City of)	22,790	—	51	—	—	—	14	—	1	*	—
Orrville (OH).....	22,790	—	51	—	—	—	14	—	1	*	—
Ottawa (City of)	—	1	—	—	—	—	—	*	1	—	1
Ottawa (KS).....	—	1	—	—	—	—	—	*	1	—	1
Otter Tail Power Co	369,245	334	—	2,376	—	—	213	1	—	226	27
Bemidji (MN).....	—	—	—	165	—	—	—	—	—	—	—
Big Stone (SD).....	309,625	294	—	—	—	—	176	1	—	200	9
Dayton Hollow (MN).....	—	—	—	723	—	—	—	—	—	—	—
Hoot Lake (MN).....	59,620	40	—	425	—	—	37	*	—	25	*
Jamestown (ND).....	—	—	—	—	—	—	—	—	—	—	12
Lake Preston (SD).....	—	—	—	—	—	—	—	—	—	—	6
Pisgah (MN).....	—	—	—	489	—	—	—	—	—	—	—
Port 148 (MN).....	—	—	—	—	—	—	—	—	—	—	—
Taplin Gorge (MN).....	—	—	—	365	—	—	—	—	—	—	—
Wright (MN).....	—	—	—	209	—	—	—	—	—	—	—
Owatonna (City of)	—	—	—	—	—	—	—	—	—	—	—
Owatonna (MN).....	—	—	—	—	—	—	—	—	—	—	—
Owensboro (City of)	243,117	267	—	—	—	—	114	1	—	152	1
Elmer Smith (KY).....	243,117	267	—	—	—	—	114	1	—	152	1
Pacific Gas & Electric Co	—	21,102	982,619	1,305,007	1,137,134	437,134	—	47	9,929	—	1,403
Alta (CA).....	—	—	—	156	—	—	—	—	—	—	—
Balch 1 (CA).....	—	—	—	9,531	—	—	—	—	—	—	—
Balch 2 (CA).....	—	—	—	35,996	—	—	—	—	—	—	—
Belden (CA).....	—	—	—	73,465	—	—	—	—	—	—	—
Black, James B (CA).....	—	—	—	77,160	—	—	—	—	—	—	—
Bucks Creek (CA).....	—	—	—	29,532	—	—	—	—	—	—	—
Butt Valley (CA).....	—	—	—	28,223	—	—	—	—	—	—	—
Caribou 1 (CA).....	—	—	—	32,102	—	—	—	—	—	—	—
Caribou 2 (CA).....	—	—	—	81,915	—	—	—	—	—	—	—
Centerville (CA).....	—	—	—	2,973	—	—	—	—	—	—	—
Chili Bar (CA).....	—	—	—	1,597	—	—	—	—	—	—	—
Coal Canyon (CA).....	—	—	—	456	—	—	—	—	—	—	—
Coleman (CA).....	—	—	—	6,348	—	—	—	—	—	—	—
Contra Costa (CA).....	—	—	212,565	—	—	—	—	—	2,069	—	459
Cow Creek (CA).....	—	—	—	1,396	—	—	—	—	—	—	—
Crane Valley (CA).....	—	—	—	140	—	—	—	—	—	—	—
Cresta (CA).....	—	—	—	43,966	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pacific Gas & Electric Co											
De Sabla (CA).....	—	—	—	9,552	—	—	—	—	—	—	—
Deer Creek (CA).....	—	—	—	1,326	—	—	—	—	—	—	—
Diablo Canyon (CA).....	—	—	—	—	1,137,134	—	—	—	—	—	—
Downieville (CA).....	—	-5	—	—	—	—	—	—	—	—	*
Drum 1 (CA).....	—	—	—	14,906	—	—	—	—	—	—	—
Drum 2 (CA).....	—	—	—	30,732	—	—	—	—	—	—	—
Dutch Flat (CA).....	—	—	—	9,410	—	—	—	—	—	—	—
El Dorado (CA).....	—	—	—	—	—	—	—	—	—	—	—
Electra (CA).....	—	—	—	41,259	—	—	—	—	—	—	—
Haas (CA).....	—	—	—	40,320	—	—	—	—	—	—	—
Halsey (CA).....	—	—	—	5,824	—	—	—	—	—	—	—
Hamilton Branch (CA).....	—	—	—	2,485	—	—	—	—	—	—	—
Hat Creek 1 (CA).....	—	—	—	4,700	—	—	—	—	—	—	—
Hat Creek 2 (CA).....	—	—	—	5,652	—	—	—	—	—	—	—
Helms (CA).....	—	—	—	6,301	—	—	—	—	—	—	—
Hercules St (CA).....	—	—	—	—	—	—	—	—	—	—	—
Humbolt Bay (CA).....	—	1,067	19,351	—	—	—	—	3	277	—	17
Hunters Point (CA).....	—	4,257	102,403	—	—	—	—	10	1,203	—	6
Inskip (CA).....	—	—	—	5,341	—	—	—	—	—	—	—
Kerckhoff (CA).....	—	—	—	-25	—	—	—	—	—	—	—
Kerckhoff 2 (CA).....	—	—	—	33,891	—	—	—	—	—	—	—
Kern Canyon (CA).....	—	—	—	4,902	—	—	—	—	—	—	—
Kilare (CA).....	—	—	—	1,840	—	—	—	—	—	—	—
Kings River (CA).....	—	—	—	13,090	—	—	—	—	—	—	—
Lime Saddle (CA).....	—	—	—	575	—	—	—	—	—	—	—
Merced Falls (CA).....	—	—	—	-10	—	—	—	—	—	—	—
Mobile Turbine (CA).....	—	—	—	—	—	—	—	—	—	—	—
Morro Bay (CA).....	—	—	—	—	—	—	—	—	—	—	—
Moss Landing (CA).....	—	—	—	—	—	—	—	—	—	—	—
Narrows (CA).....	—	—	—	505	—	—	—	—	—	—	—
Newcastle (CA).....	—	—	—	6,064	—	—	—	—	—	—	—
Oak Flat (CA).....	—	—	—	353	—	—	—	—	—	—	—
Oakland (CA).....	—	—	—	—	—	—	—	—	—	—	—
Phoenix (CA).....	—	—	—	473	—	—	—	—	—	—	—
Pit 1 (CA).....	—	—	—	32,107	—	—	—	—	—	—	—
Pit 3 (CA).....	—	—	—	48,771	—	—	—	—	—	—	—
Pit 4 (CA).....	—	—	—	55,140	—	—	—	—	—	—	—
Pit 5 (CA).....	—	—	—	107,336	—	—	—	—	—	—	—
Pit 6 (CA).....	—	—	—	44,690	—	—	—	—	—	—	—
Pit 7 (CA).....	—	—	—	60,401	—	—	—	—	—	—	—
Pittsburg (CA).....	—	—	545,955	—	—	—	—	—	5,351	—	759
Poe (CA).....	—	—	—	76,928	—	—	—	—	—	—	—
Potrero (CA).....	—	15,783	102,345	—	—	—	—	35	1,029	—	162
Potter Valley (CA).....	—	—	—	5,758	—	—	—	—	—	—	—
PVUSA 1 (CA).....	—	—	—	—	—	44	—	—	—	—	—
Rock Creek (CA).....	—	—	—	73,928	—	—	—	—	—	—	—
Salt Springs (CA).....	—	—	—	21,620	—	—	—	—	—	—	—
San Joaquin No. 1a (CA).....	—	—	—	76	—	—	—	—	—	—	—
San Joaquin No. 2 (CA).....	—	—	—	615	—	—	—	—	—	—	—
San Joaquin 3 (CA).....	—	—	—	785	—	—	—	—	—	—	—
South (CA).....	—	—	—	5,125	—	—	—	—	—	—	—
Spaulding No. 1 (CA).....	—	—	—	3,757	—	—	—	—	—	—	—
Spaulding No. 2 (CA).....	—	—	—	337	—	—	—	—	—	—	—
Spaulding No. 3 (CA).....	—	—	—	3,468	—	—	—	—	—	—	—
Spring Gap (CA).....	—	—	—	3,746	—	—	—	—	—	—	—
Stanislaus (CA).....	—	—	—	35,835	—	—	—	—	—	—	—
The Geysers (CA).....	—	—	—	—	—	437,090	—	—	—	—	—
Tiger Creek (CA).....	—	—	—	30,681	—	—	—	—	—	—	—
Toadtown (CA).....	—	—	—	703	—	—	—	—	—	—	—
Tule River (CA).....	—	—	—	1,353	—	—	—	—	—	—	—
Volta (CA).....	—	—	—	6,225	—	—	—	—	—	—	—
Volta 2 (CA).....	—	—	—	725	—	—	—	—	—	—	—
West Point (CA).....	—	—	—	8,841	—	—	—	—	—	—	—
Wise (CA).....	—	—	—	6,589	—	—	—	—	—	—	—
Wishon, A G (CA).....	—	—	—	5,045	—	—	—	—	—	—	—
Pacificorp.....	5,202,821	3,194	35,810	697,763	—	13,796	2,869	6	471	2,740	38
American Fork (UT).....	—	—	—	—	—	—	—	—	—	—	—
Ashton (ID).....	—	—	—	3,185	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pacificorp											
Beaver Upper (UT).....	—	—	—	710	—	—	—	—	—	—	—
Bend (OR).....	—	—	—	221	—	—	—	—	—	—	—
Big Fork (MT).....	—	—	—	1,327	—	—	—	—	—	—	—
Blundell (UT).....	—	—	—	—	—	13,796	—	—	—	—	—
Bridger, Jim (WY).....	1,439,252	1,195	—	—	—	—	807	2	—	148	16
Carbon (UT).....	96,135	160	—	—	—	—	44	*	—	45	*
Centralia (WA).....	937,923	—	—	—	—	—	615	—	—	864	4
Clearwater 1 (OR).....	—	—	—	5,800	—	—	—	—	—	—	—
Clearwater 2 (OR).....	—	—	—	7,725	—	—	—	—	—	—	—
Cline Falls (OR).....	—	—	—	138	—	—	—	—	—	—	—
Condit (WA).....	—	—	—	7,924	—	—	—	—	—	—	—
Copco 1 (CA).....	—	—	—	18,512	—	—	—	—	—	—	—
Copco 2 (CA).....	—	—	—	21,652	—	—	—	—	—	—	—
Cove (ID).....	—	—	—	4,606	—	—	—	—	—	—	—
Cutler (UT).....	—	—	—	13,153	—	—	—	—	—	—	—
Eagle Point (OR).....	—	—	—	-1	—	—	—	—	—	—	—
East Side (OR).....	—	—	—	1,366	—	—	—	—	—	—	—
Fall Creek (CA).....	—	—	—	1,037	—	—	—	—	—	—	—
Fish Creek (OR).....	—	—	—	7,489	—	—	—	—	—	—	—
Ftn Green (UT).....	—	—	—	108	—	—	—	—	—	—	—
Gadsby (UT).....	—	—	24,368	—	—	—	—	—	279	—	—
Grace (ID).....	—	—	—	20,308	—	—	—	—	—	—	—
Granite (UT).....	—	—	—	-2	—	—	—	—	—	—	—
Hunter (emery) (UT).....	939,764	314	—	—	—	—	365	1	—	758	5
Huntington Canyon (UT).....	584,469	582	—	—	—	—	248	1	—	528	6
Hydro No. 1 (UT).....	—	—	—	202	—	—	—	—	—	—	—
Hydro No. 2 (UT).....	—	—	—	146	—	—	—	—	—	—	—
Hydro No. 3 (UT).....	—	—	—	182	—	—	—	—	—	—	—
Iron Gate (CA).....	—	—	—	13,906	—	—	—	—	—	—	—
John C Boyle (OR).....	—	—	—	67,391	—	—	—	—	—	—	—
Johnston, Dave (WY).....	517,739	535	—	—	—	—	364	1	—	179	4
Last Chance (UT).....	—	—	—	863	—	—	—	—	—	—	—
Lemolo 1 (OR).....	—	—	—	15,067	—	—	—	—	—	—	—
Lemolo 2 (OR).....	—	—	—	20,905	—	—	—	—	—	—	—
Little Mountain (UT).....	—	—	10,978	—	—	—	—	—	188	—	1
Merwin (WA).....	—	—	—	103,425	—	—	—	—	—	—	—
Naches (WA).....	—	—	—	2,342	—	—	—	—	—	—	—
Naches Drop (WA).....	—	—	—	533	—	—	—	—	—	—	—
Naughton (WY).....	450,818	—	464	—	—	—	249	—	5	217	1
Olmstead (UT).....	—	—	—	5,448	—	—	—	—	—	—	—
Oneida (ID).....	—	—	—	8,073	—	—	—	—	—	—	—
Paris (ID).....	—	—	—	143	—	—	—	—	—	—	—
Pioneer (UT).....	—	—	—	-12	—	—	—	—	—	—	—
Powerdale (OR).....	—	—	—	2,910	—	—	—	—	—	—	—
Prospect 1 (OR).....	—	—	—	1,690	—	—	—	—	—	—	—
Prospect 2 (OR).....	—	—	—	19,851	—	—	—	—	—	—	—
Prospect 3 (OR).....	—	—	—	5,156	—	—	—	—	—	—	—
Prospect 4 (OR).....	—	—	—	333	—	—	—	—	—	—	—
Skookumchuck (WA).....	—	—	—	—	—	—	—	—	—	—	—
Slide Creek (OR).....	—	—	—	10,564	—	—	—	—	—	—	—
Snake Creek (UT).....	—	—	—	275	—	—	—	—	—	—	—
Soda (ID).....	—	—	—	3,806	—	—	—	—	—	—	—
Soda Springs (OR).....	—	—	—	8,013	—	—	—	—	—	—	—
St Anthony (ID).....	—	—	—	379	—	—	—	—	—	—	—
Stairs (UT).....	—	—	—	372	—	—	—	—	—	—	—
Swift No. 2 (WA).....	—	—	—	34,698	—	—	—	—	—	—	—
Swift 1 (WA).....	—	—	—	117,062	—	—	—	—	—	—	—
Toketee (OR).....	—	—	—	25,463	—	—	—	—	—	—	—
Viva (WY).....	—	—	—	89	—	—	—	—	—	—	—
Wallowa Falls (OR).....	—	—	—	144	—	—	—	—	—	—	—
Weber (UT).....	—	—	—	2,201	—	—	—	—	—	—	—
West Side (OR).....	—	—	—	501	—	—	—	—	—	—	—
Wyodak (WY).....	236,721	408	—	—	—	—	177	1	—	—	2
Yale (WA).....	—	—	—	110,384	—	—	—	—	—	—	—
Painesville (City of).....	12,088	—	53	—	—	—	8	—	1	13	—
Painesville (OH).....	12,088	—	53	—	—	—	8	—	1	13	—
Pasadena (City of).....	—	—	15,264	986	—	—	—	—	207	—	5

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pasadena (City of)											
Azusa (CA)	—	—	—	986	—	—	—	—	—	—	—
Broadway (CA)	—	—	15,233	—	—	—	—	—	206	—	5
Glenarm (CA)	—	—	31	—	—	—	—	—	1	—	—
Peabody (City of)	—	—	71	—	—	—	—	—	1	—	5
Waters River (MA)	—	—	71	—	—	—	—	—	1	—	5
Pella (City of)	3,783	—	—	—	—	—	3	—	—	2	—
Pella (IA)	3,783	—	—	—	—	—	3	—	—	2	—
Pend Oreille Pub Util D #1	—	—	—	39,326	—	—	—	—	—	—	—
Box Canyon (WA)	—	—	—	39,146	—	—	—	—	—	—	—
Calispel Creek (WA)	—	—	—	180	—	—	—	—	—	—	—
Pennsylvania Electric Co.	3,908,416	6,488	1,509	-573	—	—	1,516	12	14	2,104	57
Blossburg (PA)	—	—	—	—	—	—	—	—	—	—	—
Conemaugh (PA)	1,180,911	49	1,513	—	—	—	439	*	14	742	5
Deep Creek (MD)	—	—	—	129	—	—	—	—	—	—	—
Homer City (PA)	1,127,150	2,981	—	—	—	—	452	5	—	589	7
Keystone (PA)	1,171,096	1,265	—	—	—	—	440	2	—	543	10
Piney (PA)	—	—	—	2,581	—	—	—	—	—	—	—
Seneca (PA)	—	—	—	-3,283	—	—	—	—	—	—	—
Seward (PA)	89,459	274	—	—	—	—	39	*	—	80	1
Shawville (PA)	327,674	1,162	—	—	—	—	138	2	—	114	10
Warren (PA)	12,126	849	—	—	—	—	7	2	—	35	10
Wayne (PA)	—	-92	—	—	—	—	—	—	—	—	15
Pennsylvania Power Co.	1,060,192	2,398	—	—	—	—	451	4	—	1,398	12
Mansfield, Bruce (PA)	931,102	2,281	—	—	—	—	393	4	—	1,375	12
New Castle (PA)	129,090	117	—	—	—	—	58	*	—	22	*
Pennsylvania Pwr & Lgt Co.	1,879,761	44,730	1,683	15,304	1,643,007	—	739	26	37	3,532	2,013
Allentown (PA)	—	—	—	—	—	—	—	—	—	—	5
Brunner Island (PA)	731,787	380	—	—	—	—	274	1	—	487	9
Coal Storage (PA)	—	—	—	—	—	—	—	—	—	1,758	—
Fishbach (PA)	—	—	—	—	—	—	—	—	—	—	2
Harrisburg (PA)	—	—	—	—	—	—	—	—	—	—	4
Harwood (PA)	—	—	—	—	—	—	—	—	—	—	2
Holtwood (PA)	19,753	10,027	—	15,275	—	—	15	*	—	66	*
Jenkins (PA)	—	—	—	—	—	—	—	—	—	—	2
Loch Haven (PA)	—	—	—	—	—	—	—	—	—	—	2
Martins Creek (PA)	76,952	4,926	1,683	—	—	—	33	16	37	74	1,972
Montour (PA)	871,877	1,758	—	—	—	—	321	8	—	415	8
Sunbury (PA)	179,392	27,634	—	—	—	—	97	1	—	732	1
Susquehanna (PA)	—	—	—	—	1,643,007	—	—	—	—	—	—
Wallenpaupack (PA)	—	—	—	29	—	—	—	—	—	—	—
West Shore (PA)	—	5	—	—	—	—	—	*	—	—	2
Williamsport (PA)	—	—	—	—	—	—	—	—	—	—	2
Peru (City of)	—	-12	-97	3,421	—	—	—	*	—	—	1
Peru (IL)	—	-12	-97	3,421	—	—	—	*	—	—	1
Peru Utilities	—	—	—	—	—	—	—	—	—	1	*
Peru (IN)	—	—	—	—	—	—	—	—	—	1	*
Piqua (City of)	-71	-30	—	—	—	—	—	*	—	—	3
Piqua (OH)	-71	-30	—	—	—	—	—	*	—	—	3
Placer County Wtr Agency	—	—	—	110,600	—	—	—	—	—	—	—
French Meadows (CA)	—	—	—	—	—	—	—	—	—	—	—
Hell Hole (CA)	—	—	—	246	—	—	—	—	—	—	—
Middle Fork (CA)	—	—	—	62,533	—	—	—	—	—	—	—
Oxbow (CA)	—	—	—	3,326	—	—	—	—	—	—	—
Ralston (CA)	—	—	—	44,495	—	—	—	—	—	—	—
Plains El Gen Trans Coop	169,802	—	777	—	—	—	95	—	9	51	9
Algodones (NM)	—	—	—	—	—	—	—	—	—	—	—
Escalante (NM)	169,802	—	777	—	—	—	95	—	9	51	9

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Plaquemine (City of).....	—	—	—	—	—	—	—	—	—	—	—
Plaquemine (LA).....	—	—	—	—	—	—	—	—	—	—	—
Platte River Power Auth.....	189,941	—	—	—	—	—	112	—	—	109	2
Rawhide (CO).....	189,941	—	—	—	—	—	112	—	—	109	2
Portland General Elec Co.....	382,258	23,800	369,169	297,035	—	—	233	38	3,010	196	144
Beaver (OR).....	—	23,500	215,470	—	—	—	—	37	1,930	—	121
Bethel (OR).....	—	—	—	—	—	—	—	—	—	—	19
Boardman (OR).....	382,258	300	—	—	—	—	233	1	—	196	3
Bull Run (OR).....	—	—	—	13,676	—	—	—	—	—	—	—
Coyote Springs (OR).....	—	—	153,699	—	—	—	—	—	1,080	—	—
Faraday (OR).....	—	—	—	25,814	—	—	—	—	—	—	—
North Fork (OR).....	—	—	—	30,318	—	—	—	—	—	—	—
Oak Grove (OR).....	—	—	—	27,369	—	—	—	—	—	—	—
Pelton (OR).....	—	—	—	44,685	—	—	—	—	—	—	—
Pelton Re Regulation (OR).....	—	—	—	9,037	—	—	—	—	—	—	—
Portland Hydro Proj 1 (OR).....	—	—	—	17,195	—	—	—	—	—	—	—
Portland Hydro Proj 2 (OR).....	—	—	—	—	—	—	—	—	—	—	—
River Mill (OR).....	—	—	—	15,414	—	—	—	—	—	—	—
Round Butte (OR).....	—	—	—	104,158	—	—	—	—	—	—	—
Sullivan (OR).....	—	—	—	9,369	—	—	—	—	—	—	—
Potomac Edison Co (The).....	-462	—	—	498	—	—	—	*	—	42	*
Dam 4 (WV).....	—	—	—	141	—	—	—	—	—	—	—
Dam 5 (WV).....	—	—	—	113	—	—	—	—	—	—	—
Luray (VA).....	—	—	—	70	—	—	—	—	—	—	—
Millville (WV).....	—	—	—	57	—	—	—	—	—	—	—
Newport (VA).....	—	—	—	105	—	—	—	—	—	—	—
Shenandoah (VA).....	—	—	—	12	—	—	—	—	—	—	—
Smith, R P (MD).....	-462	—	—	—	—	—	—	*	—	42	*
Warren (VA).....	—	—	—	—	—	—	—	—	—	—	—
Potomac Electric Pwr Co.....	1,597,693	134,120	19,041	—	—	—	556	261	198	538	957
Benning (DC).....	—	-547	—	—	—	—	—	1	—	—	101
Buzzard Point (DC).....	—	-269	—	—	—	—	—	—	—	—	19
Chalk Point (MD).....	287,067	133,114	19,041	—	—	—	102	255	198	134	532
Dickerson (MD).....	320,379	832	—	—	—	—	116	2	—	71	151
Morgantown (MD).....	808,860	-68	—	—	—	—	264	*	—	224	152
Potomac River (VA).....	181,387	1,058	—	—	—	—	74	2	—	108	1
Power Authy of St of N Y.....	—	189,238	99,753	1,841,329	706,677	—	—	324	779	—	625
Ashokan (NY).....	—	—	—	1,366	—	—	—	—	—	—	—
Blenheim (NY).....	—	—	—	-73,919	—	—	—	—	—	—	—
Crescent (NY).....	—	—	—	3,187	—	—	—	—	—	—	—
Fitzpatrick (NY).....	—	—	—	—	89,990	—	—	—	—	—	—
Flynn (NY).....	—	5,540	98,759	—	—	—	—	8	768	—	73
Hinckley (NY).....	—	—	—	954	—	—	—	—	—	—	—
Indian Point (NY).....	—	—	—	—	616,687	—	—	—	—	—	—
Kensico (NY).....	—	—	—	642	—	—	—	—	—	—	—
Lewiston (NY).....	—	—	—	-15,188	—	—	—	—	—	—	—
Moses Niagara (NY).....	—	—	—	1,412,696	—	—	—	—	—	—	—
Moses Power Dam (NY).....	—	—	—	508,438	—	—	—	—	—	—	—
Poletti (NY).....	—	183,698	994	—	—	—	—	317	10	—	552
Vischer Ferry (NY).....	—	—	—	3,153	—	—	—	—	—	—	—
Princeton (City of).....	—	8	43	—	—	—	—	*	*	—	1
Princeton (IL).....	—	8	43	—	—	—	—	*	*	—	1
Pub Serv Co of New Hamp.....	351,328	164,555	11	27,584	—	—	142	271	*	278	415
Amoskeag (NH).....	—	—	—	6,740	—	—	—	—	—	—	—
Ayers Island (NH).....	—	—	—	4,362	—	—	—	—	—	—	—
Canaan (VT).....	—	—	—	967	—	—	—	—	—	—	—
Eastman Falls (NH).....	—	—	—	2,315	—	—	—	—	—	—	—
Garvins Falls (NH).....	—	—	—	3,291	—	—	—	—	—	—	—
Gorham (NH).....	—	—	—	994	—	—	—	—	—	—	—
Hooksett (NH).....	—	—	—	1,134	—	—	—	—	—	—	—
Jackman (NH).....	—	—	—	686	—	—	—	—	—	—	—
Lost Nation (NH).....	—	24	—	—	—	—	—	*	—	—	1
Merrimack (NH).....	296,695	12	—	—	—	—	114	*	—	256	2

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pub Serv Co of New Hamp											
Newington (NH)	—	164,018	—	—	—	—	—	270	—	—	407
Schiller (NH)	54,633	513	11	—	—	—	28	1	*	21	3
Smith (NH)	—	—	—	7,095	—	—	—	—	—	—	—
White Lake (NH)	—	-12	—	—	—	—	—	—	—	—	1
Pub Serv Co of New Mexico	1,045,650	1,873	8,602	—	—	—	611	4	114	659	34
Las Vegas (NM)	—	-14	—	—	—	—	—	—	—	—	4
Reeves (NM)	—	—	8,602	—	—	—	—	—	114	—	—
San Juan (NM)	1,045,650	1,887	—	—	—	—	611	4	—	659	30
Public Serv Elec & Gas Co	453,420	3,076	60,892	—	2,097,682	—	176	14	644	449	1,126
Bayonne (NJ)	—	-10	—	—	—	—	—	—	—	—	4
Bergen (NJ)	—	—	29,503	—	—	—	—	—	250	—	115
Burlington (NJ)	—	-39	913	—	—	—	—	1	9	—	74
Edison (NJ)	—	—	2,147	—	—	—	—	—	31	—	102
Essex (NJ)	—	—	5,035	—	—	—	—	—	64	—	111
Hope Creek (NJ)	—	—	—	—	774,848	—	—	—	—	—	—
Hudson (NJ)	191,541	—	16,872	—	—	—	80	—	195	196	141
Kearny (NJ)	—	-535	168	—	—	—	—	5	3	—	214
Linden (NJ)	—	3,286	4,097	—	—	—	—	8	60	—	214
Mercer (NJ)	261,879	349	2,011	—	—	—	97	*	13	254	—
National Park (NJ)	—	-4	—	—	—	—	—	—	—	—	4
Salem (NJ)	—	2	—	—	1,322,834	—	—	*	—	—	13
Sewaren (NJ)	—	27	146	—	—	—	—	1	19	—	136
Public Service Co of Colo	1,497,829	2,982	42,209	2,108	—	—	833	6	769	1,190	80
Alamosa (CO)	—	749	154	—	—	—	—	4	4	—	4
Ames (CO)	—	—	—	1,364	—	—	—	—	—	—	—
Arapahoe (CO)	92,379	—	18,460	—	—	—	62	—	263	62	—
Boulder Hydro (CO)	—	—	—	1,525	—	—	—	—	—	—	—
Cabin Creek (CO)	—	—	—	-13,536	—	—	—	—	—	—	—
Cameo (CO)	48,735	—	156	—	—	—	28	—	2	2	*
Cherokee (CO)	355,553	—	11,160	—	—	—	165	—	118	207	—
Comanche (CO)	366,558	—	1,609	—	—	—	223	—	17	361	1
Fort Lupton (CO)	—	—	5,972	—	—	—	—	—	101	—	10
Fort St. Vrain (CO)	—	—	-12,157	—	—	—	—	—	2	—	—
Fruita (CO)	—	1,632	—	—	—	—	—	1	—	—	1
Georgetown Hydro (CO)	—	—	—	215	—	—	—	—	—	—	—
Hayden (CO)	176,828	601	872	—	—	—	91	1	9	151	1
Palisade Hydro (CO)	—	—	—	2,073	—	—	—	—	—	—	—
Pawnee (CO)	341,935	—	84	—	—	—	212	—	1	343	8
Salida No. 1 Hydro (CO)	—	—	—	169	—	—	—	—	—	—	—
Salida No. 2 Hydro (CO)	—	—	—	39	—	—	—	—	—	—	—
Shoshone Hydro (CO)	—	—	—	8,228	—	—	—	—	—	—	—
Tacoma (CO)	—	—	—	2,031	—	—	—	—	—	—	—
Valmont (CO)	115,841	—	6,889	—	—	—	53	—	98	65	9
Zuni (CO)	—	—	9,010	—	—	—	—	—	153	—	45
Public Service Co of Okla	631,046	178	363,829	—	—	—	364	*	3,416	522	103
Comanche (OK)	—	11	149,421	—	—	—	—	*	1,270	—	*
Northeastern (OK)	631,046	2	1,572	—	—	—	364	*	16	522	*
Riverside (OK)	—	—	133,996	—	—	—	—	—	1,283	—	53
Southwestern (OK)	—	165	78,259	—	—	—	—	*	840	—	48
Tulsa (OK)	—	—	—	—	—	—	—	—	—	—	*
Weleetka (OK)	—	—	581	—	—	—	—	—	8	—	*
Puget Sound Pwr & Lgt Co	—	24,701	26,031	145,051	—	—	—	53	298	—	69
Crystal Mountain (WA)	—	35	—	—	—	—	—	*	—	—	1
Electron (WA)	—	—	—	13,382	—	—	—	—	—	—	—
Frederickson (WA)	—	7,565	4,217	—	—	—	—	15	51	—	12
Fredonia (WA)	—	10,341	19,871	—	—	—	—	20	224	—	26
Lower Baker (WA)	—	—	—	47,233	—	—	—	—	—	—	—
Nooksack (WA)	—	—	—	-2	—	—	—	—	—	—	—
Snoqualmie (WA)	—	—	—	25,875	—	—	—	—	—	—	—
South Whidbey (WA)	—	—	—	—	—	—	—	—	—	—	1
Upper Baker (WA)	—	—	—	36,102	—	—	—	—	—	—	—
White River (WA)	—	—	—	22,461	—	—	—	—	—	—	—
Whitehorn (WA)	—	6,760	1,943	—	—	—	—	18	23	—	30

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
PECO Energy Co.	340,565	188,689	21,577	-3,083	2,806,427	—	166	394	266	185	426
Chester (PA).....	—	8	—	—	—	—	—	*	—	—	6
Conowingo (MD).....	—	—	—	27,486	—	—	—	—	—	—	—
Cromby (PA).....	77,183	36,860	8,771	—	—	—	36	72	105	38	35
Croydon (PA).....	—	504	—	—	—	—	—	1	—	—	60
Delaware (PA).....	—	3,454	—	—	—	—	—	13	—	—	66
Eddystone (PA).....	263,382	147,701	12,806	—	—	—	130	305	161	147	205
Falls (PA).....	—	—	—	—	—	—	—	—	—	—	8
Limerick (PA).....	—	—	—	—	1,307,148	—	—	—	—	—	—
Moser (PA).....	—	—	—	—	—	—	—	—	—	—	9
Muddy Run (PA).....	—	—	—	-30,569	—	—	—	—	—	—	—
Oil Storage (PA).....	—	—	—	—	—	—	—	—	—	—	—
Peach Bottom (PA).....	—	—	—	—	1,499,279	—	—	—	—	—	—
Richmond (PA).....	—	467	—	—	—	—	—	1	—	—	27
Schuylkill (PA).....	—	-309	—	—	—	—	—	2	—	—	5
Southwark (PA).....	—	4	—	—	—	—	—	*	—	—	6
PSI Energy, Inc.	2,579,332	11,661	5,074	40,565	—	—	1,216	23	58	2,302	48
Cayuga (IN).....	570,540	25	1,556	—	—	—	288	*	17	170	12
Connersville (IN).....	—	—	—	—	—	—	—	—	—	—	8
Edwardsport (IN).....	38,221	79	—	—	—	—	33	*	—	56	3
Gallagher, R (IN).....	268,152	2,296	—	—	—	—	125	5	—	91	2
Gibson (IN).....	1,480,210	3,157	—	—	—	—	647	5	—	1,521	7
Markland (IN).....	—	—	—	40,565	—	—	—	—	—	—	—
Miami Wabash (IN).....	—	-108	—	—	—	—	—	—	—	—	10
Noblesville (IN).....	24,474	77	—	—	—	—	14	*	—	49	1
Wabash River (IN).....	197,735	6,135	3,518	—	—	—	109	13	41	415	6
Redding (City of)	—	—	876	2,575	—	—	—	—	14	—	—
Redding Power (CA).....	—	—	876	—	—	—	—	—	14	—	—
Whiskeytown (CA).....	—	—	—	2,575	—	—	—	—	—	—	—
Richmond (City of)	63,726	19	—	—	—	—	30	*	—	27	1
Whitewater Valley (IN).....	63,726	19	—	—	—	—	30	*	—	27	1
Rochester (City of)	26,608	25	543	712	—	—	14	*	6	37	2
Cascade Creek (MN).....	—	25	—	—	—	—	—	*	—	—	2
Rochester (MN).....	—	—	—	712	—	—	—	—	—	—	—
Silver Lake (MN).....	26,608	—	543	—	—	—	14	—	6	37	—
Rochester Gas & Elec Corp	169,810	183	3	2,166	364,987	—	65	*	*	160	2
Ginna (NY).....	—	—	—	82	364,987	—	—	—	—	—	—
Station 160 (NY).....	—	—	—	—	—	—	—	—	—	—	—
Station 170 (NY).....	—	—	—	—	—	—	—	—	—	—	—
Station 172 (NY).....	—	—	—	—	—	—	—	—	—	—	—
Station 2 (NY).....	—	—	—	30	—	—	—	—	—	—	—
Station 26 (NY).....	—	—	—	217	—	—	—	—	—	—	—
Station 3 (NY).....	48,506	7	—	—	—	—	19	*	—	1	1
Station 5 (NY).....	—	—	—	1,837	—	—	—	—	—	—	—
Station 7 (NY).....	121,304	176	—	—	—	—	47	*	—	159	1
Station 9 (NY).....	—	—	3	—	—	—	—	—	*	—	—
Rockville Ctr(Village of)	—	36	138	—	—	—	—	*	2	—	2
Rockville (NY).....	—	36	138	—	—	—	—	*	2	—	2
Russell (City of)	—	57	585	—	—	—	—	1	35	—	1
Russell (KS).....	—	57	585	—	—	—	—	1	35	—	1
Ruston (City of)	—	—	11,042	—	—	—	—	—	121	—	—
Ruston (LA).....	—	—	11,042	—	—	—	—	—	121	—	—
Sacramento Mun Util Dist	—	—	239,947	133,578	—	129	—	*	1,937	—	3
Camino (CA).....	—	—	—	27,481	—	—	—	—	—	—	—
Camp Far W (CA).....	—	—	—	2,813	—	—	—	—	—	—	—
Campbell Soup (CA).....	—	—	133,326	—	—	—	—	—	831	—	—
Carson (CA).....	—	—	45,258	—	—	—	—	—	440	—	—
Coldwater Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Hedge PV (CA).....	—	—	—	—	—	16	—	—	—	—	—
Jaybird (CA).....	—	—	—	42,346	—	—	—	—	—	—	—
Jones Fork (CA).....	—	—	—	1,416	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Sacramento Mun Util Dist											
Loon Lake (CA).....	—	—	—	10,388	—	—	—	—	—	—	—
McClellan (CA).....	—	—	41	—	—	—	—	*	1	—	3
Proc&Gamble (CA).....	—	—	61,322	—	—	—	—	—	665	—	—
Robbs Peak (CA).....	—	—	—	4,051	—	—	—	—	—	—	—
Slab Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Smudgeo (CA).....	—	—	—	—	—	—	—	—	—	—	—
Solano (CA).....	—	—	—	—	—	110	—	—	—	—	—
Solar (CA).....	—	—	—	—	—	3	—	—	—	—	—
Union Valley (CA).....	—	—	—	9,064	—	—	—	—	—	—	—
White Rock (CA).....	—	—	—	36,019	—	—	—	—	—	—	—
Safe Harbor Water Power Corp	—	—	—	15,118	—	—	—	—	—	—	—
Safe Harbor (PA).....	—	—	—	15,118	—	—	—	—	—	—	—
Saint Marys (City of)	3,590	—	—	—	—	—	2	—	—	1	*
Saint Marys (OH).....	3,590	—	—	—	—	—	2	—	—	1	*
Salt River Project	1,914,241	2,878	181,401	22,676	—	—	904	5	1,816	853	250
Agua Fria (AZ).....	—	—	86,719	—	—	—	—	—	922	—	57
Coronado (AZ).....	373,150	1,435	—	—	—	—	194	2	—	227	13
Crosscut (AZ).....	—	—	—	264	—	—	—	—	—	—	—
Horse Mesa (AZ).....	—	—	—	13,834	—	—	—	—	—	—	—
Kyrene (AZ).....	—	—	5,373	—	—	—	—	—	73	—	51
Mormon Flat (AZ).....	—	—	—	7,790	—	—	—	—	—	—	—
Navajo (AZ).....	1,541,091	1,433	—	—	—	—	709	2	—	626	35
Roosevelt (AZ).....	—	—	—	653	—	—	—	—	—	—	—
San Tan (AZ).....	—	10	89,309	—	—	—	—	*	820	—	93
South Con (AZ).....	—	—	—	144	—	—	—	—	—	—	—
Stewart Mtn (AZ).....	—	—	—	-9	—	—	—	—	—	—	—
Tnk Frm Stg (AZ).....	—	—	—	—	—	—	—	—	—	—	—
San Antonio Pub Serv Brd	914,247	517	64,698	—	—	—	540	1	775	662	321
Braunig, V H (TX).....	—	18	37,631	—	—	—	—	*	412	—	177
Deely, J T (TX).....	533,109	467	—	—	—	—	330	1	—	662	144
J K Spruce (TX).....	381,138	—	201	—	—	—	209	—	2	—	—
Leon Creek (TX).....	—	—	-134	—	—	—	—	—	—	—	—
Mission Road (TX).....	—	—	-150	—	—	—	—	—	—	—	—
Sommers, O W (TX).....	—	32	24,676	—	—	—	—	*	321	—	—
Tuttle, W B (TX).....	—	—	2,474	—	—	—	—	—	40	—	—
San Diego Gas & Elec Co	—	174	323,251	—	—	—	—	*	3,424	—	553
Division (CA).....	—	—	—	—	—	—	—	—	—	—	—
El Cajon (CA).....	—	—	151	—	—	—	—	*	3	—	1
Encina (CA).....	—	1	170,558	—	—	—	—	*	1,799	—	280
Kearny (CA).....	—	—	1,816	—	—	—	—	—	30	—	36
Leased Strg (CA).....	—	—	—	—	—	—	—	—	—	—	*
Miramar (CA).....	—	1	2,404	—	—	—	—	*	39	—	4
Naval Station (CA).....	—	5	466	—	—	—	—	*	7	—	1
Naval Training Cntr (CA).....	—	9	259	—	—	—	—	*	4	—	1
North Island (CA).....	—	89	12	—	—	—	—	*	*	—	5
Silver Gate (CA).....	—	—	—	—	—	—	—	—	—	—	—
South Bay (CA).....	—	69	147,585	—	—	—	—	*	1,541	—	225
San Miguel Elec Coop Inc	290,509	70	—	—	—	—	384	*	—	149	20
San Miguel (TX).....	290,509	70	—	—	—	—	384	*	—	149	20
Santa Clara (City of)	—	—	5,361	6,805	—	—	—	—	73	—	—
Black Butte (CA).....	—	—	—	—	—	—	—	—	—	—	—
Cogen Plant (CA).....	—	—	4,717	—	—	—	—	—	69	—	—
Gianera (CA).....	—	—	644	—	—	—	—	—	4	—	—
Grizzly (CA).....	—	—	—	5,914	—	—	—	—	—	—	—
Highline (CA).....	—	—	—	—	—	—	—	—	—	—	—
Stony Gorge (CA).....	—	—	—	891	—	—	—	—	—	—	—
Savannah Elec & Pwr Co	143,490	180	18,243	—	—	—	68	*	242	103	127
Boulevard (GA).....	—	—	—	—	—	—	—	—	—	—	6
Kraft (GA).....	77,494	—	1,241	—	—	—	34	—	14	40	24
McIntosh (GA).....	65,996	180	17,002	—	—	—	35	*	227	63	97
Riverside (GA).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Seattle (City of).....	—	—	—	456,643	—	—	—	—	—	—	—
Boundary (WA).....	—	—	—	249,172	—	—	—	—	—	—	—
Cedar Falls (WA).....	—	—	—	10,463	—	—	—	—	—	—	—
Diablo (WA).....	—	—	—	59,001	—	—	—	—	—	—	—
Gorge (WA).....	—	—	—	73,445	—	—	—	—	—	—	—
New Halem (WA).....	—	—	—	-26	—	—	—	—	—	—	—
Ross Dam (WA).....	—	—	—	53,828	—	—	—	—	—	—	—
South Fork Tolt (WA).....	—	—	—	10,760	—	—	—	—	—	—	—
Seminole Electric Coop.....	727,477	40,257	—	—	—	—	297	4	—	603	10
Seminole (FL).....	727,477	40,257	—	—	—	—	297	4	—	603	10
Shelby (City of).....	3,555	1	3	—	—	—	3	*	*	*	*
Shelby (OH).....	3,555	1	3	—	—	—	3	*	*	*	*
Sierra Pacific Power Co.....	339,432	27,485	309,051	4,346	—	—	163	56	3,251	272	132
Battle Mt (NV).....	—	10	—	—	—	—	—	*	—	—	*
Brunswick (NV).....	—	21	—	—	—	—	—	*	—	—	*
Elko (NV).....	—	—	—	—	—	—	—	—	—	—	—
Fallon (NV).....	—	-1	—	—	—	—	—	—	—	—	—
Farad (CA).....	—	—	—	-6	—	—	—	—	—	—	—
Fleish (NV).....	—	—	—	1,803	—	—	—	—	—	—	—
Fort Churchill (NV).....	—	13,728	77,809	—	—	—	—	28	738	—	47
Gabbs (NV).....	—	20	—	—	—	—	—	*	—	—	1
Kings Beach (CA).....	—	65	—	—	—	—	—	*	—	—	1
Lahontan (NV).....	—	—	—	—	—	—	—	—	—	—	—
North Valmy (NV).....	339,432	896	—	—	—	—	163	2	—	272	4
Pinon Pine (NV).....	—	—	67,796	—	—	—	—	—	542	—	—
Portola (CA).....	—	26	—	—	—	—	—	*	—	—	*
Tracy (NV).....	—	12,700	163,493	—	—	—	—	25	1,971	—	79
Valley Road (NV).....	—	20	—	—	—	—	—	*	—	—	*
Verdi (NV).....	—	—	—	1,174	—	—	—	—	—	—	—
Washoe (NV).....	—	—	—	1,376	—	—	—	—	—	—	—
Winnemucca (NV).....	—	—	-47	—	—	—	—	—	—	—	—
26 Foot Drop (NV).....	—	—	—	-1	—	—	—	—	—	—	—
Sikeston (City of).....	116,028	251	—	—	—	—	73	*	—	212	1
Coleman, E. P. (MO).....	—	—	—	—	—	—	—	*	—	*	*
Sikeston (MO).....	116,028	251	—	—	—	—	73	*	—	212	1
So Carolina Elec & Gas Co.....	1,117,217	6,591	231	10,564	695,607	—	345	11	3	1,051	62
Burton (SC).....	—	—	—	—	—	—	—	—	—	—	1
Canadys (SC).....	80,853	1,032	42	—	—	—	42	2	1	119	4
Coit (SC).....	—	10	—	—	—	—	—	*	—	—	4
Columbia Hydro (SC).....	—	—	—	3,300	—	—	—	—	—	—	—
Cope (SC).....	252,394	97	—	—	—	—	59	*	—	143	4
Faber Place (SC).....	—	—	—	—	—	—	—	—	—	—	—
Fairfield County (SC).....	—	—	—	-17,747	—	—	—	—	—	—	—
Hagood (SC).....	—	—	—	—	—	—	—	—	—	—	13
Hardeeville (SC).....	—	—	—	—	—	—	—	—	—	*	*
Mcmeekin (SC).....	165,783	—	—	—	—	—	48	—	—	67	3
Neal Shoals (SC).....	—	—	—	2,124	—	—	—	—	—	—	—
Parr (SC).....	—	33	—	—	—	—	—	*	—	—	8
Parr Hydro (SC).....	—	—	—	5,808	—	—	—	—	—	—	—
Saluda Hydro (SC).....	—	—	—	10,762	—	—	—	—	—	—	—
Stevens Creek Hydro (GA).....	—	—	—	6,317	—	—	—	—	—	—	—
SRS (SC).....	1,198	2	—	—	—	—	1	*	—	71	*
Urquhart (SC).....	139,578	67	172	—	—	—	57	*	2	20	4
V. C. Summer (SC).....	—	—	—	—	695,607	—	—	—	—	—	—
Waterce (SC).....	372,206	1,753	—	—	—	—	94	2	—	345	10
Williams (SC).....	105,205	3,597	17	—	—	—	44	7	*	286	11
So Carolina Pub Serv Auth.....	1,326,887	3,353	1	33,346	—	—	515	7	*	1,261	151
Cross (SC).....	702,686	220	—	—	—	—	270	*	—	420	6
Grainger, Dolphus M (SC).....	32,730	78	—	—	—	—	13	*	—	51	*
Hilton Head (SC).....	—	707	—	—	—	—	—	2	—	—	39
Jefferies (SC).....	169,456	1,509	—	17,276	—	—	68	3	—	101	55
Myrtle Beach (SC).....	—	37	1	—	—	—	—	*	*	—	42
Spillway (SC).....	—	—	—	1,312	—	—	—	—	—	—	—
St Stephens (SC).....	—	—	—	14,758	—	—	—	—	—	—	—
Winyah (SC).....	422,015	802	—	—	—	—	164	1	—	690	9

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
South Miss Elec Pwr Assoc.....	127,847	492	56,459	—	—	—	55	1	674	228	12
Benndale (MS).....	—	—	41	—	—	—	—	—	1	—	—
Morrow (MS).....	127,847	492	—	—	—	—	55	1	—	228	7
Moselle (MS).....	—	—	56,418	—	—	—	—	—	673	—	3
Paulding (MS).....	—	—	—	—	—	—	—	—	—	—	2
South Texas Elec Coop Inc.....	—	—	-75	—	—	—	—	—	*	—	18
Sam Rayburn (TX).....	—	—	-75	—	—	—	—	—	*	—	18
Southern Calif Edison Co.....	1,029,658	2,393	382	393,592	1,622,050	—	466	5	4	426	1,828
Alamitos (CA).....	—	—	—	—	—	—	—	—	—	—	—
Baker Dam (CA).....	—	—	—	—	—	—	—	—	—	—	—
Big Creek 1 (CA).....	—	—	—	38,170	—	—	—	—	—	—	—
Big Creek 2 (CA).....	—	—	—	38,326	—	—	—	—	—	—	—
Big Creek 2a (CA).....	—	—	—	65,298	—	—	—	—	—	—	—
Big Creek 3 (CA).....	—	—	—	77,105	—	—	—	—	—	—	—
Big Creek 4 (CA).....	—	—	—	33,413	—	—	—	—	—	—	—
Big Creek 8 (CA).....	—	—	—	26,047	—	—	—	—	—	—	—
Bishop Creek 2 (CA).....	—	—	—	3,444	—	—	—	—	—	—	—
Bishop Creek 3 (CA).....	—	—	—	3,038	—	—	—	—	—	—	—
Bishop Creek 4 (CA).....	—	—	—	4,455	—	—	—	—	—	—	—
Bishop Creek 5 (CA).....	—	—	—	1,696	—	—	—	—	—	—	—
Bishop Creek 6 (CA).....	—	—	—	1,165	—	—	—	—	—	—	—
Borel (CA).....	—	—	—	5,188	—	—	—	—	—	—	—
Cool Water (CA).....	—	—	—	—	—	—	—	—	—	—	—
Dominguez Hills (CA).....	—	—	—	—	—	—	—	—	—	—	1,825
Eastwood (CA).....	—	—	—	16,349	—	—	—	—	—	—	—
El Segundo (CA).....	—	—	—	—	—	—	—	—	—	—	—
Ellwood (CA).....	—	—	—	—	—	—	—	—	—	—	—
Etiwanda (CA).....	—	—	—	—	—	—	—	—	—	—	—
Fontana (CA).....	—	—	—	809	—	—	—	—	—	—	—
Highgrove (CA).....	—	—	—	—	—	—	—	—	—	—	—
Huntington Beach (CA).....	—	—	—	—	—	—	—	—	—	—	—
Kaweah 1 (CA).....	—	—	—	1,036	—	—	—	—	—	—	—
Kaweah 2 (CA).....	—	—	—	712	—	—	—	—	—	—	—
Kaweah 3 (CA).....	—	—	—	2,477	—	—	—	—	—	—	—
Kern River 1 (CA).....	—	—	—	17,946	—	—	—	—	—	—	—
Kern River 3 (CA).....	—	—	—	12,943	—	—	—	—	—	—	—
Long Beach (CA).....	—	—	—	—	—	—	—	—	—	—	—
Lundy (CA).....	—	—	—	358	—	—	—	—	—	—	—
Lytle Creek (CA).....	—	—	—	340	—	—	—	—	—	—	—
Mammoth Pool (CA).....	—	—	—	30,537	—	—	—	—	—	—	—
Mandalay (CA).....	—	—	—	—	—	—	—	—	—	—	—
Mill Creek 1 (CA).....	—	—	—	758	—	—	—	—	—	—	—
Mill Creek 2&3 (CA).....	—	—	—	—	—	—	—	—	—	—	—
Mill Creek 3 (CA).....	—	—	—	1,259	—	—	—	—	—	—	—
Mohave (NV).....	1,029,658	—	382	—	—	—	466	—	4	426	—
Ontario 1 (CA).....	—	—	—	335	—	—	—	—	—	—	—
Ontario 2 (CA).....	—	—	—	124	—	—	—	—	—	—	—
Ormond Beach (CA).....	—	—	—	—	—	—	—	—	—	—	—
Pebbly Beach (CA).....	—	2,393	—	—	—	—	—	5	—	—	3
Poole (CA).....	—	—	—	1,406	—	—	—	—	—	—	—
Portal (CA).....	—	—	—	1,514	—	—	—	—	—	—	—
Redondo Beach (CA).....	—	—	—	—	—	—	—	—	—	—	—
Rush Creek (CA).....	—	—	—	4,137	—	—	—	—	—	—	—
San Bernardino (CA).....	—	—	—	—	—	—	—	—	—	—	—
San Geronio (CA).....	—	—	—	-5	—	—	—	—	—	—	—
San Geronio (CA).....	—	—	—	—	—	—	—	—	—	—	—
San Onofre (CA).....	—	—	—	—	1,622,050	—	—	—	—	—	—
Santa Ana 1 (CA).....	—	—	—	1,126	—	—	—	—	—	—	—
Santa Ana 2 (CA).....	—	—	—	—	—	—	—	—	—	—	—
Santa Ana 3 (CA).....	—	—	—	—	—	—	—	—	—	—	—
Sierra (CA).....	—	—	—	212	—	—	—	—	—	—	—
Tule River (CA).....	—	—	—	1,874	—	—	—	—	—	—	—
Southern Ill Pwr Coop.....	136,976	328	—	—	—	—	49	*	—	430	2
Marion (IL).....	136,976	328	—	—	—	—	49	*	—	430	2
Southern Indiana G & E Co.....	495,116	—	6,160	—	—	—	233	—	79	726	9
A. B. Brown (IN).....	232,018	—	2,263	—	—	—	111	—	24	278	2

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Southern Indiana G & E Co											
Broadway (IN).....	—	—	2,048	—	—	—	—	—	37	—	7
Culley (IN).....	208,079	—	422	—	—	—	97	—	4	258	—
Northeast (IN).....	—	—	6	—	—	—	—	—	*	—	—
Warrick (IN).....	55,019	—	1,421	—	—	—	25	—	14	190	—
Southwestern Elec Pwr Co	1,565,437	2,290	151,238	—	—	—	1,039	4	1,610	1,655	121
Arsenal Hill (LA).....	—	—	9,288	—	—	—	—	—	99	—	—
Flint Creek (AR).....	355,638	273	—	—	—	—	224	1	—	439	6
Knox Lee (TX).....	—	—	25,215	—	—	—	—	—	272	—	61
Lieberman (LA).....	—	—	3,998	—	—	—	—	—	46	—	20
Lone Star (TX).....	—	—	—	—	—	—	—	—	—	—	3
Pirkey (TX).....	322,406	—	2,615	—	—	—	269	—	28	341	—
Welsh (TX).....	887,393	2,017	—	—	—	—	547	4	—	876	14
Wilkes (TX).....	—	—	110,122	—	—	—	—	—	1,165	—	17
Southwestern Pub Serv Co	1,413,221	34	425,165	—	—	—	807	*	4,513	860	87
Carlsbad (NM).....	—	—	—	—	—	—	—	—	—	—	—
Cunningham (NM).....	—	—	117,759	—	—	—	—	—	1,221	—	—
Harrington (TX).....	720,925	—	612	—	—	—	427	—	7	438	—
Jones (TX).....	—	—	83,081	—	—	—	—	—	895	—	56
Maddox (NM).....	—	—	62,695	—	—	—	—	—	648	—	—
Moore County (TX).....	—	—	—	—	—	—	—	—	—	—	—
Nichols (TX).....	—	12	81,670	—	—	—	—	*	898	—	—
Plant X (TX).....	—	—	79,244	—	—	—	—	—	841	—	31
Riverview (TX).....	—	—	—	—	—	—	—	—	*	—	—
Tolk Station (TX).....	692,296	—	238	—	—	—	380	—	2	422	—
Tucumcari (NM).....	—	22	—	—	—	—	—	*	—	—	1
Soyland Power Coop Inc	-129	-79	—	—	—	—	—	*	—	6	4
Pearl Station (IL).....	-129	6	—	—	—	—	—	*	—	6	3
Pittsfield (IL).....	—	-85	—	—	—	—	—	—	—	—	1
Springfield (City of)	161,079	274	302	—	—	—	87	1	4	84	15
Dallman (IL).....	161,079	114	—	—	—	—	87	*	—	78	1
Factory (IL).....	—	—	—	—	—	—	—	—	—	—	4
Interstate (IL).....	—	160	302	—	—	—	—	*	4	—	8
Lakeside (IL).....	—	—	—	—	—	—	—	—	—	6	*
Reynolds (IL).....	—	—	—	—	—	—	—	—	—	—	1
Springfield (City of)	198,275	200	5,341	—	—	—	122	1	58	225	19
James River (MO).....	89,022	96	915	—	—	—	56	*	11	118	9
Main Street (MO).....	—	8	—	—	—	—	—	*	—	—	1
Southwest (MO).....	109,253	96	4,426	—	—	—	67	*	47	107	8
St Joseph Lgt & Pwr Co	51,505	24	180	—	—	—	32	*	14	96	54
Lake Road (MO).....	51,505	24	180	—	—	—	32	*	14	96	54
Sunflower Elec Coop	222,180	—	951	—	—	—	133	—	10	176	—
Garden City (KS).....	—	—	1	—	—	—	—	—	*	—	—
Holcomb (KS).....	222,180	—	950	—	—	—	133	—	10	176	—
Superior Wtr Lt Pwr Co	—	—	—	—	—	—	—	—	—	—	—
Winslow (WI).....	—	—	—	—	—	—	—	—	—	—	—
Systems Energy Resources											
Inc.....	—	—	—	—	945,584	—	—	—	—	—	—
Grand Gulf (MS).....	—	—	—	—	945,584	—	—	—	—	—	—
Tacoma (City of)	—	—	—	454,889	—	—	—	—	—	—	—
Alder (WA).....	—	—	—	33,746	—	—	—	—	—	—	—
Cushman 1 (WA).....	—	—	—	31,421	—	—	—	—	—	—	—
Cushman 2 (WA).....	—	—	—	62,388	—	—	—	—	—	—	—
La Grande (WA).....	—	—	—	44,812	—	—	—	—	—	—	—
Mayfield (WA).....	—	—	—	113,792	—	—	—	—	—	—	—
Mossyrock (WA).....	—	—	—	160,949	—	—	—	—	—	—	—
Steam Plant 2 (WA).....	—	—	—	—	—	—	—	—	—	—	—
Wynoochee (WA).....	—	—	—	7,781	—	—	—	—	—	—	—
Tallahassee (City of)	—	—	122,685	922	—	—	—	—	1,270	—	289

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Tallahassee (City of)											
Hopkins, Arvah B (FL).....	—	—	119,112	—	—	—	—	—	1,228	—	222
Jackson Bluff (FL).....	—	—	—	922	—	—	—	—	—	—	—
Purdum, S O (FL).....	—	—	3,573	—	—	—	—	—	43	—	67
Tampa Electric Co	1,169,004	23,972	—	—	—	—	553	39	—	2,234	230
Big Bend (FL).....	719,836	2,447	—	—	—	—	335	4	—	920	4
Coal Storage (FL).....	—	—	—	—	—	—	—	—	—	1,119	—
Gannon, F J (FL).....	390,186	781	—	—	—	—	187	2	—	151	5
Hookers Point (FL).....	—	—467	—	—	—	—	—	1	—	—	169
Polk (FL).....	58,982	18,464	—	—	—	—	31	28	—	44	41
S Dinner Lk (FL).....	—	—	—	—	—	—	—	—	—	—	—
S Phillips (FL).....	—	2,747	—	—	—	—	—	4	—	—	12
Taunton (City of)	—	24,157	—	—	—	—	—	43	—	—	15
Cleary, B F (MA).....	—	24,157	—	—	—	—	—	43	—	—	15
Tennessee Valley Auth	7,169,899	60,107	—	1,059,189	4,213,167	—	3,073	106	—	4,603	878
Allen (TN).....	324,123	522	—	—	—	—	159	1	—	105	162
Apalachia (TN).....	—	—	—	37,566	—	—	—	—	—	—	—
Blue Ridge (GA).....	—	—	—	118	—	—	—	—	—	—	—
Boone (TN).....	—	—	—	9,839	—	—	—	—	—	—	—
Browns Ferry (AL).....	—	—	—	—	1,641,482	—	—	—	—	—	—
Bull Run (TN).....	342,076	4,702	—	—	—	—	128	8	—	146	5
Chatuge (NC).....	—	—	—	1,703	—	—	—	—	—	—	—
Cherokee (TN).....	—	—	—	20,570	—	—	—	—	—	—	—
Chickamauga (TN).....	—	—	—	59,333	—	—	—	—	—	—	—
Colbert (AL).....	643,603	17,818	—	—	—	—	279	32	—	291	168
Cumberland (TN).....	1,128,864	12,317	—	—	—	—	478	21	—	849	30
Douglas (TN).....	—	—	—	15,698	—	—	—	—	—	—	—
Fontana (NC).....	—	—	—	63,707	—	—	—	—	—	—	—
Fort Loudoun (TN).....	—	—	—	64,244	—	—	—	—	—	—	—
Fort Patrick Henry (TN).....	—	—	—	7,733	—	—	—	—	—	—	—
Gallatin (TN).....	503,440	7,604	—	—	—	—	233	13	—	374	88
Great Falls (TN).....	—	—	—	14,841	—	—	—	—	—	—	—
Guntersville (AL).....	—	—	—	64,934	—	—	—	—	—	—	—
Hiwassee (NC).....	—	—	—	12,192	—	—	—	—	—	—	—
Johnsonville (TN).....	458,445	12,746	—	—	—	—	196	23	—	356	389
Kentucky (KY).....	—	—	—	104,992	—	—	—	—	—	—	—
Kingston (TN).....	939,805	399	—	—	—	—	369	1	—	153	6
Melton Hill (TN).....	—	—	—	12,403	—	—	—	—	—	—	—
Nickajack (TN).....	—	—	—	51,506	—	—	—	—	—	—	—
Norris (TN).....	—	—	—	31,438	—	—	—	—	—	—	—
Nottely (GA).....	—	—	—	2,626	—	—	—	—	—	—	—
Ocoee 1 (TN).....	—	—	—	3,234	—	—	—	—	—	—	—
Ocoee 2 (TN).....	—	—	—	4,975	—	—	—	—	—	—	—
Ocoee 3 (TN).....	—	—	—	6,661	—	—	—	—	—	—	—
Paradise (KY).....	1,183,266	789	—	—	—	—	510	1	—	1,086	1
Pickwick (TN).....	—	—	—	112,967	—	—	—	—	—	—	—
Raccoon Mountain (TN).....	—	—	—	-52,382	—	—	—	—	—	—	—
Sequoyah (TN).....	—	—	—	—	1,710,795	—	—	—	—	—	—
Sevier, John (TN).....	494,459	4	—	—	—	—	190	*	—	142	1
Shawnee (KY).....	657,223	1,074	—	—	—	—	300	2	—	444	9
South Holston (TN).....	—	—	—	7,273	—	—	—	—	—	—	—
Tims Ford (TN).....	—	—	—	9,416	—	—	—	—	—	—	—
Watauga (TN).....	—	—	—	8,140	—	—	—	—	—	—	—
Watts Bar (TN).....	-228	—	—	—	—	—	—	—	—	—	—
Watts Bar (TN).....	—	—	—	73,887	—	—	—	—	—	—	—
Watts Bar (TN).....	—	—	—	—	860,890	—	—	—	—	—	—
Wheeler (AL).....	—	—	—	98,252	—	—	—	—	—	—	—
Widows Creek (AL).....	494,823	2,132	—	—	—	—	229	4	—	658	19
Wilbur (TN).....	—	—	—	1,362	—	—	—	—	—	—	—
Wilson (AL).....	—	—	—	209,961	—	—	—	—	—	—	—
Terrebonne Parish Consol											
Govt.....	—	-30	3,850	—	—	—	—	*	54	—	1
Houma (LA).....	—	-30	3,850	—	—	—	—	*	54	—	1
Texas Mun Power Agency	224,115	—	1,630	—	—	—	141	—	17	208	6
Gibbons Creek (TX).....	224,115	—	1,630	—	—	—	141	—	17	208	6

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Texas Utilities Elec Co.	3,399,751	22,995	2,257,195	—	1,653,037	—	2,897	44	23,463	1,874	2,309
Big Brown (TX)	458,128	—	9,578	—	—	—	393	—	105	181	—
Collin (TX)	—	856	9,631	—	—	—	—	2	122	—	50
Comanche Peak (TX)	—	—	—	—	1,653,037	—	—	—	—	—	—
De Cordova (TX)	—	—	306,300	—	—	—	—	—	2,967	—	231
Eagle Mountain (TX)	—	—	30,100	—	—	—	—	—	420	—	70
Graham (TX)	—	—	145,678	—	—	—	—	—	1,522	—	124
Handley (TX)	—	—	153,193	—	—	—	—	—	1,688	—	259
Lake Creek (TX)	—	—	46,328	—	—	—	—	—	476	—	53
Lake Hubbard (TX)	—	7,792	137,390	—	—	—	—	15	1,484	—	240
Martin Lake (TX)	1,268,674	5,063	—	—	—	—	1,079	10	—	548	18
Monticello (TX)	1,252,641	687	—	—	—	—	1,097	2	—	463	15
Morgan Creek (TX)	—	—	248,470	—	—	—	—	—	2,635	—	218
Mountain Creek (TX)	—	—	94,348	—	—	—	—	—	1,037	—	156
North Lake (TX)	—	3,426	81,635	—	—	—	—	6	859	—	123
North Main (TX)	—	—	—99	—	—	—	—	—	—	—	—
Parkdale (TX)	—	—	17,774	—	—	—	—	—	213	—	4
Permian Basin (TX)	—	—	236,003	—	—	—	—	—	2,405	—	219
River Crest (TX)	—	—	—174	—	—	—	—	—	*	—	3
Sandow (TX)	420,308	33	—	—	—	—	327	*	—	681	—
Stryker Creek (TX)	—	25	145,930	—	—	—	—	*	1,462	—	94
Tradinghouse Creek (TX)	—	—	369,691	—	—	—	—	—	3,719	—	194
Trinidad (TX)	—	18	31,193	—	—	—	—	*	334	—	41
Valley (TX)	—	5,095	194,226	—	—	—	—	9	2,016	—	197
Texas-New Mexico Power Co	199,971	—	4,001	—	—	—	162	—	43	34	—
Lordsburg (NM)	—	—	—	—	—	—	—	—	—	—	—
TNP One (TX)	199,971	—	4,001	—	—	—	162	—	43	34	—
Toledo Edison Co (The)	198,224	290	—	—	661,803	—	124	1	—	186	5
Acme (OH)	—	—	—	—	—	—	—	—	—	—	—
Bay Shore (OH)	198,224	290	—	—	—	—	124	1	—	186	3
Davis-Besse (OH)	—	—	—	—	661,803	—	—	—	—	—	—
Richland (OH)	—	—	—	—	—	—	—	—	—	—	2
Stryker (OH)	—	—	—	—	—	—	—	—	—	—	1
Traverse (City of)	—	—	—	1,189	—	—	—	—	—	9	—
Bayside (MI)	—	—	—	—	—	—	—	—	—	9	—
Boardman (MI)	—	—	—	518	—	—	—	—	—	—	—
Brown Bridge (MI)	—	—	—	282	—	—	—	—	—	—	—
Elk Rapids (MI)	—	—	—	164	—	—	—	—	—	—	—
Sabin (MI)	—	—	—	225	—	—	—	—	—	—	—
Tri-state G & T Assn Inc.	894,785	3,024	622	—	—	—	456	6	6	1,184	27
Burlington (CO)	—	2,957	—	—	—	—	—	6	—	—	26
Craig (CO)	828,927	—	622	—	—	—	420	—	6	1,161	*
Nucila (CO)	65,858	67	—	—	—	—	36	*	—	23	1
Tucson Electric Power Co.	554,217	177	13,844	—	—	—	302	*	179	491	21
De Moss Petrie (AZ)	—	—	—	—	—	—	—	—	—	—	4
Irrington (AZ)	45,990	—	13,776	—	—	—	22	—	178	81	5
North Loop (AZ)	—	—	68	—	—	—	—	—	1	—	7
Springerville (AZ)	508,227	177	—	—	—	—	280	*	—	410	6
Turlock Irrigation Dist.	—	17	23,765	18,701	—	—	—	*	228	—	3
Almond (CA)	—	—	23,810	—	—	—	—	—	228	—	—
Hickman (CA)	—	—	—	—3	—	—	—	—	—	—	—
Lagrange (CA)	—	—	—	1,312	—	—	—	—	—	—	—
New Don Pedro (CA)	—	—	—	17,400	—	—	—	—	—	—	—
Turlock Lake (CA)	—	—	—	—5	—	—	—	—	—	—	—
Uppr Dawson (CA)	—	—	—	—3	—	—	—	—	—	—	—
Walnut (CA)	—	17	—45	—	—	—	—	*	*	—	3
Union Electric Co.	2,655,904	2,220	6,393	153,021	810,082	25,407	1,618	6	87	2,094	102
Callaway (MO)	—	—	—	—	810,082	—	—	—	—	—	—
Canton (MO)	—	—	—	—	—	—	—	—	—	—	—
Howard Bend (MO)	—	128	—	—	—	—	—	*	—	—	3
Jefferson City (MO)	—	152	—	—	—	—	—	1	—	—	6
Keokuk (IA)	—	—	—	74,803	—	—	—	—	—	—	—
Kirkville (MO)	—	—	—7	—	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Union Electric Co											
Labadie (MO).....	1,375,758	1,041	—	—	—	—	828	2	—	792	39
Meramec (MO).....	124,455	-33	6,424	—	—	—	86	*	84	241	7
Mexico (MO).....	—	205	—	—	—	—	—	1	—	—	6
Moberly (MO).....	—	179	—	—	—	—	—	1	—	—	6
Moreau (MO).....	—	187	—	—	—	—	—	1	—	—	6
Osage (MO).....	—	—	—	78,650	—	—	—	—	—	—	—
Portable (MO).....	—	—	—	—	—	—	—	—	—	—	—
Rush Island (MO).....	699,316	92	—	—	—	—	428	*	—	481	4
Sioux (MO).....	456,375	44	—	—	—	25,407	275	*	—	580	1
Taum Sauk (MO).....	—	—	—	-432	—	—	—	—	—	—	—
Venice No. 2 (IL).....	—	225	12	—	—	—	—	1	2	—	23
Viaduct (MO).....	—	—	-36	—	—	—	—	—	*	—	—
United Gas Imp Co (The)	31,115	369	—	—	—	—	17	1	—	52	*
Hunlock Creek (PA).....	31,115	369	—	—	—	—	17	1	—	52	*
United Illuminating Co	32,986	495,302	204	—	—	—	13	765	2	134	640
Bridgeport Harbor (CT).....	32,986	231,164	—	—	—	—	13	369	—	134	453
English (CT).....	—	—	—	—	—	—	—	—	—	—	—
New Haven Harbor (CT).....	—	264,138	204	—	—	—	—	396	2	—	187
United Power Assn	102,387	286	—	—	—	13,260	84	1	5	98	8
Cambridge (MN).....	—	48	—	—	—	—	—	*	—	—	2
Elk River (MN).....	—	—	—	—	—	13,260	—	*	5	—	1
Maple Lake (MN).....	—	48	—	—	—	—	—	*	—	—	2
Rock Lake (MN).....	—	64	—	—	—	—	—	*	—	—	2
Stanton (ND).....	102,387	126	—	—	—	—	84	*	—	98	1
Utilicorp United Inc	302,023	329	3,088	—	—	—	140	1	45	193	51
Green, Ralph (MO).....	—	—	185	—	—	—	—	—	4	—	—
Greenwood (MO).....	—	6	2,923	—	—	—	—	*	41	—	48
Kci (MO).....	—	—	-20	—	—	—	—	—	—	—	—
Nevada (MO).....	—	-17	—	—	—	—	—	—	—	—	2
Sibley (MO).....	302,023	340	—	—	—	—	140	1	—	193	1
UtiliCorp United Inc	21,772	341	51,481	—	—	—	13	1	794	12	8
Cimarron River (KS).....	—	—	-719	—	—	—	—	—	10	—	—
Clark, W N (CO).....	21,772	—	—	—	—	—	13	—	—	12	—
Clifton (KS).....	—	—	718	—	—	—	—	—	19	—	—
Judson Large (KS).....	—	—	29,652	—	—	—	—	—	508	—	2
Mullergren, Arthur (KS).....	—	—	21,328	—	—	—	—	—	243	—	1
Pueblo (CO).....	—	305	502	—	—	—	—	1	14	—	4
Rocky Ford (CO).....	—	36	—	—	—	—	—	*	—	—	1
USBR-Great Plains Region	—	—	—	204,216	—	—	—	—	—	—	—
Alcova (WY).....	—	—	—	5,347	—	—	—	—	—	—	—
Big Thompson (CO).....	—	—	—	-21	—	—	—	—	—	—	—
Boysen (WY).....	—	—	—	6,043	—	—	—	—	—	—	—
Buffalo Bill (WY).....	—	—	—	6,656	—	—	—	—	—	—	—
Canyon Ferry (MT).....	—	—	—	39,898	—	—	—	—	—	—	—
Estes (CO).....	—	—	—	7,383	—	—	—	—	—	—	—
Flatiron (CO).....	—	—	—	11,094	—	—	—	—	—	—	—
Fremont Canyon (WY).....	—	—	—	13,045	—	—	—	—	—	—	—
Glendo (WY).....	—	—	—	-134	—	—	—	—	—	—	—
Green Mountain (CO).....	—	—	—	4,984	—	—	—	—	—	—	—
Guernsey (WY).....	—	—	—	-20	—	—	—	—	—	—	—
Heart Mountain (WY).....	—	—	—	-8	—	—	—	—	—	—	—
Kortes (WY).....	—	—	—	11,966	—	—	—	—	—	—	—
Marys Lake (CO).....	—	—	—	2,086	—	—	—	—	—	—	—
Mount Elbert (CO).....	—	—	—	-8,056	—	—	—	—	—	—	—
Pilot Butte (WY).....	—	—	—	-2	—	—	—	—	—	—	—
Pole Hill (CO).....	—	—	—	9,008	—	—	—	—	—	—	—
Seminole (WY).....	—	—	—	12,298	—	—	—	—	—	—	—
Shoshone (WY).....	—	—	—	2,130	—	—	—	—	—	—	—
Spirit Mountain (WY).....	—	—	—	-55	—	—	—	—	—	—	—
Yellowtail (MT).....	—	—	—	80,574	—	—	—	—	—	—	—
USBR-Lower Colorado Region	—	—	—	822,497	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USBR-Lower Colorado											
Region											
Davis (AZ).....	—	—	—	150,530	—	—	—	—	—	—	—
Hoover (AZ).....	—	—	—	316,636	—	—	—	—	—	—	—
Hoover (NV).....	—	—	—	286,476	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	68,855	—	—	—	—	—	—	—
USBR-Mid Pacific Region											
Folsom (CA).....	—	—	—	484,107	—	—	—	—	—	—	—
Judge F Carr (CA).....	—	—	—	48,517	—	—	—	—	—	—	—
Keswick (CA).....	—	—	—	23,048	—	—	—	—	—	—	—
Lewiston (CA).....	—	—	—	49,072	—	—	—	—	—	—	—
New Melones (CA).....	—	—	—	241	—	—	—	—	—	—	—
Nimbus (CA).....	—	—	—	36,126	—	—	—	—	—	—	—
O'Neill (CA).....	—	—	—	4,816	—	—	—	—	—	—	—
Shasta (CA).....	—	—	—	333	—	—	—	—	—	—	—
Spring Creek (CA).....	—	—	—	258,243	—	—	—	—	—	—	—
Stampede (CA).....	—	—	—	26,071	—	—	—	—	—	—	—
Trinity (CA).....	—	—	—	836	—	—	—	—	—	—	—
USBR-Pacific NW Region											
Anderson Ranch (ID).....	—	—	—	36,804	—	—	—	—	—	—	—
Black Canyon (ID).....	—	—	—	1,825,366	—	—	—	—	—	—	—
Boise River Div (ID).....	—	—	—	3,537	—	—	—	—	—	—	—
Chandler (WA).....	—	—	—	6,395	—	—	—	—	—	—	—
Grand Coulee (WA).....	—	—	—	—	—	—	—	—	—	—	—
Green Springs (OR).....	—	—	—	5,015	—	—	—	—	—	—	—
Hungry Horse (MT).....	—	—	—	1,701,614	—	—	—	—	—	—	—
Minidoka (ID).....	—	—	—	5,599	—	—	—	—	—	—	—
Palisades (ID).....	—	—	—	54,487	—	—	—	—	—	—	—
Roza (WA).....	—	—	—	16,875	—	—	—	—	—	—	—
USBR-Upper Colorado Region											
Blue Mesa (CO).....	—	—	—	29,489	—	—	—	—	—	—	—
Crystal (CO).....	—	—	—	11,981	—	—	—	—	—	—	—
Deer Creek (UT).....	—	—	—	8,339	—	—	—	—	—	—	—
Elephant Butte (NM).....	—	—	—	2,011	—	—	—	—	—	—	—
Flaming Gorge (UT).....	—	—	—	—	—	—	—	—	—	—	—
Fontenelle (WY).....	—	—	—	55,021	—	—	—	—	—	—	—
Glen Canyon (AZ).....	—	—	—	6,297	—	—	—	—	—	—	—
Lower Molina (CO).....	—	—	—	447,271	—	—	—	—	—	—	—
McPhee (CO).....	—	—	—	1,297	—	—	—	—	—	—	—
Morrow Point (CO).....	—	—	—	243	—	—	—	—	—	—	—
Towaoc (CO).....	—	—	—	14,951	—	—	—	—	—	—	—
Upper Molina (CO).....	—	—	—	2,124	—	—	—	—	—	—	—
USCE-Fort Worth District											
R D Willis (TX).....	—	—	—	8,204	—	—	—	—	—	—	—
Sam Rayburn (TX).....	—	—	—	2,299	—	—	—	—	—	—	—
Whitney (TX).....	—	—	—	4,766	—	—	—	—	—	—	—
USCE-Hartwell Power Plant											
Hartwell (GA).....	—	—	—	1,139	—	—	—	—	—	—	—
USCE-J Strom Thur Pwr Plt											
J Strom Thurmond (SC).....	—	—	—	25,148	—	—	—	—	—	—	—
USCE-Kansas City Dist											
Harry S Truman (MO).....	—	—	—	38,504	—	—	—	—	—	—	—
Stockton (MO).....	—	—	—	38,504	—	—	—	—	—	—	—
USCE-Little Rock											
Beaver (AR).....	—	—	—	37,658	—	—	—	—	—	—	—
Bull Shoals (AR).....	—	—	—	36,927	—	—	—	—	—	—	—
Dardanelle (AR).....	—	—	—	731	—	—	—	—	—	—	—
Greers Ferry (AR).....	—	—	—	138,891	—	—	—	—	—	—	—
Norfolk (AR).....	—	—	—	1,318	—	—	—	—	—	—	—
Ozark (AR).....	—	—	—	6,179	—	—	—	—	—	—	—
Table Rock (MO).....	—	—	—	67,727	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USCE-Missouri River District	—	—	—	903,132	—	—	—	—	—	—	—
Big Bend (SD).....	—	—	—	109,678	—	—	—	—	—	—	—
Fort Peck (MT).....	—	—	—	102,192	—	—	—	—	—	—	—
Fort Randall (SD).....	—	—	—	151,104	—	—	—	—	—	—	—
Garrison (ND).....	—	—	—	187,264	—	—	—	—	—	—	—
Gavins Point (NE).....	—	—	—	62,187	—	—	—	—	—	—	—
Oahe (SD).....	—	—	—	290,707	—	—	—	—	—	—	—
USCE-Mobile District	—	—	—	158,016	—	—	—	—	—	—	—
Allatoona (GA).....	—	—	—	8,519	—	—	—	—	—	—	—
Buford (GA).....	—	—	—	7,206	—	—	—	—	—	—	—
Carters (GA).....	—	—	—	33,268	—	—	—	—	—	—	—
J Woodruff (FL).....	—	—	—	13,821	—	—	—	—	—	—	—
Jones Bluff (AL).....	—	—	—	27,958	—	—	—	—	—	—	—
Millers Ferry (AL).....	—	—	—	33,909	—	—	—	—	—	—	—
Walter F George (GA).....	—	—	—	22,998	—	—	—	—	—	—	—
West Point (GA).....	—	—	—	10,337	—	—	—	—	—	—	—
USCE-Nashville	—	—	—	232,285	—	—	—	—	—	—	—
Barkley (KY).....	—	—	—	70,917	—	—	—	—	—	—	—
Center Hill (TN).....	—	—	—	23,524	—	—	—	—	—	—	—
Cheatham (TN).....	—	—	—	18,733	—	—	—	—	—	—	—
Cordell Hull (TN).....	—	—	—	23,135	—	—	—	—	—	—	—
Dale Hollow (TN).....	—	—	—	5,478	—	—	—	—	—	—	—
J Percy Priest (TN).....	—	—	—	9,979	—	—	—	—	—	—	—
Laurel (KY).....	—	—	—	3,034	—	—	—	—	—	—	—
Old Hickory (TN).....	—	—	—	34,782	—	—	—	—	—	—	—
Wolf Creek (KY).....	—	—	—	42,703	—	—	—	—	—	—	—
USCE-North Pacific Div	—	—	—	4,800,965	—	—	—	—	—	—	—
Albeni Falls (ID).....	—	—	—	16,930	—	—	—	—	—	—	—
Big Cliff (OR).....	—	—	—	13,258	—	—	—	—	—	—	—
Bonneville (OR).....	—	—	—	518,606	—	—	—	—	—	—	—
Chief Joseph (WA).....	—	—	—	920,864	—	—	—	—	—	—	—
Cougar (OR).....	—	—	—	16,661	—	—	—	—	—	—	—
Detroit (OR).....	—	—	—	54,886	—	—	—	—	—	—	—
Dexter (OR).....	—	—	—	10,482	—	—	—	—	—	—	—
Dworshak (ID).....	—	—	—	48,856	—	—	—	—	—	—	—
Foster (OR).....	—	—	—	14,088	—	—	—	—	—	—	—
Green Peter (OR).....	—	—	—	26,976	—	—	—	—	—	—	—
Hills Creek (OR).....	—	—	—	20,210	—	—	—	—	—	—	—
Ice Harbor (WA).....	—	—	—	187,553	—	—	—	—	—	—	—
John Day (OR).....	—	—	—	837,395	—	—	—	—	—	—	—
Libby (MT).....	—	—	—	310,147	—	—	—	—	—	—	—
Little Goose (WA).....	—	—	—	179,302	—	—	—	—	—	—	—
Lookout Point (OR).....	—	—	—	21,866	—	—	—	—	—	—	—
Lost Creek (OR).....	—	—	—	32,044	—	—	—	—	—	—	—
Lower Granite (WA).....	—	—	—	180,302	—	—	—	—	—	—	—
Lower Monumental (WA).....	—	—	—	195,162	—	—	—	—	—	—	—
McNary (OR).....	—	—	—	525,639	—	—	—	—	—	—	—
The Dalles (WA).....	—	—	—	669,738	—	—	—	—	—	—	—
USCE-R B Russell	—	—	—	20,818	—	—	—	—	—	—	—
R B Russell (GA).....	—	—	—	20,818	—	—	—	—	—	—	—
USCE-St Louis Dist	—	—	—	11,246	—	—	—	—	—	—	—
Clarence Canyon (MO).....	—	—	—	11,246	—	—	—	—	—	—	—
USCE-Tulsa District	—	—	—	265,775	—	—	—	—	—	—	—
Broken Bow (OK).....	—	—	—	22,910	—	—	—	—	—	—	—
Denison (TX).....	—	—	—	6,347	—	—	—	—	—	—	—
Eufaula (OK).....	—	—	—	37,439	—	—	—	—	—	—	—
Fort Gibson (OK).....	—	—	—	35,000	—	—	—	—	—	—	—
Keystone (OK).....	—	—	—	42,504	—	—	—	—	—	—	—
Robert S Kerr (OK).....	—	—	—	80,938	—	—	—	—	—	—	—
Tenkiller Ferry (OK).....	—	—	—	11,057	—	—	—	—	—	—	—
Webbers Falls (OK).....	—	—	—	29,580	—	—	—	—	—	—	—
USCE-Vickburg District	—	—	—	35,468	—	—	—	—	—	—	—
Blakely Mountain (AR).....	—	—	—	21,255	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USCE-Vickburg District											
Degray (AR).....	—	—	—	9,755	—	—	—	—	—	—	—
Narrows (AR).....	—	—	—	4,458	—	—	—	—	—	—	—
USCE-Wilmington.....	—	—	—	11,939	—	—	—	—	—	—	—
John H Kerr (VA).....	—	—	—	10,724	—	—	—	—	—	—	—
Philpott (VA).....	—	—	—	1,215	—	—	—	—	—	—	—
Vero Beach (City of).....	—	—	3,790	—	—	—	—	*	40	—	48
Municipal Plant (FL).....	—	—	3,790	—	—	—	—	*	40	—	48
Vineland (City of).....	—	131	—	—	—	—	—	*	—	11	34
Down, Howard (NJ).....	—	—	—	—	—	—	—	—	—	11	25
West (NJ).....	—	131	—	—	—	—	—	*	—	—	9
Virginia (City of).....	4,248	—	2,401	—	—	—	2	—	21	*	—
Virginia (MN).....	4,248	—	2,401	—	—	—	2	—	21	*	—
Virginia Elec & Power Co.....	2,912,945	146,941	81,475	-36,904	2,573,654	—	1,127	230	757	1,331	1,885
Bath County (VA).....	—	—	—	-56,008	—	—	—	—	—	—	—
Bell Meade (VA).....	—	—	—	—	—	—	—	—	—	—	1
Bremo Bluff (VA).....	96,167	187	—	—	—	—	39	*	—	121	3
Chesapeake (VA).....	354,171	625	—	—	—	—	135	1	—	158	32
Chesterfield (VA).....	659,176	10,464	76,601	—	—	—	248	17	711	211	87
Clover (VA).....	580,158	33	—	—	—	—	220	*	—	199	6
Cushaw (VA).....	—	—	—	—	—	—	—	—	—	—	—
Darbytown (VA).....	—	726	—	—	—	—	—	1	—	—	68
Gaston (NC).....	—	—	—	8,905	—	—	—	—	—	—	—
Gravel Neck (VA).....	—	1,645	—	—	—	—	—	3	—	—	95
Kitty Hawk (NC).....	—	10	—	—	—	—	—	*	—	—	8
Low Moor (VA).....	—	—	—	—	—	—	—	—	—	—	9
Mt Storm (WV).....	947,900	1,893	—	—	—	—	378	3	—	432	12
North Anna (VA).....	—	—	—	120	1,350,874	—	—	—	—	—	—
North Branch (WV).....	—	—	—	—	—	—	—	—	—	—	—
Northern Neck (VA).....	—	—	—	—	—	—	—	—	—	—	11
Possum Point (VA).....	136,311	918	—	—	—	—	53	1	—	135	374
Roanoke Rapids (NC).....	—	—	—	10,079	—	—	—	—	—	—	—
Surry (VA).....	—	—	—	—	1,222,780	—	—	—	—	—	—
Yktn Term A (VA).....	—	—	—	—	—	—	—	—	—	—	870
Yorktown (VA).....	139,062	130,440	4,874	—	—	—	54	202	46	74	253
1st Energy (VA).....	—	—	—	—	—	—	—	—	—	—	56
Vt Yankee Nuclear Pr Corp.....	—	—	—	—	392,951	—	—	—	—	—	—
Vt. Yankee (VT).....	—	—	—	—	392,951	—	—	—	—	—	—
Wash Pub Pwr Supply Systm	—	—	—	8,620	825,648	—	—	—	—	—	—
Packwood (WA).....	—	—	—	8,620	—	—	—	—	—	—	—
WNP-2 (WA).....	—	—	—	—	825,648	—	—	—	—	—	—
Waverly (City of).....	—	39	35	192	—	13	—	*	*	—	*
East Hydro (IA).....	—	—	—	192	—	—	—	—	—	—	—
East Plant (IA).....	—	—	—	—	—	—	—	—	—	—	—
North Plant (IA).....	—	39	35	—	—	—	—	*	*	—	*
Skeets 1 (IA).....	—	—	—	—	—	13	—	—	—	—	—
West Penn Power Co.....	871,839	946	87	3,210	—	—	346	2	1	576	71
Armstrong (PA).....	198,868	124	—	—	—	—	72	*	—	119	*
Hatfields Ferry (PA).....	514,184	822	—	—	—	—	201	1	—	418	5
Lake Lynn (WV).....	—	—	—	3,210	—	—	—	—	—	—	—
Mitchell (PA).....	158,787	—	87	—	—	—	74	—	1	39	66
Springdale (PA).....	—	—	—	—	—	—	—	—	—	—	—
West Texas Utilities Co.....	417,424	933	241,441	—	—	—	260	2	2,554	381	255
Abilene (TX).....	—	—	—	—	—	—	—	—	—	—	—
Fort Phantom (TX).....	—	—	83,064	—	—	—	—	—	885	—	103
Ft Stockton (TX).....	—	—	—	—	—	—	—	—	—	—	—
Lake Pauline (TX).....	—	—	—	—	—	—	—	—	—	—	18
Oak Creek (TX).....	—	—	15,091	—	—	—	—	—	156	—	28
Oklaunion (TX).....	417,424	909	—	—	—	—	260	2	—	381	4
Paint Creek (TX).....	—	—	31,806	—	—	—	—	—	340	—	80

See footnotes at end of table.

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

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
West Texas Utilities Co											
Presidio (TX).....	—	—	—	—	—	—	—	—	—	—	1
Rio Pecos (TX).....	—	—	42,690	—	—	—	—	—	479	—	1
San Angelo (TX).....	—	24	68,790	—	—	—	—	*	694	—	19
Vernon (TX).....	—	—	—	—	—	—	—	—	—	—	1
Western Farmers Elec Coop.....	265,596	132	117,694	—	—	—	159	*	1,107	261	97
Anadarko (OK).....	—	50	108,062	—	—	—	—	*	997	—	95
Hugo (OK).....	265,596	82	—	—	—	—	159	*	—	261	2
Mooreland (OK).....	—	—	9,632	—	—	—	—	—	109	—	—
Western Mass Elec Co.....	—	21,140	306	10,376	—	—	—	44	4	—	40
Cabot (MA).....	—	—	—	26,258	—	—	—	—	—	—	—
Cobble Mountain (MA).....	—	—	—	845	—	—	—	—	—	—	—
Doreen (MA).....	—	127	—	—	—	—	—	*	—	—	1
Dwight (MA).....	—	—	—	480	—	—	—	—	—	—	—
Gardners Falls (MA).....	—	—	—	696	—	—	—	—	—	—	—
Indian Orchard (MA).....	—	—	—	7	—	—	—	—	—	—	—
Northfield Mountain (MA).....	—	—	—	-19,323	—	—	—	—	—	—	—
Putts Bridge (MA).....	—	—	—	529	—	—	—	—	—	—	—
Red Bridge (MA).....	—	—	—	-46	—	—	—	—	—	—	—
Turners Falls (MA).....	—	—	—	930	—	—	—	—	—	—	—
West Springfield (MA).....	—	20,852	306	—	—	—	—	43	4	—	39
Woodland Road (MA).....	—	161	—	—	—	—	—	*	—	—	1
Willmar (City of).....	3,299	—	—	—	—	—	4	—	—	7	—
Willmar (MN).....	3,299	—	—	—	—	—	4	—	—	7	—
Winfield (City of).....	—	—	17	—	—	—	—	—	*	—	—
East 12th St (KS).....	—	—	17	—	—	—	—	—	*	—	—
Winfield (KS).....	—	—	—	—	—	—	—	—	—	—	—
Winnetka (Village of).....	—	14	52	—	—	—	—	*	1	—	2
Winnetka (IL).....	—	14	52	—	—	—	—	*	1	—	2
Wisconsin Electric Pwr Co.....	1,633,217	1,142	26,471	21,481	401,543	—	902	3	317	3,105	89
Appleton (WI).....	—	—	—	1,268	—	—	—	—	—	—	—
Big Quinnesec 61 (MI).....	—	—	—	—	—	—	—	—	—	—	—
Big Quinnesec 92 (MI).....	—	—	—	6,103	—	—	—	—	—	—	—
Brule (MI).....	—	—	—	610	—	—	—	—	—	—	—
Chalk Hill (MI).....	—	—	—	1,806	—	—	—	—	—	—	—
Concord (WI).....	—	—	2,582	—	—	—	—	—	35	—	8
Germantown (WI).....	—	527	—	—	—	—	—	1	—	—	11
Hemlock Falls (MI).....	—	—	—	507	—	—	—	—	—	—	—
Kingsford (MI).....	—	—	—	1,648	—	—	—	—	—	—	—
Lower Paint (MI).....	—	—	—	29	—	—	—	—	—	—	—
Michigamme Falls (MI).....	—	—	—	2,021	—	—	—	—	—	—	—
Oconto Falls (WI).....	—	—	—	264	—	—	—	—	—	—	—
Oil Storage (WI).....	—	—	—	—	—	—	—	—	—	—	30
Paris (WI).....	—	—	11,709	—	—	—	—	—	166	—	15
Peavy Falls (MI).....	—	—	—	2,414	—	—	—	—	—	—	—
Pine (WI).....	—	—	—	415	—	—	—	—	—	—	—
Pleasant Prairie (WI).....	678,161	3	2,398	—	—	—	430	*	25	528	4
Point Beach (WI).....	—	31	—	—	401,543	—	—	*	—	—	5
Port Washington (WI).....	50,460	—	—	—	—	—	28	—	—	389	5
Presque Isle (MI).....	286,530	581	—	—	—	—	152	1	—	1,381	10
South Oak Creek (WI).....	526,081	—	9,485	—	—	—	234	—	86	426	3
Sturgeon (MI).....	—	—	—	198	—	—	—	—	—	—	—
Twin Falls (MI).....	—	—	—	1,945	—	—	—	—	—	—	—
Valley (WI).....	91,985	—	297	—	—	—	58	—	5	381	—
Way (MI).....	—	—	—	246	—	—	—	—	—	—	—
Weyauwega (WI).....	—	—	—	—	—	—	—	—	—	—	—
White Rapids (MI).....	—	—	—	2,007	—	—	—	—	—	—	—
Wisconsin Pub Serv Corp.....	487,296	66	14,276	13,331	341,667	—	304	*	188	301	39
Alexander (WI).....	—	—	—	1,027	—	—	—	—	—	—	—
Caldron Falls (WI).....	—	—	—	364	—	—	—	—	—	—	—
Eagle River (WI).....	—	44	—	—	—	—	—	*	—	—	*
Grand Rapids (MI).....	—	—	—	1,967	—	—	—	—	—	—	—
Grandfather Falls (WI).....	—	—	—	4,276	—	—	—	—	—	—	—

See footnotes at end of table.

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

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Wisconsin Pub Serv Corp											
Hat Rapids (WI).....	—	—	—	356	—	—	—	—	—	—	—
High Falls (WI).....	—	—	—	765	—	—	—	—	—	—	—
Jersey (WI).....	—	—	—	71	—	—	—	—	—	—	—
Johnson Falls (WI).....	—	—	—	416	—	—	—	—	—	—	—
Kewaunee (WI).....	—	—	—	—	341,667	—	—	—	—	—	—
Merrill (WI).....	—	—	—	463	—	—	—	—	—	—	—
Oneida Casino (WI).....	—	22	—	—	—	—	—	*	—	—	*
Otter Rapids (WI).....	—	—	—	833	—	—	—	—	—	—	—
Peshigo (WI).....	—	—	—	150	—	—	—	—	—	—	—
Potato Rapids (WI).....	—	—	—	157	—	—	—	—	—	—	—
Pulliam (WI).....	196,620	—	2,038	—	—	—	130	—	25	128	*
Sandstone Rapids (WI).....	—	—	—	465	—	—	—	—	—	—	—
Tomahawk (WI).....	—	—	—	676	—	—	—	—	—	—	—
Wausau (WI).....	—	—	—	1,345	—	—	—	—	—	—	—
West Marinette (WI).....	—	—	8,374	—	—	—	—	—	116	—	19
Weston (WI).....	290,676	—	3,864	—	—	—	174	—	48	172	20
Wisconsin Pwr & Lgt Co.....	1,182,540	1,828	1,987	10,139	—	15,612	720	3	25	1,583	26
Blackhawk (WI).....	—	—	—	—	—	—	—	—	—	—	—
Columbia (WI).....	616,944	1,298	—	—	—	—	389	2	—	849	2
Dewey, Nelson (WI).....	95,425	19	—	—	—	1,690	51	*	—	266	*
Edgewater (WI).....	423,330	435	—	—	—	11,223	252	1	—	394	*
Janesville (WI).....	—	—	—	—	—	—	—	—	—	—	—
Kilbourn (WI).....	—	—	—	3,530	—	—	—	—	—	—	—
NA 1 (WI).....	—	—	-40	—	—	—	—	—	1	—	10
Portable (WI).....	—	—	—	—	—	—	—	—	—	—	—
Prairie Du Sac (WI).....	—	—	—	6,426	—	—	—	—	—	—	—
Rock River (WI).....	46,841	76	2,027	—	—	2,699	28	*	24	73	9
Shawano (WI).....	—	—	—	183	—	—	—	—	—	—	—
Sheepskin (WI).....	—	—	—	—	—	—	—	—	—	—	4
Wolf Creek Nuclear Corp.....	—	—	—	—	886,661	—	—	—	—	—	—
Wolf Creek (KS).....	—	—	—	—	886,661	—	—	—	—	—	—
Wolverine Pwr supply Coop.....	-720	-10	1,384	612	—	—	—	*	18	—	4
Advance (MI).....	-720	—	—	—	—	—	—	—	—	—	—
Beaver Island (MI).....	—	-6	—	—	—	—	—	—	—	—	—
Johnson, George (MI).....	—	1	335	—	—	—	—	*	6	—	1
Kleber (MI).....	—	—	—	440	—	—	—	—	—	—	—
Scottville (MI).....	—	-10	—	—	—	—	—	—	—	—	*
Tower (MI).....	—	-35	—	—	—	—	—	*	—	—	2
Tower Hydro (MI).....	—	—	—	172	—	—	—	—	—	—	—
Vandyke, Claude (MI).....	—	—	1,049	—	—	—	—	—	12	—	*
Vestaburg (MI).....	—	40	—	—	—	—	—	*	—	—	1
Winder, C A (MI).....	—	—	—	—	—	—	—	—	—	—	—
Wyandotte (City of).....	17,609	—	222	—	—	—	10	—	3	26	—
Wyandotte (MI).....	17,609	—	222	—	—	—	10	—	3	26	—
Yazoo Pub Serv Comm (City).....	—	—	—	—	—	—	—	—	—	—	—
Yazoo (MS).....	—	—	—	—	—	—	—	—	—	—	—
Yuba County Water Agency.....	—	—	—	173,726	—	—	—	—	—	—	—
Fish Power (CA).....	—	—	—	103	—	—	—	—	—	—	—
New Colgate (CA).....	—	—	—	140,645	—	—	—	—	—	—	—
New Narrows (CA).....	—	—	—	32,978	—	—	—	—	—	—	—

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

* Less than 0.05.

Notes: •Data for 1998 are final. •Totals may not equal sum of components because of independent rounding. •Net generation for jointly owned units is reported by the operator. •Negative generation denotes that electric power consumed for plant use exceeds gross generation. •Station losses include energy used for pumped storage. •Generation is included for plants in test status. •Nuclear generation is included for those plants with an operating license issued authorizing fuel loading/low power testing prior to receipt of full power amendment. •Central storage is a common area for fuel stocks not assigned to specific plants. •Mcf=thousand cubic feet and bbls=barrels. •Holding Companies are: AEP is American Electric Power, APS is Allegheny Power System, ACE is Atlantic City Electric, CSW is Central & South West Corporation, CES is Commonwealth Energy System, DMV is Delmarva, EU is Eastern Utilities Associates Company, GPS is General Public Utilities, MSU is Middle South Utilities, NEES is New England Electric System, NU is Northeast Utilities, SC is Southern Company, TU is Texas Utilities.

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

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

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sul- fur %	Receipts	Average Cost ³		Avg. Sul- fur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Alabama Electric Coop Inc	141	134.9	32.67	1.83	1	324.8	17.80	—	—	—	—	100	*	—
Lowman (AL)	141	134.9	32.67	1.83	1	324.8	17.80	—	—	—	—	100	*	—
Alabama Power Co ⁴	1,962	163.7	37.40	.82	11	203.6	11.86	—	134	257.2	2.68	100	*	*
Barry (AL)	322	191.2	46.96	.73	—	—	—	—	67	245.0	2.62	99	—	1
Gadsden (AL)	16	170.0	41.80	1.73	—	—	—	—	25	204.0	2.07	94	—	6
Gaston (AL)	383	173.4	43.97	.91	7	194.5	11.28	—	—	—	—	100	*	—
Gorgas 2 and 3 (AL)	267	157.2	38.08	1.48	3	194.6	11.33	—	—	—	—	100	*	—
Greene (AL)	150	99.2	24.11	1.86	—	—	—	—	*	421.0	4.51	100	—	*
James Miller (AL)	824	161.4	32.71	.40	2	248.8	14.77	—	42	308.6	3.12	100	*	*
American Municipal Power	72	83.5	19.36	5.22	—	—	—	—	7	384.6	4.00	100	—	*
Gorsuch (OH)	72	83.5	19.36	5.22	—	—	—	—	7	384.6	4.00	100	—	*
Ames City of	17	146.0	25.91	.19	1	284.7	16.42	0.20	—	—	—	99	1	—
Ames (IA)	17	146.0	25.91	.19	1	284.7	16.42	.20	—	—	—	99	1	—
Anchorage City of	—	—	—	—	—	—	—	—	610	201.4	2.01	—	—	100
George Sullivan (AK)	—	—	—	—	—	—	—	—	610	201.4	2.01	—	—	100
Appalachian Power Co	1,330	131.9	32.21	.74	21	332.8	19.47	—	—	—	—	100	*	—
Amos (WV)	691	129.7	31.43	.76	19	327.5	19.17	—	—	—	—	99	1	—
Clinch River (VA)	170	128.3	31.87	.71	1	326.4	19.00	—	—	—	—	100	*	—
Glen Lyn (VA)	77	136.2	34.83	.83	1	284.2	16.55	—	—	—	—	100	*	—
Kanawha River (WV)	66	135.0	33.51	.84	1	443.1	26.07	—	—	—	—	100	*	—
Mountaineer (WV)	326	136.7	33.15	.66	1	513.5	29.55	—	—	—	—	100	*	—
Arizona Electric Pwr Coop Inc	142	121.5	23.51	.58	—	—	—	—	7	207.0	2.11	100	—	*
Apache (AZ)	142	121.5	23.51	.58	—	—	—	—	7	207.0	2.11	100	—	*

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³	
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)			(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl			(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf	
Arizona Public Service Co.....	1,081	102.5	18.80	0.63		1	413.9	24.01	0.05		1,547	242.6	2.48	93
Cholla (AZ).....	308	157.3	30.47	.42		1	413.9	24.01	.05		1	325.4	3.32	100
Four Corners (NM).....	773	78.9	14.15	.71							128	300.4	3.04	99
Ocotillo (AZ).....	—	—	—	—		—	—	—	—		447	237.0	2.42	—
Phoenix (AZ).....	—	—	—	—		—	—	—	—		678	237.0	2.42	—
Saguaro (AZ).....	—	—	—	—		—	—	—	—		196	234.0	2.40	—
Yucca (AZ).....	—	—	—	—		—	—	—	—		96	249.0	2.53	—
Arkansas Power & Light Co.....	995	132.8	23.27	.22		8	313.3	18.56	.50		72	231.2	2.35	99
Independence (AR).....	469	125.0	22.20	.17		4	319.5	18.89	.50		—	—	—	100
Lake Catherine (AR).....	—	—	—	—		—	—	—	—		72	231.2	2.35	—
Whitebluff (AR).....	526	139.9	24.21	.27		4	307.1	18.24	.50		—	—	—	100
Associated Electric Coop Inc.....	744	86.6	15.32	.18		—	—	—	—		—	—	—	100
Hill (MO).....	389	74.4	13.16	.18		—	—	—	—		—	—	—	100
Madrid (MO).....	356	99.8	17.69	.18		—	—	—	—		—	—	—	100
Atlantic City Electric Co.....	57	183.7	46.02	2.26		1	285.0	16.69	.11		*	237.2	2.48	100
Deepwater (NJ).....	—	—	—	—		—	—	—	—		*	237.2	2.48	—
England (NJ).....	57	183.7	46.02	2.26		1	285.0	16.69	.11		—	—	—	100
Austin City of.....	—	—	—	—		—	—	—	—		1,478	201.1	2.04	—
Decker Creek (TX).....	—	—	—	—		—	—	—	—		1,103	198.4	2.02	—
Holly (TX).....	—	—	—	—		—	—	—	—		375	209.1	2.12	—
Baltimore Gas & Electric Co.....	340	140.0	35.50	.78		85	211.4	13.34	.97		160	214.4	2.23	92
Brandon Shores (MD).....	249	139.5	34.96	.71		2	255.4	14.86	.05		—	—	—	100
Crane (MD).....	24	142.5	38.06	1.14		—	—	—	—		—	—	—	100
Gould St (MD).....	—	—	—	—		—	—	—	—		14	209.3	2.18	—
Riverside (MD).....	—	—	—	—		—	—	—	—		3	231.5	2.41	—
Wagner (MD).....	67	140.7	36.59	.91		83	210.4	13.30	1.00		143	214.6	2.23	72
Basin Electric Power Coop.....	1,592	57.6	8.63	.55		14	233.6	13.50	.37		—	—	—	100
Antelope Valley (ND).....	540	71.7	9.60	.68		3	58.5	3.36	.48		—	—	—	100
Laramie River (WY).....	731	42.3	7.11	.40		7	286.8	16.61	.34		—	—	—	100
Leland Olds (ND).....	321	77.4	10.45	.68		4	263.5	15.26	.34		—	—	—	99
Black Hills Corp.....	46	40.0	6.41	.76		—	—	—	—		—	—	—	100
Neal Simpson II (WY).....	46	40.0	6.41	.76		—	—	—	—		—	—	—	100
Braintree City of.....	—	—	—	—		5	237.6	13.85	.18		149	233.4	2.40	—
Potter Station (MA).....	—	—	—	—		5	237.6	13.85	.18		149	233.4	2.40	—
Brazos Electric Power Coop Inc.....	—	—	—	—		—	—	—	—		1,403	224.9	2.25	—
Miller (TX).....	—	—	—	—		—	—	—	—		1,368	225.4	2.25	—
North Texas (TX).....	—	—	—	—		—	—	—	—		35	202.1	2.02	—
Bryan City of.....	—	—	—	—		—	—	—	—		469	208.2	2.13	—
Bryan (TX).....	—	—	—	—		—	—	—	—		201	212.9	2.19	—
Dansby (TX).....	—	—	—	—		—	—	—	—		268	204.7	2.08	—
Burbank City of.....	—	—	—	—		—	—	—	—		40	284.2	2.90	—
Magnolia-Olive (CA).....	—	—	—	—		—	—	—	—		40	284.2	2.90	—
Burlington City of.....	—	—	—	—		2	277.7	15.88	—		4	283.9	2.87	—
J C McNeil (VT).....	—	—	—	—		2	277.7	15.88	—		4	283.9	2.87	—
Cajun Electric Power Coop Inc.....	546	146.7	24.67	.45		4	233.6	13.74	—		—	—	—	100
Big Cajun No.2 (LA).....	546	146.7	24.67	.45		4	233.6	13.74	—		—	—	—	100
Cambridge Electric Light Co.....	—	—	—	—		15	234.7	14.65	.39		33	203.2	2.03	—
Kendall Square (MA).....	—	—	—	—		15	234.7	14.65	.39		33	203.2	2.03	—
Canal Electric Co.....	—	—	—	—		1,113	151.0	9.65	.88		*	229.2	2.36	—
Canal (MA).....	—	—	—	—		1,113	151.0	9.65	.88		*	229.2	2.36	—

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Cardinal Operating Co	381	142.3	34.71	1.37	—	—	—	—	—	—	—	100	—	—
Cardinal (OH)	381	142.3	34.71	1.37	—	—	—	—	—	—	—	100	—	—
Carolina Power & Light Co.	930	142.9	35.36	.91	23	261.9	15.18	0.20	—	—	—	99	1	—
Asheville (NC)	91	140.7	35.32	1.09	*	265.5	15.39	.20	—	—	—	100	*	—
Cape Fear (NC)	85	147.0	36.36	1.00	1	260.8	15.12	.20	—	—	—	100	*	—
Lee (NC)	55	155.2	37.87	.90	4	247.1	14.32	.20	—	—	—	98	2	—
Mayo (NC)	82	142.1	34.43	.66	4	253.1	14.67	.20	—	—	—	99	1	—
Robinson (SC)	18	142.4	36.35	1.02	*	295.2	17.11	.20	—	—	—	99	1	—
Roxboro (NC)	436	138.0	34.22	.87	11	265.4	15.38	.20	—	—	—	99	1	—
Sutton (NC)	132	148.6	36.63	.99	3	270.5	15.68	.20	—	—	—	99	1	—
Weatherspoon (NC)	31	163.3	40.97	.96	1	271.0	15.71	.20	—	—	—	99	1	—
Cedar Falls City of	—	—	—	—	—	—	—	—	*	261.0	2.61	—	—	100
Streeter (IA)	—	—	—	—	—	—	—	—	*	261.0	2.61	—	—	100
Central Electric Pwr Coop-MO	15	123.7	27.20	2.66	—	—	—	—	—	—	—	100	—	—
Chamois (MO)	15	123.7	27.20	2.66	—	—	—	—	—	—	—	100	—	—
Central Hudson Gas & Elec Corp	108	168.6	43.60	.67	449	163.7	10.35	1.06	585	151.2	1.53	45	46	10
Danskammer (NY)	108	168.6	43.60	.67	—	—	—	—	332	118.3	1.19	89	—	11
Roseton (NY)	—	—	—	—	449	163.7	10.35	1.06	253	194.0	1.97	—	92	8
Central Illinois Light Co.	268	146.1	32.13	2.02	1	358.1	20.83	.04	—	—	—	100	*	—
Duck Creek (IL)	120	158.1	34.73	2.05	1	372.1	21.68	.03	—	—	—	100	*	—
Edwards (IL)	148	136.3	30.02	2.00	1	346.9	20.15	.04	—	—	—	100	*	—
Central Illinois Pub Serv Co.	562	115.2	22.91	.98	9	311.0	17.85	.29	—	—	—	100	*	—
Coffeen (IL)	178	113.6	23.40	1.00	2	312.1	17.83	.29	—	—	—	100	*	—
Grand Tower (IL)	34	93.7	21.13	3.03	1	312.9	18.33	.29	—	—	—	99	1	—
Hutsonville (IL)	22	109.6	24.11	2.81	1	317.9	18.09	.29	—	—	—	99	1	—
Meredosia (IL)	43	120.8	27.38	2.73	1	290.5	16.77	.29	—	—	—	99	1	—
Newton (IL)	285	118.8	22.05	.31	4	313.4	17.96	.29	—	—	—	100	*	—
Central Iowa Power Coop	—	—	—	—	—	—	—	—	2	353.8	3.57	—	—	100
Fair Station (IA)	—	—	—	—	—	—	—	—	2	353.8	3.57	—	—	100
Central Louisiana Elec Co Inc.	317	137.0	19.17	.80	—	—	—	—	1,369	191.9	2.01	76	—	24
Coughlin (LA)	—	—	—	—	—	—	—	—	85	217.7	2.29	—	—	100
Dolet Hills (LA)	274	135.2	18.25	.81	—	—	—	—	4	295.0	3.03	100	—	*
Rodemacher (LA)	43	145.8	25.00	.73	—	—	—	—	1,235	192.1	2.01	36	—	64
Teche (LA)	—	—	—	—	—	—	—	—	45	130.8	1.38	—	—	100
Central Maine Power Co.	—	—	—	—	435	178.9	11.37	1.28	—	—	—	—	100	—
Wyman (ME)	—	—	—	—	435	178.9	11.37	1.28	—	—	—	—	100	—
Central Operating Co	237	124.9	30.61	1.55	2	383.3	22.05	—	—	—	—	100	*	—
Sporn (WV)	237	124.9	30.61	1.55	2	383.3	22.05	—	—	—	—	100	*	—
Central Power & Light Co.	232	138.4	25.59	.34	—	—	—	—	9,599	194.8	2.01	30	—	70
Bates (TX)	—	—	—	—	—	—	—	—	475	192.4	2.00	—	—	100
Coletto Creek (TX)	232	138.4	25.59	.34	—	—	—	—	—	—	—	100	—	—
Davis (TX)	—	—	—	—	—	—	—	—	3,316	190.6	1.95	—	—	100
Hill (TX)	—	—	—	—	—	—	—	—	1,581	194.4	1.99	—	—	100
Joslin (TX)	—	—	—	—	—	—	—	—	398	203.5	2.10	—	—	100
La Palma (TX)	—	—	—	—	—	—	—	—	599	203.4	2.11	—	—	100
Laredo (TX)	—	—	—	—	—	—	—	—	554	208.6	2.24	—	—	100
Nueces Bay (TX)	—	—	—	—	—	—	—	—	2,552	194.5	2.00	—	—	100
Victoria (TX)	—	—	—	—	—	—	—	—	124	195.4	2.06	—	—	100
Chugach Electric Assn Inc.	—	—	—	—	—	—	—	—	1,325	158.8	1.59	—	—	100
Beluga (AK)	—	—	—	—	—	—	—	—	1,325	158.8	1.59	—	—	100
Cincinnati Gas & Electric Co	1,005	111.2	26.66	2.05	20	277.2	15.89	.20	—	—	—	100	*	—

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu			
	Receipts		Average Cost ³		Receipts	Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf				
Cincinnati Gas & Electric Co															
Beckjord (OH).....	260	111.1	26.55	1.34	4	273.6	15.75	0.36	—	—	—	100	*	—	
East Bend (KY).....	115	116.9	27.97	1.63	3	283.4	16.17	.29	—	—	—	99	1	—	
Miami Fort (OH).....	294	120.6	28.66	1.15	4	282.1	16.20	.02	—	—	—	100	*	—	
Zimmer (OH).....	335	101.3	24.54	3.54	10	274.7	15.75	.17	—	—	—	99	1	—	
Cleveland Electric Illum Co															
Ashtabula (OH).....	285	149.2	38.79	1.71	2	297.7	17.31	.04	—	—	—	100	*	—	
Ashtabula (OH).....	9	117.4	31.39	2.17	2	297.7	17.31	.04	—	—	—	96	4	—	
Avon Lake (OH).....	108	148.0	38.11	.87	—	—	—	—	—	—	—	100	—	—	
Eastlake (OH).....	168	151.7	39.61	2.22	—	—	—	—	—	—	—	100	—	—	
Colorado Springs City of															
Birdsall (CO).....	128	129.9	27.42	.39	—	—	—	—	29	361.9	3.56	99	—	1	
Drake (CO).....	59	178.2	36.32	.37	—	—	—	—	8	361.9	3.56	99	—	1	
Nixon (CO).....	69	91.1	19.80	.41	—	—	—	—	—	—	—	100	—	—	
Columbia City of															
Columbia (MO).....	2	200.0	53.09	.99	—	—	—	—	—	—	—	100	—	—	
Columbus & Southern Ohio El Co															
Conesville (OH).....	386	130.7	31.12	2.76	2	266.3	15.72	—	—	—	—	100	*	—	
Picway (OH).....	372	131.7	31.39	2.73	1	263.9	15.60	—	—	—	—	100	*	—	
Picway (OH).....	13	101.6	23.51	3.67	*	274.5	16.13	—	—	—	—	99	1	—	
Commonwealth Edison Co															
Collins (IL).....	1,412	169.3	30.09	.35	71	223.9	14.21	.57	1,396	206.6	2.11	93	2	5	
Fisk Storage (IL).....	—	—	—	—	65	221.2	14.13	.60	1,382	205.7	2.10	—	23	77	
Joliet (IL).....	—	—	—	—	—	—	—	—	7	205.3	2.11	—	—	100	
Powerton (IL).....	374	253.7	44.37	.38	—	—	—	—	—	—	—	100	—	—	
Powerton (IL).....	412	139.0	24.97	.29	—	—	—	—	7	405.8	4.06	100	—	*	
Waukegan (IL).....	208	110.5	19.19	.45	—	—	—	—	—	—	—	100	—	—	
Will County (IL).....	418	153.9	27.77	.34	6	256.5	14.97	.22	—	—	—	100	*	—	
Connecticut Light & Power Co															
Devon (CT).....	—	—	—	—	707	178.2	11.44	.73	119	185.4	1.90	—	97	3	
Middletown (CT).....	—	—	—	—	33	179.0	11.43	1.00	44	210.3	2.13	—	83	17	
Montville (CT).....	—	—	—	—	170	188.1	11.85	.45	75	171.2	1.77	—	93	7	
Norwalk Harbor (CT).....	—	—	—	—	387	174.6	11.33	.77	—	—	—	—	100	—	
Norwalk Harbor (CT).....	—	—	—	—	117	175.9	11.20	.94	—	—	—	—	100	—	
Consolidated Edison Co-NY Inc															
Arthur Kill (NY).....	—	—	—	—	490	174.8	10.86	.25	3,351	226.0	2.33	—	47	53	
Astoria (NY).....	—	—	—	—	—	—	—	—	1,017	227.5	2.34	—	—	100	
East River (NY).....	—	—	—	—	15	175.7	10.80	.28	1,640	225.4	2.32	—	5	95	
Storage Facility #5.....	—	—	—	—	—	—	—	—	153	225.4	2.32	—	—	100	
Storage Facility #7.....	—	—	—	—	242	174.1	10.81	.26	—	—	—	—	100	—	
Waterside (NY).....	—	—	—	—	233	175.5	10.92	.25	—	—	—	—	100	—	
Waterside (NY).....	—	—	—	—	—	—	—	—	542	225.4	2.32	—	—	100	
Consumers Power Co															
Campbell (MI).....	591	147.7	33.70	.71	98	258.0	16.55	.81	143	221.0	2.21	95	4	1	
Karn-Weadock (MI).....	349	154.4	35.96	.69	5	260.3	15.09	.50	—	—	—	100	*	—	
Whiting (MI).....	38	150.6	36.94	.98	88	257.4	16.69	.84	143	221.0	2.21	57	35	9	
Whiting (MI).....	86	125.1	25.36	.58	4	268.2	15.54	.50	—	—	—	99	1	—	
Whiting (MI).....	118	141.1	32.03	.77	*	259.9	15.06	.50	—	—	—	100	*	—	
Coop Power Assn															
Coal Creek (ND).....	780	74.7	9.32	.65	—	—	—	—	—	—	—	100	—	—	
Coal Creek (ND).....	780	74.7	9.32	.65	—	—	—	—	—	—	—	100	—	—	
Dairyland Power Coop															
Alma-Madgett (WI).....	135	96.3	16.92	.19	—	—	—	—	—	—	—	100	—	—	
Alma-Madgett (WI).....	135	96.3	16.92	.19	—	—	—	—	—	—	—	100	—	—	
Dayton Power & Light Co															
Hutchings (OH).....	792	126.0	29.56	.79	30	292.7	16.95	.08	13	448.4	4.57	99	1	*	
Killen (OH).....	42	138.0	34.62	.89	—	—	—	—	13	448.4	4.57	99	—	1	
Stuart (OH).....	201	128.2	30.67	.64	23	302.1	17.54	—	—	—	—	97	3	—	
Stuart (OH).....	549	124.2	28.76	.84	7	262.4	15.07	.35	—	—	—	100	*	—	
Delmarva Power & Light Co															
Edgemoor (DE).....	89	149.6	39.16	1.05	263	157.8	9.98	.86	912	354.1	3.34	48	34	18	
Edgemoor (DE).....	33	159.0	40.68	.72	215	156.7	9.89	.65	319	217.6	1.66	34	56	10	

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³	
	(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	
Delmarva Power & Light Co														
Hay Road (DE).....	—	—	—	—	—	—	—	—	—	—	593	408.2	4.23	—
Indian River (DE).....	57	144.3	38.28	1.25	—	4	264.2	15.37	0.21	—	—	—	—	98
Vienna (MD).....	—	—	—	—	—	44	154.2	9.90	1.98	—	—	—	—	100
Denton City of														
Spencer (TX).....	—	—	—	—	—	—	—	—	—	—	192	210.0	2.20	—
	—	—	—	—	—	—	—	—	—	—	192	210.0	2.20	100
Deseret Generation & Tran Coop														
Bonanza (UT).....	92	192.8	39.23	.39	—	1	558.0	32.34	—	—	—	—	—	100
	92	192.8	39.23	.39	—	1	558.0	32.34	—	—	—	—	—	100
Detroit City of														
Mistersky (MI).....	—	—	—	—	—	13	341.0	20.51	1.00	—	247	314.8	3.29	23
	—	—	—	—	—	13	341.0	20.51	1.00	—	247	314.8	3.29	77
Detroit Edison Co														
Belle River (MI).....	1,961	127.9	26.85	.67	—	42	223.4	13.06	.39	—	2,217	208.7	.96	97
Greenwood (MI).....	450	147.8	28.08	.35	—	10	305.6	17.64	.28	—	—	—	—	99
Harbor Beach (MI).....	—	—	—	—	—	19	130.8	7.77	.52	—	686	244.5	2.48	14
Marysville (MI).....	—	—	—	—	—	1	309.3	17.64	.10	—	—	—	—	100
Monroe (MI).....	23	148.8	39.20	.80	—	—	—	—	—	—	18	245.0	2.45	97
River Rouge (MI).....	697	114.5	26.64	.92	—	6	301.8	17.43	.36	—	—	—	—	100
St Clair (MI).....	133	106.1	23.23	.87	—	—	—	—	—	—	1,469	104.0	.18	92
Trenton Channel (MI).....	510	144.9	28.40	.59	—	1	289.5	16.80	.17	—	44	244.0	2.47	100
	148	103.2	20.05	.46	—	5	291.1	16.80	.25	—	—	—	—	99
Dover City of														
Mckee Run (DE).....	—	—	—	—	—	—	—	—	—	—	5	345.8	3.57	—
	—	—	—	—	—	—	—	—	—	—	5	345.8	3.57	100
Duke Power Co														
Allen (NC).....	1,453	141.1	35.24	.91	—	13	244.7	14.29	.30	—	—	—	—	100
Belews Creek (NC).....	133	136.4	34.88	.81	—	3	242.0	14.15	.30	—	—	—	—	99
Buck (NC).....	512	148.1	36.74	.91	—	2	238.9	13.93	.30	—	—	—	—	100
Cliffside (NC).....	69	142.6	33.22	1.08	—	—	—	—	—	—	—	—	—	100
Dan River (NC).....	181	136.3	34.71	.95	—	1	254.0	14.83	.30	—	—	—	—	100
Lee (SC).....	18	146.1	36.74	1.13	—	—	—	—	—	—	—	—	—	100
Marshall (NC).....	26	151.8	37.40	.71	—	4	248.1	14.49	.30	—	—	—	—	96
Riverbend (NC).....	404	135.3	33.83	.87	—	3	243.5	14.21	.30	—	—	—	—	100
	110	139.7	35.26	1.02	—	—	—	—	—	—	—	—	—	100
Duquesne Light Co														
Cheswick (PA).....	195	167.4	42.77	2.01	—	2	242.7	14.00	.12	—	12	363.8	3.78	100
Elrama (PA).....	112	111.3	29.22	1.92	—	—	—	—	—	—	12	363.8	3.78	100
	83	248.3	61.05	2.12	—	2	242.7	14.00	.12	—	—	—	—	99
East Kentucky Power Coop														
Cooper (KY).....	349	116.2	28.64	.85	—	1	268.6	15.64	.15	—	—	—	—	100
Dale (KY).....	69	112.6	27.82	1.23	—	*	287.9	16.76	.20	—	—	—	—	100
Spurlock (KY).....	37	115.0	28.36	.91	—	*	258.9	15.07	.12	—	—	—	—	100
	243	117.4	28.92	.74	—	—	—	—	—	—	—	—	—	100
El Paso Electric Co														
Newman (TX).....	—	—	—	—	—	—	—	—	—	—	2,546	200.6	2.04	—
Rio Grande (NM).....	—	—	—	—	—	—	—	—	—	—	1,882	201.8	2.05	—
	—	—	—	—	—	—	—	—	—	—	664	197.0	2.00	—
Electric Energy Inc														
Joppa (IL).....	421	86.9	15.19	.22	—	*	415.7	23.80	.18	—	54	240.2	2.52	99
	421	86.9	15.19	.22	—	*	415.7	23.80	.18	—	54	240.2	2.52	99
Empire District Electric Co														
Asbury (MO).....	144	105.6	19.14	.41	—	1	269.3	15.77	—	—	182	276.1	2.76	93
Riverton (KS).....	117	102.4	18.21	.28	—	1	269.3	15.77	—	—	—	—	—	100
	28	118.0	23.03	.98	—	—	—	—	—	—	182	276.1	2.76	75
Fayetteville Public Works														
Butler Warner (NC).....	—	—	—	—	—	—	—	—	—	—	18	374.2	3.93	—
	—	—	—	—	—	—	—	—	—	—	18	374.2	3.93	100
Florida Power & Light Co														
Cape Canaveral (FL).....	—	—	—	—	—	2,736	171.9	10.90	1.38	—	12,849	278.1	2.95	—
Fort Myers (FL).....	—	—	—	—	—	460	167.3	10.64	1.41	—	646	278.1	2.95	—
Lauderdale (FL).....	—	—	—	—	—	470	138.8	8.85	2.00	—	—	—	—	100
	—	—	—	—	—	32	320.0	17.93	.20	—	3,326	278.1	2.95	5

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Florida Power & Light Co														
Manatee (FL).....	—	—	—	—	471	211.6	13.33	0.98	—	—	—	—	100	—
Martin (FL).....	—	—	—	—	124	204.7	12.99	.64	4,304	278.1	2.95	—	15	85
Port Everglades (FL).....	—	—	—	—	398	159.7	10.09	.91	1,181	278.1	2.95	—	67	33
Putnam (FL).....	—	—	—	—	—	—	—	—	1,638	278.1	2.95	—	—	100
Riviera (FL).....	—	—	—	—	349	140.5	8.95	2.10	551	278.1	2.95	—	79	21
Sanford (FL).....	—	—	—	—	262	167.3	10.66	1.68	438	278.1	2.95	—	78	22
Turkey Point (FL).....	—	—	—	—	170	219.7	13.89	.62	765	278.1	2.95	—	57	43
Florida Power Corp⁵	538	173.3	43.67	0.83	582	147.1	9.52	1.52	—	—	—	78	22	—
Anclote (FL).....	—	—	—	—	2	276.5	16.13	.48	—	—	—	—	100	—
Bartow (FL).....	—	—	—	—	111	121.3	7.91	1.91	—	—	—	—	100	—
Crystal River (FL).....	329	172.4	43.62	.91	11	285.3	16.63	.49	—	—	—	99	1	—
IMT Transfer (LA).....	208	174.7	43.75	.71	—	—	—	—	—	—	—	100	—	—
Storage Facility #1.....	—	—	—	—	453	149.2	9.66	1.46	—	—	—	—	100	—
Suwannee (FL).....	—	—	—	—	5	224.5	13.91	1.00	—	—	—	—	100	—
Fort Pierce City of	—	—	—	—	—	—	—	—	4	437.6	4.63	—	—	100
H D King (FL).....	—	—	—	—	—	—	—	—	4	437.6	4.63	—	—	100
Fremont City of	12	87.9	15.11	.26	—	—	—	—	7	218.0	2.18	97	—	3
Wright (NE).....	12	87.9	15.11	.26	—	—	—	—	7	218.0	2.18	97	—	3
Gainesville City of	54	165.7	43.10	.64	—	—	—	—	131	211.5	2.24	91	—	9
Deerhaven (FL).....	54	165.7	43.10	.64	—	—	—	—	130	211.5	2.24	91	—	9
Jr Kelly (FL).....	—	—	—	—	—	—	—	—	*	209.8	2.24	—	—	100
Garland City of	—	—	—	—	—	—	—	—	694	185.6	1.88	—	—	100
Newman (TX).....	—	—	—	—	—	—	—	—	18	192.2	1.98	—	—	100
Olinger (TX).....	—	—	—	—	—	—	—	—	676	185.4	1.87	—	—	100
Georgia Power Co	2,917	154.7	36.12	.87	58	318.0	18.50	.50	—	—	—	100	*	—
Arkwright (GA).....	13	166.5	43.49	1.67	—	—	—	—	—	—	—	100	—	—
Atkinson-Mcdonough (GA).....	176	138.2	35.47	1.18	—	—	—	—	—	—	—	100	—	—
Bowen (GA).....	603	141.8	34.55	.87	1	274.7	15.98	.50	—	—	—	100	*	—
Hammond (GA).....	51	148.7	38.09	.76	3	268.9	15.64	.50	—	—	—	99	1	—
Harlee Branch (GA).....	364	156.7	38.72	1.36	2	270.3	15.72	.50	—	—	—	100	*	—
Mcmanus (GA).....	—	—	—	—	29	367.4	21.37	.50	—	—	—	—	100	—
Mitchell (GA).....	38	172.7	44.24	1.30	11	267.7	15.57	.50	—	—	—	94	6	—
Scherer (GA).....	990	169.3	34.63	.50	7	267.8	15.58	.50	—	—	—	100	*	—
Wansley (GA).....	392	148.8	36.36	1.01	5	274.6	15.97	.50	—	—	—	100	*	—
Yates (GA).....	290	153.9	39.57	1.04	2	273.4	15.90	.50	—	—	—	100	*	—
Glendale City of	—	—	—	—	—	—	—	—	318	281.0	2.87	—	—	100
Glendale (CA).....	—	—	—	—	—	—	—	—	318	281.0	2.87	—	—	100
Grand Haven City of	—	—	—	—	—	—	—	—	*	402.4	4.02	—	—	100
J B Simms (MI).....	—	—	—	—	—	—	—	—	*	402.4	4.02	—	—	100
Grand Island City of	35	66.9	11.60	.44	—	—	—	—	*	776.1	7.76	100	—	*
Burdick (NE).....	—	—	—	—	—	—	—	—	*	776.1	7.76	—	—	100
Platte (NE).....	35	66.9	11.60	.44	—	—	—	—	—	—	—	100	—	—
Grand River Dam Authority	355	85.6	14.64	.43	1	244.7	14.13	.40	55	243.8	2.44	99	*	1
GRDA No 1 (OK).....	355	85.6	14.64	.43	1	244.7	14.13	.40	55	243.8	2.44	99	*	1
Greenville City of	—	—	—	—	—	—	—	—	33	199.5	2.11	—	—	100
Power Lane (TX).....	—	—	—	—	—	—	—	—	33	199.5	2.11	—	—	100
Gulf Power Co	264	139.6	33.28	1.60	1	331.4	19.28	.45	22	138.7	1.39	100	*	*
Crist (FL).....	170	142.8	34.03	1.00	—	—	—	—	22	138.7	1.39	99	—	1
Smith (FL).....	94	133.6	31.90	2.68	1	331.4	19.28	.45	—	—	—	100	*	—
Gulf States Utilities Co	204	127.7	22.08	.44	—	—	—	—	13,782	216.7	2.26	20	—	80

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)			
Gulf States Utilities Co														
Lewis Creek (TX)	—	—	—	—	—	—	—	—	2,439	209.2	2.24	—	—	100
Nelson (LA)	204	127.7	22.08	0.44	—	—	—	—	1,903	170.9	1.77	64	—	36
Sabine (TX)	—	—	—	—	—	—	—	—	7,138	237.9	2.48	—	—	100
Spindletop Storage (TX)	—	—	—	—	—	—	—	—	1,184	207.0	2.09	—	—	100
Willow Glen (LA)	—	—	—	—	—	—	—	—	1,118	185.1	1.93	—	—	100
Hamilton City of														
Hamilton (OH)	15	150.6	37.18	.65	—	—	—	—	10	273.9	2.81	97	—	3
Hastings City of	31	59.4	10.08	.36	—	—	—	—	—	—	—	100	—	—
Hastings (NE)	31	59.4	10.08	.36	—	—	—	—	—	—	—	100	—	—
Hawaiian Electric Co Inc														
Kahe (HI)	—	—	—	—	501	259.5	16.28	0.38	—	—	—	—	100	—
Storage Facility #1	—	—	—	—	66	249.5	15.67	.43	—	—	—	—	100	—
Holland City of	37	160.0	39.34	.59	—	—	—	—	—	—	—	100	—	—
James De Young (MI)	37	160.0	39.34	.59	—	—	—	—	—	—	—	100	—	—
Holyoke Water Power Co														
Mount Tom (MA)	16	176.1	46.56	.86	*	266.7	15.43	.27	—	—	—	100	*	—
Hoosier Energy R E C Inc	267	118.8	26.40	2.58	3	285.9	16.57	—	—	—	—	100	*	—
Frank E Ratts (IN)	68	131.1	29.19	1.06	*	304.3	17.64	—	—	—	—	100	*	—
Merom (IN)	199	114.7	25.46	3.10	2	282.6	16.38	—	—	—	—	100	*	—
Houston Lighting & Power Co														
Bertron (TX)	1,825	132.6	20.19	.65	—	—	—	—	9,251	190.9	1.96	75	—	25
Cedar Bayou (TX)	—	—	—	—	—	—	—	—	1,501	187.3	1.95	—	—	100
Deepwater (TX)	—	—	—	—	—	—	—	—	3,469	195.1	2.00	—	—	100
Green Bayou (TX)	—	—	—	—	—	—	—	—	73	187.2	1.94	—	—	100
Limestone (TX)	864	83.2	10.87	.92	—	—	—	—	425	187.5	1.93	—	—	100
Parish (TX)	961	166.3	28.57	.40	—	—	—	—	112	205.4	2.08	99	—	1
Robinson (TX)	—	—	—	—	—	—	—	—	327	187.5	1.94	98	—	2
Webster (TX)	—	—	—	—	—	—	—	—	1,909	188.9	1.96	—	—	100
Wharton (TX)	—	—	—	—	—	—	—	—	29	187.2	1.96	—	—	100
Illinois Power Co	681	113.4	24.85	2.29	2	283.3	16.66	.30	1,406	187.7	1.89	—	—	100
Baldwin (IL)	457	105.4	22.59	2.80	1	284.7	16.74	.30	—	—	—	100	*	—
Havana (IL)	30	140.2	32.53	.49	1	282.0	16.58	.30	—	—	—	99	1	—
Hennepin (IL)	55	113.8	26.14	2.91	—	—	—	—	7	199.5	2.06	99	—	1
Vermilion (IL)	27	112.0	23.24	1.16	—	—	—	—	11	188.1	1.94	98	—	2
Wood River (IL)	112	136.3	31.76	.67	—	—	—	—	62	202.3	2.08	98	—	2
Imperial Irrigation District														
El Centro (CA)	—	—	—	—	—	—	—	—	187	310.8	3.16	—	—	100
Independence City of	9	114.6	25.02	3.38	—	—	—	—	187	310.8	3.16	—	—	100
Blue Valley (MO)	9	114.6	25.02	3.38	—	—	—	—	5	293.1	2.95	97	—	3
Indiana & Michigan Electric Co	985	112.4	21.85	.43	4	256.9	14.98	—	5	293.1	2.95	97	—	3
Rockport (IN)	822	109.0	19.93	.32	—	—	—	—	—	—	—	100	—	—
Tanners Creek (IN)	163	124.9	31.49	1.00	4	256.9	14.98	—	—	—	—	99	1	—
Indiana-Kentucky Electric Corp														
Clifty Creek (IN)	407	132.6	27.01	.86	*	297.9	17.02	.30	—	—	—	100	*	—
Indianapolis Power & Light Co	774	97.3	21.62	2.41	47	266.8	15.54	.04	—	—	—	98	2	—
Petersburg (IN)	567	92.8	20.65	2.88	—	—	—	—	—	—	—	100	—	—
Pritchard (IN)	44	105.3	23.00	1.08	—	—	—	—	—	—	—	100	—	—
Stout (IN)	163	110.8	24.65	1.15	47	266.8	15.54	.04	—	—	—	93	7	—
Interstate Power Co														
.....	30	130.9	30.69	.49	2	270.0	15.88	—	*	361.9	3.62	99	1	*

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu			
	Receipts		Average Cost ³		Receipts	Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf				
Interstate Power Co															
Dubuque (IA).....	—	—	—	—	—	—	—	—	*	361.9	3.62	—	—	100	
Kapp (IA).....	30	130.9	30.69	0.49	—	—	—	—	—	—	—	100	—	—	
Lansing (IA).....	—	—	—	—	2	270.0	15.88	—	—	—	—	—	100	—	
IES Utilities	573	75.5	12.74	.38	—	—	—	—	94	351.3	3.51	99	—	1	
Burlington (IA).....	75	82.9	14.21	.53	—	—	—	—	2	739.7	7.40	100	—	*	
Ottumwa (IA).....	351	71.9	12.06	.36	—	—	—	—	—	—	—	100	—	—	
Prairie Creek (IA).....	88	78.5	13.27	.34	—	—	—	—	4	684.5	6.84	100	—	*	
Sutherland (IA).....	47	67.3	11.18	.33	—	—	—	—	39	180.9	1.81	95	—	5	
6th St (IA).....	11	142.7	26.52	.35	—	—	—	—	48	443.8	4.44	82	—	18	
Jacksonville Electric Auth	390	147.4	35.52	.82	442	200.8	12.79	1.32	783	159.9	1.71	72	22	6	
Kennedy (FL).....	—	—	—	—	64	210.3	13.48	.84	54	159.9	1.71	—	88	12	
Northside (FL).....	—	—	—	—	329	198.7	12.64	1.49	677	159.9	1.71	—	74	26	
Southside (FL).....	—	—	—	—	46	199.0	12.76	.84	52	159.9	1.71	—	84	16	
St Johns River (FL).....	390	147.4	35.52	.82	3	269.0	15.70	.35	—	—	—	100	*	—	
Jamestown City of	7	127.9	32.50	1.94	—	—	—	—	—	—	—	100	—	—	
Samuel A Carlson (NY).....	7	127.9	32.50	1.94	—	—	—	—	—	—	—	100	—	—	
Kansas City City of	149	80.6	13.97	.51	1	272.3	15.78	.50	98	266.8	2.68	96	*	4	
Nearman (KS).....	106	70.6	11.79	.38	1	272.3	15.78	.50	—	—	—	100	*	—	
Quindaro (KS).....	43	102.7	19.32	.85	—	—	—	—	98	266.8	2.68	89	—	11	
Kansas City Power & Light Co	889	68.1	11.91	.49	37	268.8	15.71	—	113	220.0	2.20	98	1	1	
Hawthorne (MO).....	71	67.7	11.92	.35	—	—	—	—	113	220.0	2.20	92	—	8	
Iatan (MO).....	333	58.9	10.28	.37	—	—	—	—	—	—	—	100	—	—	
La Cygne (KS).....	319	67.7	11.82	.71	29	260.2	15.22	—	—	—	—	97	3	—	
Montrose (MO).....	166	87.2	15.31	.37	8	300.0	17.48	—	—	—	—	98	2	—	
Kansas Gas & Electric Co	—	—	—	—	2	156.4	10.08	1.10	692	195.0	2.03	—	2	98	
Evans (KS).....	—	—	—	—	—	—	—	—	548	195.0	2.04	—	—	100	
Gill (KS).....	—	—	—	—	2	156.4	10.08	1.10	144	195.0	1.97	—	8	92	
Kansas Power & Light Co	858	111.9	19.56	.41	*	327.6	18.99	.25	45	207.2	2.11	100	*	*	
Hutchinson (KS).....	—	—	—	—	—	—	—	—	12	216.4	2.29	—	—	100	
Jeffrey Energy Cnt (KS).....	687	113.9	19.14	.41	*	327.6	18.99	.25	—	—	—	100	*	—	
Lawrence (KS).....	105	105.8	21.32	.40	—	—	—	—	20	203.8	2.03	99	—	1	
Tecumseh (KS).....	66	103.8	21.14	.40	—	—	—	—	13	203.8	2.06	99	—	1	
Kentucky Power Co	245	104.8	25.64	1.19	—	—	—	—	—	—	—	100	—	—	
Big Sandy (KY).....	245	104.8	25.64	1.19	—	—	—	—	—	—	—	100	—	—	
Kentucky Utilities Co	651	108.7	26.12	1.55	6	352.1	20.70	.40	—	—	—	100	*	—	
Brown (KY).....	149	112.2	26.66	1.37	—	—	—	—	—	—	—	100	—	—	
Ghent (KY).....	447	107.7	25.91	1.59	6	352.1	20.70	.40	—	—	—	100	*	—	
Green River (KY).....	42	101.7	24.20	1.98	—	—	—	—	—	—	—	100	—	—	
Tyrone (KY).....	13	127.0	32.96	.73	—	—	—	—	—	—	—	100	—	—	
Lafayette City of	—	—	—	—	—	—	—	—	509	198.0	2.12	—	—	100	
Bonin (LA).....	—	—	—	—	—	—	—	—	509	198.0	2.12	—	—	100	
Lake Worth City of	—	—	—	—	1	400.0	23.46	.14	138	210.0	2.22	—	4	96	
Tom G Smith (FL).....	—	—	—	—	1	400.0	23.46	.14	138	210.0	2.22	—	4	96	
Lakeland City of	84	171.7	44.33	1.31	30	203.2	12.70	2.34	527	268.3	2.84	74	6	19	
Larsen Mem (FL).....	—	—	—	—	—	—	—	—	255	268.3	2.84	—	—	100	
Plant 3-Mcintosh (FL).....	84	171.7	44.33	1.31	30	203.2	12.70	2.34	271	268.3	2.84	82	7	11	
Lansing City of	112	156.8	35.25	.67	1	341.0	19.76	.30	—	—	—	100	*	—	
Eckert (MI).....	57	148.1	29.54	.48	1	341.0	19.76	.30	—	—	—	100	*	—	
Erickson (MI).....	55	164.1	41.25	.87	*	341.0	19.76	.30	—	—	—	100	*	—	

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)			
Long Island Lighting Co.....	—	—	—	—	935	146.4	9.35	0.90	2,536	243.3	2.51	—	70	30
Barrett (NY).....	—	—	—	—	—	—	—	—	1,550	257.3	2.67	—	—	100
Glenwood (NY).....	—	—	—	—	—	—	—	—	228	257.3	2.67	—	—	100
Northport (NY).....	—	—	—	—	633	145.6	9.34	.94	667	213.0	2.16	—	86	14
Port Jefferson (NY).....	—	—	—	—	302	148.0	9.37	.82	91	183.0	1.86	—	95	5
Los Angeles City of.....	463	123.8	29.00	0.54	—	—	—	—	1,277	389.7	3.98	89	—	11
Harbor (CA).....	—	—	—	—	—	—	—	—	505	389.7	3.96	—	—	100
Haynes (CA).....	—	—	—	—	—	—	—	—	318	389.7	3.98	—	—	100
Intermountain (UT).....	463	123.8	29.00	.54	—	—	—	—	—	—	—	100	—	—
Scattergood (CA).....	—	—	—	—	—	—	—	—	455	389.7	3.98	—	—	100
Louisiana Power & Light Co.....	—	—	—	—	—	—	—	—	10,288	218.5	2.29	—	—	100
Little Gypsy (LA).....	—	—	—	—	—	—	—	—	2,788	224.2	2.37	—	—	100
Nine Mile (LA).....	—	—	—	—	—	—	—	—	5,825	218.5	2.29	—	—	100
Sterlington (LA).....	—	—	—	—	—	—	—	—	374	194.2	2.01	—	—	100
Waterford (LA).....	—	—	—	—	—	—	—	—	1,300	212.9	2.22	—	—	100
Louisville Gas & Electric Co.....	470	93.3	21.75	3.33	4	441.7	25.97	.25	81	282.7	2.90	99	*	1
Cane Run (KY).....	92	90.5	20.32	3.34	1	615.7	36.20	.25	30	282.7	2.90	98	*	1
Mill Creek (KY).....	275	96.3	22.53	3.23	—	—	—	—	51	282.7	2.90	99	—	1
Trimble County (KY).....	102	87.9	20.94	3.59	3	395.6	23.26	.25	—	—	—	99	1	—
Lower Colorado River Authority.....	611	93.8	16.18	.36	—	—	—	—	2,814	177.1	1.80	79	—	21
Gideon (TX).....	—	—	—	—	—	—	—	—	1,567	154.4	1.57	—	—	100
S Seymour-Fayette (TX).....	611	93.8	16.18	.36	—	—	—	—	—	—	—	100	—	—
T C Ferguson (TX).....	—	—	—	—	—	—	—	—	1,248	205.7	2.09	—	—	100
Lubbock City of.....	—	—	—	—	—	—	—	—	299	173.6	1.76	—	—	100
Holly Ave (TX).....	—	—	—	—	—	—	—	—	299	173.6	1.76	—	—	100
Madison Gas & Electric Co.....	15	133.9	29.00	1.16	1	295.2	17.30	.04	112	264.7	2.64	73	1	25
Blount (WI).....	15	133.9	29.00	1.16	1	295.2	17.30	.04	112	264.7	2.64	73	1	25
Manitowoc Public Utilities.....	3	185.8	48.98	.79	—	—	—	—	—	—	—	100	—	—
Manitowoc (WI).....	3	185.8	48.98	.79	—	—	—	—	—	—	—	100	—	—
Marquette City of.....	39	117.2	21.71	.35	1	345.4	20.02	—	—	—	—	99	1	—
Shiras (MI).....	39	117.2	21.71	.35	1	345.4	20.02	—	—	—	—	99	1	—
Massachusetts Mun Wholes El Co.....	—	—	—	—	—	—	—	—	529	218.7	2.24	—	—	100
Stonybrook (MA).....	—	—	—	—	—	—	—	—	529	218.7	2.24	—	—	100
Medina Electric Coop Inc.....	—	—	—	—	—	—	—	—	25	228.0	2.60	—	—	100
Pearsall (TX).....	—	—	—	—	—	—	—	—	25	228.0	2.60	—	—	100
Metropolitan Edison Co.....	109	139.2	36.69	1.28	6	288.4	16.47	.30	—	—	—	99	1	—
Portland (PA).....	55	141.2	37.23	1.27	5	291.3	16.64	.30	—	—	—	98	2	—
Titus (PA).....	54	137.2	36.13	1.30	1	276.7	15.81	.30	—	—	—	99	1	—
Michigan South Central Pwr Agcy.....	12	155.2	37.01	3.32	1	256.7	15.20	.30	—	—	—	97	3	—
Project I (MI).....	12	155.2	37.01	3.32	1	256.7	15.20	.30	—	—	—	97	3	—
MidAmerican Energy.....	996	76.9	13.02	.36	4	255.1	14.57	—	53	307.7	3.13	100	*	*
Council Bluffs (IA).....	261	66.9	11.25	.40	—	—	—	—	2	401.4	4.02	100	—	*
George Neal 1-4 (IA).....	508	75.6	12.83	.36	4	255.1	14.57	—	12	406.4	4.10	100	*	*
Louisa (IA).....	161	91.6	15.46	.33	—	—	—	—	21	183.7	1.89	99	—	1
Riverside (IA).....	66	89.8	15.47	.26	—	—	—	—	19	376.3	3.80	98	—	2
Minnesota Power & Light Co.....	446	115.4	21.18	.50	3	279.9	16.11	.20	—	—	—	100	*	—
Boswell Energy Center (MN).....	434	115.9	21.25	.50	3	276.0	15.88	.20	—	—	—	100	*	—
Laskin Energy Center (MN).....	12	99.1	18.58	.37	*	344.2	19.80	.20	—	—	—	100	*	—
Minnkota Power Coop Inc.....	404	60.8	7.99	.88	3	271.4	15.96	.40	—	—	—	100	*	—
Young (ND).....	404	60.8	7.99	.88	3	271.4	15.96	.40	—	—	—	100	*	—

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³		Avg. Sulfur %	Receipts		Average Cost ³	
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)			(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl			(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf	
Mississippi Power & Light Co.....	—	—	—	—	—	704	176.4	11.72	2.98	—	882	173.5	1.78	—
Brown (MS).....	—	—	—	—	—	*	306.1	18.10	.50	—	296	159.6	1.64	—
Delta (MS).....	—	—	—	—	—	—	—	—	—	—	56	218.6	2.25	—
Gerald Andrus (MS).....	—	—	—	—	—	366	178.2	11.82	2.96	—	22	245.1	2.54	—
Wilson (MS).....	—	—	—	—	—	338	174.5	11.62	3.00	—	508	173.4	1.79	—
Mississippi Power Co.....	359	147.0	30.69	0.75	—	2	278.1	16.13	.35	—	542	187.4	1.97	93
Daniel (MS).....	177	156.1	29.46	.37	—	2	278.1	16.13	.35	—	—	—	—	100
Sweatt (MS).....	—	—	—	—	—	—	—	—	—	—	38	150.9	1.56	—
Watson (MS).....	181	139.7	31.90	1.12	—	—	—	—	—	—	504	190.1	2.01	89
Monongahela Power Co.....	1,054	111.0	27.74	2.98	—	2	321.0	19.01	.30	—	65	302.2	3.02	100
Albright (WV).....	21	105.4	26.53	1.52	—	*	311.8	18.46	.30	—	—	—	—	100
Ft Martin (WV).....	258	124.8	31.29	1.50	—	1	323.2	19.14	.30	—	—	—	—	100
Harrison (WV).....	439	115.4	28.94	3.61	—	*	307.4	18.20	.30	—	18	939.4	9.39	100
Pleasants (WV).....	278	91.3	22.42	3.84	—	*	334.3	19.80	.30	—	46	46.9	.47	99
Rivesville (WV).....	8	120.0	29.51	.95	—	—	—	—	—	—	—	—	—	100
Willow Island (WV).....	50	108.8	28.68	1.29	—	—	—	—	—	—	2	467.1	4.67	100
Montana Power Co.....	1,030	67.6	11.42	.76	—	2	449.4	26.61	—	—	33	136.4	1.42	100
Colstrip (MT).....	979	68.3	11.53	.79	—	2	449.4	26.61	—	—	—	—	—	100
Corette (MT).....	51	55.0	9.14	.23	—	—	—	—	—	—	33	136.4	1.42	96
Montana-Dakota Utilities Co.....	303	86.4	12.02	1.11	—	—	—	—	—	—	1	315.1	3.69	100
Coyote (ND).....	232	81.4	11.34	1.23	—	—	—	—	—	—	—	—	—	100
Heskett (ND).....	45	109.1	15.44	.82	—	—	—	—	—	—	—	—	—	100
Lewis and Clark (MT).....	26	91.2	12.20	.49	—	—	—	—	—	—	1	315.1	3.69	100
Montaup Electric Co.....	29	175.5	44.89	.72	—	77	167.7	10.59	.93	—	—	—	—	61
Somerset (MA).....	29	175.5	44.89	.72	—	77	167.7	10.59	.93	—	—	—	—	61
Morgan City City of.....	—	—	—	—	—	—	—	—	—	—	56	198.0	2.12	—
Morgan City (LA).....	—	—	—	—	—	—	—	—	—	—	56	198.0	2.12	—
Muscataine City of.....	68	75.7	12.81	.47	—	—	—	—	—	—	—	—	—	100
Muscataine (IA).....	68	75.7	12.81	.47	—	—	—	—	—	—	—	—	—	100
Nebraska Public Power District.....	475	48.8	8.41	.24	—	*	347.3	20.15	—	—	13	421.7	4.22	100
Gerald Gentleman (NE).....	417	47.0	8.09	.24	—	*	347.3	20.15	—	—	12	413.2	4.13	100
Sheldon (NE).....	59	61.4	10.67	.20	—	—	—	—	—	—	1	503.5	5.03	100
Nevada Power Co.....	168	102.9	24.10	.50	—	3	313.9	18.34	.30	—	2,026	246.0	2.56	65
Clark (NV).....	—	—	—	—	—	—	—	—	—	—	2,026	246.0	2.56	—
Gardner (NV).....	168	102.9	24.10	.50	—	3	313.9	18.34	.30	—	—	—	—	100
New Orleans Public Service Inc.....	—	—	—	—	—	83	199.1	13.10	1.50	—	1,990	198.2	2.08	—
Michoud (LA).....	—	—	—	—	—	83	199.1	13.10	1.50	—	1,990	198.2	2.08	—
New York State Elec & Gas Corp.....	309	134.4	34.64	2.31	—	4	386.0	22.21	.14	—	—	—	—	100
Goudey (NY).....	38	138.5	36.28	2.22	—	—	—	—	—	—	—	—	—	100
Greenidge (NY).....	37	135.8	36.21	1.57	—	1	389.1	22.39	.14	—	—	—	—	99
Hickling (NY).....	27	129.0	27.29	.65	—	—	—	—	—	—	—	—	—	100
Jennison (NY).....	4	162.7	42.64	1.48	—	—	—	—	—	—	—	—	—	100
Kintigh (NY).....	114	131.7	34.44	2.68	—	3	383.9	22.09	.14	—	—	—	—	100
Milliken (NY).....	90	135.4	35.37	2.73	—	*	393.4	22.64	.14	—	—	—	—	100
Niagara Mohawk Power Corp.....	245	136.0	35.69	1.84	—	426	211.6	13.38	.81	—	877	225.1	2.31	64
Albany (NY).....	—	—	—	—	—	241	177.4	11.30	.96	—	793	222.6	2.28	—
Dunkirk (NY).....	137	131.5	34.57	2.15	—	1	264.2	14.63	.35	—	—	—	—	100
Huntley (NY).....	108	141.6	37.11	1.46	—	*	307.3	17.10	.43	—	—	—	—	100
Oswego (NY).....	—	—	—	—	—	184	256.6	16.08	.62	—	84	248.7	2.53	—
Northern Indiana Pub Serv Co.....	769	131.7	26.85	1.38	—	—	—	—	—	—	69	313.9	3.22	100
Bailly (IN).....	190	140.9	31.06	2.43	—	—	—	—	—	—	3	482.8	4.96	100

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	(\$ per bbl)		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	(\$ per Mcf)			
Northern Indiana Pub Serv Co														
Michigan City (IN).....	80	142.5	27.38	0.47	—	—	—	—	3	420.5	4.32	100	—	*
Mitchell (IN).....	116	136.2	24.41	.36	—	—	—	—	32	331.9	3.41	98	—	2
Rollin Schahfer (IN).....	383	123.4	25.38	1.35	—	—	—	—	31	271.4	2.79	100	—	*
Northern States Power Co														
Bay Front (WI).....	1,122	87.2	15.43	.39	—	—	—	—	79	272.6	2.77	100	—	*
Black Dog (MN).....	9	167.5	39.82	.65	—	—	—	—	62	271.0	2.75	77	—	23
High Bridge (MN).....	72	84.6	14.93	.18	—	—	—	—	3	269.3	2.74	100	—	*
King (MN).....	95	84.2	14.85	.21	—	—	—	—	12	283.6	2.90	99	—	1
Riverside (MN).....	112	103.8	18.34	.39	—	—	—	—	1	248.8	2.55	100	—	*
Sherburne County (MN).....	137	82.4	14.58	.20	—	—	—	—	—	—	—	100	—	—
.....	697	84.8	14.95	.47	—	—	—	—	—	—	—	100	—	—
Ohio Edison Co														
Burger (OH).....	547	116.6	28.41	1.58	4	212.7	12.33	0.34	—	—	—	100	*	—
Niles (OH).....	53	104.6	26.22	2.57	*	351.6	20.41	.26	—	—	—	100	*	—
Sammis (OH).....	54	106.6	25.35	3.50	2	71.6	4.16	.37	—	—	—	99	1	—
.....	440	119.3	29.04	1.23	2	319.5	18.48	.33	—	—	—	100	*	—
Ohio Power Co														
Gavin (OH).....	1,101	168.9	39.96	2.55	2	302.9	17.61	—	—	—	—	100	*	—
Kammer (WV).....	406	216.3	48.30	3.31	—	—	—	—	—	—	—	100	—	—
Mitchell (WV).....	124	86.4	21.37	3.27	1	310.5	18.20	—	—	—	—	100	*	—
Muskingum (OH).....	272	142.5	35.57	.83	—	—	—	—	—	—	—	100	—	—
.....	300	169.0	40.32	2.78	1	298.8	17.29	—	—	—	—	100	*	—
Ohio Valley Electric Corp														
Kyger Creek (OH).....	253	105.8	27.32	2.63	1	341.9	19.53	.30	—	—	—	100	*	—
.....	253	105.8	27.32	2.63	1	341.9	19.53	.30	—	—	—	100	*	—
Oklahoma Gas & Electric Co														
Horseshoe Lake (OK).....	743	78.8	13.62	.31	—	—	—	—	8,046	213.3	2.21	61	—	39
Muskogee (OK).....	—	—	—	—	—	—	—	—	1,241	213.3	2.21	—	—	100
Mustang (OK).....	414	78.7	13.50	.27	—	—	—	—	79	213.3	2.21	99	—	1
Seminole (OK).....	—	—	—	—	—	—	—	—	1	213.3	2.21	—	—	100
Sooner (OK).....	—	—	—	—	—	—	—	—	6,725	213.3	2.21	—	—	100
.....	330	79.0	13.78	.35	—	—	—	—	—	—	—	100	—	—
Omaha Public Power District														
Nebraska City (NE).....	416	67.8	11.55	.27	—	—	—	—	20	235.8	2.32	100	—	*
North Omaha (NE).....	225	68.5	11.83	.21	—	—	—	—	—	—	—	100	—	—
.....	192	67.0	11.23	.35	—	—	—	—	20	235.8	2.32	99	—	1
Orange & Rockland Utils Inc														
Bowline (NY).....	66	179.6	47.39	.64	450	172.3	10.76	.31	2,231	194.1	2.01	25	41	34
Lovett (NY).....	—	—	—	—	450	172.3	10.76	.31	1,715	196.2	2.03	—	61	39
.....	66	179.6	47.39	.64	—	—	—	—	516	187.1	1.94	76	—	24
Orlando Utilities Comm														
Indian River (FL).....	150	165.3	42.46	1.12	3	235.6	15.09	1.00	347	256.7	2.71	91	*	9
Stanton Energy (FL).....	—	—	—	—	—	—	—	—	347	256.7	2.71	—	—	100
.....	150	165.3	42.46	1.12	3	235.6	15.09	1.00	—	—	—	99	1	—
Orrville City of														
Orrville (OH).....	14	97.8	22.87	3.38	—	—	—	—	—	—	—	100	—	—
.....	14	97.8	22.87	3.38	—	—	—	—	—	—	—	100	—	—
Otter Tail Power Co														
Big Stone (SD).....	221	98.2	17.40	.57	—	—	—	—	—	—	—	100	—	—
Hoot Lake (MN).....	183	92.6	16.23	.61	—	—	—	—	—	—	—	100	—	—
.....	38	123.4	23.07	.36	—	—	—	—	—	—	—	100	—	—
Owensboro City of														
Smith (KY).....	93	95.5	20.56	3.10	*	245.7	14.45	—	—	—	—	100	*	—
.....	93	95.5	20.56	3.10	*	245.7	14.45	—	—	—	—	100	*	—
Pacific Gas & Electric Co														
Contra Costa (CA).....	—	—	—	—	—	—	—	—	9,929	286.9	2.96	—	—	100
Humboldt Bay (CA).....	—	—	—	—	—	—	—	—	2,069	286.9	2.95	—	—	100
Hunters Point (CA).....	—	—	—	—	—	—	—	—	277	286.9	2.95	—	—	100
Pittsburg (CA).....	—	—	—	—	—	—	—	—	1,203	286.9	2.93	—	—	100
Potrero (CA).....	—	—	—	—	—	—	—	—	5,351	286.9	2.97	—	—	100
.....	—	—	—	—	—	—	—	—	1,029	286.9	2.93	—	—	100
PacifiCorp														
.....	2,990	96.4	18.43	.54	6	433.5	25.49	.30	283	247.5	2.59	99	*	1

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts (1,000 tons)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 bbls)	Average Cost ³		Avg. Sul- fur %	Receipts (1,000 Mcf)	Average Cost ³		Coal	Pe- tro- leum	Gas
		(Cents per 10 ⁶ Btu)	(\$ per short ton)			(Cents per 10 ⁶ Btu)	\$ per bbl			(Cents per 10 ⁶ Btu)	\$ per Mcf			
PacifiCorp														
Carbon (UT).....	42	65.7	16.24	0.48	—	—	—	—	—	—	—	100	—	—
Centralia (WA).....	485	123.5	20.35	.59	1	385.7	22.68	0.30	—	—	—	100	*	—
Emery-Hunter (UT).....	490	56.3	12.52	.45	—	—	—	—	—	—	—	100	—	—
Gadsby (UT).....	—	—	—	—	—	—	—	—	279	233.8	2.45	—	—	100
Huntington (UT).....	327	34.7	7.94	.43	1	448.2	26.35	.30	—	—	—	100	*	—
Jim Bridger (WY).....	817	158.0	29.81	.55	4	441.8	25.98	.30	—	—	—	100	*	—
Johnston (WY).....	379	49.4	7.84	.48	—	—	—	—	—	—	—	100	—	—
Naughton (WY).....	273	117.5	23.53	.76	—	—	—	—	5 2	1,071.2	11.18	100	—	*
Wyodak (WY).....	177	73.1	11.75	.63	—	—	—	—	—	—	—	100	—	—
Painesville City of	9	128.3	32.48	2.33	—	—	—	—	1	438.7	4.39	100	—	*
Painesville (OH).....	9	128.3	32.48	2.33	—	—	—	—	1	438.7	4.39	100	—	*
Pasadena City of	—	—	—	—	—	—	—	—	191	293.8	3.00	—	—	100
Broadway (CA).....	—	—	—	—	—	—	—	—	191	293.8	3.00	—	—	100
Pennsylvania Electric Co	1,476	110.2	26.54	2.19	240	282.6	16.48	.05	1	463.5	4.80	96	4	*
Conemaugh (PA).....	408	106.3	27.08	2.45	—	—	—	—	1	463.5	4.80	100	—	*
Homer City (PA).....	580	117.1	26.45	2.36	70	301.5	17.58	.05	—	—	—	97	3	—
Keystone (PA).....	307	101.5	25.17	1.80	—	—	—	—	—	—	—	100	—	—
Seward (PA).....	49	110.0	26.99	1.64	22	265.5	15.48	.05	—	—	—	90	10	—
Shawville (PA).....	120	114.2	27.95	1.79	66	282.0	16.44	.05	—	—	—	89	11	—
Warren (PA).....	12	122.1	30.89	1.74	83	271.8	15.84	.05	—	—	—	40	60	—
Pennsylvania Power & Light Co	700	141.9	36.28	1.70	7	275.2	16.03	.09	74	816.9	8.45	99	*	*
Brunner Island (PA).....	310	150.8	39.25	1.48	—	—	—	—	—	—	—	100	—	—
Holtwood (PA).....	6	135.0	29.14	1.15	—	—	—	—	—	—	—	100	—	—
Martins Creek (PA).....	30	73.7	19.45	1.79	—	—	—	—	74	816.9	8.45	91	—	9
Montour (PA).....	308	142.4	36.03	1.97	6	277.6	16.17	.08	—	—	—	100	*	—
Sunbury (PA).....	46	123.9	29.78	1.40	1	260.8	15.18	.13	—	—	—	99	1	—
Pennsylvania Power Co	578	153.8	37.11	3.24	*	318.7	18.52	.04	—	—	—	100	*	—
Bruce Mansfield (PA).....	521	158.2	38.15	3.41	—	—	—	—	—	—	—	100	—	—
New Castle (PA).....	58	114.7	27.74	1.69	*	318.7	18.52	.04	—	—	—	100	*	—
Philadelphia Electric Co	117	142.3	38.06	1.58	333	188.7	11.84	.44	93	212.3	2.20	59	39	2
Cromby (PA).....	35	141.2	37.70	1.58	67	190.2	12.16	.55	20	212.3	2.20	68	31	2
Eddystone (PA).....	82	142.8	38.21	1.58	266	188.3	11.76	.42	72	212.3	2.20	56	42	2
Plains Elec Gen&Trans Coop Inc	109	133.6	24.59	.88	—	—	—	—	—	—	—	100	—	—
Escalante (NM).....	109	133.6	24.59	.88	—	—	—	—	—	—	—	100	—	—
Platte River Power Authority	102	59.9	10.59	.29	—	—	—	—	—	—	—	100	—	—
Rawhide (CO).....	102	59.9	10.59	.29	—	—	—	—	—	—	—	100	—	—
Portland General Electric Co	193	108.9	18.37	.32	6	331.9	19.52	.05	3,379	190.4	1.92	49	1	51
Beaver (OR).....	—	—	—	—	—	—	—	—	2,245	200.2	2.02	—	—	100
Boardman (OR).....	193	108.9	18.37	.32	—	—	—	—	—	—	—	100	—	—
Coyote Springs (OR).....	—	—	—	—	6	331.9	19.52	.05	1,133	170.8	1.73	—	3	97
Potomac Edison Co	13	128.4	31.54	.97	*	321.1	19.02	.30	—	—	—	100	*	—
Smith (MD).....	13	128.4	31.54	.97	*	321.1	19.02	.30	—	—	—	100	*	—
Potomac Electric Power Co	477	154.5	40.40	1.35	215	215.2	13.54	.67	178	288.7	3.01	89	10	1
Chalk (MD).....	69	172.8	45.43	1.47	215	215.2	13.54	.67	178	288.7	3.01	54	40	6
Dickerson (MD).....	79	132.7	34.75	1.42	—	—	—	—	—	—	—	100	—	—
Morgantown (MD).....	254	156.8	40.94	1.45	—	—	—	—	—	—	—	100	—	—
Potomac River (VA).....	75	152.6	39.89	.84	—	—	—	—	—	—	—	100	—	—
Power Authority of State of NY	—	—	—	—	399	176.9	11.01	.26	777	460.1	4.66	—	76	24
Poletti (NY).....	—	—	—	—	399	176.9	11.01	.26	20	201.0	2.09	—	99	1
Richard Flynn (NY).....	—	—	—	—	—	—	—	—	757	467.0	4.73	—	—	100

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sul- fur %	Receipts	Average Cost ³		Avg. Sul- fur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Public Service Co of Colorado	813	90.2	17.31	0.39	—	—	—	—	577	336.1	3.32	96	—	4
Arapahoe (CO).....	63	84.3	14.46	.29	—	—	—	—	263	350.0	3.46	81	—	19
Cameo (CO).....	23	98.9	21.17	.57	—	—	—	—	2	315.0	3.12	100	—	*
Cherokee (CO).....	154	92.5	21.02	.46	—	—	—	—	118	372.0	3.68	97	—	3
Comanche (CO).....	168	80.0	13.73	.27	—	—	—	—	17	315.0	3.13	99	—	1
Hayden (CO).....	126	104.7	22.22	.42	—	—	—	—	—	—	—	100	—	—
Pawnee (CO).....	236	81.3	13.73	.39	—	—	—	—	1	312.0	3.27	100	—	*
Valmont (CO).....	43	111.1	25.42	.47	—	—	—	—	23	348.0	3.43	98	—	2
Zuni (CO).....	—	—	—	—	—	—	—	—	153	285.0	2.81	—	—	100
Public Service Co of NH	121	160.6	42.26	1.38	290	141.9	9.10	1.43	—	—	—	63	37	—
Merrimack (NH).....	82	165.5	43.79	1.73	*	312.6	18.09	.27	—	—	—	100	*	—
Newington Station (NH).....	—	—	—	—	290	141.8	9.10	1.43	—	—	—	—	100	—
Schiller (NH).....	39	150.0	39.03	.64	—	—	—	—	—	—	—	100	—	—
Public Service Co of NM	611	163.7	29.89	.84	14	440.4	25.16	1.00	114	352.9	3.59	98	1	1
Reeves (NM).....	—	—	—	—	—	—	—	—	114	352.9	3.59	—	—	100
San Juan (NM).....	611	163.7	29.89	.84	14	440.4	25.16	1.00	—	—	—	99	1	—
Public Service Co of Oklahoma	419	96.5	17.02	.19	—	—	—	—	4,514	230.7	2.41	61	—	39
Comanche (CS) (OK).....	—	—	—	—	—	—	—	—	1,299	243.9	2.57	—	—	100
Northeastern (OK).....	419	96.5	17.02	.19	—	—	—	—	781	228.1	2.33	90	—	10
Riverside (OK).....	—	—	—	—	—	—	—	—	1,577	227.3	2.37	—	—	100
Southwestern (OK).....	—	—	—	—	—	—	—	—	857	219.3	2.30	—	—	100
Public Service Electric & Gas Co	199	140.0	36.52	.82	1	258.8	15.53	.30	484	234.3	2.44	91	*	9
Bergen (NJ).....	—	—	—	—	—	—	—	—	248	234.3	2.46	—	—	100
Burlington (NJ).....	—	—	—	—	—	—	—	—	8	234.3	2.46	—	—	100
Hudson (NJ).....	99	139.3	35.04	.93	—	—	—	—	195	234.3	2.41	93	—	7
Linden (NJ).....	—	—	—	—	1	258.8	15.53	.30	—	—	—	—	100	—
Mercer (NJ).....	99	140.6	38.00	.70	—	—	—	—	14	234.3	2.46	99	—	1
Sewaren (NJ).....	—	—	—	—	—	—	—	—	19	234.3	2.44	—	—	100
PSI Energy Inc	1,281	108.5	24.17	1.87	87	285.5	16.43	.30	—	—	—	98	2	—
Cayuga (IN).....	224	106.5	23.37	1.45	—	—	—	—	—	—	—	100	—	—
Edwardsport (IN).....	33	91.5	20.06	1.92	*	114.1	6.57	.30	—	—	—	100	*	—
Gallagher (IN).....	107	106.4	27.67	2.07	5	273.6	15.74	.30	—	—	—	99	1	—
Gibson Station (IN).....	757	110.3	24.22	1.93	4	271.4	15.62	.30	—	—	—	100	*	—
Noblesville (IN).....	14	108.3	24.69	2.12	1	277.9	15.99	.30	—	—	—	99	1	—
Wabash River (IN).....	146	107.8	23.48	2.06	76	288.0	16.57	.30	—	—	—	88	12	—
Richmond City of	31	128.7	30.83	2.59	—	—	—	—	—	—	—	100	—	—
Whitewater (IN).....	31	128.7	30.83	2.59	—	—	—	—	—	—	—	100	—	—
Rochester City of	4	151.7	33.22	1.09	—	—	—	—	7	2 460.9	4.73	93	—	7
Silver Lake (MN).....	4	151.7	33.22	1.09	—	—	—	—	7	2 460.9	4.73	93	—	7
Rochester Gas & Electric Corp	56	149.1	38.94	2.25	—	—	—	—	—	—	—	100	—	—
Beebe Station 3 (NY).....	12	155.1	39.06	1.89	—	—	—	—	—	—	—	100	—	—
Russell Station 7 (NY).....	43	147.5	38.91	2.35	—	—	—	—	—	—	—	100	—	—
Ruston City of	—	—	—	—	—	—	—	—	120	189.6	1.97	—	—	100
Steam Plant (LA).....	—	—	—	—	—	—	—	—	120	189.6	1.97	—	—	100
S Mississippi Elec Pwr Assn	117	171.4	42.05	.98	—	—	—	—	673	215.0	2.22	81	—	19
Moselle (MS).....	—	—	—	—	—	—	—	—	673	215.0	2.22	—	—	100
R D Morrow (MS).....	117	171.4	42.05	.98	—	—	—	—	—	—	—	100	—	—
Sacramento Municipal Utility	—	—	—	—	—	—	—	—	2,075	228.4	2.28	—	—	100
Central Valley (CA).....	—	—	—	—	—	—	—	—	408	224.7	2.25	—	—	100
SCA Cogen Proj (CA).....	—	—	—	—	—	—	—	—	771	230.7	2.31	—	—	100
SPA Cogen Proj (CA).....	—	—	—	—	—	—	—	—	896	228.2	2.28	—	—	100
Salt River Proj Ag I & P Dist	821	146.5	31.08	.49	4	418.6	24.97	.38	1,746	228.4	2.32	91	*	9

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Salt River Proj Ag I & P Dist														
Agua Fria (AZ).....	—	—	—	—	—	—	—	—	880	227.9	2.31	—	—	100
Coronado (AZ).....	218	195.7	38.12	0.42	4	418.6	24.97	0.38	—	351.9	3.60	99	1	—
Kyrene (AZ).....	—	—	—	—	—	—	—	—	50	—	—	—	—	100
Navajo (AZ).....	603	130.6	28.53	.51	—	—	—	—	—	—	—	100	—	—
Santan (AZ).....	—	—	—	—	—	—	—	—	817	221.5	2.26	—	—	100
San Antonio City of	456	92.6	15.54	.35	—	—	—	—	775	194.0	1.97	91	—	9
Braunig (TX).....	—	—	—	—	—	—	—	—	412	194.0	1.95	—	—	100
JT Deely/Spruce (TX).....	456	92.6	15.54	.35	—	—	—	—	2	194.0	1.97	100	—	*
Sommers (TX).....	—	—	—	—	—	—	—	—	321	194.0	1.98	—	—	100
Turtle (TX).....	—	—	—	—	—	—	—	—	40	194.0	1.96	—	—	100
San Diego Gas & Electric Co.	—	—	—	—	—	—	—	—	3,337	293.4	2.99	—	—	100
Encina (CA).....	—	—	—	—	—	—	—	—	1,796	291.1	2.96	—	—	100
South Bay (CA).....	—	—	—	—	—	—	—	—	1,541	296.0	3.01	—	—	100
San Miguel Electric Coop Inc.	340	67.0	7.04	1.73	—	—	—	—	—	—	—	100	—	—
San Miguel (TX).....	340	67.0	7.04	1.73	—	—	—	—	—	—	—	100	—	—
Savannah Electric & Power Co.	42	142.9	30.19	.92	*	286.3	16.59	.50	14	206.2	2.11	98	*	2
Kraft (GA).....	—	—	—	—	—	—	—	—	14	206.2	2.11	—	—	100
McIntosh (GA).....	42	142.9	30.19	.92	*	286.3	16.59	.50	—	—	—	100	*	—
Seminole Electric Coop Inc.	260	173.5	43.45	3.16	3	274.2	15.96	.15	—	—	—	100	*	—
Seminole (FL).....	260	173.5	43.45	3.16	3	274.2	15.96	.15	—	—	—	100	*	—
Sierra Pacific Power Co.	109	149.4	34.64	.49	—	—	—	—	2,161	142.1	1.49	53	—	47
Fort Churchill (NV).....	—	—	—	—	—	—	—	—	687	142.1	1.52	—	—	100
North Valmy (NV).....	109	149.4	34.64	.49	—	—	—	—	—	—	—	100	—	—
Pinon Pine (NV).....	—	—	—	—	—	—	—	—	524	142.1	1.47	—	—	100
Tracy (NV).....	—	—	—	—	—	—	—	—	950	142.1	1.47	—	—	100
Sikeston City of	119	98.2	17.20	.36	—	—	—	—	—	—	—	100	—	—
Sikeston (MO).....	119	98.2	17.20	.36	—	—	—	—	—	—	—	100	—	—
South Carolina Electric & Gas Co.	475	155.7	39.75	1.16	18	275.7	16.01	.20	3	395.3	4.05	99	1	*
Canadys (SC).....	105	156.0	39.95	1.26	—	—	—	—	1	521.1	5.34	100	—	*
Cope (SC).....	85	155.3	39.44	1.17	—	—	—	—	—	—	—	100	—	—
Memeekin (SC).....	56	151.5	39.79	1.31	—	—	—	—	—	—	—	100	—	—
Urguhart (SC).....	38	149.9	38.28	1.30	—	—	—	—	2	350.1	3.59	100	—	*
Wateree (SC).....	110	154.3	38.35	1.28	10	284.9	16.57	.20	—	—	—	98	2	—
Williams (SC).....	81	163.0	42.37	.70	8	264.0	15.30	.20	*	424.9	4.35	98	2	*
South Carolina Pub Serv Auth.	547	134.7	34.53	1.18	—	—	—	—	—	—	—	100	—	—
Cross (SC).....	274	134.0	34.17	1.08	—	—	—	—	—	—	—	100	—	—
Grainger (SC).....	9	152.3	39.52	1.96	—	—	—	—	—	—	—	100	—	—
Jefferies (SC).....	60	132.9	35.17	1.74	—	—	—	—	—	—	—	100	—	—
Winyah (SC).....	204	135.4	34.62	1.10	—	—	—	—	—	—	—	100	—	—
Southern California Edison Co.	475	112.9	24.62	.53	32	223.9	13.62	—	4	942.9	9.81	98	2	*
Mohave (NV).....	475	112.9	24.62	.53	—	—	—	—	4	942.9	9.81	100	—	*
Storage Facility #1.....	—	—	—	—	32	223.9	13.62	—	—	—	—	—	100	—
Southern Illinois Power Coop	57	105.9	24.69	3.24	1	272.5	15.53	—	—	—	—	100	*	—
Marion (IL).....	57	105.9	24.69	3.24	1	272.5	15.53	—	—	—	—	100	*	—
Southern Indiana Gas & Elec Co.	203	92.3	21.09	3.66	—	—	—	—	38	347.0	3.60	99	—	1
A B Brown (IN).....	82	92.4	21.13	3.87	—	—	—	—	20	293.6	3.05	99	—	1
Culley (IN).....	102	92.0	21.16	3.72	—	—	—	—	4	320.4	3.33	100	—	*
Warrick (IN).....	19	93.4	20.57	2.45	—	—	—	—	14	433.6	4.50	97	—	3
Southwestern Electric Power Co.	1,026	129.6	20.81	.74	—	—	—	—	1,691	194.6	2.03	90	—	10
Arsenal Hill (LA).....	—	—	—	—	—	—	—	—	114	201.1	2.74	—	—	100

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu			
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas	
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Southwestern Electric Power Co															
Flint Creek (AR)	295	158.9	26.87	0.40	—	—	—	—	—	—	—	—	100	—	—
Knox Lee (TX)	—	—	—	—	—	—	—	—	—	296	206.8	2.13	—	—	100
Lieberman (LA)	—	—	—	—	—	—	—	—	—	94	195.6	2.00	—	—	100
Pirkey (TX)	284	125.4	17.02	1.55	—	—	—	—	—	27	191.9	1.92	99	—	1
Welsh Station (TX)	447	112.5	19.22	.45	—	—	—	—	—	—	—	—	100	—	—
Wilkes (TX)	—	—	—	—	—	—	—	—	—	1,159	190.6	1.94	—	—	100
Southwestern Public Service Co															
Cunningham (NM)	699	108.5	19.35	.38	—	—	—	—	—	4,674	198.8	2.00	73	—	27
Harrington (TX)	400	101.4	18.54	.39	—	—	—	—	—	1,285	199.4	2.02	—	—	100
Jones (TX)	—	—	—	—	—	—	—	—	—	7	259.0	2.58	100	—	*
Maddox (NM)	—	—	—	—	—	—	—	—	—	898	197.7	2.00	—	—	100
Nichols (TX)	—	—	—	—	—	—	—	—	—	681	205.7	2.07	—	—	100
Plant X (TX)	—	—	—	—	—	—	—	—	—	889	196.4	1.93	—	—	100
Tolk (TX)	299	118.6	20.43	.36	—	—	—	—	—	908	195.0	1.97	—	—	100
Springfield City of	145	106.6	18.68	.39	—	—	—	—	—	6	259.0	2.68	100	—	*
James River (MO)	59	109.5	19.21	.41	—	—	—	—	—	54	215.9	2.19	98	—	2
Southwest (MO)	86	104.6	18.32	.38	—	—	—	—	—	8	211.4	2.14	99	—	1
Springfield City of	103	120.1	24.92	2.68	—	—	—	—	—	46	216.7	2.19	97	—	3
Dallman (IL)	99	120.1	24.93	2.66	—	—	—	—	—	—	—	—	100	—	—
Lakeside (IL)	3	119.1	24.83	3.12	—	—	—	—	—	—	—	—	100	—	—
St Joseph Light & Power Co															
Lakeroad (MO)	36	93.0	17.78	.36	*	301.0	17.45	0.05	68	281.1	2.81	91	*	9	9
Sunflower Electric Coop Inc.	144	108.0	18.24	.31	—	—	—	—	10	226.0	2.23	100	—	*	*
Holcomb (KS)	144	108.0	18.24	.31	—	—	—	—	10	226.0	2.23	100	—	*	*
Tallahassee City of															
Hopkins (FL)	—	—	—	—	—	—	—	—	1,270	282.0	2.99	—	—	—	100
Purdum (FL)	—	—	—	—	—	—	—	—	1,227	282.0	2.99	—	—	—	100
Tampa Electric Co ⁶	894	144.0	32.75	2.15	46	279.2	16.20	.04	43	282.0	2.98	—	—	—	100
Big Bend (FL)	—	—	—	—	4	270.8	15.70	.04	—	—	—	—	99	1	—
Davant Transfer (LA)	860	139.4	31.54	2.19	—	—	—	—	—	—	—	—	100	—	—
Gannon (FL)	34	249.1	63.52	1.13	2	269.2	15.60	.20	—	—	—	—	99	1	—
Hookers Point (FL)	—	—	—	—	*	270.1	15.65	.20	—	—	—	—	—	100	—
Polk Station (FL)	—	—	—	—	40	280.5	16.27	.03	—	—	—	—	—	100	—
Taunton City of															
Cleary (MA)	—	—	—	—	23	187.7	11.97	1.00	—	—	—	—	—	100	—
Tennessee Valley Authority ⁷	3,719	112.7	26.21	2.00	40	275.7	16.20	.50	—	—	—	—	100	*	—
Bull Run (TN)	100	116.4	29.26	1.33	13	250.8	14.74	.50	—	—	—	—	97	3	—
Cahokia (AL)	79	117.7	27.14	.40	—	—	—	—	—	—	—	—	100	—	—
Colbert (AL)	111	107.9	25.89	2.06	—	—	—	—	—	—	—	—	100	—	—
Cora Transfer (TN)	225	112.1	24.22	.51	—	—	—	—	—	—	—	—	100	—	—
Cumberland (TN)	694	109.4	25.88	2.77	20	287.8	16.91	.50	—	—	—	—	99	1	—
GRT Terminal (TN)	719	109.3	24.93	1.28	—	—	—	—	—	—	—	—	100	—	—
Johnsonville (TN)	131	106.5	26.19	1.68	—	—	—	—	—	—	—	—	100	—	—
Kingston (TN)	408	127.5	31.95	1.36	1	260.2	15.29	.50	—	—	—	—	100	*	—
Paradise (KY)	513	95.8	20.45	4.44	2	277.4	16.30	.50	—	—	—	—	100	*	—
Sevier (TN)	174	126.3	32.25	1.62	—	—	—	—	—	—	—	—	100	—	—
Shawnee (KY)	330	120.0	26.46	.75	3	333.7	19.61	.50	—	—	—	—	100	*	—
Widows Creek (AL)	234	121.8	29.37	2.20	3	253.3	14.88	.50	—	—	—	—	100	*	—
Terrabonne Parrish Con.															
Houma (LA)	—	—	—	—	—	—	—	—	55	212.1	2.26	—	—	—	100
Texas Municipal Power Agency	141	119.8	20.20	.29	—	—	—	—	16	240.0	2.44	99	—	—	1
Gibbons Creek (TX)	141	119.8	20.20	.29	—	—	—	—	16	240.0	2.44	99	—	—	1

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
	(1,000 tons)	(Cents per 10 ⁶ Btu)	(\$ per short ton)		(1,000 bbls)	(Cents per 10 ⁶ Btu)	\$ per bbl		(1,000 Mcf)	(Cents per 10 ⁶ Btu)	\$ per Mcf			
Texas Utilities Electric Co. ⁸	2,936	114.1	14.70	0.83	12	250.6	14.53	—	23,401	249.4	2.54	61	*	39
Big Brown (TX)	365	130.1	17.29	.70	—	—	—	—	106	249.4	2.57	98	—	2
Collin (TX)	—	—	—	—	—	—	—	—	122	249.4	2.53	—	—	100
Decordova (TX)	—	—	—	—	—	—	—	—	2,944	249.4	2.56	—	—	100
Eagle Mountain (TX)	—	—	—	—	—	—	—	—	420	249.4	2.54	—	—	100
Graham (TX)	—	—	—	—	—	—	—	—	1,522	249.4	2.52	—	—	100
Handley (TX)	—	—	—	—	—	—	—	—	1,667	249.4	2.55	—	—	100
Lake Creek (TX)	—	—	—	—	—	—	—	—	476	249.4	2.57	—	—	100
Lake Hubbard (TX)	—	—	—	—	—	—	—	—	1,484	249.4	2.58	—	—	100
Martin Lake (TX)	1,164	105.7	13.45	1.10	11	250.4	14.51	—	—	—	—	100	*	—
Monticello (TX)	1,072	116.9	15.01	.46	1	253.1	14.67	—	—	—	—	100	*	—
Morgan Creek (TX)	—	—	—	—	—	—	—	—	2,620	249.4	2.52	—	—	100
Mountain Creek (TX)	—	—	—	—	—	—	—	—	1,036	249.4	2.51	—	—	100
North Lake (TX)	—	—	—	—	—	—	—	—	869	249.4	2.53	—	—	100
Parkdale (TX)	—	—	—	—	—	—	—	—	213	249.4	2.56	—	—	100
Permian Basin (TX)	—	—	—	—	—	—	—	—	2,393	249.4	2.54	—	—	100
Sandow No 4 (TX)	335	116.0	15.26	1.20	—	—	—	—	—	—	—	100	—	—
Stryker (TX)	—	—	—	—	—	—	—	—	1,463	249.4	2.58	—	—	100
Tradinghouse (TX)	—	—	—	—	—	—	—	—	3,718	249.4	2.54	—	—	100
Trinidad (TX)	—	—	—	—	—	—	—	—	334	249.4	2.55	—	—	100
Valley (TX)	—	—	—	—	—	—	—	—	2,015	249.4	2.52	—	—	100
Texas-New Mexico Power Co.	179	141.7	19.65	.89	—	—	—	—	43	166.0	1.68	98	—	2
TNP One (Tx)	179	141.7	19.65	.89	—	—	—	—	43	166.0	1.68	98	—	2
Toledo Edison Co.	159	117.0	20.53	.31	1	291.8	16.92	0.39	—	—	—	100	*	—
Bay Shore (OH)	159	117.0	20.53	.31	1	291.8	16.92	.39	—	—	—	100	*	—
Tri State Gen & Trans Assn, Inc.	428	106.1	21.51	.37	—	—	—	—	6	276.0	3.06	100	—	*
Craig (CO)	399	105.6	21.32	.34	—	—	—	—	6	276.0	3.06	100	—	*
Nucla (CO)	30	112.3	24.07	.87	—	—	—	—	—	—	—	100	—	—
Tucson Electric Power Co.	230	129.4	24.36	.80	3	335.7	20.03	.05	151	256.6	2.64	96	*	3
Irrington (AZ)	21	210.7	47.50	.46	—	—	—	—	151	256.6	2.64	75	—	25
Springerville (AZ)	209	119.5	22.05	.83	3	335.7	20.03	.05	—	—	—	100	*	—
Union Electric Co.	1,619	94.5	16.58	.31	3	252.5	14.53	.29	84	205.2	2.11	100	*	*
Labadie (MO)	717	92.9	16.29	.25	3	252.5	14.53	.29	—	—	—	100	*	—
Meramec (MO)	142	120.4	22.52	.44	—	—	—	—	82	204.9	2.10	97	—	3
Rush Island (MO)	439	89.8	15.24	.32	—	—	—	—	—	—	—	100	—	—
Sioux (MO)	321	92.3	16.45	.36	—	—	—	—	—	—	—	100	—	—
Venice No.2 (IL)	—	—	—	—	—	—	—	—	2	217.4	2.23	—	—	100
United Illuminating Co.	62	180.8	46.87	.57	559	194.6	12.46	.99	—	—	—	31	69	—
Bridgeport Harbor (CT)	62	180.8	46.87	.57	354	198.3	12.70	.99	—	—	—	41	59	—
New Haven Hbr (CT)	—	—	—	—	205	188.2	12.05	.99	—	—	—	—	100	—
United Power Assn	88	75.7	10.33	.68	*	303.1	17.44	.40	—	—	—	100	*	—
Stanton (ND)	88	75.7	10.33	.68	*	303.1	17.44	.40	—	—	—	100	*	—
UtiliCorp United Inc	137	94.0	18.39	.39	—	—	—	—	—	—	—	100	—	—
Sibley (MO)	137	94.0	18.39	.39	—	—	—	—	—	—	—	100	—	—
Vero Beach City of	—	—	—	—	—	—	—	—	40	190.0	2.01	—	—	100
Vero Beach (FL)	—	—	—	—	—	—	—	—	40	190.0	2.01	—	—	100
Vineland City of	2	193.0	49.57	.78	1	236.0	13.88	.19	—	—	—	86	14	—
H M Down (NJ)	2	193.0	49.57	.78	1	236.0	13.88	.19	—	—	—	86	14	—
Virginia Electric & Power Co.	1,120	128.4	32.15	1.26	74	161.1	10.11	.68	757	384.9	4.03	96	2	3
Bremo Bluff (VA)	52	140.0	34.56	.76	—	—	—	—	—	—	—	100	—	—
Chesapeake Energy (VA)	156	142.4	36.72	1.01	—	—	—	—	—	—	—	100	—	—
Chesterfield (VA)	181	139.5	35.42	1.09	—	—	—	—	711	383.5	4.02	86	—	14
Clover (VA)	192	117.7	29.49	.98	—	—	—	—	—	—	—	100	—	—

See notes and footnotes at end of table.

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

Utility (Holding Company) Plant (State)	Coal				Petroleum ¹				Gas			% of Total Btu		
	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Avg. Sulfur %	Receipts	Average Cost ³		Coal	Petroleum	Gas
		(1,000 tons)	(Cents per 10 ⁶ Btu)			(1,000 bbls)	(Cents per 10 ⁶ Btu)			(1,000 Mcf)	(Cents per 10 ⁶ Btu)			
Virginia Electric & Power Co														
Mount Storm (WV).....	361	113.1	27.76	1.77	3	303.1	17.82	0.20	—	—	—	100	*	—
Possum Point (VA).....	115	141.4	34.68	.88	72	156.5	9.84	.70	—	—	—	86	14	—
Yorktown (VA).....	63	144.9	38.06	1.42	—	—	—	—	46	408.0	4.21	97	—	3
West Penn Power Co.	328	130.8	33.29	2.40	1	288.8	17.10	.30	1	443.5	4.43	100	*	*
Armstrong (PA).....	68	105.5	26.56	1.98	*	231.1	13.69	.30	—	—	—	100	*	—
Hatfield (PA).....	209	140.9	36.23	2.31	1	251.3	14.88	.30	—	—	—	100	*	—
Mitchell (PA).....	52	122.0	30.28	3.32	*	464.5	27.51	.30	1	443.5	4.43	100	*	*
West Texas Utilities Co.	239	128.2	21.61	.39	—	—	—	—	2,767	209.3	2.10	59	—	41
Fort Phantom (TX).....	—	—	—	—	—	—	—	—	946	220.9	2.25	—	—	100
Oak Creek (TX).....	—	—	—	—	—	—	—	—	165	238.5	2.50	—	—	100
Oklaunion (TX).....	239	128.2	21.61	.39	—	—	—	—	—	—	—	100	—	—
Paint Creek (TX).....	—	—	—	—	—	—	—	—	406	204.9	2.06	—	—	100
Rio Pecos (TX).....	—	—	—	—	—	—	—	—	557	191.8	1.92	—	—	100
San Angelo (TX).....	—	—	—	—	—	—	—	—	692	202.6	1.99	—	—	100
Western Farmers Elec Coop Inc	116	99.0	17.36	.36	—	—	—	—	1,124	216.1	2.22	64	—	36
Anadarko (OK).....	—	—	—	—	—	—	—	—	1,015	216.1	2.22	—	—	100
Hugo (OK).....	116	99.0	17.36	.36	—	—	—	—	—	—	—	100	—	—
Mooreland (OK).....	—	—	—	—	—	—	—	—	109	216.1	2.28	—	—	100
Western Massachusetts Elec Co	—	—	—	—	40	195.2	12.42	.61	—	—	—	—	100	—
West Springfield (MA).....	—	—	—	—	40	195.2	12.42	.61	—	—	—	—	100	—
WestPlains Energy	—	—	—	—	—	—	—	—	639	215.8	2.19	—	—	100
Cimarron River (KS).....	—	—	—	—	—	—	—	—	22	226.0	2.26	—	—	100
Large (KS).....	—	—	—	—	—	—	—	—	358	219.3	2.23	—	—	100
Mullergren (KS).....	—	—	—	—	—	—	—	—	259	210.0	2.14	—	—	100
Wisconsin Electric Power Co	942	103.8	20.40	.55	1	357.6	20.94	.23	121	279.4	2.88	99	*	1
Oak Creek (WI).....	183	131.0	29.91	.82	—	—	—	—	85	271.4	2.80	98	—	2
Pleasant Prairie (WI).....	436	71.8	12.11	.34	—	—	—	—	25	282.9	2.91	100	—	*
Port Washington (WI).....	55	135.5	35.29	1.01	—	—	—	—	6	337.7	3.43	100	—	*
Presque Isle (MI).....	211	106.5	20.41	.34	1	357.6	20.94	.23	—	—	—	100	*	—
Valley (WI).....	57	147.7	39.04	1.54	—	—	—	—	5	333.1	3.39	100	—	*
Wisconsin Power & Light Co	629	96.4	16.32	.34	1	314.8	18.51	—	—	—	—	100	*	—
Columbia (WI).....	388	89.9	15.17	.36	1	298.4	17.55	—	—	—	—	100	*	—
Edgewater (WI).....	218	105.4	17.77	.31	—	—	—	—	—	—	—	100	—	—
Rock River (WI).....	23	118.1	22.06	.38	*	436.1	25.64	—	—	—	—	100	*	—
Wisconsin Public Service Corp	348	99.3	17.58	.22	—	—	—	—	31	238.5	2.42	100	—	*
Pulliam (WI).....	131	96.0	17.01	.19	—	—	—	—	25	238.6	2.42	99	—	1
Weston (WI).....	217	101.2	17.92	.24	—	—	—	—	6	238.3	2.42	100	—	*
Wyandotte Municipal Serv Comm	17	149.4	37.31	.85	—	—	—	—	—	—	—	100	—	—
Wyandotte (MI).....	17	149.4	37.31	.85	—	—	—	—	—	—	—	100	—	—
U.S. Total	79,658	121.1	24.70	1.03	13,599	183.5	11.61	1.02	174,699	2 231.0	2.36	86	5	9

¹ The December 1998 petroleum coke receipts were 215,593 short tons and the cost was 72.3 cents per million Btu.

² Monetary values are expressed in nominal terms.

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

⁴ Most coal destined for the Barry plant is reported by the Alabama Power Company as it is received at the Gorgas Transshipping Facility.

⁵ The cost reported under IMT Transfer (Louisiana) is the weighted average cost of coal delivered to this facility. Florida Power Corporation incurs additional costs for transporting coal from the transfer facility to the Crystal River power plant. These additional costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.

⁶ The cost reported under Davant Transfer (Louisiana) is the weighted average cost of coal delivered to this facility located in Louisiana. The Tampa Electric Company incurs additional costs for transporting this coal from Davant to its power plants which are located in Florida. These costs are not included in data shown in this report. When aggregated at the State level, data for this transfer facility are shown as though the coal were delivered to Florida.

⁷ Coal reported as delivered to the Cahokia, Cora, and GRT transfer facilities is later transferred to individual electric plants located in Alabama, Kentucky, and Tennessee. The cost of transportation from these facilities to the electric plants is not included in the costs shown in this report. Coal delivered to Cahokia is later transferred primarily to the Colbert and Widows Creek plants in Alabama. Approximately 90 percent of the coal delivered to the Cora facility is transferred to the Allen plant. Most of the remaining coal is transferred to the Paradise plant. All coal delivered to the Cora facility is shown

in this report as being delivered to Tennessee. Approximately 60 percent of the coal delivered to the GRT facility is later delivered to the Gallatin plant. Widdows Creek, Johnsonville, Paradise, and Cumberland each receive approximately 8 percent. Colbert and Shawnee each receive approximately 4 percent. All coal delivered to GRT is shown in this report as being delivered to Tennessee.

⁸ Data for Texas Utilities Electric Company include lignite delivered for the Aluminium Company of America (ALCOA) portion of Unit 4 of the Sandow Plant.

* Less than 0.05.

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

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

Annual Plant Aggregates: Net Generation, Fuel Consumption, and Fuel Stocks

Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, 1998

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
A&N Elec Coop.....	—	555	—	—	—	—	—	1	—	—	10
Smith (MD).....	—	197	—	—	—	—	—	1	—	—	1
Tangier (VA).....	—	358	—	—	—	—	—	1	—	—	9
Abbeville (City of).....	—	30	—	8,073	—	—	—	*	—	—	*
Abbeville (SC).....	—	30	—	8,073	—	—	—	*	—	—	*
Adrian (City of).....	—	—	—	—	—	—	—	—	—	—	—
Adrian (MN).....	—	—	—	—	—	—	—	—	—	—	—
Aitkin (City of).....	—	44	—	—	—	—	—	*	—	—	*
Aitkin (MN).....	—	44	—	—	—	—	—	*	—	—	*
Alabama Elec Coop Inc.....	3,515,609	14,202	668,992	24,240	—	—	1,557	30	6,177	178	31
Gantt (AL).....	—	—	—	8,279	—	—	—	—	—	—	—
Lowman (AL).....	3,515,609	—	—	—	—	—	1,557	—	—	178	—
McIntosh-CAES (AL).....	—	14,142	288,421	—	—	—	—	29	2,985	—	17
McWilliams (AL).....	—	—	380,571	—	—	—	—	*	3,192	—	13
Point A (AL).....	—	—	—	15,961	—	—	—	—	—	—	—
Portland (FL).....	—	60	—	—	—	—	—	1	—	—	*
Alabama Power Co.....	53,749,237	102,461	1,239,155	4,855,355	11,502,571	—	23,555	187	13,780	2,068	141
Bankhead Dam (AL).....	—	—	—	160,873	—	—	—	—	—	—	—
Barry (AL).....	10,423,444	83	51,807	—	—	—	4,182	*	654	304	5
Chickasaw (AL).....	—	183	61,196	—	—	—	—	*	803	—	*
Farley (AL).....	—	—	—	—	11,502,571	—	—	—	—	—	—
Gadsden New (AL).....	424,417	51	22,591	—	—	—	237	*	316	9	1
Gaston, E C (AL).....	10,880,848	34,507	—	—	—	—	4,437	60	—	345	12
Gorgas (AL).....	8,465,286	10,814	—	—	—	—	3,422	18	—	455	4
Greene County (AL).....	3,777,495	55,755	1,019,221	—	—	—	1,681	106	11,203	112	103
H Neely Henry Dam (AL).....	—	—	—	225,738	—	—	—	—	—	—	—
Harris (AL).....	—	—	—	199,895	—	—	—	—	—	—	—
Holt Dam (AL).....	—	—	—	154,463	—	—	—	—	—	—	—
Jordan (AL).....	—	—	—	343,990	—	—	—	—	—	—	—
Lay Dam (AL).....	—	—	—	676,313	—	—	—	—	—	—	—
Lewis Smith Dam (AL).....	—	—	—	291,010	—	—	—	—	—	—	—
Logan Martin Dam (AL).....	—	—	—	433,264	—	—	—	—	—	—	—
Martin Dam (AL).....	—	—	—	418,123	—	—	—	—	—	—	—
Miller (AL).....	19,777,747	1,068	84,340	—	—	—	9,595	2	803	842	16
Mitchell Dam (AL).....	—	—	—	556,250	—	—	—	—	—	—	—
Thurlow Dam (AL).....	—	—	—	223,590	—	—	—	—	—	—	—
Walter Bouldin Dam (AL).....	—	—	—	758,290	—	—	—	—	—	—	—
Weiss Dam (AL).....	—	—	—	255,118	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Alabama Power Co											
Yates Dam (AL).....	—	—	—	158,438	—	—	—	—	—	—	—
Alaska Elec Lgt & Pwr Co.....	—	876	—	56,280	—	—	—	3	—	—	7
Annex Creek (AK).....	—	—	—	27,564	—	—	—	—	—	—	—
Auke Bay (AK).....	—	257	—	—	—	—	—	1	—	—	2
Gold Creek (AK).....	—	33	—	4,590	—	—	—	*	—	—	—
Lemon Creek (AK).....	—	586	—	—	—	—	—	1	—	—	4
Salmon Creek (AK).....	—	—	—	—	—	—	—	—	—	—	—
Salmon Creek 2 (AK).....	—	—	—	24,126	—	—	—	—	—	—	—
Alaska Power Admn.....	—	—	—	151,746	—	—	—	—	—	—	—
Eklutna (AK).....	—	—	—	—	—	—	—	—	—	—	—
Snettisham (AK).....	—	—	—	151,746	—	—	—	—	—	—	—
Alaska Pwr & Tel Co.....	—	17,382	—	9,275	—	—	—	29	—	—	2
Chistochina (AK).....	—	272	—	—	—	—	—	1	—	—	*
Coffman Cove (AK).....	—	1,243	—	—	—	—	—	2	—	—	*
Craig (AK).....	—	19	—	—	—	—	—	*	—	—	*
Dot Lake (AK).....	—	—	—	—	—	—	—	—	—	—	—
Eagle (AK).....	—	725	—	—	—	—	—	1	—	—	1
Healy Lake (AK).....	—	103	—	—	—	—	—	*	—	—	*
Hollis (AK).....	—	489	—	—	—	—	—	1	—	—	*
Hydaburg (AK).....	—	1,549	—	—	—	—	—	3	—	—	*
Mentasta (AK).....	—	368	—	—	—	—	—	1	—	—	*
Skagway (AK).....	—	949	—	9,275	—	—	—	2	—	—	*
Tetlin (AK).....	—	341	—	—	—	—	—	1	—	—	—
Tok (AK).....	—	11,324	—	—	—	—	—	18	—	—	*
Alaska Village Elec Coop.....	—	52,765	—	—	—	—	—	98	—	—	58
Alakanuk (AK).....	—	1,349	—	—	—	—	—	3	—	—	2
Ambler (AK).....	—	1,049	—	—	—	—	—	2	—	—	1
Anvik (AK).....	—	412	—	—	—	—	—	1	—	—	1
Brevig Mission (AK).....	—	493	—	—	—	—	—	1	—	—	1
Chevak (AK).....	—	1,540	—	—	—	—	—	3	—	—	2
Eek (AK).....	—	577	—	—	—	—	—	1	—	—	1
Elim (AK).....	—	789	—	—	—	—	—	1	—	—	1
Ermonak (AK).....	—	2,340	—	—	—	—	—	4	—	—	3
Gambell (AK).....	—	1,898	—	—	—	—	—	3	—	—	2
Goodnews Bay (AK).....	—	606	—	—	—	—	—	1	—	—	1
Grayling (AK).....	—	516	—	—	—	—	—	1	—	—	1
Holy Cross (AK).....	—	743	—	—	—	—	—	1	—	—	1
Hooper Bay (AK).....	—	2,095	—	—	—	—	—	4	—	—	2
Huslia (AK).....	—	646	—	—	—	—	—	1	—	—	1
Kaltag (AK).....	—	662	—	—	—	—	—	1	—	—	2
Kiana (AK).....	—	1,359	—	—	—	—	—	3	—	—	2
Kivalina (AK).....	—	1,027	—	—	—	—	—	2	—	—	1
Koyuk (AK).....	—	115	—	—	—	—	—	1	—	—	1
Lower Kalskag (AK).....	—	1,028	—	—	—	—	—	2	—	—	2
Marshall (AK).....	—	867	—	—	—	—	—	2	—	—	1
Mekoryuk (AK).....	—	750	—	—	—	—	—	1	—	—	1
Minto (AK).....	—	668	—	—	—	—	—	1	—	—	*
Mountain Village (AK).....	—	2,298	—	—	—	—	—	5	—	—	2
New Stuyahok (AK).....	—	1,059	—	—	—	—	—	2	—	—	1
Noatak (AK).....	—	1,267	—	—	—	—	—	2	—	—	1
Noorvik (AK).....	—	1,646	—	—	—	—	—	3	—	—	2
Nulato (AK).....	—	1,100	—	—	—	—	—	2	—	—	2
Nunapitchuk (AK).....	—	2,185	—	—	—	—	—	4	—	—	2
Old Harbor (AK).....	—	723	—	—	—	—	—	1	—	—	1
Pilot Station (AK).....	—	1,129	—	—	—	—	—	2	—	—	1
Quinhagak (AK).....	—	1,202	—	—	—	—	—	2	—	—	1
Russian Mission (AK).....	—	639	—	—	—	—	—	1	—	—	*
Savoonga (AK).....	—	1,471	—	—	—	—	—	2	—	—	1
Scammon Bay (AK).....	—	957	—	—	—	—	—	2	—	—	1
Selawik (AK).....	—	2,080	—	—	—	—	—	4	—	—	2
Shageluk (AK).....	—	318	—	—	—	—	—	1	—	—	1
Shaktolik (AK).....	—	764	—	—	—	—	—	1	—	—	1

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Alaska Village Elec Coop											
Shishmaref (AK).....	—	1,429	—	—	—	—	—	3	—	—	1
Shungnak (AK).....	—	1,250	—	—	—	—	—	2	—	—	2
St Marys (AK).....	—	2,799	—	—	—	—	—	5	—	—	3
St Michael (AK).....	—	946	—	—	—	—	—	2	—	—	1
Stebbins (AK).....	—	1,229	—	—	—	—	—	2	—	—	1
Togiak (AK).....	—	2,264	—	—	—	—	—	4	—	—	2
Toksook Bay (AK).....	—	1,145	—	—	—	—	—	2	—	—	1
Tununak (AK).....	—	750	—	—	—	—	—	1	—	—	1
Wales (AK).....	—	586	—	—	—	—	—	1	—	—	1
Albany (City of).....	—	277	—	—	—	—	—	*	—	—	*
Albany (MO).....	—	277	—	—	—	—	—	*	—	—	*
Alexandria (City of).....	—	—	—	—	—	—	—	—	—	—	—
Alexandria (MN).....	—	—	—	—	—	—	—	—	—	—	—
Alexandria (City of).....	—	—	179,695	—	—	—	—	—	2,166	—	10
D G Hunter (LA).....	—	—	179,695	—	—	—	—	—	2,166	—	10
Algona (City of).....	—	1,095	—	—	—	—	—	1	—	—	4
Algona (IA).....	—	1,095	—	—	—	—	—	1	—	—	4
Allegheny Electric Coop.....	—	—	—	93,540	—	—	—	—	—	—	—
Raystown (PA).....	—	—	—	93,540	—	—	—	—	—	—	—
Alta (City of).....	—	91	—	—	—	—	—	*	—	—	*
Alta (IA).....	—	91	—	—	—	—	—	*	—	—	*
Amer Mun Power-Ohio Inc.....	1,348,420	—	4,407	—	—	—	855	—	62	61	—
Richard Gorsuch (OH).....	1,348,420	—	4,407	—	—	—	855	—	62	61	—
Ames (City of).....	382,191	3,962	—	—	—	—	246	10	—	16	4
Ames (IA).....	382,191	3,261	—	—	—	—	246	6	—	16	1
Ames Gt (IA).....	—	701	—	—	—	—	—	4	—	—	2
Anaheim (City of).....	—	—	22,831	—	—	—	—	—	203	—	—
Anaheim (CA).....	—	—	22,831	—	—	—	—	—	203	—	—
Anchorage (City of).....	—	11	703,614	—	—	—	—	*	7,934	—	20
Anchorage (AK).....	—	4	10,664	—	—	—	—	*	241	—	3
GMS 2 (AK).....	—	7	692,950	—	—	—	—	*	7,692	—	16
Aniak Light & Power Co.....	—	2,593	—	—	—	—	—	5	—	—	3
Aniak (AK).....	—	2,593	—	—	—	—	—	5	—	—	3
Anita (City of).....	—	—	—	—	—	—	—	—	—	—	—
Anita (IA).....	—	—	—	—	—	—	—	—	—	—	—
Ansley (City of).....	—	—	—	—	—	—	—	—	—	—	—
Ansley (NE).....	—	—	—	—	—	—	—	—	—	—	—
Anthony (City of).....	—	300	6,004	—	—	—	—	1	62	—	1
Anthony (KS).....	—	300	6,004	—	—	—	—	1	62	—	1
Appalachian Power Co.....	32,406,128	120,075	—	684,999	—	—	12,598	199	—	1,676	89
Amos, John E (WV).....	15,380,013	81,689	—	—	—	—	6,062	135	—	939	57
Buck (VA).....	—	—	—	29,440	—	—	—	—	—	—	—
Byllesby 2 (VA).....	—	—	—	70,390	—	—	—	—	—	—	—
Claytor (VA).....	—	—	—	260,767	—	—	—	—	—	—	—
Clinch River (VA).....	4,853,470	3,898	—	—	—	—	1,840	6	—	293	2
Glen Lyn (VA).....	1,892,834	13,581	—	—	—	—	749	24	—	70	2
Kanawha River (WV).....	2,555,178	1,894	—	—	—	—	1,013	3	—	84	1
Leesville (VA).....	—	—	—	78,402	—	—	—	—	—	—	—
London (WV).....	—	—	—	72,253	—	—	—	—	—	—	—
Marmet (WV).....	—	—	—	58,287	—	—	—	—	—	—	—
Mountaineer (WV).....	7,724,633	19,013	—	—	—	—	2,934	31	—	291	27

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)		
	Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Appalachian Power Co												
	Niagara (VA).....	—	—	—	5,164	—	—	—	—	—	—	—
	Reusens (VA).....	—	—	—	25,357	—	—	—	—	—	—	—
	Smith Mountain (VA).....	—	—	—	-268	—	—	—	—	—	—	—
	Winfield (WV).....	—	—	—	85,207	—	—	—	—	—	—	—
Arcadia (City of)												
	Arcadia (WI).....	—	620	506	—	—	—	—	1	5	—	1
Arcadia (WI)												
	Arcadia (WI).....	—	620	506	—	—	—	—	1	5	—	1
Arcanum (City of)												
	Arcanum (OH).....	—	198	—	—	—	—	—	*	—	—	*
Argyle (City of)												
	Argyle (WI).....	—	—	—	—	—	—	—	—	—	—	—
Arizona Elec Pwr Coop Inc.												
	Apache Station (AZ).....	2,428,991	—	223,804	—	—	—	1,349	—	2,392	113	—
Arizona Public Service Co.												
	Childs (AZ).....	20,864,891	18,322	1,643,245	31,644	30,301,045	—	11,862	41	18,949	475	137
	Cholla (AZ).....	—	—	—	19,310	—	—	—	—	—	—	—
	Cholla (AZ).....	6,361,304	7,256	2,342	—	—	—	3,565	14	30	399	5
	Fairview (AZ).....	—	756	—	—	—	—	—	3	—	—	6
	Four Corners (NM).....	14,503,587	—	113,428	—	—	—	8,297	—	1,235	76	—
	Irving (AZ).....	—	—	—	12,334	—	—	—	—	—	—	—
	Ocotillo (AZ).....	—	—	353,883	—	—	—	—	—	4,122	—	36
	Palo Verde (AZ).....	—	—	—	—	30,301,045	—	—	—	—	—	—
	Phoenix (AZ).....	—	2,650	652,762	—	—	—	—	5	7,312	—	30
	Saguaro (AZ).....	—	3,892	200,564	—	—	—	—	10	2,537	—	34
	Yucca (AZ).....	—	3,768	320,266	—	—	—	—	10	3,714	—	27
Arkansas Elec Coop Corp.												
	Bailey (AR).....	—	59,243	534,036	212,776	—	—	—	100	6,050	—	146
	Clyde Ellis (AR).....	—	847	218,991	—	—	—	—	2	2,503	—	64
	Dam 9 (AR).....	—	—	—	109,470	—	—	—	—	—	—	—
	Fitzhugh (AR).....	—	—	—	103,306	—	—	—	—	—	—	—
	Mc Clellan (AR).....	—	302	103,206	—	—	—	—	1	1,230	—	44
	Mc Clellan (AR).....	—	58,094	211,839	—	—	—	—	98	2,317	—	39
Arkansas Power & Light Co.												
	Arkansas Nuclear One(AR).....	19,454,192	79,607	3,170,123	189,745	13,097,252	—	11,969	169	34,525	668	180
	Blytheville (AR).....	—	—	—	—	13,097,252	—	—	—	—	—	—
	Carpenter (AR).....	—	35,311	—	—	—	—	—	90	—	—	44
	Couch, Harvey (AR).....	—	—	346,009	134,592	—	—	—	—	4,345	—	—
	Independence (AR).....	9,758,695	23,066	—	—	—	—	5,852	41	—	295	13
	L Catherine (AR).....	—	—	1,218,911	—	—	—	—	—	11,735	—	—
	Lynch, Cecil (AR).....	—	—	—	—	—	—	—	—	—	—	—
	Mablevale (AR).....	—	—	—	—	—	—	—	—	—	—	4
	Moses, Ham (AR).....	—	—	—	—	—	—	—	—	—	—	—
	Rommel (AR).....	—	—	—	55,153	—	—	—	—	—	—	—
	Ritchie, R E (AR).....	—	1	1,605,203	—	—	—	—	*	18,444	—	98
	White Bluff (AR).....	9,695,497	21,229	—	—	—	—	6,117	39	—	373	21
Arnold (City of)												
	Arnold (NE).....	—	46	—	—	—	—	—	*	—	—	*
Ashland (City of)												
	Ashland (KS).....	—	131	—	—	—	—	—	*	—	—	*
Associated Elec Coop												
	New Madrid (MO).....	15,206,206	17,122	—	—	—	—	8,891	35	—	1,155	16
	Thomas Hill (MO).....	7,718,244	3,380	—	—	—	—	4,519	6	—	533	1
	Unionville (MO).....	7,487,962	9,372	—	—	—	—	4,372	17	—	622	5
	Unionville (MO).....	—	4,370	—	—	—	—	—	12	—	—	9
Atlantic (City of)												
	Atlantic (IA).....	—	37	21	—	—	—	—	*	*	—	1
Atlantic City Elec Co												
	Carls Corner (NJ).....	1,635,766	197,285	199,076	—	—	—	701	422	2,506	202	411
	Carls Corner (NJ).....	—	3,143	-130	—	—	—	—	16	2	—	11

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Atlantic City Elec Co											
Cedar (NJ).....	—	5,852	—	—	—	—	—	19	—	—	19
Cumberland St (NJ).....	—	539	61,811	—	—	—	—	2	765	—	29
Deepwater (NJ).....	386,938	5,022	69,571	—	—	—	161	12	793	79	33
England, B L (NJ).....	1,248,828	166,968	—	—	—	—	540	324	—	123	114
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—	—	31
Mantu Depot (NJ).....	—	—	—	—	—	—	—	—	—	—	123
Mickleton Street (NJ).....	—	—	20,148	—	—	—	—	—	327	—	—
Middle (NJ).....	—	8,441	—	—	—	—	—	27	—	—	14
Missouri Avenue (NJ).....	—	6,662	—	—	—	—	—	19	—	—	9
Sherman Avenue (NJ).....	—	658	47,676	—	—	—	—	2	618	—	27
Attica (City of)	—	—	—	—	—	—	—	—	—	—	—
Attica (KS).....	—	—	—	—	—	—	—	—	—	—	—
Auburn (City of)	—	300	2,509	—	—	—	—	1	38	—	*
Auburn (NE).....	—	300	2,509	—	—	—	—	1	38	—	*
Augusta (City of)	—	1,100	15,714	—	—	—	—	2	182	—	*
Plant No 1 (KS).....	—	400	2,129	—	—	—	—	1	33	—	*
Plant No 2 (KS).....	—	700	13,585	—	—	—	—	1	150	—	*
Augusta (City of)	—	—	—	—	—	—	—	—	—	—	—
Fairbanks (AR).....	—	—	—	—	—	—	—	—	—	—	—
Austin (City of)	114,548	—	15,625	—	—	—	61	—	198	37	—
Austin DT (MN).....	—	—	12	—	—	—	—	—	*	—	—
Northeast Station (MN).....	114,548	—	15,613	—	—	—	61	—	198	37	—
Austin (City of)	—	—	3,359,106	—	—	—	—	—	34,765	—	190
Decker Creek (TX).....	—	—	2,252,900	—	—	134	—	—	23,282	—	125
Holly Street (TX).....	—	—	1,106,206	—	—	—	—	—	11,482	—	65
Avista Corporation	—	—	294,757	3,860,130	—	—	—	—	3,403	—	—
Cabinet Gorge (ID).....	—	—	—	1,047,704	—	—	—	—	—	—	—
Kettle Fls (WA).....	—	—	2,231	—	—	322,175	—	—	24	—	—
Little Falls (WA).....	—	—	—	215,531	—	—	—	—	—	—	—
Long Lake (WA).....	—	—	—	513,209	—	—	—	—	—	—	—
Meyers Falls (WA).....	—	—	—	8,506	—	—	—	—	—	—	—
Monroe Street (WA).....	—	—	—	109,456	—	—	—	—	—	—	—
Nine Mile (WA).....	—	—	—	124,690	—	—	—	—	—	—	—
Northeast (WA).....	—	—	11,648	—	—	—	—	—	124	—	—
Noxon Rapids (MT).....	—	—	—	1,688,255	—	—	—	—	—	—	—
Post Falls (ID).....	—	—	—	91,375	—	—	—	—	—	—	—
Rathdrum (WA).....	—	—	280,878	—	—	—	—	—	3,254	—	—
Upper Falls (WA).....	—	—	—	61,404	—	—	—	—	—	—	—
Baldwin City (City of)	—	1,100	719	—	—	—	—	3	8	—	*
Attica (KS).....	—	1,100	719	—	—	—	—	3	8	—	*
Baltimore Gas & Elec Co	13,293,391	1,086,940	560,182	—	13,330,598	—	5,238	1,886	6,523	685	648
Brandon (MD).....	8,280,161	24,448	—	—	—	—	3,327	43	—	503	3
Calvert Cliffs (MD).....	—	—	—	—	13,330,598	—	—	—	—	—	—
Crane, C P (MD).....	1,987,768	9,772	—	—	—	—	763	17	—	104	4
Gould Street (MD).....	—	62,741	74,819	—	—	—	—	113	939	—	26
Notch Cliff (MD).....	—	—	29,644	—	—	—	—	—	511	—	—
Perryman (MD).....	—	39,225	195,503	—	—	—	—	101	2,102	—	104
Philadelphia Road (MD).....	—	8,176	—	—	—	—	—	23	—	—	12
Riverside (MD).....	—	7,059	51,252	—	—	—	—	24	642	—	35
Wagner, H A (MD).....	3,025,462	935,519	188,149	—	—	—	1,148	1,564	1,993	78	464
Westport (MD).....	—	—	20,815	—	—	—	—	—	336	—	—
Bancroft (City of)	—	—	—	—	—	—	—	—	—	—	—
Bancroft (LA).....	—	—	—	—	—	—	—	—	—	—	—
Bangor Hydro Electric Co	—	3,922	—	169,619	—	—	—	7	—	—	2
Bar Harbor (ME).....	—	1,065	—	—	—	—	—	2	—	—	1

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Bangor Hydro Electric Co											
Eastport (ME).....	—	1,736	—	—	—	—	—	3	—	—	1
Ellsworth (ME).....	—	—	—	24,626	—	—	—	—	—	—	—
Howland (ME).....	—	—	—	7,615	—	—	—	—	—	—	—
Medway (ME).....	—	1,121	—	30,036	—	—	—	2	—	—	*
Milford (ME).....	—	—	—	49,891	—	—	—	—	—	—	—
Orono (ME).....	—	—	—	—	—	—	—	—	—	—	—
Stillwater (ME).....	—	—	—	10,752	—	—	—	—	—	—	—
Veazie (ME).....	—	—	—	—	—	—	—	—	—	—	—
Veazie A (ME).....	—	—	—	46,699	—	—	—	—	—	—	—
Barron (City of).....	—	126	—	324	—	—	—	*	—	—	1
Barron (WI).....	—	126	—	324	—	—	—	*	—	—	1
Barrow Utils & Elec Coop.....	—	—	49,153	—	—	—	—	—	682	—	—
Barrow (AK).....	—	—	49,153	—	—	—	—	—	682	—	—
Barton (Village of).....	—	63	—	4,863	—	—	—	*	—	—	*
W. Charleston (VT).....	—	63	—	4,863	—	—	—	*	—	—	*
Basin Elec Power Coop.....	23,608,534	42,701	—	—	—	—	17,071	86	—	1,154	70
Antelope Valley (ND).....	6,955,176	3,567	—	—	—	—	5,766	7	—	69	6
Laramie River (WY).....	12,307,471	18,946	—	—	—	—	7,689	35	—	698	13
Leland Olds (ND).....	4,345,887	6,581	—	—	—	—	3,616	13	—	388	7
Spirit Mound (SD).....	—	13,607	—	—	—	—	—	32	—	—	45
Baudette (City of).....	—	—	—	—	—	—	—	—	—	—	—
Baudette (MN).....	—	—	—	—	—	—	—	—	—	—	—
Beaver City (City of).....	—	—	—	8,471	—	—	—	—	—	—	—
Beaver Lower (UT).....	—	—	—	819	—	—	—	—	—	—	—
Beaver Upper (UT).....	—	—	—	3,493	—	—	—	—	—	—	—
Beaver 3 (UT).....	—	—	—	4,159	—	—	—	—	—	—	—
Beaver City (City of).....	—	30	—	—	—	—	—	*	—	—	*
Beaver City (NE).....	—	30	—	—	—	—	—	*	—	—	*
Bedford (City of).....	—	—	—	16,928	—	—	—	—	—	—	—
Snowden (VA).....	—	—	—	16,928	—	—	—	—	—	—	—
Belleville (City of).....	—	650	5,532	—	—	—	—	2	58	—	8
Belleville (KS).....	—	650	5,532	—	—	—	—	2	58	—	8
Bellevue (City of).....	—	391	—	—	—	—	—	1	—	—	*
Bellevue (IA).....	—	391	—	—	—	—	—	1	—	—	*
Beloit (City of).....	—	240	1,850	—	—	—	—	*	17	—	*
Beloit (KS).....	—	240	1,850	—	—	—	—	*	17	—	*
Benkelman (City of).....	—	—	—	—	—	—	—	—	—	—	—
Benkelman (NE).....	—	—	—	—	—	—	—	—	—	—	—
Benson (City of).....	—	—	—	—	—	—	—	—	—	—	—
Benson (MN).....	—	—	—	—	—	—	—	—	—	—	—
Berlin (City of).....	—	1,834	—	—	—	—	—	4	—	—	*
Berlin (MD).....	—	1,834	—	—	—	—	—	4	—	—	*
Bethany (City of).....	—	301	—	—	—	—	—	1	—	—	1
Bethany (MO).....	—	301	—	—	—	—	—	1	—	—	1
Bethel Utilities Corp.....	—	37,152	—	—	—	—	—	63	—	—	1
Bethel (AK).....	—	37,152	—	—	—	—	—	63	—	—	1
Bettles Light & Power.....	—	791	—	—	—	—	—	2	—	—	1
Bettles (AK).....	—	791	—	—	—	—	—	2	—	—	1

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Big Rivers Electric Corp.....	6,584,472	9,351	2,705	—	—	—	3,066	24	31	—	—
Coleman (KY).....	1,429,085	56	2,705	—	—	—	660	*	31	—	—
Green (KY).....	1,822,193	1,753	—	—	—	—	913	3	—	—	—
Henderson II (KY).....	1,255,740	1,547	—	—	—	—	568	3	—	—	—
Reid, Robert (KY).....	126,568	4,642	—	—	—	—	63	15	—	—	—
Wilson (KY).....	1,950,886	1,353	—	—	—	—	861	2	—	—	—
Black Hills Pwr and Lt Co.....	1,271,240	6,648	32,640	—	—	—	1,047	19	491	4	19
French, Ben (SD).....	185,938	4,773	32,640	—	—	—	150	14	491	3	19
Neil Simpson 2 (WY).....	686,007	1,103	—	—	—	—	519	3	—	—	*
Osage (WY).....	251,442	—	—	—	—	—	253	—	—	1	—
Simpson, Neil (WY).....	147,853	772	—	—	—	—	126	2	—	—	*
Black River Falls (City).....	—	—	—	3,559	—	—	—	—	—	—	—
Black River Falls (WI).....	—	—	—	3,559	—	—	—	—	—	—	—
Block Island Power Co.....	—	7,170	—	—	—	—	—	17	—	—	1
Block Island (RI).....	—	7,170	—	—	—	—	—	17	—	—	1
Bloomfield (City of).....	—	58	25	—	—	—	—	*	*	—	*
Bloomfield (IA).....	—	58	25	—	—	—	—	*	*	—	*
Blooming Prairie(City of).....	—	407	—	—	—	—	—	1	—	—	*
Blooming Prairie (MN).....	—	407	—	—	—	—	—	1	—	—	*
Blue Earth (City of).....	—	894	100	—	—	—	—	1	1	—	*
Blue Earth (MN).....	—	894	100	—	—	—	—	1	1	—	*
Blue Ridge El Member Corp.....	—	—	—	—	—	—	—	—	—	—	—
Sharp Falls (NC).....	—	—	—	—	—	—	—	—	—	—	—
Bluffton (City of).....	—	42	1,883	—	—	—	—	*	26	—	2
Bluffton (IN).....	—	42	1,883	—	—	—	—	*	26	—	2
Bonniers Ferry (City of).....	—	—	—	27,130	—	—	—	—	—	—	—
Moyie (ID).....	—	—	—	27,130	—	—	—	—	—	—	—
Boston Edison Co.....	—	1,639,857	665,160	—	5,698,414	—	—	2,710	6,688	—	—
Edgar (MA).....	—	386	—	—	—	—	—	1	—	—	—
Framingham (MA).....	—	194	—	—	—	—	—	1	—	—	—
L Street (MA).....	—	405	—	—	—	—	—	1	—	—	—
Mystic (MA).....	—	1,637,492	14,629	—	—	—	—	2,703	197	—	—
New Boston (MA).....	—	—	650,531	—	—	—	—	—	6,491	—	—
Pilgrim (MA).....	—	—	—	—	5,698,414	—	—	—	—	—	—
West Medway (MA).....	—	1,380	—	—	—	—	—	4	—	—	—
Bountiful (City of).....	—	255	4,844	29,401	—	—	—	1	50	—	1
Bountiful (UT).....	—	255	4,844	—	—	—	—	1	50	—	1
Echo Dam (UT).....	—	—	—	20,400	—	—	—	—	—	—	—
Pine View Dam (UT).....	—	—	—	9,001	—	—	—	—	—	—	—
Braintree (City of).....	—	3,000	69,959	—	—	—	—	5	751	—	—
Potter Station (MA).....	—	3,000	69,959	—	—	—	—	5	751	—	—
Brazos Elec Pwr Coop Inc.....	—	182	1,894,519	—	—	—	—	*	20,593	—	146
Miller, R W (TX).....	—	182	1,831,156	—	—	—	—	*	19,761	—	136
North Texas (TX).....	—	—	63,363	—	—	—	—	—	832	—	11
Brazos River Authority.....	—	—	—	13,112	—	—	—	—	—	—	—
M Sheppard (TX).....	—	—	—	13,112	—	—	—	—	—	—	—
Breese (City of).....	—	1,879	—	—	—	—	—	4	—	—	3
Breese (IL).....	—	1,879	—	—	—	—	—	4	—	—	3
Brigham City Corporation.....	—	—	—	11,784	—	—	—	—	—	—	—
Brigham City (UT).....	—	—	—	7,398	—	—	—	—	—	—	—
Brigham 2 (UT).....	—	—	—	4,386	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Broken Bow (City of).....	—	40	2,742	—	—	—	—	*	26	—	*
Broken Bow (NE).....	—	40	2,742	—	—	—	—	*	26	—	*
Brooklyn (City of).....	—	137	—	—	—	—	—	*	—	—	*
Brooklyn (IA).....	—	137	—	—	—	—	—	*	—	—	*
Brownfield (City of).....	—	123	1,211	—	—	—	—	*	32	—	1
Brownfield (TX).....	—	123	1,211	—	—	—	—	*	32	—	1
Brownsville (City of).....	—	1,552	234,628	—	—	—	—	4	2,630	—	21
Si Ray (TX).....	—	1,552	234,628	—	—	—	—	4	2,630	—	21
Bryan (City of).....	—	279	5,228	—	—	—	—	1	95	—	6
Bryan (OH).....	—	279	5,228	—	—	—	—	1	95	—	6
Bryan (City of).....	—	94	671,593	—	—	—	—	*	7,812	—	56
Bryan (TX).....	—	94	186,401	—	—	—	—	*	2,341	—	32
Dansby (TX).....	—	—	485,192	—	—	—	—	—	5,471	—	24
Bryant (City of).....	—	—	—	—	—	—	—	—	—	—	—
Bryant (SD).....	—	—	—	—	—	—	—	—	—	—	—
Burbank (City of).....	—	—	79,806	—	—	—	—	—	1,077	—	—
Magnolia (CA).....	—	—	609	—	—	—	—	—	34	—	—
Olive (CA).....	—	—	79,197	—	—	—	—	—	1,043	—	—
Burlingame (City of).....	—	—	1,038	—	—	—	—	—	12	—	—
Burlingame (KS).....	—	—	1,038	—	—	—	—	—	12	—	—
Burlington (City of).....	—	1,381	827	—	—	—	—	10	188	—	7
Burlington (VT).....	—	1,291	—	—	—	—	—	4	—	—	2
J C McNeil (VT).....	—	90	827	—	—	145,458	—	6	188	—	5
Burlington (City of).....	—	—	—	—	—	—	—	—	—	—	—
Burlington (CO).....	—	—	—	—	—	—	—	—	—	—	—
Burlington (City of).....	—	485	2,902	—	—	—	—	1	31	—	1
Burlington (KS).....	—	485	2,902	—	—	—	—	1	31	—	1
Burwell (City of).....	—	—	—	—	—	—	—	—	—	—	—
Burwell (NE).....	—	—	—	—	—	—	—	—	—	—	—
Bushnell (City of).....	—	281	—	—	—	—	—	1	—	—	*
Bushnell (IL).....	—	281	—	—	—	—	—	1	—	—	*
Butler (City of).....	—	372	—	—	—	—	—	1	—	—	1
Butler (MO).....	—	372	—	—	—	—	—	1	—	—	1
Cajun Elec Power Coop Inc.....	10,179,694	26,698	601,215	—	—	—	6,355	48	6,444	1,184	21
Big Cajun 1 (LA).....	—	—	601,215	—	—	—	—	—	6,444	—	12
Big Cajun 2 (LA).....	10,179,694	26,698	—	—	—	—	6,355	48	—	1,184	9
California (State of).....	—	—	—	4,318,782	—	—	—	—	—	—	—
Alamo (CA).....	—	—	—	50,002	—	—	—	—	—	—	—
Bottle Rock (CA).....	—	—	—	—	—	-490	—	—	—	—	—
Devil Canyon (CA).....	—	—	—	432,583	—	—	—	—	—	—	—
Edw Hyatt (CA).....	—	—	—	3,397,340	—	—	—	—	—	—	—
Mojave Siphon (CA).....	—	—	—	26,658	—	—	—	—	—	—	—
Thermal Div (CA).....	—	—	—	21,280	—	—	—	—	—	—	—
Thermalito (CA).....	—	—	—	428,681	—	—	—	—	—	—	—
W E Warne (CA).....	—	—	—	73,914	—	—	—	—	—	—	—
William R Gianelli (CA).....	—	—	—	-111,676	—	—	—	—	—	—	—
Calloway (City of).....	—	—	—	—	—	—	—	—	—	—	—
Callaway (NE).....	—	—	—	—	—	—	—	—	—	—	—
Cambridge (City of).....	—	—	—	—	—	—	—	—	—	—	—
Cambridge (NE).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Campbell (City of).....	—	—	—	—	—	—	—	—	—	—	—
Campbell (MO).....	—	—	—	—	—	—	—	—	—	—	—
Campbell (City of).....	—	—	—	—	—	—	—	—	—	—	—
Campbell (NE).....	—	—	—	—	—	—	—	—	—	—	—
Cardinal Operating Co.....	10,822,438	18,944	—	—	—	—	4,191	31	—	503	16
Cardinal (OH).....	10,822,438	18,944	—	—	—	—	4,191	31	—	503	16
Carlyle (City of).....	—	853	2	—	—	—	—	1	*	—	*
Carlyle (IL).....	—	853	2	—	—	—	—	1	*	—	*
Carmi (City of).....	—	267	525	—	—	—	—	3	7	—	6
Carmi (IL).....	—	267	525	—	—	—	—	3	7	—	6
Carolina Power & Light Co.....	28,698,641	243,624	222,251	789,569	25,613,883	—	11,612	669	3,585	1,797	284
Asheville (NC).....	2,202,104	3,588	—	—	—	—	882	6	—	256	1
Blewett (NC).....	—	-218	—	123,546	—	—	—	*	—	—	6
Brunswick (NC).....	—	—	—	—	13,315,718	—	—	—	—	—	—
Cape Fear (NC).....	1,864,541	32,867	—	—	—	—	751	78	—	119	9
Darlington County (SC).....	—	96,846	200,552	—	—	—	—	331	3,093	—	222
Harris (NC).....	—	—	—	—	6,711,587	—	—	—	—	—	—
Lee (NC).....	1,675,052	22,219	—	—	—	—	705	68	—	116	6
Marshall (NC).....	—	—	—	25,318	—	—	—	—	—	—	—
Mayo (NC).....	4,281,189	16,749	—	—	—	—	1,781	29	—	321	6
Morehead (NC).....	—	1,966	—	—	—	—	—	7	—	—	1
Robinson, H B (SC).....	910,250	3,031	2,712	—	5,586,578	—	364	5	49	73	3
Roxboro (NC).....	14,359,481	30,202	—	—	—	—	5,650	55	—	648	9
Sutton (NC).....	2,749,064	30,476	—	—	—	—	1,178	73	—	199	11
Tillery (NC).....	—	—	—	236,832	—	—	—	—	—	—	—
Walters (NC).....	—	—	—	403,873	—	—	—	—	—	—	—
Weatherspoon (NC).....	656,960	5,898	18,987	—	—	—	301	16	443	66	10
Carrollton (City of).....	—	823	4,719	—	—	—	—	1	74	—	3
Carrollton (MO).....	—	823	4,719	—	—	—	—	1	74	—	3
Carthage (City of).....	—	1,064	9,139	—	—	—	—	2	103	—	11
Carthage (MO).....	—	1,064	9,139	—	—	—	—	2	103	—	11
Cascade (City of).....	—	407	—	—	—	—	—	1	—	—	*
Cascade (IA).....	—	407	—	—	—	—	—	1	—	—	*
Cascade Power company.....	—	—	—	3,801	—	—	—	—	—	—	—
Brevard (NC).....	—	—	—	3,801	—	—	—	—	—	—	—
Cashton (City of).....	—	—	—	—	—	—	—	—	—	—	—
Cashton (WI).....	—	—	—	—	—	—	—	—	—	—	—
Cedar Falls (City of).....	34,872	—	8,110	—	—	—	19	—	130	26	2
Cedar Falls Gt (IA).....	34,872	—	4,040	—	—	—	19	—	57	26	—
Streeter (IA).....	—	—	4,070	—	—	—	—	—	73	—	2
Cent NE Pub Pwr & Ir Dist.....	—	—	—	508,943	—	—	—	—	—	—	—
Jeffrey Canyon (NE).....	—	—	—	134,963	—	—	—	—	—	—	—
Johnson No 1 (NE).....	—	—	—	105,638	—	—	—	—	—	—	—
Johnson No 2 (NE).....	—	—	—	134,706	—	—	—	—	—	—	—
Kingsley (NE).....	—	—	—	133,636	—	—	—	—	—	—	—
Center (City of).....	—	—	—	—	—	—	—	—	—	—	—
Center (CO).....	—	—	—	—	—	—	—	—	—	—	—
Central Elec Pwr Coop.....	296,724	370	—	—	—	—	152	1	—	41	*
Chamois (MO).....	296,724	370	—	—	—	—	152	1	—	41	*
Central Hudson Gas & Elec.....	2,514,449	3,230,973	651,452	141,418	—	—	981	5,245	6,852	121	409
Coxsackie (NY).....	—	828	1,726	—	—	—	—	2	26	—	2
Danskammer (NY).....	2,514,449	264	220,461	—	—	—	981	1	2,322	121	12

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Central Hudson Gas & Elec											
Dashville (NY)	—	—	—	14,069	—	—	—	—	—	—	—
High Falls (NY)	—	—	—	9,896	—	—	—	—	—	—	—
Neversink (NY)	—	—	—	57,785	—	—	—	—	—	—	—
Roseton (NY)	—	3,228,349	429,265	—	—	—	—	5,238	4,503	—	393
South Cairo (NY)	—	1,532	—	—	—	—	—	4	—	—	2
Sturgeon Pool (NY)	—	—	—	59,668	—	—	—	—	—	—	—
Central Ill Public Ser Co	10,895,557	140,477	54	—	—	—	5,577	258	1	1,413	55
Coffeen (IL)	3,432,034	7,053	—	—	—	—	1,726	13	—	502	4
Grand Tower (IL)	514,274	2,169	—	—	—	—	269	4	—	122	1
Hutsonville (IL)	399,834	2,570	—	—	—	—	197	5	—	51	1
Meredosia (IL)	986,517	117,714	54	—	—	—	520	216	1	97	43
Newton (IL)	5,562,898	10,971	—	—	—	—	2,865	19	—	641	5
Central Iowa Power Coop	309,515	7,684	951	—	—	—	169	20	*	65	7
Fair Station (IA)	309,515	—	—	—	—	—	169	—	—	65	—
Summit Lake (IA)	—	7,684	951	—	—	—	—	20	*	—	7
Central Illinois Light Co	5,840,120	8,057	51,274	—	—	—	2,690	14	288	315	1
Duck Creek (IL)	2,167,606	2,185	—	—	—	—	1,022	4	—	118	1
E D Edwards (IL)	3,672,514	5,872	—	—	—	—	1,667	10	—	197	*
Pekin Cogen (IL)	—	—	48,794	—	—	—	—	—	249	—	—
Sterling Avenue (IL)	—	—	2,480	—	—	—	—	—	39	—	—
Central Louisiana Elec Co	7,502,229	—	3,213,393	—	—	—	5,499	—	35,024	643	148
Coughlin (LA)	—	—	782,956	—	—	—	—	—	8,741	—	37
Dolet Hills (LA)	4,264,242	—	9,938	—	—	—	3,520	—	109	323	—
Franklin (LA)	—	—	305	—	—	—	—	—	8	—	—
Rodemacher (LA)	3,237,987	—	1,085,712	—	—	—	1,979	—	10,579	319	76
Teche (LA)	—	—	1,334,482	—	—	—	—	—	15,587	—	35
Central Maine Power Co	—	1,725,810	—	1,638,297	—	—	—	2,966	—	—	484
Andro Lower (ME)	—	—	—	159	—	—	—	—	—	—	—
Androscoggin 3 (ME)	—	—	—	29,848	—	—	—	—	—	—	—
Bar Mills (ME)	—	—	—	20,066	—	—	—	—	—	—	—
Bates Lower (ME)	—	—	—	—	—	—	—	—	—	—	—
Bates Upper (ME)	—	—	—	3,722	—	—	—	—	—	—	—
Bonny Eagle (ME)	—	—	—	53,496	—	—	—	—	—	—	—
Brunswick (ME)	—	—	—	98,128	—	—	—	—	—	—	—
C. E. Monty (ME)	—	—	—	133,902	—	—	—	—	—	—	—
Cape (ME)	—	-8	—	—	—	—	—	2	—	—	7
Cataract (ME)	—	—	—	38,264	—	—	—	—	—	—	—
Continental Mills (ME)	—	—	—	1,938	—	—	—	—	—	—	—
Deer Rips (ME)	—	—	—	31,699	—	—	—	—	—	—	—
Fort Halifax (ME)	—	—	—	5,514	—	—	—	—	—	—	—
Gulf Island (ME)	—	—	—	136,132	—	—	—	—	—	—	—
Harris (ME)	—	—	—	247,876	—	—	—	—	—	—	—
Hill Mill (ME)	—	—	—	2,380	—	—	—	—	—	—	—
Hiram (ME)	—	—	—	56,220	—	—	—	—	—	—	—
Islesboro (ME)	—	—	—	—	—	—	—	—	—	—	—
North Gorham (ME)	—	—	—	10,385	—	—	—	—	—	—	—
Oakland (ME)	—	—	—	9,754	—	—	—	—	—	—	—
Peaks Island (ME)	—	—	—	—	—	—	—	—	—	—	—
Rice Rips (ME)	—	—	—	5,622	—	—	—	—	—	—	—
Shawmut (ME)	—	—	—	44,066	—	—	—	—	—	—	—
Skelton (ME)	—	—	—	109,033	—	—	—	—	—	—	—
Smelt Hill (AK)	—	—	—	—	—	—	—	—	—	—	—
Union Gas (ME)	—	—	—	4,247	—	—	—	—	—	—	—
West Buxton (ME)	—	—	—	39,307	—	—	—	—	—	—	—
West Channel (MA)	—	—	—	—	—	—	—	—	—	—	—
Weston (ME)	—	—	—	84,779	—	—	—	—	—	—	—
Williams (ME)	—	—	—	89,866	—	—	—	—	—	—	—
Wyman Hydro (ME)	—	—	—	381,894	—	—	—	—	—	—	—
Wyman, W F (ME)	—	1,725,818	—	—	—	—	—	2,964	—	—	477
Central Operating Co	6,777,439	18,304	—	—	—	—	2,627	30	—	163	10
Sporn, Phil (WV)	6,777,439	18,304	—	—	—	—	2,627	30	—	163	10

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Central Power & Light Co.....	4,660,292	2,411	12,480,491	19,375	—	—	2,343	5	131,492	333	463
Bates, J L (TX).....	—	—	721,918	—	—	—	—	—	8,221	—	39
Coletto Creek (TX).....	4,660,292	2,382	—	—	—	—	2,343	5	—	333	5
Davis, Barney M (TX).....	—	29	4,073,346	—	—	—	—	*	40,302	—	129
Eagle Pass (TX).....	—	—	—	19,375	—	—	—	—	—	—	—
Hill, Lon C (TX).....	—	—	1,825,186	—	—	—	—	—	21,348	—	60
Joslin, E S (TX).....	—	—	611,050	—	—	—	—	—	6,652	—	50
La Palma (TX).....	—	—	902,815	—	—	—	—	—	9,750	—	49
Laredo (TX).....	—	—	725,059	—	—	—	—	—	8,405	—	24
Nueces Bay (TX).....	—	—	2,916,477	—	—	—	—	—	29,017	—	59
Victoria (TX).....	—	—	704,640	—	—	—	—	—	7,797	—	49
Central VT Pub Serv Corp.....	—	1,259	—	221,763	—	—	—	4	—	—	10
Arnold Falls (VT).....	—	—	—	1,924	—	—	—	—	—	—	—
Ascutney (VT).....	—	505	—	—	—	—	—	2	—	—	4
Bradford (VT).....	—	—	—	3,753	—	—	—	—	—	—	—
Carver Falls (NY).....	—	—	—	6,465	—	—	—	—	—	—	—
Cavendish (VT).....	—	—	—	5,982	—	—	—	—	—	—	—
Clarks Falls (VT).....	—	—	—	20,831	—	—	—	—	—	—	—
East Barnet (VT).....	—	—	—	9,437	—	—	—	—	—	—	—
Fairfax Falls (VT).....	—	—	—	27,986	—	—	—	—	—	—	—
Gage (VT).....	—	—	—	3,217	—	—	—	—	—	—	—
Glen (VT).....	—	—	—	8,041	—	—	—	—	—	—	—
Lower Middlebury (VT).....	—	—	—	9,414	—	—	—	—	—	—	—
Milton (VT).....	—	—	—	48,644	—	—	—	—	—	—	—
Passumpsic (VT).....	—	—	—	4,218	—	—	—	—	—	—	—
Patch (VT).....	—	—	—	773	—	—	—	—	—	—	—
Peterson (VT).....	—	—	—	31,736	—	—	—	—	—	—	—
Pierce Mills (VT).....	—	—	—	1,676	—	—	—	—	—	—	—
Pittsford (VT).....	—	—	—	9,723	—	—	—	—	—	—	—
Rutland (VT).....	—	679	—	—	—	—	—	2	—	—	6
Salisbury (VT).....	—	—	—	3,833	—	—	—	—	—	—	—
Silver Lake (VT).....	—	—	—	7,231	—	—	—	—	—	—	—
St. Albans (VT).....	—	75	—	—	—	—	—	*	—	—	*
Taftsville (VT).....	—	—	—	139	—	—	—	—	—	—	—
Weybridge (VT).....	—	—	—	16,740	—	—	—	—	—	—	—
Centralia (City of).....	—	—	—	86,337	—	—	—	—	—	—	—
Centralia (WA).....	—	—	—	86,337	—	—	—	—	—	—	—
Chanute (City of).....	—	1,400	15,677	—	—	—	—	4	158	—	1
Chanute (KS).....	—	-429	—	—	—	—	—	*	—	—	*
Chanute 2 (KS).....	—	-147	763	—	—	—	—	*	10	—	*
Chanute 3 (KS).....	—	1,976	14,914	—	—	—	—	4	148	—	*
Chappell (City of).....	—	—	—	—	—	—	—	—	—	—	—
Chappell (NE).....	—	—	—	—	—	—	—	—	—	—	—
Chelan Pub Util Dist #1.....	—	—	—	8,737,956	—	—	—	—	—	—	—
Chelan (WA).....	—	—	—	267,487	—	—	—	—	—	—	—
Rock Island (WA).....	—	—	—	2,567,660	—	—	—	—	—	—	—
Rocky Reach (WA).....	—	—	—	5,902,809	—	—	—	—	—	—	—
Cheyenne Fuel & Power Co.....	—	—	—	—	—	—	—	—	—	—	—
Snyder (WY).....	—	—	—	—	—	—	—	—	—	—	—
Chillicothe (City of).....	7,126	1,029	4,351	—	—	—	6	3	71	1	9
Chillicothe (MO).....	7,126	1,029	4,351	—	—	—	6	3	71	1	9
Chugach Elec Assn Inc.....	—	—	1,796,204	465,255	—	—	—	—	20,169	—	10
Beluga (AK).....	—	—	1,616,844	—	—	—	—	—	17,531	—	—
Bernice Lake (AK).....	—	—	136,491	—	—	—	—	—	2,057	—	3
Bradley Lake (AK).....	—	—	—	413,886	—	—	—	—	—	—	—
Cooper Lake (AK).....	—	—	—	51,369	—	—	—	—	—	—	—
International (AK).....	—	—	1,567	—	—	—	—	—	36	—	7
Soldotna (AK).....	—	—	41,302	—	—	—	—	—	546	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Cincinnati Gas Elec Co.....	27,794,319	162,582	242,826	—	—	—	11,592	283	4,246	792	218
Beckjord, Walter C (OH).....	7,587,085	83,506	—	—	—	—	3,101	136	—	138	45
Dicks Creek (OH).....	—	17	18,655	—	—	—	—	*	410	—	3
East Bend (KY).....	3,775,823	10,148	—	—	—	—	1,600	18	—	170	6
Miami Fort (OH).....	7,121,654	35,679	—	—	—	—	3,042	63	—	251	30
W. H. Zimmer ().....	9,309,757	28,506	—	—	—	—	3,849	50	—	233	42
Woodsdale (OH).....	—	4,726	224,171	—	—	—	—	15	3,836	—	93
Citizens Utilities Co.....	—	84	—	20,424	—	—	—	*	—	—	*
Charleston (VT).....	—	—	—	1,098	—	—	—	—	—	—	—
Newport (VT).....	—	—	—	19,245	—	—	—	—	—	—	—
Newport Diesel (VT).....	—	84	—	—	—	—	—	*	—	—	*
North Troy (VT).....	—	—	—	81	—	—	—	—	—	—	—
Citizens Utilities Co.....	—	218	1,808	—	—	—	—	1	26	—	1
Valencia (AZ).....	—	218	1,808	—	—	—	—	1	26	—	1
Clarksdale (City of).....	—	45	59,561	—	—	—	—	*	703	—	19
South (MS).....	—	45	57,602	—	—	—	—	*	668	—	18
Third St (MS).....	—	—	1,959	—	—	—	—	—	36	—	1
Clay Center (City of).....	—	700	19,194	—	—	—	—	1	279	—	2
Claycenter (KS).....	—	700	19,194	—	—	—	—	1	279	—	2
Cleveland (City of).....	—	544	6,088	—	—	—	—	2	131	—	2
Collinwood (OH).....	—	415	613	—	—	—	—	1	17	—	1
Lake Road (OH).....	—	—	—	—	—	—	—	—	—	—	—
West 41st Street (OH).....	—	129	5,475	—	—	—	—	*	114	—	1
Cleveland Elec Illum Co.....	10,556,425	24,781	—	—	10,334,072	—	4,308	51	—	471	30
Ashtabula (OH).....	815,058	2,496	—	—	—	—	363	5	—	32	2
Avon Lake (OH).....	3,342,181	4,194	—	—	—	—	1,379	12	—	154	13
Eastlake (OH).....	6,118,935	16,370	—	—	—	—	2,434	30	—	272	16
Lake Shore (OH).....	280,251	1,721	—	—	—	—	133	4	—	13	—
Perry (OH).....	—	—	—	—	10,334,072	—	—	—	—	—	—
Clinton (City of).....	—	1	6	—	—	—	—	*	*	—	*
Clinton (MI).....	—	1	6	—	—	—	—	*	*	—	*
Cloverland Electric Coop.....	—	-197	—	—	—	—	—	1	—	—	1
Dafer (MI).....	—	-197	—	—	—	—	—	*	—	—	1
Detour (MI).....	—	—	—	—	—	—	—	1	—	—	*
Coffeyville (City of).....	—	—	82,904	—	—	—	—	—	1,095	—	—
Coffeyville (KS).....	—	—	82,904	—	—	—	—	—	1,095	—	—
Coggon (City of).....	—	—	—	—	—	—	—	—	—	—	—
Coggon (IA).....	—	—	—	—	—	—	—	—	—	—	—
Colby (City of).....	—	130	89	—	—	—	—	*	1	—	2
Colby (KS).....	—	130	89	—	—	—	—	*	1	—	2
Coldwater (City of).....	—	455	6,403	—	—	—	—	2	57	—	3
Coldwater (MI).....	—	455	6,403	—	—	—	—	2	57	—	3
Coleman (City of).....	—	600	4,319	—	—	—	—	1	56	—	1
Coleman (TX).....	—	600	4,319	—	—	—	—	1	56	—	1
Colorado Springs(City of).....	3,037,533	2,260	46,552	70,894	—	—	1,522	4	663	345	50
Drake, Martin (CO).....	1,458,412	—	16,760	—	—	—	777	—	191	86	—
George Birdsal (CO).....	—	—	29,792	—	—	—	—	—	472	—	48
Manitou (CO).....	—	—	—	19,598	—	—	—	—	—	—	—
Ray D. Nixon (CO).....	1,579,121	2,260	—	—	—	—	745	4	—	259	2
Ruxton (CO).....	—	—	—	406	—	—	—	—	—	—	—
Tesla (CO).....	—	—	—	50,890	—	—	—	—	—	—	—
Columbia (City of).....	53,895	—	1,138	—	—	—	32	—	15	15	2
Columbia (MO).....	53,895	—	1,138	—	—	—	32	—	15	15	2

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Columbus Southern Pwr Co	9,982,994	9,704	—	—	—	—	4,357	17	—	527	9
Conesville (OH)	9,621,632	8,675	—	—	—	—	4,171	15	—	509	8
Picway (OH)	361,362	1,029	—	—	—	—	186	2	—	18	*
Commonwealth Edison Co	24,953,875	398,619	4,062,213	—	55,691,347	—	15,151	832	50,717	2,826	1,045
Bloom (IL)	—	3,350	—	—	—	—	—	11	—	—	9
Braidwood (IL)	—	—	—	—	17,264,349	—	—	—	—	—	—
Byron (IL)	—	—	—	—	16,433,749	—	—	—	—	—	—
Calumet (IL)	—	—	16,356	—	—	—	—	—	362	—	14
Collins (IL)	—	252,555	3,678,953	—	—	—	—	480	45,324	—	923
Crawford (IL)	2,129,941	23	91,518	—	—	—	1,321	*	1,432	156	16
Dresden (IL)	—	—	—	—	11,867,449	—	—	—	—	—	—
Electric Junction (IL)	—	—	52,014	—	—	—	—	—	936	—	19
Fisk Street (IL)	1,519,539	26,603	17,845	—	—	—	868	77	170	—	11
Joliet (IL)	1,358,141	673	38,748	—	—	—	800	1	757	146	11
Joliet 29 (IL)	5,029,044	—	113,466	—	—	—	2,972	—	1,137	389	—
Kincaid (IL)	831,699	—	198	—	—	—	430	—	2	—	—
Lasalle (IL)	—	—	—	—	3,241,987	—	—	—	—	—	—
Lombard (IL)	—	—	10,526	—	—	—	—	—	162	—	15
Powerton (IL)	4,835,696	—	10,777	—	—	—	3,182	—	121	1,049	—
Quad-cities (IL)	—	—	—	—	6,953,423	—	—	—	—	—	—
Sabrooke (IL)	—	15,701	—	—	—	—	—	63	—	—	11
Waukegan (IL)	4,348,315	29,698	31,812	—	—	—	2,577	74	316	335	12
Will County (IL)	4,901,500	70,016	—	—	—	—	3,001	127	—	751	5
Zion (IL)	—	—	—	—	-69,610	—	—	—	—	—	—
Commonwealth Energy Sys	—	6,094,741	115,242	—	—	—	—	9,329	1,283	—	2
Blackstone Street (MA)	—	383	1,683	—	—	—	—	1	34	—	2
Canal (MA)	—	6,054,746	53,175	—	—	—	—	9,259	544	—	—
Kendall Square (MA)	—	38,872	60,384	—	—	—	—	68	705	—	—
Oak Bluffs (MA)	—	343	—	—	—	—	—	1	—	—	—
West Tisbury (MA)	—	397	—	—	—	—	—	1	—	—	—
Conn Yankee Atomic Pwr Co	—	—	—	—	-17,294	—	—	—	—	—	—
Haddam Neck (CT)	—	—	—	—	-17,294	—	—	—	—	—	—
Connecticut Lgt & Pwr Co	—	5,693,074	972,251	340,044	—	—	—	10,070	10,668	—	1,449
Bantam (CT)	—	—	—	961	—	—	—	—	—	—	—
Branford (CT)	—	552	—	—	—	—	—	2	—	—	1
Bulls Bridge (CT)	—	—	—	40,338	—	—	—	—	—	—	—
Cos Cob (CT)	—	3,113	—	—	—	—	—	9	—	—	7
Devon (CT)	—	1,004,708	183,905	—	—	—	—	1,763	2,110	—	189
Falls Village (CT)	—	—	—	40,471	—	—	—	—	—	—	—
Franklin (CT)	—	690	—	—	—	—	—	2	—	—	1
Middletown (CT)	—	1,762,644	777,693	—	—	—	—	3,190	8,430	—	541
Montville (CT)	—	1,216,587	10,653	—	—	—	—	2,316	129	—	313
Norwalk Harbor (CT)	—	1,688,285	—	—	—	—	—	2,741	—	—	344
Robertsville (CT)	—	—	—	838	—	—	—	—	—	—	—
Rocky River (CT)	—	—	—	10,629	—	—	—	—	—	—	—
Scotland (CT)	—	—	—	8,443	—	—	—	—	—	—	—
Shepaug (CT)	—	—	—	123,007	—	—	—	—	—	—	—
South Meadow (CT)	—	14,726	—	—	—	427,389	—	41	—	—	52
Stevenson (CT)	—	—	—	97,811	—	—	—	—	—	—	—
Taftville (CT)	—	—	—	7,146	—	—	—	—	—	—	—
Torrington (CT)	—	1,013	—	—	—	—	—	3	—	—	1
Tunnel (CT)	—	756	—	10,400	—	—	—	2	—	—	1
Consol Edison Co NY Inc	—	1,924,920	8,653,892	—	2,460,109	—	—	3,615	91,465	—	2,498
Arthur Kill (NY)	—	—	1,237,781	—	—	—	—	—	12,641	—	—
Astoria (NY)	—	900,853	3,509,204	—	—	—	—	1,496	35,700	—	137
Buchanan (NY)	—	2,126	—	—	—	—	—	7	—	—	4
East River (NY)	—	259,283	231,769	—	—	—	—	566	3,090	—	130
Gowanus (NY)	—	114,743	—	—	—	—	—	358	—	—	57
Hudson Avenue (NY)	—	2,574	—	—	—	—	—	9	—	—	4
Indian Point (NY)	—	1,008	—	—	2,460,109	—	—	4	—	—	14
Narrows (NY)	—	26,377	65,003	—	—	—	—	83	1,077	—	61
Oil Storage (NY)	—	—	—	—	—	—	—	—	—	—	1,686

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Consol Edison Co NY Inc											
Oil Storage (NY).....	—	—	—	—	—	—	—	—	—	—	267
Ravenswood (NY).....	—	620,133	3,102,402	—	—	—	—	1,067	32,701	—	134
Waterside (NY).....	—	1,074	507,733	—	—	—	—	2	6,255	—	—
59Th Street (NY).....	—	—	—	—	—	—	—	—	—	—	—
74Th Street (NY).....	—	-3,251	—	—	—	—	—	22	—	—	2
Consolidated Water Pwr Co	—	—	—	143,641	—	—	—	—	—	—	—
Biron (WI).....	—	—	—	29,755	—	—	—	—	—	—	—
Du Bay (WI).....	—	—	—	36,945	—	—	—	—	—	—	—
Stevens Point (WI).....	—	—	—	21,457	—	—	—	—	—	—	—
Wisconsin Rapids (WI).....	—	—	—	40,527	—	—	—	—	—	—	—
Wisconsin River Di (WI).....	—	—	—	14,957	—	—	—	—	—	—	—
Consumers Power Co	18,336,288	551,185	316,326	-534,935	5,363,942	—	8,202	1,215	4,529	1,210	410
Alcona (MI).....	—	—	—	26,424	—	—	—	—	—	—	—
Allegan Dam (MI).....	—	—	—	12,755	—	—	—	—	—	—	—
Big Rock Point (MI).....	—	—	—	—	—	—	—	—	—	—	—
Campbell, J H (MI).....	9,126,901	15,574	—	—	—	—	3,913	27	—	441	6
Cobb, B C (MI).....	2,157,048	1,998	8,205	—	—	—	1,121	3	82	478	—
Cooke (MI).....	—	—	—	25,583	—	—	—	—	—	—	—
Croton (MI).....	—	—	—	34,062	—	—	—	—	—	—	—
Five Channels (MI).....	—	—	—	23,570	—	—	—	—	—	—	—
Foote (MI).....	—	—	—	30,546	—	—	—	—	—	—	—
Gaylord (MI).....	—	—	14,104	—	—	—	—	—	224	—	—
Hardy (MI).....	—	—	—	79,912	—	—	—	—	—	—	—
Hodenpyl (MI).....	—	—	—	37,287	—	—	—	—	—	—	—
Karn, D E (MI).....	2,944,465	520,535	252,283	—	—	—	1,310	1,159	3,533	113	402
Loud (MI).....	—	—	—	18,039	—	—	—	—	—	—	—
Ludington (MI).....	—	—	—	-930,349	—	—	—	—	—	—	—
Mio (MI).....	—	—	—	14,635	—	—	—	—	—	—	—
Morrow, B E (MI).....	—	—	3,898	—	—	—	—	—	60	—	—
Palisades (MI).....	—	—	—	—	5,363,942	—	—	—	—	—	—
Rogers (MI).....	—	—	—	25,290	—	—	—	—	—	—	—
Straits (MI).....	—	—	3,195	—	—	—	—	—	54	—	—
Thetford (MI).....	—	—	33,642	—	—	—	—	—	558	—	—
Tippy, C W (MI).....	—	—	—	54,793	—	—	—	—	—	—	—
Weadock, J C (MI).....	2,209,688	3,738	999	—	—	—	1,045	7	17	43	—
Webber (MI).....	—	—	—	12,518	—	—	—	—	—	—	—
Whiting, J R (MI).....	1,898,186	9,340	—	—	—	—	812	18	—	135	3
Coon Rapids (City of)	—	129	—	—	—	—	—	*	—	—	*
Coon Rapids (IA).....	—	129	—	—	—	—	—	*	—	—	*
Cooperative Power Asso	7,730,938	12,212	—	—	—	—	7,097	26	—	446	17
Bonifacius (MN).....	—	6,935	—	—	—	—	—	15	—	—	10
Coal Creek (ND).....	7,730,938	5,277	—	—	—	—	7,097	10	—	446	8
Copper Valley Elec Assn	—	33,297	—	48,965	—	—	—	60	—	—	2
Glennallen (AK).....	—	18,939	—	—	—	—	—	33	—	—	1
Valdez (AK).....	—	—	—	48,965	—	—	—	—	—	—	—
Valdez (AK).....	—	14,358	—	—	—	—	—	26	—	—	1
Cordova Electrical Co-Op	—	20,820	—	2,737	—	—	—	38	—	—	1
Cordova (AK).....	—	8,972	—	—	—	—	—	16	—	—	*
Humpback Creek (AK).....	—	—	—	2,737	—	—	—	—	—	—	—
Ocean Dock (AK).....	—	11,848	—	—	—	—	—	21	—	—	*
Corn belt Power Coop	36,849	—	132	—	—	—	22	—	2	21	—
Humboldt (IA).....	-317	—	—	—	—	—	—	—	—	—	—
Wisdom, Earl F (IA).....	37,166	—	132	—	—	—	22	—	2	21	—
Corning (City of)	—	—	—	—	—	—	—	—	—	—	—
Corning (IA).....	—	—	—	—	—	—	—	—	—	—	—
Craig-Botetourt Elec Coop	—	—	—	—	—	—	—	—	—	—	—
New Castle (VA).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Crawfordsville (City of).....	11,620	16	74	—	—	—	9	*	1	2	*
Crawfordsville (IN).....	11,620	16	74	—	—	—	9	*	1	2	*
Crete (City of).....	—	217	1,759	—	—	—	—	1	52	—	2
Crete (NE).....	—	217	1,759	—	—	—	—	1	52	—	2
Crisp County Power Comm.....	1,650	—	4,493	51,625	—	—	2	—	78	2	—
Crisp (GA).....	1,650	—	4,493	—	—	—	2	—	78	2	—
Warwick (GA).....	—	—	—	51,625	—	—	—	—	—	—	—
Crystal Falls (City of).....	—	—	—	422	—	—	—	—	—	—	—
Crystal Falls (MI).....	—	—	—	422	—	—	—	—	—	—	—
Culpeper (Town of).....	—	687	210	—	—	—	—	2	2	—	*
Culpeper (VA).....	—	687	210	—	—	—	—	2	2	—	*
Cumberland (City of).....	—	816	1	—	—	—	—	1	*	—	1
Cumberland (WI).....	—	816	1	—	—	—	—	1	*	—	1
Curtis (City of).....	—	—	—	—	—	—	—	—	—	—	—
Curtis (NE).....	—	—	—	—	—	—	—	—	—	—	—
Cushing (City of).....	—	750	1,504	—	—	—	—	2	25	—	1
Cushing (OK).....	—	750	1,504	—	—	—	—	2	25	—	1
Dahlberg Light and Pwr Co.....	—	—	—	1,236	—	—	—	*	—	—	*
Gordon (WI).....	—	—	—	—	—	—	—	*	—	—	*
Nancy (WI).....	—	—	—	1,236	—	—	—	—	—	—	—
Solon Diesel (WI).....	—	—	—	—	—	—	—	*	—	—	*
Dairyland Power Coop.....	4,128,646	8,387	—	37,347	—	—	2,377	17	—	979	8
Alma (WI).....	690,156	1,054	—	—	—	—	395	2	—	160	*
Flambeau (WI).....	—	—	—	37,347	—	—	—	—	—	—	—
Genoa (WI).....	1,476,958	3,852	—	—	—	—	731	7	—	615	3
J P Madgett (WI).....	1,961,532	3,481	—	—	—	—	1,252	8	—	204	5
Danville (City of).....	—	—	—	24,509	—	—	—	—	—	—	—
Pinnacles (VA).....	—	—	—	24,509	—	—	—	—	—	—	—
Dayton (City of).....	—	—	—	—	—	—	—	—	—	—	—
Dayton (IA).....	—	—	—	—	—	—	—	—	—	—	—
Dayton Pwr & Lgt Co (The).....	19,705,635	55,533	118,073	—	—	—	8,243	99	1,407	1,286	101
Frank M Tait (OH).....	—	8,411	79,068	—	—	—	—	19	976	—	27
Hutchings (OH).....	670,502	—	34,346	—	—	—	295	*	355	197	1
Killen Station (OH).....	4,771,882	15,316	—	—	—	—	2,010	27	—	204	58
Monument (OH).....	—	3,178	—	—	—	—	—	6	—	—	1
Sidney (OH).....	—	3,367	—	—	—	—	—	6	—	—	1
Stuart, J M (OH).....	14,263,251	25,105	—	—	—	—	5,938	42	—	886	5
Yankee Street (OH).....	—	156	4,659	—	—	—	—	1	76	—	8
Delano (City of).....	—	558	—	—	—	—	—	1	—	—	2
Delano (MN).....	—	558	—	—	—	—	—	1	—	—	2
Delmarva Power & Light Co.....	3,811,669	1,325,230	1,267,847	—	—	—	1,592	2,262	11,065	470	848
Bayview (VA).....	—	8,814	—	—	—	—	—	16	—	—	1
Christiana (DE).....	—	8,879	—	—	—	—	—	25	—	—	9
Crisfield (MD).....	—	6,855	—	—	—	—	—	12	—	—	2
Delaware City (DE).....	—	80	—	—	—	—	—	*	—	—	4
Edge Moor (DE).....	1,238,869	1,039,670	222,264	—	—	—	523	1,679	2,978	87	591
Hay Road (DE).....	—	1,071	1,045,583	—	—	—	—	3	8,087	—	69
Indian River (DE).....	2,572,800	34,084	—	—	—	—	1,069	70	—	383	9
Madison Street (DE).....	—	188	—	—	—	—	—	1	—	—	1
Tasley (VA).....	—	6,371	—	—	—	—	—	19	—	—	10
Vienna (MD).....	—	218,206	—	—	—	—	—	434	—	—	150
West Substation (DE).....	—	1,012	—	—	—	—	—	3	—	—	2

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Delta (City of).....	—	20	228	—	—	—	—	*	3	—	*
Delta (CO).....	—	20	228	—	—	—	—	*	3	—	*
Denton (City of).....	—	—	339,838	15,460	—	—	—	—	4,150	—	25
Lewisdale (TX).....	—	—	—	12,254	—	—	—	—	—	—	—
Roberts (TX).....	—	—	—	3,206	—	—	—	—	—	—	—
Spencer (TX).....	—	—	339,838	—	—	—	—	—	4,150	—	25
Deseret Gen & Trans Coop.....	3,456,787	1,799	—	—	—	—	1,735	3	—	258	7
Bonanza (UT).....	3,456,787	1,799	—	—	—	—	1,735	3	—	258	7
Deshler (City of).....	—	11	—	—	—	—	—	*	—	—	*
Deshler (NE).....	—	11	—	—	—	—	—	*	—	—	*
Detroit (City of).....	—	145,876	177,005	—	—	—	—	330	2,188	—	112
Mistersky (MI).....	—	145,876	177,005	—	—	—	—	330	2,188	—	112
Detroit Edison Co (The).....	43,937,916	233,118	1,534,732	—	7,130,211	—	22,069	467	40,065	5,750	865
Beacon Heating (MI).....	—	—	57,522	—	—	—	—	—	4,433	—	7
Belle River (MI).....	9,269,533	16,583	—	—	—	—	5,155	30	—	—	17
Central Storage (MI).....	—	—	—	—	—	—	—	—	—	1,073	—
Colfax (MI).....	—	1,602	—	—	—	—	—	4	—	—	*
Conners Creek (MI).....	—	818	—	—	—	—	—	2	—	—	1
Dayton (MI).....	—	1,352	—	—	—	—	—	3	—	—	*
Enrico Fermi (MI).....	—	5,400	—	—	7,130,211	—	—	17	—	—	11
Greenwood (MI).....	—	109,694	1,096,401	—	—	—	—	218	12,636	—	689
Hancock (MI).....	—	—	15,048	—	—	—	—	—	272	—	—
Harbor Beach (MI).....	267,799	3,717	—	—	—	—	121	8	—	62	1
Marysville (MI).....	178,841	—	13,257	—	—	—	102	—	203	38	—
Monroe (MI).....	18,650,494	37,805	—	—	—	—	8,611	64	—	1,639	6
Northeast (MI).....	—	4,077	6,407	—	—	—	—	11	119	—	2
Oliver (MI).....	—	1,829	—	—	—	—	—	5	—	—	*
Placid (MI).....	—	1,988	—	—	—	—	—	4	—	—	*
Putnam (MI).....	—	1,816	—	—	—	—	—	4	—	—	1
River Rouge (MI).....	3,434,021	1,485	305,799	—	—	—	1,614	3	21,967	74	2
Slocum (MI).....	—	2,026	—	—	—	—	—	4	—	—	1
St. Clair (MI).....	7,972,579	27,048	40,298	—	—	—	4,365	49	436	2,775	111
Superior (MI).....	—	5,298	—	—	—	—	—	21	—	—	1
Trenton Channel (MI).....	4,164,649	8,685	—	—	—	—	2,101	16	—	88	16
Wilmott (MI).....	—	1,895	—	—	—	—	—	4	—	—	1
Detroit Lakes (City of).....	—	—	—	—	—	—	—	—	—	—	—
Detroit Lakes (MN).....	—	—	—	—	—	—	—	—	—	—	—
Douglas Pub Util Dist #1.....	—	—	—	4,331,146	—	—	—	—	—	—	—
Wells (WA).....	—	—	—	4,331,146	—	—	—	—	—	—	—
Dover (City of).....	—	146,532	3,758	—	—	—	—	325	70	—	56
Mckee Run (DE).....	—	141,052	2,140	—	—	—	—	313	51	—	51
Van Sant (DE).....	—	5,480	1,618	—	—	—	—	12	20	—	5
Dover (City of).....	65,838	77	4,366	—	—	—	44	*	64	1	*
Dover (OH).....	65,838	77	4,366	—	—	—	44	*	64	1	*
Dowagiac (City of).....	—	331	254	—	—	—	—	1	3	—	*
Dowagiac (MI).....	—	331	254	—	—	—	—	1	3	—	*
Duke Power Co.....	42,153,550	149,187	775,964	1,698,514	53,751,204	—	15,986	333	10,521	2,052	318
Allen (NC).....	4,097,291	18,395	—	—	—	—	1,652	32	—	348	1
Bad Creek (SC).....	—	—	—	-560,976	—	—	—	—	—	—	—
Bear Creek (NC).....	—	—	—	34,893	—	—	—	—	—	—	—
Belews Creek (NC).....	16,163,508	6,729	—	—	—	—	5,859	10	—	440	5
Bridgewater (NC).....	—	—	—	63,909	—	—	—	—	—	—	—
Bryson (NC).....	—	—	—	4,318	—	—	—	—	—	—	—
Buck (NC).....	1,335,688	5,862	6,638	—	—	—	608	22	92	135	13
Buzzard Roost (SC).....	—	5,801	21,741	60,017	—	—	—	18	386	—	21
Catawba (NC).....	—	—	—	—	17,575,930	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Duke Power Co											
Cedar Cliff (NC).....	—	—	—	26,201	—	—	—	—	—	—	—
Cedar Creek (SC).....	—	—	—	144,851	—	—	—	—	—	—	—
Cliffside (NC).....	3,815,378	6,377	—	—	—	—	1,467	11	—	220	2
Cowans Ford (NC).....	—	—	—	181,289	—	—	—	—	—	—	—
Dan River (NC).....	695,272	2,423	8,777	—	—	—	344	13	115	117	9
Dearborn (SC).....	—	—	—	179,701	—	—	—	—	—	—	—
Dillsboro (NC).....	—	—	—	739	—	—	—	—	—	—	—
Fishing Creek (SC).....	—	—	—	163,896	—	—	—	—	—	—	—
Franklin (NC).....	—	—	—	4,259	—	—	—	—	—	—	—
Gaston Shoals (SC).....	—	—	—	26,077	—	—	—	—	—	—	—
Great Falls (SC).....	—	—	—	44,557	—	—	—	—	—	—	—
Jocassee (SC).....	—	—	—	-171,404	—	—	—	—	—	—	—
Keowee (SC).....	—	—	—	86,189	—	—	—	—	—	—	—
Lee (SC).....	941,308	2,159	12,290	—	—	—	400	16	141	154	11
Lincoln (NC).....	—	75,886	707,237	—	—	—	—	168	9,589	—	222
Lookout Shoals (NC).....	—	—	—	112,917	—	—	—	—	—	—	—
Marshall (NC).....	13,552,059	19,876	—	—	—	—	4,983	31	—	403	10
Mc Guire (NC).....	—	—	—	—	18,750,906	—	—	—	—	—	—
Mission (NC).....	—	—	—	—	—	—	—	—	—	—	—
Mountain Island (NC).....	—	—	—	129,415	—	—	—	—	—	—	—
Nantahala (NC).....	—	—	—	231,626	—	—	—	—	—	—	—
Oconee (SC).....	—	—	—	—	17,424,368	—	—	—	—	—	—
Oxford (NC).....	—	—	—	90,257	—	—	—	—	—	—	—
Queens Creek (NC).....	—	—	—	4,743	—	—	—	—	—	—	—
Rhodhiss (NC).....	—	—	—	75,033	—	—	—	—	—	—	—
Riverbend (NC).....	1,553,046	5,679	19,281	—	—	—	673	12	199	234	25
Rocky Creek (SC).....	—	—	—	42,789	—	—	—	—	—	—	—
Tennessee Creek (NC).....	—	—	—	40,047	—	—	—	—	—	—	—
Thorpe (NC).....	—	—	—	102,458	—	—	—	—	—	—	—
Tuckasegee (NC).....	—	—	—	12,117	—	—	—	—	—	—	—
Tuxedo (NC).....	—	—	—	23,974	—	—	—	—	—	—	—
Wateree (SC).....	—	—	—	294,459	—	—	—	—	—	—	—
Wylie (SC).....	—	—	—	178,581	—	—	—	—	—	—	—
99 Islands (SC).....	—	—	—	71,582	—	—	—	—	—	—	—
Duquesne Lgt Co	4,545,196	22,005	22,967	—	4,484,627	—	2,037	85	250	408	31
Beaver Valley (PA).....	—	—	—	—	4,484,627	—	—	—	—	—	—
Brunot Island (PA).....	—	5,740	—	—	—	—	—	53	—	—	29
Cheswick (PA).....	2,271,393	—	22,967	—	—	—	914	—	250	260	—
Elrama (PA).....	2,273,803	16,265	—	—	—	—	1,123	32	—	148	2
Phillips, F (PA).....	—	—	—	—	—	—	—	—	—	—	—
Durant (City of)	—	286	—	—	—	—	—	*	—	—	*
Durant (IA).....	—	286	—	—	—	—	—	*	—	—	*
East Bay Mun Utility Dist	—	—	—	240,894	—	—	—	—	—	—	—
Camanche (CA).....	—	—	—	55,461	—	—	—	—	—	—	—
Pardee (CA).....	—	—	—	185,433	—	—	—	—	—	—	—
East Kentucky Power Coop	9,057,949	19,121	133,472	—	—	—	3,694	39	1,636	566	96
Cooper (KY).....	1,834,501	2,107	—	—	—	—	753	4	—	113	1
Dale (KY).....	1,026,778	2,486	—	—	—	—	481	5	—	46	*
Smith (KY).....	—	11,344	133,472	—	—	—	—	25	1,636	—	91
Spurlock, H L (KY).....	6,196,670	3,184	—	—	—	—	2,460	5	—	406	3
Eastern Maine Elec Coop	—	—	—	—	—	—	—	—	—	—	—
Portable (ME).....	—	—	—	—	—	—	—	—	—	—	—
Easton (City of)	—	6,068	213	—	—	—	—	12	3	—	14
Easton (MD).....	—	3,597	15	—	—	—	—	7	*	—	7
Easton No. 2 (MD).....	—	2,471	198	—	—	—	—	5	3	—	8
Edison Sault Electric Co	—	160	—	170,847	—	—	—	1	—	—	*
Edison Sault (MI).....	—	—	—	170,847	—	—	—	—	—	—	—
Manistique (MI).....	—	160	—	—	—	—	—	1	—	—	*

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Egegik Light & Power Co.....	—	800	—	—	—	—	—	2	—	—	—
Egegik (AK).....	—	800	—	—	—	—	—	2	—	—	—
El Paso Electric Co.....	—	—	3,162,428	—	—	—	—	—	34,960	—	70
Copper (TX).....	—	—	79,226	—	—	—	—	—	1,132	—	6
Newman (TX).....	—	—	2,154,676	—	—	—	—	—	23,254	—	33
Rio Grande (NM).....	—	—	928,526	—	—	—	—	—	10,574	—	31
Electra (City of).....	—	—	—	—	—	—	—	—	—	—	—
Electra (TX).....	—	—	—	—	—	—	—	—	—	—	—
Electric Energy Inc.....	8,069,291	1,013	19,665	—	—	—	4,936	2	195	610	*
Joppa Steam (IL).....	8,069,291	1,013	19,665	—	—	—	4,936	2	195	610	*
Elk River (City of).....	—	203	—	—	—	—	—	*	—	—	1
Elk River (MN).....	—	203	—	—	—	—	—	*	—	—	1
Ellinwood (City of).....	—	120	1,541	—	—	—	—	*	18	—	*
Ellinwood (KS).....	—	120	1,541	—	—	—	—	*	18	—	*
Elroy (City of).....	—	29	—	—	—	—	—	*	—	—	*
Elroy (WI).....	—	29	—	—	—	—	—	*	—	—	*
Emerson (City of).....	—	39	200	—	—	—	—	*	3	—	*
Emerson (NE).....	—	39	200	—	—	—	—	*	3	—	*
Empire District Elec Co.....	1,626,132	4,707	419,653	70,631	—	—	1,049	12	5,634	204	72
Asbury (MO).....	1,182,757	1,097	—	—	—	—	754	2	—	163	1
Energy Center (MO).....	—	—111	138,174	—	—	—	—	*	2,152	—	49
Ozark Beach (MO).....	—	—	—	70,631	—	—	—	—	—	—	—
Riverton (KS).....	443,375	38	21,477	—	—	—	294	*	358	40	8
State Line (MO).....	—	3,683	260,002	—	—	—	—	10	3,124	—	15
Enosburg Falls (Village).....	—	6	—	4,762	—	—	—	*	—	—	*
Diesel Pkt (VT).....	—	6	—	—	—	—	—	*	—	—	*
Kendall (VT).....	—	—	—	1,407	—	—	—	—	—	—	—
Village Pkt (VT).....	—	—	—	3,355	—	—	—	—	—	—	—
Ephraim (City of).....	—	—	—	8,315	—	—	—	—	—	—	—
No. 1 (UT).....	—	—	—	1,057	—	—	—	—	—	—	—
No. 3 (UT).....	—	—	—	6,923	—	—	—	—	—	—	—
No. 4 (UT).....	—	—	—	335	—	—	—	—	—	—	—
Erie (City of).....	—	—	—	—	—	—	—	—	—	—	—
Erie (KS).....	—	—	—	—	—	—	—	—	—	—	—
Escondido Mutual Water Co.....	—	—	—	3,197	—	—	—	—	—	—	—
Bear Valley (CA).....	—	—	—	3,061	—	—	—	—	—	—	—
Rincon Pwr (CA).....	—	—	—	136	—	—	—	—	—	—	—
Estherville (City of).....	—	9	137	—	—	—	—	*	1	—	*
Esterville (IA).....	—	9	137	—	—	—	—	*	1	—	*
Eugene (City of).....	—	—	—	433,676	—	—	—	—	—	—	—
Carmen (OR).....	—	—	—	278,111	—	—	—	—	—	—	—
Leaburg (OR).....	—	—	—	96,566	—	—	—	—	—	—	—
Waherville (OR).....	—	—	—	58,999	—	—	—	—	—	—	—
Willamette (OR).....	—	—	—	—	—	—	—	—	—	—	—
Fairbury (City of).....	—	—	5,323	—	—	—	—	—	86	—	1
Fairbury (NE).....	—	—	5,323	—	—	—	—	—	86	—	1
Fairfax (City of).....	—	—	—	—	—	—	—	—	—	—	—
Fairfax (MN).....	—	—	—	—	—	—	—	—	—	—	—
Fairfield (City of).....	—	—	—	—	—	—	—	—	—	—	—
Fairfield (IL).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Fairmont (City of).....	—	-49	8,699	—	—	—	—	1	157	—	1
Fairmont (MN).....	—	-49	8,699	—	—	—	—	1	157	—	1
Fairview (City of).....	—	—	—	—	—	—	—	—	—	—	—
Fairview (OK).....	—	—	—	—	—	—	—	—	—	—	—
Fall River Rural El Coop.....	—	—	—	62,192	—	—	—	—	—	—	—
Felt (ID).....	—	—	—	—	—	—	—	—	—	—	—
Island Park (ID).....	—	—	—	28,364	—	—	—	—	—	—	—
New Felt (ID).....	—	—	—	33,828	—	—	—	—	—	—	—
Falls City (City of).....	—	33	4,840	—	—	—	—	1	48	—	*
Falls City (NE).....	—	33	4,840	—	—	—	—	1	48	—	*
Farmer (City of).....	—	110	369	—	—	—	—	*	4	—	*
Farmer City (IL).....	—	110	369	—	—	—	—	*	4	—	*
Farmington (City of).....	—	—	180,165	120,359	—	—	—	—	1,726	—	—
Animas (NM).....	—	—	180,165	—	—	—	—	—	1,726	—	—
Navajo (NM).....	—	—	—	120,359	—	—	—	—	—	—	—
Farmington River Power Co.....	—	—	—	34,237	—	—	—	—	—	—	—
Rainbow (CT).....	—	—	—	34,237	—	—	—	—	—	—	—
Fayette (City of).....	—	301	—	—	—	—	—	1	—	—	*
Fayette (MO).....	—	301	—	—	—	—	—	1	—	—	*
Fayetteville (City of).....	—	450	175,394	—	—	—	—	2	1,979	—	65
Pod #2 (NC).....	—	450	175,394	—	—	—	—	2	1,979	—	65
Fennimore (City of).....	—	152	—	—	—	—	—	*	—	—	*
Fennimore (WI).....	—	152	—	—	—	—	—	*	—	—	*
Fishers Is Elec Corp (The.....	—	—	—	—	—	—	—	—	—	—	—
Fishers Isl (NY).....	—	—	—	—	—	—	—	—	—	—	—
Fitchburg Gas & Elec Lgt.....	—	285	—	—	—	—	—	1	—	—	—
Fitchburg (MA).....	—	285	—	—	—	—	—	1	—	—	—
Florida Keys El Coop Inc.....	—	981	—	—	—	—	—	3	—	—	8
Marathon (FL).....	—	981	—	—	—	—	—	3	—	—	8
Florida Power & Light Co.....	—	25,648,802	23,390,220	—	25,242,744	—	—	40,955	195,611	—	5,373
Cape Canaveral (FL).....	—	2,566,949	906,938	—	—	—	—	3,930	9,116	—	565
Cutler (FL).....	—	—	254,805	—	—	—	—	—	3,029	—	—
Fort Meyers (FL).....	—	3,385,356	—	—	—	—	—	5,223	—	—	461
Lauderdale (FL).....	—	31,530	6,878,592	—	—	—	—	76	53,779	—	162
Manatee (FL).....	—	5,422,707	—	—	—	—	—	8,932	—	—	1,388
Martin (FL).....	—	2,679,702	9,353,675	—	—	—	—	4,239	70,668	—	822
Port Everglades (FL).....	—	3,895,027	862,061	—	—	—	—	6,177	10,268	—	759
Putnam (FL).....	—	5,606	2,415,995	—	—	—	—	9	21,927	—	41
Riviera (FL).....	—	2,805,581	485,101	—	—	—	—	4,406	4,947	—	198
Sanford (FL).....	—	2,710,475	866,593	—	—	—	—	4,676	8,371	—	522
St. Lucie (FL).....	—	—	—	—	13,649,561	—	—	—	—	—	—
Turkey Point (FL).....	—	2,145,869	1,366,460	—	11,593,183	—	—	3,286	13,504	—	453
Florida Power Corporation.....	14,892,756	7,779,191	2,480,783	—	5,872,675	—	5,696	12,756	25,264	621	1,403
Anclote (FL).....	—	4,369,792	—	—	—	—	—	6,701	—	—	249
Avon Park (FL).....	—	7,723	12,941	—	—	—	—	23	200	—	6
Bartow Nth (FL).....	—	—	—	—	—	—	—	—	—	—	141
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—	128
Bartow Sth (FL).....	—	—	—	—	—	—	—	—	—	—	*
Bartow, P L (FL).....	—	2,400,304	153,410	—	—	—	—	3,802	1,959	—	181
Bayboro (FL).....	—	87,806	—	—	—	—	—	207	—	—	42
Crystal River (FL).....	14,892,756	57,586	—	—	5,872,675	—	5,696	96	—	621	15
Debary (FL).....	—	245,530	252,252	—	—	—	—	583	3,234	—	256
Higgins (FL).....	—	243	79,633	—	—	—	—	1	1,284	—	9

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Florida Power Corporation											
Hines Energy (FL).....	—	—	—	—	—	—	—	—	—	—	—
Intercession City (FL).....	—	257,885	413,677	—	—	—	—	622	5,153	—	211
Port St. Joe (FL).....	—	—	—	—	—	—	—	—	—	—	—
Rio Pinar (FL).....	—	2,124	—	—	—	—	—	7	—	—	2
Suwannee River (FL).....	—	297,743	184,472	—	—	—	—	574	2,634	—	113
Tiger Bay (FL).....	—	—	1,215,500	—	—	—	—	—	8,983	—	—
Turner, G E (FL).....	—	52,455	—	—	—	—	—	140	—	—	50
Univ Proj (FL).....	—	—	168,898	—	—	—	—	—	1,817	—	1
Floydada (City of)											
Floydada (TX).....	—	12	—	—	—	—	—	*	—	—	*
Forest City (City of)											
Forest City (IA).....	—	602	—	—	—	—	—	2	—	—	3
Fort Pierce (City of)											
King (FL).....	—	931	93,705	—	—	—	—	2	1,163	—	21
Franklin (City of)											
Franklin (NE).....	—	20	55	—	—	—	—	*	1	—	*
Fredonia (City of)											
Fredonia (KS).....	—	—	—	—	—	—	—	—	—	—	—
Freeburg (City of)											
Freeburg (IL).....	—	1,241	—	—	—	—	—	2	—	—	*
Freeport (Village of)											
Plant No 1 (NY).....	—	-2,216	—	—	—	—	—	4	—	—	6
Plant No 2 (NY).....	—	-847	—	—	—	—	—	1	—	—	1
Fremont (City of)											
Lon Wright (NE).....	288,803	1,409	10,285	—	—	—	195	2	123	62	1
Fulton (City of)											
Fulton (MO).....	—	462	1,694	—	—	—	—	1	26	—	3
Gainesville (City of)											
Deerhaven (FL).....	1,373,009	19,904	397,189	—	—	—	570	38	4,739	101	111
Kelly, J R (FL).....	1,373,009	12,479	298,417	—	—	—	570	23	3,485	101	69
Gallatin (City of)											
Gallatin (MO).....	—	—	—	—	—	—	—	—	—	—	—
Gardner (City of)											
Gardner (KS).....	—	—	23,846	—	—	—	—	—	394	—	—
Garkane Power Assn Inc											
Boulder (UT).....	—	—	—	28,326	—	—	—	—	—	—	—
Garland Mun Utils (City)											
Newman, C E (TX).....	—	175	1,294,203	—	—	—	—	2	14,350	—	107
Olinger, Ray (TX).....	—	—	79,456	—	—	—	—	—	1,003	—	17
Garnett (City of)											
Garnett (KS).....	—	175	1,214,747	—	—	—	—	2	13,348	—	89
Geneseo (City of)											
Geneseo (IL).....	—	2,893	2,256	—	—	—	—	4	30	—	1
Georgia Power Co											
Arkwright (GA).....	68,120,110	311	1,222	—	—	—	—	1	11	—	1
Atkinson (GA).....	217,701	311	1,222	—	—	—	—	1	11	—	1
Barnett Shoals (GA).....	—	628,412	714,533	2,380,599	31,380,401	—	29,891	1,508	8,626	3,319	588
Bartlett Ferry (GA).....	—	-18	164,023	—	—	—	120	*	1,976	41	17
Bowen (GA).....	—	4,958	273,938	—	—	—	—	20	3,951	—	101
See footnotes at end of table.											

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Georgia Power Co											
Burton (GA).....	—	—	—	21,653	—	—	—	—	—	—	—
Estatoah (GA).....	—	—	—	—	—	—	—	—	—	—	—
Flint River (GA).....	—	—	—	24,604	—	—	—	—	—	—	—
Goat Rock (GA).....	—	—	—	136,888	—	—	—	—	—	—	—
Hammond (GA).....	3,116,069	8,390	—	—	—	—	1,255	16	—	140	2
Harlee Branch (GA).....	8,157,822	13,433	—	—	—	—	3,241	23	—	264	1
Hatch, Edwin I. (GA).....	—	—	—	—	12,774,842	—	—	—	—	—	—
Langdale (GA).....	—	—	—	2,861	—	—	—	—	—	—	—
Lloyd Shoals (GA).....	—	—	—	68,599	—	—	—	—	—	—	—
Mcdonough, J (GA).....	3,493,055	2,391	144,667	—	—	—	1,336	5	1,223	—	—
Mcmanus (GA).....	—	243,532	—	—	—	—	—	651	—	—	131
Mitchell, W (GA).....	517,821	82,275	—	—	—	—	238	167	—	5	42
Morgan Falls (GA).....	—	—	—	64,860	—	—	—	—	—	—	—
Nacoochee (GA).....	—	—	—	15,086	—	—	—	—	—	—	—
North Highlands (GA).....	—	—	—	151,355	—	—	—	—	—	—	—
Oliver Dam (GA).....	—	—	—	249,308	—	—	—	—	—	—	—
Riverview (GA).....	—	—	—	1,443	—	—	—	—	—	—	—
Robins (GA).....	—	16,931	131,905	—	—	—	—	29	1,476	—	32
Scherer (GA).....	17,987,632	10,098	—	—	—	—	9,987	20	—	1,357	21
Sinclair Dam (GA).....	—	—	—	164,777	—	—	—	—	—	—	—
Tallulah Falls (GA).....	—	—	—	171,362	—	—	—	—	—	—	—
Terrora (GA).....	—	—	—	52,083	—	—	—	—	—	—	—
Tugalo (GA).....	—	—	—	131,342	—	—	—	—	—	—	—
Vogtle (GA).....	—	—	—	—	18,605,559	—	—	—	—	—	—
Wallace Dam (GA).....	—	—	—	518,512	—	—	—	—	—	—	—
Wansley (GA).....	9,844,352	46,254	—	—	—	—	3,973	82	—	403	33
Wilson (GA).....	—	143,408	—	—	—	—	—	392	—	—	194
Yates (GA).....	4,803,709	7,606	—	—	—	—	1,967	14	—	380	3
Yonah (GA).....	—	—	—	60,140	—	—	—	—	—	—	—
Girard (City of)											
Girard (KS).....	—	—	—	—	—	—	—	—	—	—	—
Glencoe (City of)											
Glencoe (MN).....	—	2,571	2,434	—	—	—	—	4	24	—	1
	—	2,571	2,434	—	—	—	—	4	24	—	1
Glendale (City of)											
Grayson (CA).....	—	—	227,204	—	—	—	—	—	2,898	—	40
	—	—	227,204	—	—	—	—	—	2,898	—	40
Golden Valley Elec Assn											
Chena (AK).....	171,053	454,897	—	—	—	—	162	829	—	—	5
Fairbanks (AK).....	14,514	2	—	—	—	—	15	*	—	—	*
Healy (AK).....	—	1,448	—	—	—	—	—	7	—	—	2
North Pole (AK).....	156,539	1,699	—	—	—	—	146	7	—	—	1
	—	451,748	—	—	—	—	—	815	—	—	1
Goodland (City of)											
Goodland (KS).....	—	600	4,064	—	—	—	—	1	46	—	2
	—	600	4,064	—	—	—	—	1	46	—	2
Gouverneur (City of)											
Gouverneur (NY).....	—	—	—	—	—	—	—	—	—	—	—
Gowrie (City of)											
Gowrie (IA).....	—	—	—	—	—	—	—	—	—	—	*
	—	—	—	—	—	—	—	—	—	—	*
Graettinger (City of)											
Graettinger (IA).....	—	—	—	—	—	—	—	—	—	—	—
Grafton (City of)											
Grafton (ND).....	—	—	—	—	—	—	—	—	—	—	—
Grand Haven (City of)											
Harbor Avenue (MI).....	379,474	196	435	—	—	—	196	*	4	80	10
J B Simms (MI).....	—	196	435	—	—	—	—	*	4	—	10
	379,474	—	—	—	—	—	196	—	—	80	—
Grand Island (City of)											
Burdick, C W (NE).....	541,341	3,199	36,048	—	—	—	339	7	464	82	56
Platte (NE).....	—	3,199	36,048	—	—	—	—	7	464	—	56
	541,341	—	—	—	—	—	339	—	—	82	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Grand Junction (City of).....	—	85	—	—	—	—	—	*	—	—	*
Grand Junction (IA).....	—	85	—	—	—	—	—	*	—	—	*
Grand Marais (Village of).....	—	199	—	—	—	—	—	*	—	—	*
Grand Marais (MN).....	—	199	—	—	—	—	—	*	—	—	*
Grand River Dam Authority.....	5,994,334	18	33,747	818,236	—	—	3,748	*	364	764	2
GRDA No 1 (OK).....	5,994,334	18	33,747	—	—	—	3,748	*	364	764	2
Markham (OK).....	—	—	—	391,202	—	—	—	—	—	—	—
Pensacola (OK).....	—	—	—	515,769	—	—	—	—	—	—	—
Salina (OK).....	—	—	—	-88,735	—	—	—	—	—	—	—
Granite Falls (City of).....	—	—	—	3,453	—	—	—	—	—	—	—
Granite Falls (MN).....	—	—	—	3,453	—	—	—	—	—	—	—
Grant Pub Util Dist #2.....	—	—	—	9,363,098	—	—	—	—	—	—	—
Pec Hdws (WA).....	—	—	—	445	—	—	—	—	—	—	—
Priest Rapids (WA).....	—	—	—	4,304,686	—	—	—	—	—	—	—
Quincy Chut (WA).....	—	—	—	29,075	—	—	—	—	—	—	—
Wanapum (WA).....	—	—	—	5,028,892	—	—	—	—	—	—	—
Green Mountain Power Corp.....	—	36,477	—	165,538	—	—	—	88	—	—	12
Berlin (VT).....	—	29,372	—	—	—	—	—	69	—	—	9
Bolton Falls (VT).....	—	—	—	33,164	—	—	—	—	—	—	—
Carthusians (VT).....	—	—	—	—	—	—	—	—	—	—	—
Colchester (VT).....	—	4,548	—	—	—	—	—	14	—	—	2
Essex Junction 19 (VT).....	—	1,080	—	56,162	—	—	—	2	—	—	*
Gorge 18 (VT).....	—	—	—	14,992	—	—	—	—	—	—	—
Marshfield 6 (VT).....	—	—	—	8,663	—	—	—	—	—	—	—
Middlesex 2 (VT).....	—	—	—	16,108	—	—	—	—	—	—	—
Searsburg (VT).....	—	—	—	—	—	—	—	—	—	—	—
Vergennes 9 (VT).....	—	1,477	—	9,534	—	—	—	3	—	—	*
Waterbury 22 (VT).....	—	—	—	22,023	—	—	—	—	—	—	—
West Danville 15 (VT).....	—	—	—	4,892	—	—	—	—	—	—	—
Greenfield (City of).....	—	406	—	—	—	—	—	1	—	—	*
Greenfield (IA).....	—	406	—	—	—	—	—	1	—	—	*
Greenport (City of).....	—	-205	—	—	—	—	—	*	—	—	*
Greenport (NY).....	—	-205	—	—	—	—	—	*	—	—	*
Greensburg (City of).....	—	50	1,188	—	—	—	—	*	14	—	*
Greensburg (KS).....	—	50	1,188	—	—	—	—	*	14	—	*
Greenville (City of).....	—	—	—	—	—	—	—	—	—	—	—
Steam (TX).....	—	—	—	—	—	—	—	—	—	—	—
Steam (TX).....	—	—	—	—	—	—	—	—	—	—	—
Greenwood Utils (City of).....	—	1	41,517	—	—	—	—	*	587	9	6
Henderson (MS).....	—	1	35,625	—	—	—	—	*	529	9	4
Wright (MS).....	—	—	5,892	—	—	—	—	—	57	*	2
Gresham (City of).....	—	—	—	3,280	—	—	—	—	—	—	—
Lower Weed (WI).....	—	—	—	1,449	—	—	—	—	—	—	—
Upper Weed (WI).....	—	—	—	1,831	—	—	—	—	—	—	—
Grundy Center (City of).....	—	475	12	—	—	—	—	1	*	—	*
Grundy Center (IA).....	—	475	12	—	—	—	—	1	*	—	*
Guadalupe-Blanco Rvr Auth.....	—	—	—	83,852	—	—	—	—	—	—	—
Abbott Tp 3 (TX).....	—	—	—	13,581	—	—	—	—	—	—	—
Canyon (TX).....	—	—	—	20,318	—	—	—	—	—	—	—
Dunlap Tp 1 (TX).....	—	—	—	19,445	—	—	—	—	—	—	—
H-4 (TX).....	—	—	—	2,101	—	—	—	—	—	—	—
H-5 (TX).....	—	—	—	8,456	—	—	—	—	—	—	—
Nolte (TX).....	—	—	—	8,987	—	—	—	—	—	—	—
Nolte (TX).....	—	—	—	10,964	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Gulf Power Company.....	8,170,880	31,440	230,956	—	—	—	3,617	57	2,518	246	10
Crist (FL).....	5,566,521	3,184	230,956	—	—	—	2,468	6	2,518	173	2
Scholz (FL).....	270,171	187	—	—	—	—	138	*	—	13	*
Smith (FL).....	2,334,188	28,069	—	—	—	—	1,011	51	—	60	8
Gulf States Utilities Co.....	3,079,968	24,977	19,376,673	316,752	7,826,197	—	1,995	55	204,688	330	663
Lewis Creek (TX).....	—	—	2,472,074	—	—	—	—	—	27,128	—	34
Louisiana 1 (LA).....	—	—	1,315,344	—	—	—	—	—	11,313	—	—
Louisiana 2 (LA).....	—	—	—	—	—	—	—	—	—	—	—
Neches (TX).....	—	—	—	—	—	—	—	—	—	—	—
Nelson, R S (LA).....	3,079,968	8,650	2,269,089	—	—	—	1,995	17	24,673	330	109
River Bend (LA).....	—	—	—	—	7,826,197	—	—	—	—	—	—
Sabine (TX).....	—	104	9,175,350	—	—	—	—	*	79,757	—	*
Toledo Bend (TX).....	—	—	—	316,752	—	—	—	—	—	—	—
Willow Glen (LA).....	—	16,223	4,144,816	—	—	—	—	38	61,817	—	520
Gwitchyaa Zhee Utility Co.....	—	257	—	—	—	—	—	*	—	—	*
Gwitchyaa Zhee (AK).....	—	257	—	—	—	—	—	*	—	—	*
GPU Nuclear Corp.....	—	—	—	—	11,381,436	—	—	—	—	—	—
Oyster Creek (NJ).....	—	—	—	—	4,322,234	—	—	—	—	—	—
Three Mile Island (PA).....	—	—	—	—	7,059,202	—	—	—	—	—	—
Haines Light & Pwr Co.....	—	8,538	—	—	—	—	—	15	—	—	*
Haines (AK).....	—	8,538	—	—	—	—	—	15	—	—	*
Halstad (City of).....	—	9	—	—	—	—	—	*	—	—	*
Halstad (MN).....	—	9	—	—	—	—	—	*	—	—	*
Hamilton (City of).....	325,454	63	31,640	239,500	—	—	172	*	416	6	3
Hamilton (OH).....	325,454	63	31,640	—	—	—	172	*	416	6	3
Hamilton Hydro (OH).....	—	—	—	4,482	—	—	—	—	—	—	—
Vanceburg Hydro (KY).....	—	—	—	235,018	—	—	—	—	—	—	—
Hardwick (Village of).....	—	—	—	2,959	—	—	—	—	—	—	—
Hardwick (VT).....	—	—	—	—	—	—	—	—	—	—	—
Wolcott (VT).....	—	—	—	2,959	—	—	—	—	—	—	—
Hart (City of).....	—	194	—	193	—	—	—	*	—	—	*
Hart (MI).....	—	194	—	—	—	—	—	*	—	—	*
Hart Hydro (MI).....	—	—	—	193	—	—	—	—	—	—	—
Hartley (City of).....	—	—	—	—	—	—	—	—	—	—	—
Hartley (IA).....	—	—	—	—	—	—	—	—	—	—	—
Hastings (City of).....	438,471	1,849	16,621	—	—	—	292	4	257	56	11
Don Henry (NE).....	—	30	1,759	—	—	—	—	*	30	—	2
North Denver (NE).....	—	1,711	14,862	—	—	—	—	4	228	—	7
Whelan (NE).....	438,471	108	—	—	—	—	292	*	—	56	3
Hawaii Electric Light Co.....	—	595,277	—	13,750	—	—	—	1,319	—	—	63
Kanoelohua (HI).....	—	22,315	—	—	—	—	—	42	—	—	4
Keahole (HI).....	—	81,715	—	—	—	—	—	181	—	—	5
Lalamilo (HI).....	—	—	—	—	—	312	—	—	—	—	—
Puna (HI).....	—	198,252	—	—	—	—	—	456	—	—	18
Puueo (HI).....	—	—	—	9,913	—	—	—	—	—	—	—
Shipman (HI).....	—	40,914	—	—	—	—	—	113	—	—	5
W. H. Hill (HI).....	—	246,528	—	—	—	—	—	517	—	—	30
Waiau (HI).....	—	—	—	3,837	—	—	—	—	—	—	—
Waimea (HI).....	—	5,553	—	—	—	—	—	10	—	—	2
Hawaiian Elec Co Inc.....	—	4,312,890	—	—	—	—	—	7,156	—	—	660
Honolulu (HI).....	—	56,587	—	—	—	—	—	136	—	—	51
Kahe (HI).....	—	3,091,935	—	—	—	—	—	5,036	—	—	214
Oil Storage (CA).....	—	—	—	—	—	—	—	—	—	—	241
Waiau (HI).....	—	1,164,368	—	—	—	—	—	1,983	—	—	154

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Haxton (City of).....	—	—	—	—	—	—	—	—	—	—	—
Haxton (CO).....	—	—	—	—	—	—	—	—	—	—	—
Heber (City of).....	—	581	413	8,917	—	—	—	1	7	—	*
Gas Generation (UT).....	—	581	413	—	—	—	—	1	7	—	*
Lake Creek (UT).....	—	—	—	5,582	—	—	—	—	—	—	—
Snake Creek (UT).....	—	—	—	3,335	—	—	—	—	—	—	—
Henderson (City of).....	50,116	12	—	—	—	—	33	*	—	*	*
Henderson (KY).....	50,116	12	—	—	—	—	33	*	—	*	*
Herington (City of).....	—	1,013	699	—	—	—	—	3	6	—	1
Herington (KS).....	—	1,013	699	—	—	—	—	3	6	—	1
Herndon (City of).....	—	—	—	—	—	—	—	—	—	—	—
City Lght Plant (KS).....	—	—	—	—	—	—	—	—	—	—	—
Hetch Hetchy Water & Pwr.....	—	—	—	2,058,087	—	—	—	—	—	—	—
Holm, Dion R (CA).....	—	—	—	943,791	—	—	—	—	—	—	—
Kirkwood, Robert C (CA).....	—	—	—	678,780	—	—	—	—	—	—	—
Moccasin (CA).....	—	—	—	425,879	—	—	—	—	—	—	—
Moccasin Low (CA).....	—	—	—	9,637	—	—	—	—	—	—	—
Hibbing (City of).....	23,129	—	17	—	—	—	29	—	*	1	—
Hibbing (MN).....	23,129	—	17	—	—	—	29	—	*	1	—
Higginsville (City of).....	—	—	—	—	—	—	—	—	—	—	—
Higginsville (MO).....	—	—	—	—	—	—	—	—	—	—	—
Highland (City of).....	—	1,557	110	—	—	—	—	3	2	—	—
Highland (IL).....	—	1,557	110	—	—	—	—	3	2	—	—
Hill City (City of).....	—	19	84	—	—	—	—	*	1	—	*
Hill City (KS).....	—	19	84	—	—	—	—	*	1	—	*
Hillsdale (City of).....	—	400	4,685	—	—	—	—	1	41	—	2
Hillsdale (MI).....	—	400	4,685	—	—	—	—	1	41	—	2
Hoisington (City of).....	—	200	843	—	—	—	—	*	9	—	*
Hoisington (KS).....	—	200	843	—	—	—	—	*	9	—	*
Holdrege (City of).....	—	507	—	—	—	—	—	1	—	—	*
Holdrege (NE).....	—	507	—	—	—	—	—	1	—	—	*
Holland (City of).....	318,105	963	55,524	—	—	—	165	3	727	80	7
James De Young (MI).....	318,105	170	235	—	—	—	165	*	3	80	*
48 Street (MI).....	—	519	55,289	—	—	—	—	2	724	—	6
6Th Street (MI).....	—	274	—	—	—	—	—	1	—	—	*
Holly (Town of).....	—	—	—	—	—	—	—	—	—	—	—
Holly (CO).....	—	—	—	—	—	—	—	—	—	—	—
Holton (City of).....	—	700	6,204	—	—	—	—	1	121	—	1
Holton (KS).....	—	700	6,204	—	—	—	—	1	121	—	1
Holyoke (City of).....	—	-120	-2,052	6,236	—	—	—	*	40	—	19
Cabot-Holyoke (MA).....	—	-120	-2,052	6,236	—	—	—	*	40	—	19
Holyoke (City of).....	—	—	—	—	—	—	—	—	—	—	—
Holyoke (CO).....	—	—	—	—	—	—	—	—	—	—	—
Holyoke Wtr Pwr Co.....	964,889	2,794	—	231,957	—	—	368	5	—	89	*
Boatlock (MA).....	—	—	—	12,382	—	—	—	—	—	—	—
Chemical (MA).....	—	—	—	3,007	—	—	—	—	—	—	—
Hadley Falls (MA).....	—	—	—	194,474	—	—	—	—	—	—	—
Holbrook, Beebe (MA).....	—	—	—	1,227	—	—	—	—	—	—	—
Mt Tom (MA).....	964,889	2,794	—	—	—	—	368	5	—	89	*

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Holyoke Wtr Pwr Co											
Riverside (MA).....	—	—	—	19,889	—	—	—	—	—	—	—
Skinner (MA).....	—	—	—	978	—	—	—	—	—	—	—
Homer Electric Assn Inc.											
Seldovia (AK).....	—	52	—	—	—	—	—	*	—	—	*
	—	52	—	—	—	—	—	*	—	—	*
Homestead (City of)											
G W Ivey (FL).....	—	7,571	68,137	—	—	—	—	15	726	—	7
	—	7,571	68,137	—	—	—	—	15	726	—	7
Hoosier Energy Rural	8,614,291	10,028	—	—	—	—	4,012	18	—	534	9
Merom (IN).....	7,004,001	8,344	—	—	—	—	3,274	15	—	499	8
Ratts (IN).....	1,610,290	1,684	—	—	—	—	738	3	—	35	*
Hopkinton (City of)											
Hopkinton (IA).....	—	101	—	—	—	—	—	*	—	—	*
	—	101	—	—	—	—	—	*	—	—	*
Houston Lighting & Pwr Co	28,493,559	4,802	25,053,945	—	20,833,870	—	19,660	10	253,978	1,524	176
Bertron, Sam (TX).....	—	—	1,341,705	—	—	—	—	—	14,743	—	—
Cedar Bayou (TX).....	—	1,951	7,087,940	—	—	—	—	4	70,286	—	106
Clarke, Hiram (TX).....	—	—	8,549	—	—	—	—	—	158	—	—
Deepwater (TX).....	—	—	139,298	—	—	—	—	—	1,739	—	—
Greens Bayou (TX).....	—	2,851	938,377	—	—	—	—	6	10,624	—	70
Limestone (TX).....	11,072,177	—	95,030	—	—	—	8,878	—	983	373	—
Oil Storage (TX).....	—	—	—	—	—	—	—	—	—	—	—
Parish, W A (TX).....	17,421,382	—	2,620,604	—	—	—	10,783	—	26,826	1,151	—
Robinson, P H (TX).....	—	—	7,805,085	—	—	—	—	—	77,860	—	—
San Jacinto (TX).....	—	—	1,314,438	—	—	—	—	—	15,283	—	—
South Texas (TX).....	—	—	—	—	20,833,870	—	—	—	—	—	—
Webster (TX).....	—	—	881,502	—	—	—	—	—	9,021	—	—
Wharton, T H (TX).....	—	—	2,821,417	—	—	—	—	—	26,456	—	—
Hudson (City of)											
Cherry Street (MA).....	—	1,251	2,358	—	—	—	—	2	27	—	6
	—	1,251	2,358	—	—	—	—	2	27	—	6
Hughes Power & Light Co											
Hughes (AK).....	—	—	—	—	—	—	—	—	—	—	—
Hugoton (City of)											
Hugoton (KS).....	—	2,450	31,127	—	—	—	—	5	343	—	1
Hugoton #2 (KS).....	—	50	576	—	—	—	—	*	7	—	*
	—	2,400	30,551	—	—	—	—	5	336	—	*
Hutchinson (City of)											
Plant No. 1 (MN).....	—	4,161	213,786	—	—	—	—	10	1,818	—	4
Plant No. 2 (MN).....	—	489	25,194	—	—	—	—	1	279	—	1
	—	3,672	188,592	—	—	—	—	9	1,539	—	3
Hyrum (City of)											
Hyrum (UT).....	—	—	—	3,250	—	—	—	—	—	—	—
	—	—	—	3,250	—	—	—	—	—	—	—
I-N-N Electric Coop.											
I-N-N Electric (AK).....	—	359	—	—	—	—	—	1	—	—	1
	—	359	—	—	—	—	—	1	—	—	1
Idaho Falls (City of)											
City Power Plant (ID).....	—	—	—	339,718	—	—	—	—	—	—	—
Gem State (ID).....	—	—	—	54,800	—	—	—	—	—	—	—
Lower (ID).....	—	—	—	168,487	—	—	—	—	—	—	—
Lower #1 (ID).....	—	—	—	8,663	—	—	—	—	—	—	—
Upper Power Plant (ID).....	—	—	—	52,927	—	—	—	—	—	—	—
	—	—	—	54,841	—	—	—	—	—	—	—
Idaho Power Co											
American Falls (ID).....	—	253	—	11,142,265	—	—	—	1	—	—	*
Bliss (ID).....	—	—	—	596,075	—	—	—	—	—	—	—
Brownlee (ID).....	—	—	—	491,807	—	—	—	—	—	—	—
Cascade (ID).....	—	—	—	3,318,724	—	—	—	—	—	—	—
Clear Lake (ID).....	—	—	—	57,809	—	—	—	—	—	—	—
Hells Canyon (OR).....	—	—	—	15,459	—	—	—	—	—	—	—
Lower Malad (ID).....	—	—	—	2,794,082	—	—	—	—	—	—	—
	—	—	—	120,924	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Idaho Power Co											
Lower Salmon (ID)	—	—	—	408,189	—	—	—	—	—	—	—
Milner (ID)	—	—	—	354,640	—	—	—	—	—	—	—
Oxbow (OR)	—	—	—	1,371,031	—	—	—	—	—	—	—
Salmon (ID)	—	253	—	—	—	—	—	1	—	—	*
Shoshone Falls (ID)	—	—	—	101,571	—	—	—	—	—	—	—
Strike, C J (ID)	—	—	—	635,718	—	—	—	—	—	—	—
Swan Falls (ID)	—	—	—	139,693	—	—	—	—	—	—	—
Thousand Springs (ID)	—	—	—	60,996	—	—	—	—	—	—	—
Twin Falls (ID)	—	—	—	349,138	—	—	—	—	—	—	—
Upper Malad (ID)	—	—	—	64,767	—	—	—	—	—	—	—
Upper Salmon (ID)	—	—	—	148,458	—	—	—	—	—	—	—
Upper Salmon (ID)	—	—	—	113,184	—	—	—	—	—	—	—
Illinois Power Co	16,939,757	240,659	192,630	—	-95,679	—	7,922	103	2,653	888	82
Baldwin (IL)	10,375,432	7,326	—	—	—	—	4,794	13	—	613	2
Clinton (IL)	—	—	—	—	-95,679	—	—	—	—	—	—
Havana (IL)	1,898,638	45,064	2,711	—	—	—	920	82	30	87	72
Hennepin (IL)	1,593,486	123,212	11,216	—	—	—	742	6	111	42	—
Oglesby (IL)	—	263	13,804	—	—	—	—	1	242	—	8
Stallings (IL)	—	—	11,906	—	—	—	—	—	237	—	—
Vermilion (IL)	875,789	662	18,979	—	—	—	475	1	208	32	*
Wood River (IL)	2,196,412	64,132	134,014	—	—	—	990	—	1,825	114	—
Imperial Irrigation Dist	—	137	356,091	358,471	—	—	—	*	3,574	—	135
Brawley (CA)	—	—	—	—	—	—	—	—	—	—	—
Coachella (CA)	—	—	2,620	—	—	—	—	—	41	—	12
Double Weir (CA)	—	—	—	—	—	—	—	—	—	—	—
Drop No 1 (CA)	—	—	—	20,844	—	—	—	—	—	—	—
Drop No. 5 (CA)	—	—	—	18,651	—	—	—	—	—	—	—
Drop 2 (CA)	—	—	—	57,831	—	—	—	—	—	—	—
Drop 3 (CA)	—	—	—	53,536	—	—	—	—	—	—	—
Drop 4 (CA)	—	—	—	108,090	—	—	—	—	—	—	—
E Highline (CA)	—	—	—	5,730	—	—	—	—	—	—	—
El Centro (CA)	—	—	350,349	—	—	—	—	—	3,456	—	105
Pilot Knob (CA)	—	—	—	92,173	—	—	—	—	—	—	—
Rockwood (CA)	—	137	3,122	—	—	—	—	*	77	—	18
Turnip (CA)	—	—	—	1,616	—	—	—	—	—	—	—
Independence (City of)	—	1,233	274	—	—	—	—	2	3	—	1
Independence (IA)	—	1,233	274	—	—	—	—	2	3	—	1
Independence (City of)	216,673	2,469	30,892	—	—	—	139	13	444	27	17
Blue Valley (MO)	195,538	25	20,510	—	—	—	126	*	267	14	10
Jackson Square (MO)	—	2,818	—	—	—	—	—	9	—	—	2
Missouri City (MO)	21,135	-1,126	—	—	—	—	13	1	—	13	1
Station H (MO)	—	209	10,382	—	—	—	—	1	177	—	1
Station I (MO)	—	543	—	—	—	—	—	2	—	—	2
Indiana Michigan Power Co	22,104,480	51,004	—	114,791	—	—	11,900	88	—	1,186	17
Berrien Springs (MI)	—	—	—	37,268	—	—	—	—	—	—	—
Buchanan (MI)	—	—	—	17,886	—	—	—	—	—	—	—
Constantine (MI)	—	—	—	4,793	—	—	—	—	—	—	—
Cook, Donald C. (MI)	—	—	—	—	—	—	—	—	—	—	—
Elkhart (IN)	—	—	—	18,269	—	—	—	—	—	—	—
Fourth Street (IN)	—	—	—	—	—	—	—	—	—	—	*
Mottville (MI)	—	—	—	7,420	—	—	—	—	—	—	—
Rockport (IN)	17,457,530	33,343	—	—	—	—	10,044	58	—	918	13
Tanners Creek (IN)	4,646,950	17,661	—	—	—	—	1,857	30	—	268	4
Twin Branch (IN)	—	—	—	29,155	—	—	—	—	—	—	—
Indiana Mun Power Agency	—	938	26,901	—	—	—	—	2	348	—	12
Anderson (IN)	—	938	26,901	—	—	—	—	2	348	—	12
Indiana-Kentucky El Corp	8,722,287	2,709	—	—	—	—	4,416	5	—	582	3
Clifty Creek (IN)	8,722,287	2,709	—	—	—	—	4,416	5	—	582	3

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Indianapolis Pwr & Lgt Co.	16,151,551	23,423	85,204	—	—	—	7,686	54	894	1,697	83
Perry K (IN).....	640	—	17,196	—	—	—	3	—	—	55	5
Petersburg (IN).....	11,700,877	6,977	—	—	—	—	5,529	12	—	1,163	9
Pritchard, H T (IN).....	1,075,874	6,342	—	—	—	—	576	13	—	235	10
Stout, Elmer W (IN).....	3,374,160	10,104	68,008	—	—	—	1,578	29	894	245	59
Indianola (City of)	—	682	19	—	—	—	—	4	3	—	21
Indianola (IA).....	—	682	19	—	—	—	—	4	3	—	21
International Bound & Water											
Comm.....	—	—	—	128,359	—	—	—	—	—	—	—
Amistad (TX).....	—	—	—	95,962	—	—	—	—	—	—	—
Falcon (TX).....	—	—	—	32,397	—	—	—	—	—	—	—
Interstate Power Co.	2,586,313	20,620	125,327	—	—	—	1,539	53	1,482	725	20
Dubuque (IA).....	294,532	155	1,302	—	—	—	182	*	17	95	*
Fox Lake (MN).....	—	3,678	118,684	—	—	—	—	10	1,405	—	12
Hills (MN).....	—	-87	—	—	—	—	—	*	—	—	*
Kapp, M L (IA).....	1,069,547	—	5,341	—	—	—	518	—	60	214	—
Lansing (IA).....	1,222,234	4,407	—	—	—	—	839	10	—	417	2
Lime Creek (IA).....	—	10,486	—	—	—	—	—	27	—	—	4
Montgomery (MN).....	—	2,015	—	—	—	—	—	6	—	—	2
New Albin (IA).....	—	-34	—	—	—	—	—	*	—	—	*
Rushford (MN).....	—	—	—	—	—	—	—	—	—	—	—
Iola (City of)	—	5,057	8,280	—	—	—	—	11	161	—	2
Iola (KS).....	—	5,057	8,280	—	—	—	—	11	161	—	2
Ipswich (City of)	—	454	1,167	—	—	—	—	1	16	—	1
Ipswich (MA).....	—	454	1,167	—	—	—	—	1	16	—	1
IES Utilities Co.	7,614,292	40,282	143,290	8,872	3,767,513	—	4,944	98	2,235	808	37
Ames (IA).....	—	111	—	—	—	—	—	*	—	—	1
Anamosa (IA).....	—	—	—	1,081	—	—	—	—	—	—	—
Arnold, Duane (IA).....	—	—	—	—	3,767,513	—	—	—	—	—	—
Burlington (IA).....	1,062,326	80	5,639	—	—	—	675	*	99	75	1
Centerville (IA).....	—	2,359	—	—	—	—	—	9	—	—	6
Grinnell (IA).....	—	—	8,429	—	—	—	—	—	142	—	—
Iowa Falls (IA).....	—	—	—	1,452	—	—	—	—	—	—	—
Maquoketa (IA).....	—	—	—	6,339	—	—	—	—	—	—	—
Marshalltown (IA).....	—	32,635	—	—	—	—	—	79	—	—	21
Ottumwa (IA).....	4,704,589	4,710	—	—	—	—	3,040	9	—	522	8
Prairie Creek (IA).....	865,839	387	32,430	—	—	—	539	1	338	85	*
Sutherland (IA).....	871,937	—	44,833	—	—	—	567	—	529	123	—
6Th Street (IA).....	109,601	—	51,959	—	—	19,076	122	—	1,126	4	1
Jackson (City of)	—	1,512	—	—	—	—	—	3	—	—	1
Jackson (MO).....	—	1,512	—	—	—	—	—	3	—	—	1
Jacksonville (City of)	8,069,633	5,157,783	595,656	—	—	—	3,241	5,361	5,885	348	1,321
Kennedy, J D (FL).....	—	255,675	28,590	—	—	—	—	489	335	—	239
Northside (FL).....	—	2,670,379	435,643	—	—	—	—	4,351	4,236	—	899
Southside (FL).....	—	289,932	131,423	—	—	—	—	477	1,314	—	178
St. Johns River.....	8,069,633	1,941,797	—	—	—	—	3,241	44	—	348	4
Jamestown (City of)	160,662	425	—	—	—	—	96	1	—	4	*
Carlson, S A (NY).....	160,662	425	—	—	—	—	96	1	—	4	*
Janesville (City of)	—	60	338	—	—	—	—	*	5	—	*
Janesville (MN).....	—	60	338	—	—	—	—	*	5	—	*
Jasper (City of)	44,943	—	—	—	—	—	33	—	—	1	—
Jasper 2 (IN).....	44,943	—	—	—	—	—	33	—	—	1	—
Jersey Central Power&Light											
Co.....	—	94,065	497,955	-146,233	—	—	—	156	6,526	—	252
Forked River (NJ).....	—	8,237	29,277	—	—	—	—	20	394	—	10

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Jersey Central Power&Light Co											
Gardner, Glen (NJ).....	—	661	31,399	—	—	—	—	5	492	—	16
Gilbert (NJ).....	—	48,716	346,474	—	—	—	—	41	4,215	—	145
Sayreville (NJ).....	—	6,760	90,805	—	—	—	—	17	1,425	—	65
Werner (NJ).....	—	29,691	—	—	—	—	—	74	—	—	16
Yards Creek (NJ).....	—	—	—	-146,233	—	—	—	—	—	—	—
Jetmore (City of).....	—	—	—	—	—	—	—	—	—	—	—
Jetmore (KS).....	—	—	—	—	—	—	—	—	—	—	—
Johnson (City of).....	—	194	1,425	—	—	—	—	1	15	—	1
Johnson (KS).....	—	194	1,425	—	—	—	—	1	15	—	1
Julesburg (Town of).....	—	—	—	—	—	—	—	—	—	—	—
Julesburg (CO).....	—	—	—	—	—	—	—	—	—	—	—
Kahoka (City of).....	—	70	232	—	—	—	—	*	3	—	*
Kahoka (MO).....	—	70	232	—	—	—	—	*	3	—	*
Kansas City (City of).....	2,484,817	15,039	23,831	—	—	—	1,528	44	479	346	14
Kaw (KS).....	—	—	—	—	—	—	—	—	—	—	*
Nearman Creek (KS).....	1,526,938	3,862	—	—	—	—	1,030	7	—	275	4
Quindaro (KS).....	957,879	11,177	23,831	—	—	—	498	37	479	71	10
Kansas City Pwr & Lgt Co.....	16,632,939	214,712	145,857	—	—	—	10,476	459	1,595	1,611	141
Grand Ave (MO).....	—	—	—	—	—	—	—	—	—	—	—
Hawthorn (MO).....	1,821,969	6,052	145,857	—	—	—	1,148	13	1,595	185	3
Iatan (MO).....	4,730,188	5,961	—	—	—	—	2,778	11	—	356	9
La Cygne (KS).....	7,574,301	46,369	—	—	—	—	4,927	84	—	803	20
Montrose (MO).....	2,506,481	11,850	—	—	—	—	1,622	21	—	267	11
Northeast (MO).....	—	144,480	—	—	—	—	—	331	—	—	99
Kauai Electric Company.....	—	347,749	—	—	—	—	—	631	—	—	—
Port Allen (HI).....	—	347,749	—	—	—	—	—	631	—	—	—
Kaukauna (City of).....	—	2,436	1,303	135,605	—	—	—	3	26	—	2
Combined Locks (WI).....	—	—	—	37,640	—	—	—	—	—	—	—
Kaukauna (WI).....	—	2,436	1,303	—	—	—	—	3	26	—	2
Kaukauna Hydro (WI).....	—	—	—	33,184	—	—	—	—	—	—	—
Little Chute (WI).....	—	—	—	19,689	—	—	—	—	—	—	—
New Badger (WI).....	—	—	—	17,713	—	—	—	—	—	—	—
Old Badger (WI).....	—	—	—	13,412	—	—	—	—	—	—	—
Rapide Croche (WI).....	—	—	—	13,967	—	—	—	—	—	—	—
Kennett (City of).....	—	655	1,591	—	—	—	—	2	17	—	6
Kennett (MO).....	—	655	1,591	—	—	—	—	2	17	—	6
Kentucky Power Co.....	7,879,802	11,678	—	—	—	—	2,986	19	—	270	7
Big Sandy (KY).....	7,879,802	11,678	—	—	—	—	2,986	19	—	270	7
Kentucky Utilities Co.....	17,487,613	19,747	266,657	71,084	—	—	7,500	62	3,070	866	83
Brown, E W (KY).....	3,806,839	7,067	259,096	—	—	—	1,619	17	2,933	97	55
Dix Dam (KY).....	—	—	—	68,765	—	—	—	—	—	—	—
Ghent (KY).....	12,327,427	8,095	—	—	—	—	5,184	28	—	668	13
Green River (KY).....	1,045,807	848	—	—	—	—	542	4	—	86	2
Haefling (KY).....	—	—	7,561	—	—	—	—	—	137	—	4
Lock 7 (KY).....	—	—	—	2,319	—	—	—	—	—	—	—
Pineville (KY).....	98,903	45	—	—	—	—	55	*	—	4	*
Tyrone (KY).....	208,637	3,692	—	—	—	—	100	12	—	12	9
Kenyon (City of).....	—	—	—	—	—	—	—	—	—	—	—
Kenyon (MN).....	—	—	—	—	—	—	—	—	—	—	—
Ketchikan (City of).....	—	25,021	—	135,903	—	—	—	44	—	—	8
Beaver Falls (AK).....	—	—	—	36,636	—	—	—	—	—	—	—
Ketchikan (AK).....	—	—	—	17,153	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Ketchikan (City of)											
Ketchikan (AK).....	—	25,021	—	—	—	—	—	44	—	—	8
Silvis (AK).....	—	—	—	12,053	—	—	—	—	—	—	—
Swan Lake (AK).....	—	—	—	70,061	—	—	—	—	—	—	—
Key West (City of)											
Key West (City of).....	—	16,726	—	—	—	—	—	42	—	—	63
Big Pine (FL).....	—	619	—	—	—	—	—	1	—	—	1
Cudjoe (FL).....	—	2,832	—	—	—	—	—	6	—	—	2
Key West (FL).....	—	2,746	—	—	—	—	—	13	—	—	—
Stock Island (FL).....	—	2,079	—	—	—	—	—	4	—	—	60
Stock Island D 1 (FL).....	—	8,450	—	—	—	—	—	17	—	—	—
KeySpan Energy											
Barrett, E F (NY).....	—	5,048,669	5,293,349	—	—	—	—	8,394	56,045	—	1,943
Brookhaven (NY).....	—	7,539	1,469,834	—	—	—	—	14	15,851	—	374
East Hampton (NY).....	—	106,264	—	—	—	—	—	222	—	—	35
Far Rockway (NY).....	—	15,561	—	—	—	—	—	35	—	—	4
Glenwood (NY).....	—	—	359,190	—	—	—	—	—	3,824	—	1
Holbrook (NY).....	—	6,038	495,726	—	—	—	—	17	5,687	—	32
Montauk (NY).....	—	110,355	—	—	—	—	—	262	—	—	84
Northport (NY).....	—	2,763	—	—	—	—	—	5	—	—	1
Port Jefferson (NY).....	—	3,556,906	2,317,900	—	—	—	—	5,714	23,904	—	1,065
Shoreham (NY).....	—	1,228,273	650,699	—	—	—	—	2,080	6,779	—	328
Southampton (NY).....	—	972	—	—	—	—	—	4	—	—	7
Southold (NY).....	—	6,158	—	—	—	—	—	19	—	—	1
West Babylon (NY).....	—	3,795	—	—	—	—	—	12	—	—	2
	—	4,045	—	—	—	—	—	10	—	—	8
Kimball (City of)											
Kimball (NE).....	—	100	401	—	—	—	—	*	4	—	*
	—	100	401	—	—	—	—	*	4	—	*
Kimballton (City of)											
Kimballton (IA).....	—	—	—	—	—	—	—	—	—	—	—
Kingfisher (City of)											
Kingfisher (OK).....	—	85	495	—	—	—	—	*	5	—	*
	—	85	495	—	—	—	—	*	5	—	*
Kingman (City of)											
Kingman (KS).....	—	1,200	49,132	—	—	—	—	3	512	—	2
	—	1,200	49,132	—	—	—	—	3	512	—	2
Kings River Conserv Dist											
Pine Flat (CA).....	—	—	—	767,658	—	—	—	—	—	—	—
	—	—	—	767,658	—	—	—	—	—	—	—
Kissimmee (City of)											
Kissimmee (City of).....	—	2,128	891,383	—	—	—	—	5	6,535	—	31
Cane Island (FL).....	—	1,629	838,209	—	—	—	—	3	5,932	—	15
Kissimmee (FL).....	—	499	53,174	—	—	—	—	2	603	—	16
Kodiak Electric Assn Inc											
Kodiak A (AK).....	—	10,111	—	118,366	—	—	—	21	—	—	1
Port Lions (AK).....	—	10,181	—	—	—	—	—	21	—	—	1
Terror Lake (AK).....	—	-70	—	—	—	—	—	—	—	—	*
	—	—	—	118,366	—	—	—	—	—	—	—
Kotzebue Elec Assn Inc											
Kotzebue (AK).....	—	20,988	—	—	—	—	—	34	—	—	34
	—	20,988	—	—	—	—	—	34	—	—	34
KG&E - Western Resources											
Evans, Gordon (KS).....	—	1,352	1,205,210	—	—	—	—	3	13,834	—	432
Gill, Murray (KS).....	—	—	805,875	—	—	—	—	—	8,785	—	119
Neosho (KS).....	—	1,352	399,335	—	—	—	—	3	5,049	—	314
	—	—	—	—	—	—	—	—	—	—	—
KPL - Western Resources											
Abilene (KS).....	14,935,438	16,341	285,569	—	—	—	9,340	33	3,915	1,803	197
Hutchinson (KS).....	—	—	5,288	—	—	—	—	—	129	—	15
Jeffrey (KS).....	—	2,389	225,510	—	—	—	—	7	3,100	—	143
Lawrence (KS).....	12,697,858	13,952	—	—	—	—	8,156	26	—	1,359	35
Tecumseh (KS).....	1,411,462	—	12,807	—	—	—	735	—	146	330	2
	826,118	—	41,964	—	—	—	450	—	540	114	1
La Crosse (City of)											
Larned (KS).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
La Junta (City of).....	—	—	—	—	—	—	—	—	—	—	3
La Junta (CO).....	—	—	—	—	—	—	—	—	—	—	3
La Plata (City of).....	—	120	—	—	—	—	—	*	—	—	1
La Plata (MO).....	—	120	—	—	—	—	—	*	—	—	1
La Porte (City of).....	—	56	—	—	—	—	—	*	—	—	*
La Porte (IA).....	—	56	—	—	—	—	—	*	—	—	*
Lafayette Util Sys (City).....	—	—	584,498	—	—	—	—	—	6,153	—	93
Doc Bonin (LA).....	—	—	584,583	—	—	—	—	—	6,153	—	93
Rodemacher (LA).....	—	—	-85	—	—	—	—	—	—	—	—
Lake Crystal (City of).....	—	30	334	—	—	—	—	*	3	—	*
Lake Crystal (MN).....	—	30	334	—	—	—	—	*	3	—	*
Lake Lure (Town of).....	—	—	—	4,352	—	—	—	—	—	—	—
Lake Lure (NC).....	—	—	—	4,352	—	—	—	—	—	—	—
Lake Mills (City of).....	—	352	752	—	—	—	—	1	14	—	*
Lake Mills (IA).....	—	352	752	—	—	—	—	1	14	—	*
Lake Park (City of).....	—	—	—	—	—	—	—	—	—	—	—
Lake Park (IA).....	—	—	—	—	—	—	—	—	—	—	—
Lake Worth (City of).....	—	6,438	201,762	—	—	—	—	17	2,289	—	7
Smith, Tom G (FL).....	—	6,438	201,762	—	—	—	—	17	2,289	—	7
Lakeland (City of).....	1,595,617	363,099	667,620	—	—	—	646	219	7,179	185	112
Larsen Memorial (FL).....	—	33,502	328,834	—	—	—	—	90	3,373	—	26
Mcintosh, C D (FL).....	1,595,617	329,597	338,786	—	—	—	646	129	3,807	185	86
Lamar (City of).....	—	—	79,381	—	—	—	—	—	1,087	—	6
Lamar (CO).....	—	—	79,381	—	—	—	—	—	1,087	—	6
Lamoni (City of).....	—	472	—	—	—	—	—	1	—	—	*
Lamoni (IA).....	—	472	—	—	—	—	—	1	—	—	*
Lanesboro (City of).....	—	—	—	—	—	—	—	—	—	—	—
Lanesboro (MN).....	—	—	—	—	—	—	—	—	—	—	—
Lansing (City of).....	2,161,107	6,060	—	1,781	—	—	1,114	13	—	125	1
Eckert Station (MI).....	1,251,381	5,166	—	—	—	—	736	12	—	19	1
Erickson (MI).....	909,726	894	—	—	—	—	378	2	—	106	*
Moores Park (MI).....	—	—	—	1,781	—	—	—	—	—	—	—
Larned (City of).....	—	148	13,152	—	—	—	—	*	218	—	1
Larned (KS).....	—	—	—	—	—	—	—	—	—	—	—
Larned (KS).....	—	148	13,152	—	—	—	—	*	218	—	1
Larsen Bay (City of).....	—	—	—	—	—	—	—	—	—	—	—
Larsen (AK).....	—	—	—	—	—	—	—	—	—	—	—
Las Animas (City of).....	—	-236	—	—	—	—	—	*	—	—	1
Las Animas (CO).....	—	-236	—	—	—	—	—	*	—	—	1
Laurel (City of).....	—	5	17	—	—	—	—	*	*	—	*
Laurel (NE).....	—	5	17	—	—	—	—	*	*	—	*
Laurens (City of).....	—	—	—	—	—	—	—	—	—	—	—
Laurens (IA).....	—	—	—	—	—	—	—	—	—	—	—
Lea County Elec Coop.....	—	—	—	—	—	—	—	—	—	—	—
North Lovington (NM).....	—	—	—	—	—	—	—	—	—	—	—
Lebanon (City of).....	—	416	—	—	—	—	—	1	—	—	1
Lebanon (OH).....	—	416	—	—	—	—	—	1	—	—	1

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Lenox (City of).....	—	—	—	—	—	—	—	—	—	—	—
Lenox (IA).....	—	—	—	—	—	—	—	—	—	—	—
Lewiston (City of).....	—	—	—	4,080	—	—	—	—	—	—	—
Andro Upper (ME).....	—	—	—	4,080	—	—	—	—	—	—	—
Lincoln (City of).....	—	449	4	—	—	—	—	1	*	—	1
Lincoln (KS).....	—	449	4	—	—	—	—	1	*	—	1
Lincoln (City of).....	—	1,835	41,635	—	—	—	—	4	565	—	28
Lincoln J Street (NE).....	—	—	1,297	—	—	—	—	—	22	—	4
Rokeby (NE).....	—	1,835	40,338	—	—	—	—	4	543	—	24
Lindsay (City of).....	—	—	—	—	—	—	—	—	—	—	—
Lindsay (OK).....	—	—	—	—	—	—	—	—	—	—	—
Litchfield (City of).....	—	30	570	—	—	—	—	*	6	—	*
Litchfield (MN).....	—	30	570	—	—	—	—	*	6	—	*
Lockhart Power Co.....	—	—	—	84,181	—	—	—	—	—	—	—
Lockhart (SC).....	—	—	—	84,181	—	—	—	—	—	—	—
Logan (City of).....	—	-106	—	35,800	—	—	—	1	—	—	1
Logan (UT).....	—	—	—	6,609	—	—	—	—	—	—	—
Logan 2 (UT).....	—	—	—	29,191	—	—	—	—	—	—	—
Logon Diesel (UT).....	—	-106	—	—	—	—	—	1	—	—	1
Logansport (City of).....	178,738	—	76	—	—	—	107	—	2	5	—
Logansport (IN).....	178,738	—	76	—	—	—	107	—	2	5	—
Longmont (City of).....	—	—	—	2,795	—	—	—	—	—	—	—
Longmont (CO).....	—	—	—	2,795	—	—	—	—	—	—	—
Los Angeles (City of).....	12,973,101	7,873	2,924,305	860,056	—	—	5,278	14	29,841	872	420
Big Pine Creek (CA).....	—	—	—	14,251	—	—	—	—	—	—	—
Castaic (CA).....	—	—	—	-241,697	—	—	—	—	—	—	—
Control Gorge (CA).....	—	—	—	142,097	—	—	—	—	—	—	—
Cottonwood (CA).....	—	—	—	10,907	—	—	—	—	—	—	—
Division Creek (CA).....	—	—	—	5,141	—	—	—	—	—	—	—
Foothill (CA).....	—	—	—	81,587	—	—	—	—	—	—	—
Franklin Canyon (CA).....	—	—	—	11,466	—	—	—	—	—	—	—
Haiwee (CA).....	—	—	—	27,484	—	—	—	—	—	—	—
Harbor (CA).....	—	—	552,352	—	—	—	—	—	4,846	—	12
Haynes (CA).....	—	—	1,312,119	—	—	—	—	—	14,162	—	368
Intermountain (UT).....	12,973,101	7,873	—	—	—	—	5,278	14	—	872	29
Middle Gorge (CA).....	—	—	—	143,633	—	—	—	—	—	—	—
Pleasant Valley (CA).....	—	—	—	13,199	—	—	—	—	—	—	—
San Fernando (CA).....	—	—	—	42,540	—	—	—	—	—	—	—
San Francisquito 1 (CA).....	—	—	—	349,722	—	—	—	—	—	—	—
San Francisquito 2 (CA).....	—	—	—	114,286	—	—	—	—	—	—	—
Sawtelle (CA).....	—	—	—	1,935	—	—	—	—	—	—	—
Scattergood (CA).....	—	—	1,066,256	—	—	119,865	—	—	10,834	—	—
Upper Gorge (CA).....	—	—	—	143,505	—	—	—	—	—	—	—
Valley (CA).....	—	—	-6,422	—	—	—	—	—	—	—	12
Louisiana Pwr & Light Co.....	—	108,935	12,207,594	—	8,601,304	—	—	274	128,615	—	598
Buras (LA).....	—	—	2,547	—	—	—	—	*	53	—	2
Little Gypsy (LA).....	—	—	3,161,874	—	—	—	—	—	33,249	—	74
Monroe (LA).....	—	—	—	—	—	—	—	—	—	—	—
Nine Mile Point (LA).....	—	9,467	6,623,415	—	—	—	—	11	68,712	—	225
Sterlington (LA).....	—	—	922,007	—	—	—	—	—	9,699	—	15
Thibodaux (LA).....	—	—	—	—	—	—	—	—	—	—	—
Waterford (LA).....	—	—	—	—	8,601,304	—	—	—	—	—	—
Waterford (LA).....	—	99,468	1,497,751	—	—	—	—	263	16,901	—	281
Louisville Gas & Elec Co.....	14,556,867	33,304	92,991	240,263	—	—	6,559	59	1,023	1,115	19
Cane Run (KY).....	3,083,773	273	49,719	—	—	—	1,429	*	514	84	2

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Louisville Gas & Elec Co											
Mill Creek (KY).....	8,101,319	29,226	28,562	—	—	—	3,684	52	292	673	13
Ohio Falls (KY).....	—	—	—	240,263	—	—	—	—	—	—	—
Paddys Run (KY).....	—	—	9,360	—	—	—	—	—	136	—	—
Trimble County (KY).....	3,371,775	3,805	—	—	—	—	1,446	6	—	358	4
Waterside (KY).....	—	—	3,219	—	—	—	—	—	38	—	—
Zorn (KY).....	—	—	2,131	—	—	—	—	—	44	—	—
Lowell (City of)	—	—	—	—	—	—	—	—	—	—	*
Lowell (MI).....	—	—	—	—	—	—	—	—	—	—	*
Lower Colorado River Auth	7,754,320	12,160	3,680,512	391,476	—	—	4,936	23	37,712	543	201
Austin (TX).....	—	—	—	59,405	—	—	—	—	—	—	—
Buchanan (TX).....	—	—	—	38,523	—	—	—	—	—	—	—
Granite Shoals (TX).....	—	—	—	50,410	—	—	—	—	—	—	—
Inks (TX).....	—	—	—	18,386	—	—	—	—	—	—	—
Mansfield (TX).....	—	—	—	192,034	—	—	—	—	—	—	—
Marble Falls (TX).....	—	—	—	32,718	—	—	—	—	—	—	—
Sam K Seymour, jr (TX).....	7,754,320	9,628	—	—	—	—	4,936	18	—	543	19
Sim Gideon (TX).....	—	2,532	2,200,096	—	—	—	—	5	22,409	—	103
T. C. Ferguson (TX).....	—	—	1,480,416	—	—	—	—	—	15,302	—	79
Lower Valley Pwr & Lt Co	—	—	—	9,344	—	—	—	—	—	—	—
Strawberry Creek (WY).....	—	—	—	9,344	—	—	—	—	—	—	—
Lubbock (City of)	—	—	466,814	—	—	—	—	—	5,922	—	—
Holly Ave (TX).....	—	—	294,152	—	—	—	—	—	3,733	—	—
LP&L Co GEN.....	—	—	150,616	—	—	—	—	—	1,791	—	—
Plant 2 (TX).....	—	—	22,046	—	—	—	—	—	397	—	—
Luverne (City of)	—	—	—	—	—	—	—	—	—	—	—
Luverne (MN).....	—	—	—	—	—	—	—	—	—	—	—
Lyndonville (City of)	—	—	—	7,327	—	—	—	—	—	—	—
Great Falls (VT).....	—	—	—	5,386	—	—	—	—	—	—	—
Vail (VT).....	—	—	—	1,941	—	—	—	—	—	—	—
M & A Elec Pwr Coop	—	—	—	—	—	—	—	—	—	—	—
Green Forest (MO).....	—	—	—	—	—	—	—	—	—	—	—
Macon (City of)	—	474	141	—	—	—	—	1	2	—	*
Macon (MO).....	—	474	141	—	—	—	—	1	2	—	*
Madelia (City of)	—	109	1,187	—	—	—	—	*	12	—	*
Madelia (MN).....	—	109	1,187	—	—	—	—	*	12	—	*
Madison (City of)	—	—	—	2,411	—	—	—	—	—	—	—
Norridgewick (ME).....	—	—	—	2,411	—	—	—	—	—	—	—
Madison (City of)	—	—	—	—	—	—	—	—	—	—	—
Madison (MN).....	—	—	—	—	—	—	—	—	—	—	—
Madison Gas & Elec Co	261,716	484	160,305	—	—	—	163	1	2,484	18	7
Blount Street (WI).....	261,716	467	130,553	—	—	14,730	163	1	1,976	18	2
Fitchburg (WI).....	—	9	21,544	—	—	—	—	*	357	—	2
Nine Springs (WI).....	—	8	440	—	—	—	—	*	9	—	*
Sycamore (WI).....	—	—	7,768	—	—	—	—	—	142	—	2
Maine Public Service Co	—	-1,030	—	5,899	—	—	—	*	—	—	1
Caribou (ME).....	—	-796	—	5,203	—	—	—	*	—	—	1
Flos Inn (ME).....	—	-234	—	—	—	—	—	*	—	—	*
Squa Pan (ME).....	—	—	—	696	—	—	—	—	—	—	—
Maine Yankee Atomic Pwr C	—	—	—	—	—	—	—	—	—	—	—
Maine Yankee (ME).....	—	—	—	—	—	—	—	—	—	—	—
Malden (City of)	—	132	16	—	—	—	—	*	*	—	1
Malden (MO).....	—	132	16	—	—	—	—	*	*	—	1

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Mangum (City of).....	—	822	12	—	—	—	—	1	*	—	*
Mangum (OK).....	—	822	12	—	—	—	—	1	*	—	*
Manilla (City of).....	—	—	—	—	—	—	—	—	—	—	—
Manilla (IA).....	—	—	—	—	—	—	—	—	—	—	—
Manitowoc (City of).....	167,064	76,094	1,114	—	—	—	89	*	15	45	1
Manitowoc (WI).....	167,064	76,094	1,114	—	—	—	89	*	15	45	1
Manley Utility Co.....	—	265	—	—	—	—	—	1	—	—	*
Manley (AK).....	—	265	—	—	—	—	—	1	—	—	*
Manning (City of).....	—	—	—	—	—	—	—	—	—	—	—
Manning (IA).....	—	—	—	—	—	—	—	—	—	—	—
Manti (City of).....	—	—	—	7,226	—	—	—	—	—	—	—
Lower (UT).....	—	—	—	2,452	—	—	—	—	—	—	—
Manti (UT).....	—	—	—	4,774	—	—	—	—	—	—	—
Maquoketa (City of).....	—	272	1,164	—	—	—	—	1	17	—	1
Maquoketa (IA).....	—	272	1,164	—	—	—	—	1	17	—	1
Marblehead (City of).....	—	890	—	—	—	—	—	2	—	—	1
Commerce St 2 (MA).....	—	142	—	—	—	—	—	*	—	—	*
Wilkins Station (MA).....	—	748	—	—	—	—	—	1	—	—	*
Marquette (City of).....	241,744	3,561	—	12,161	—	—	163	10	—	85	4
Plant Four (MI).....	—	3,310	—	—	—	—	—	10	—	—	3
Plant Two (MI).....	—	—	—	9,648	—	—	—	—	—	—	—
Russell, Frank J (MI).....	—	—	—	2,513	—	—	—	—	—	—	—
Shiras (MI).....	241,744	251	—	—	—	—	163	1	—	85	1
Marshall (City of).....	—	37	2,734	1,499	—	—	—	1	26	—	1
Marshall (MI).....	—	37	2,734	1,499	—	—	—	1	26	—	1
Marshall (City of).....	—	—	—	—	—	—	—	—	—	—	—
Marshall (MN).....	—	—	—	—	—	—	—	—	—	—	—
Marshall (City of).....	19,701	1,358	23,824	—	—	—	15	4	366	1	4
Marshall (MO).....	19,701	1,358	23,824	—	—	—	15	4	366	1	4
Martinsville (City of).....	—	—	—	3,411	—	—	—	—	—	—	—
Martinsville (VA).....	—	—	—	3,411	—	—	—	—	—	—	—
Mascoutah (City of).....	—	269	405	—	—	—	—	1	3	—	1
Mascoutah (IL).....	—	269	405	—	—	—	—	1	3	—	1
Mass Mun Wholesale Elec.....	—	226,013	718,760	—	—	—	—	361	6,526	—	277
Stonybrook (MA).....	—	226,013	718,760	—	—	—	—	361	6,526	—	277
Maul Electric Co Ltd.....	—	1,031,191	—	—	—	—	—	1,758	—	—	162
Cook (HI).....	—	38,190	—	—	—	—	—	60	—	—	7
Kahului (HI).....	—	207,489	—	—	—	—	—	466	—	—	51
Lanai City (HI).....	—	—	—	—	—	—	—	—	—	—	—
Maalaea (HI).....	—	757,766	—	—	—	—	—	1,188	—	—	99
Miki Basin (HI).....	—	27,746	—	—	—	—	—	45	—	—	5
Mcgrath Lt & Pwr Co.....	—	2,814	—	—	—	—	—	6	—	—	3
Mcgrath (AK).....	—	2,814	—	—	—	—	—	6	—	—	3
Mcgregor (City of).....	—	94	—	—	—	—	—	*	—	—	1
Mc Gregor (IA).....	—	94	—	—	—	—	—	*	—	—	1
Mcleansboro (City of).....	—	203	—	—	—	—	—	*	—	—	*
Mc Leansboro (IL).....	—	203	—	—	—	—	—	*	—	—	*
Mcpherson (City of).....	—	4,197	55,031	—	—	—	—	10	827	—	22

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
McPherson (City of)											
McPherson 3 (KS).....	—	1,969	2,398	—	—	—	—	4	34	—	6
Plant No. 2 (KS).....	—	2,228	52,633	—	—	—	—	6	793	—	16
Meade (City of)											
Meade (KS).....	—	400	4,776	—	—	—	—	1	47	—	*
	—	400	4,776	—	—	—	—	1	47	—	*
Medina Electric Coop Inc.											
Pearsall (TX).....	—	—	38,236	—	—	—	—	—	489	—	18
	—	—	38,236	—	—	—	—	—	489	—	18
Melrose (City of)											
Melrose (MN).....	—	—	—	—	—	—	—	—	—	—	—
Memphis (City of)											
Memphis (MO).....	—	444	316	—	—	—	—	1	4	—	*
	—	444	316	—	—	—	—	1	4	—	*
Menasha (City of)											
Menasha (WI).....	8,603	—	—	—	—	—	4	—	—	*	—
	8,603	—	—	—	—	—	4	—	—	*	—
Merced Irrigation Dist											
Canal Creek (CA).....	—	—	—	612,396	—	—	—	—	—	—	—
Exchequer (CA).....	—	—	—	548,057	—	—	—	—	—	—	—
Fairfield (CA).....	—	—	—	1,963	—	—	—	—	—	—	—
Mcswain (CA).....	—	—	—	55,892	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	6,484	—	—	—	—	—	—	—
Merrillan (City of)											
Merrillan (WI).....	—	31	—	267	—	—	—	*	—	—	*
	—	31	—	267	—	—	—	*	—	—	*
Metlakatla Pwr & Lgt Co											
Centennial (AK).....	—	2,382	—	18,472	—	—	—	5	—	—	2
	—	2,382	—	—	—	—	—	5	—	—	2
Chester Lake (AK).....	—	—	—	4,700	—	—	—	—	—	—	—
Leffel Turbine (AK).....	—	—	—	13,772	—	—	—	—	—	—	—
Metropolitan Edison Co.											
Hamilton (PA).....	3,175,031	54,573	153,541	117,572	—	—	1,266	141	1,839	186	92
Hunterstown (PA).....	—	6,148	—	—	—	—	—	21	—	—	5
Mountain (PA).....	—	138	27,625	—	—	—	—	*	430	—	8
Orrtanna (PA).....	—	888	18,271	—	—	—	—	2	289	—	6
Portland (PA).....	—	5,486	—	—	—	—	—	19	—	—	4
Shawnee (PA).....	1,901,557	26,035	101,275	—	—	—	743	51	1,046	128	52
Titus (PA).....	—	2,976	—	—	—	—	—	8	—	—	5
Tolna (PA).....	1,273,474	2,968	6,370	—	—	—	523	6	73	59	5
Yorkhaven (PA).....	—	9,934	—	—	—	—	—	35	—	—	6
Metropolitan Water Dist.											
Corona (CA).....	—	—	—	240,258	—	—	—	—	—	—	—
Coyote Creek (CA).....	—	—	—	19,059	—	—	—	—	—	—	—
Etiwanda (CA).....	—	—	—	17,283	—	—	—	—	—	—	—
Foothill Feeder (CA).....	—	—	—	24,917	—	—	—	—	—	—	—
Greg Avenue (CA).....	—	—	—	31,595	—	—	—	—	—	—	—
Lake Mathews (CA).....	—	—	—	350	—	—	—	—	—	—	—
Perris (CA).....	—	—	—	34,471	—	—	—	—	—	—	—
Red Mountain (CA).....	—	—	—	6,971	—	—	—	—	—	—	—
Rio Hondo (CA).....	—	—	—	31,464	—	—	—	—	—	—	—
San Dimas (CA).....	—	—	—	3,259	—	—	—	—	—	—	—
Sepulv Cyn (CA).....	—	—	—	13,736	—	—	—	—	—	—	—
Temescal (CA).....	—	—	—	8,448	—	—	—	—	—	—	—
Valley View (CA).....	—	—	—	18,480	—	—	—	—	—	—	—
Venice (CA).....	—	—	—	1,888	—	—	—	—	—	—	—
Yorba Linda (CA).....	—	—	—	2,871	—	—	—	—	—	—	—
	—	—	—	25,466	—	—	—	—	—	—	—
Michigan So Cent Pwr Agen.											
Endicott (MI).....	249,077	46,004	—	—	—	—	134	1	—	26	7
	249,077	46,004	—	—	—	—	134	1	—	26	7
Midwest Energy Inc											
Bird City (KS).....	—	287	419	—	—	—	—	2	13	—	3
	—	18	—	—	—	—	—	*	—	—	*

See footnotes at end of table.

Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, 1998 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Midwest Energy Inc											
Colby (KS).....	—	41	51	—	—	—	—	*	5	—	2
Ellis (KS).....	—	44	—	—	—	—	—	*	—	—	*
Great Bend (KS).....	—	184	368	—	—	—	—	*	8	—	*
MidAmerican Energy	19,510,368	30,891	246,483	11,432	—	—	12,187	78	3,444	1,901	63
Coralville (IA).....	—	-225	4,489	—	—	—	—	—	68	—	—
Council Bluffs (IA).....	5,404,225	5,700	6,395	—	—	—	3,495	11	70	384	7
Electrifarm (IA).....	—	-75	86,929	—	—	—	—	*	1,172	—	10
George Neal South (IA).....	3,861,186	1,125	—	—	—	—	2,405	7	—	407	4
Louisa (IA).....	4,154,737	31	9,652	—	—	—	2,619	*	100	467	2
Moline (IL).....	—	-83	4,902	11,432	—	—	—	—	84	—	—
Neal, George (IA).....	5,615,396	—	23,956	—	—	—	3,360	—	247	523	—
Parr (IA).....	—	-89	6,282	—	—	—	—	*	99	—	2
Pleasant Hill (IA).....	—	24,803	—	—	—	—	—	60	—	—	26
River Hills (IA).....	—	-169	25,876	—	—	—	—	—	422	—	4
Riverside (IA).....	474,824	—	16,525	—	—	—	307	—	192	119	—
Sycamore (IA).....	—	-127	61,477	—	—	—	—	—	990	—	8
Milford (City of)	—	—	—	—	—	—	—	—	—	—	—
Milford (IA).....	—	—	—	—	—	—	—	—	—	—	—
Minden (City of)	—	130	11,498	—	—	—	—	*	156	—	*
Minden (LA).....	—	130	11,498	—	—	—	—	*	156	—	*
Minneapolis (City of)	—	175	3,339	—	—	—	—	1	34	—	*
Minneapolis (KS).....	—	175	3,339	—	—	—	—	1	34	—	*
Minnesota Power Inc	6,973,634	12,653	—	565,256	—	—	4,216	24	—	437	7
Blanchard (MN).....	—	—	—	107,088	—	—	—	—	—	—	—
Boswell (MN).....	6,402,933	11,682	—	—	—	—	3,824	22	—	314	7
Fond Du Lac (MN).....	—	—	—	47,199	—	—	—	—	—	—	—
Hibbard, M L (MN).....	—	—	—	—	—	—	—	—	—	—	—
Knife Falls (MN).....	—	—	—	11,455	—	—	—	—	—	—	—
Laskin (MN).....	570,701	971	—	—	—	—	392	2	—	123	*
Little Falls (MN).....	—	—	—	32,302	—	—	—	—	—	—	—
Pillager (MN).....	—	—	—	11,519	—	—	—	—	—	—	—
Prairie River (MN).....	—	—	—	3,148	—	—	—	—	—	—	—
Scanlon (MN).....	—	—	—	8,426	—	—	—	—	—	—	—
Sylvan (MN).....	—	—	—	12,964	—	—	—	—	—	—	—
Thompson (MN).....	—	—	—	312,621	—	—	—	—	—	—	—
Winton (MN).....	—	—	—	18,534	—	—	—	—	—	—	—
Minnkota Power Coop Inc	4,799,261	22,599	—	—	—	—	4,130	38	—	394	20
Grand Forks (ND).....	—	—	—	—	—	—	—	—	—	—	—
Harwood (ND).....	—	—	—	—	—	—	—	—	—	—	—
Young, Milton R (ND).....	4,799,261	22,599	—	—	—	—	4,130	38	—	394	20
Minnkota Power Coop Inc	—	—	—	—	—	—	—	—	—	—	—
Hawley (MN).....	—	—	—	—	—	—	—	—	—	—	—
Mission Valley Power	—	—	—	2,033	—	—	—	—	—	—	—
Hellroaring (MT).....	—	—	—	2,033	—	—	—	—	—	—	—
Mississippi Power Co	9,406,868	10,215	1,978,623	—	—	—	4,672	19	37,090	584	42
Daniel, Victor J Jr. (MS).....	4,781,321	7,196	—	—	—	—	2,613	12	—	469	4
Eaton (MS).....	—	—	190,216	—	—	—	—	—	2,478	—	—
Standard Oil (MS).....	—	—	899,288	—	—	—	—	—	23,737	—	—
Sweatt (MS).....	—	—	257,955	—	—	—	—	—	3,335	—	3
Watson (MS).....	4,625,547	3,019	631,164	—	—	—	2,060	7	7,539	114	35
Mississippi Pwr & Lgt Co	—	5,403,725	2,819,799	—	—	—	—	8,349	29,519	—	1,604
Andrus (MS).....	—	2,631,509	—	—	—	—	—	4,081	—	—	895
Brown, Rex (MS).....	—	993	488,495	—	—	—	—	4	6,177	—	1
Delta (MS).....	—	18,779	390,859	—	—	—	—	51	4,461	—	34
Natchez (MS).....	—	—	—	—	—	—	—	—	—	—	—
Wilson, B (MS).....	—	2,752,444	1,940,445	—	—	—	—	4,212	18,881	—	674

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Missouri Basin Mun Pwr											
Agency.....	—	1,356	—	—	—	—	—	4	—	—	7
Watertown (SD).....	—	1,356	—	—	—	—	—	4	—	—	7
Modesto Irrigation Dist.....	—	4,468	91,220	15,097	—	—	—	13	877	—	13
McClure (CA).....	—	4,468	2,222	—	—	—	—	13	42	—	12
New Hogan (CA).....	—	—	—	14,516	—	—	—	—	—	—	—
Stone Drop (CA).....	—	—	—	581	—	—	—	—	—	—	—
Woodland (CA).....	—	—	88,998	—	—	—	—	—	834	—	1
Monongahela Power Co.....	30,842,519	19,894	42,195	—	—	—	12,251	34	417	1,281	6
Albright (WV).....	785,618	2,708	—	—	—	—	358	5	—	105	*
Fort Martin (WV).....	6,814,494	11,763	—	—	—	—	2,585	19	—	326	5
Harrison (WV).....	13,912,820	—	22,994	—	—	—	5,408	—	224	356	*
Pleasants (WV).....	8,231,857	4,418	16,790	—	—	—	3,424	8	168	383	*
Rivesville (WV).....	237,811	1,005	—	—	—	—	126	2	—	30	*
Willow Island (WV).....	859,919	—	2,411	—	—	—	351	—	25	80	*
Monroe (City of).....	—	—	—	3,100	—	—	—	—	—	—	—
Lower (UT).....	—	—	—	1,591	—	—	—	—	—	—	—
Mon Pump St (UT).....	—	—	—	94	—	—	—	—	—	—	—
Monroe Upr (UT).....	—	—	—	1,415	—	—	—	—	—	—	—
Monroe (City of).....	—	871	—	—	—	—	—	2	—	—	1
Monroe (MO).....	—	871	—	—	—	—	—	2	—	—	1
Montana Dakota Utils Co.....	3,528,059	4,099	25,883	—	—	—	3,045	8	361	197	6
Coyote (ND).....	2,797,116	3,987	—	—	—	—	2,346	8	—	145	4
Glendive (MT).....	—	121	15,785	—	—	—	—	*	214	—	1
Heskett (ND).....	445,431	—	—	—	—	—	423	—	—	41	—
Lewis & Clark (MT).....	285,512	—	972	—	—	—	276	—	12	11	—
Miles City (MT).....	—	—	9,204	—	—	—	—	—	136	—	1
Williston (ND).....	—	-9	-78	—	—	—	—	—	—	—	—
Montana Power Co (The).....	16,222,456	14,223	14,992	3,741,842	—	—	10,350	32	160	323	12
Black Eagle (MT).....	—	—	—	146,872	—	—	—	—	—	—	—
Cochrane (MT).....	—	—	—	337,794	—	—	—	—	—	—	—
Colstrip (MT).....	15,642,379	13,889	—	—	—	—	9,956	32	—	283	11
Corette, J E (MT).....	580,077	—	14,992	—	—	—	395	—	160	40	—
Frank Bird (MT).....	—	—	—	—	—	—	—	—	—	—	—
Hauser Lake (MT).....	—	—	—	141,354	—	—	—	—	—	—	—
Holter (MT).....	—	—	—	360,983	—	—	—	—	—	—	—
Kerr (MT).....	—	—	—	1,013,017	—	—	—	—	—	—	—
Lake Diesel (MT).....	—	—	—	—	—	—	—	—	—	—	—
Madison (MT).....	—	—	—	59,342	—	—	—	—	—	—	—
Milltown (MT).....	—	—	—	18,944	—	—	—	—	—	—	—
Morony (MT).....	—	—	—	352,869	—	—	—	—	—	—	—
Mystic Lake (MT).....	—	—	—	47,560	—	—	—	—	—	—	—
Rainbow (MT).....	—	—	—	262,025	—	—	—	—	—	—	—
Ryan (MT).....	—	—	—	495,401	—	—	—	—	—	—	—
Thompson Falls (MT).....	—	—	—	505,681	—	—	—	—	—	—	—
Yellowstone (MT).....	—	334	—	—	—	—	—	1	—	—	1
Montaup Electric Company.....	739,297	29,658	—	—	—	—	271	50	—	74	147
Somerset (MA).....	739,297	29,658	—	—	—	—	271	50	—	74	147
Montezuma (City of).....	—	372	188	—	—	—	—	1	2	—	*
Montezuma (IA).....	—	372	188	—	—	—	—	1	2	—	*
Moon Lake Elec Assn Inc.....	—	—	—	11,471	—	—	—	—	—	—	—
Uintah (UT).....	—	—	—	6,353	—	—	—	—	—	—	—
Yellowstone (UT).....	—	—	—	5,118	—	—	—	—	—	—	—
Moorhead (City of).....	—	34	—	—	—	—	—	*	—	3	1
Moorhead (MN).....	—	34	—	—	—	—	—	*	—	3	1
Moose Lake (City of).....	—	108	—	—	—	—	—	*	—	—	*
Moose Lake (MN).....	—	108	—	—	—	—	—	*	—	—	*

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Mora (City of)	—	—	—	—	—	—	—	—	—	—	—
Mora (MN)	—	—	—	—	—	—	—	—	—	—	—
Morgan (City of)	—	—	63,258	—	—	—	—	—	898	—	—
Morgan City (LA)	—	—	63,258	—	—	—	—	—	898	—	—
Morrisville (Village of)	—	—	—	10,150	—	—	—	—	—	—	—
Cadys Falls (VT)	—	—	—	3,669	—	—	—	—	—	—	—
Morrisville (VT)	—	—	—	5,494	—	—	—	—	—	—	—
W K Sanders (VT)	—	—	—	987	—	—	—	—	—	—	—
Mount Pleasant (City of)	—	—	—	7,782	—	—	—	—	—	—	—
Lower (UT)	—	—	—	877	—	—	—	—	—	—	—
Unit 3 (UT)	—	—	—	1,076	—	—	—	—	—	—	—
Unit 4 (UT)	—	—	—	4,437	—	—	—	—	—	—	—
Upper (UT)	—	—	—	1,392	—	—	—	—	—	—	—
Mountain Lake (City of)	—	—	—	—	—	—	—	—	—	—	—
Mountain Lake (MN)	—	—	—	—	—	—	—	—	—	—	—
Mt Pleasant (City of)	—	1	48	—	—	—	—	*	*	—	*
Mt Pleasant (IA)	—	1	48	—	—	—	—	*	*	—	*
Mullen (Village of)	—	24	—	—	—	—	—	*	—	—	*
Mullen (NE)	—	24	—	—	—	—	—	*	—	—	*
Mulvane (City of)	—	150	1,843	—	—	—	—	*	18	—	*
Mulvane (KS)	—	150	1,843	—	—	—	—	*	18	—	*
Murray (City of)	—	8	35	12,124	—	—	—	*	*	—	*
Diesel (UT)	—	8	35	—	—	—	—	*	*	—	*
Little Cottonwood (UT)	—	—	—	12,124	—	—	—	—	—	—	—
Muscataine (City of)	1,347,176	820	520	—	—	—	853	2	6	224	2
Muscataine (IA)	1,347,176	820	520	—	—	—	853	2	6	224	2
Muscoda (City of)	—	—	—	—	—	—	—	—	—	—	—
Muscoda (WI)	—	—	—	—	—	—	—	—	—	—	—
N Y State Elec & Gas Corp	9,334,219	8,508	—	316,495	—	—	3,781	15	—	368	8
Cadyville (NY)	—	—	—	29,030	—	—	—	—	—	—	—
Goudey (NY)	777,006	856	—	—	—	—	315	2	—	66	1
Greenidge (NY)	937,858	943	—	—	—	—	376	2	—	49	1
Harris Lake (NY)	—	53	—	—	—	—	—	*	—	—	*
Hickling (NY)	374,808	—	—	—	—	—	258	—	—	31	—
High Falls (NY)	—	—	—	102,343	—	—	—	—	—	—	—
Jennison (NY)	107,415	—	—	—	—	4,603	70	—	—	29	—
Kents Falls (NY)	—	—	—	60,575	—	—	—	—	—	—	—
Keuka (NY)	—	—	—	—	—	—	—	—	—	—	—
Mechanicville (NY)	—	—	—	74,970	—	—	—	—	—	—	—
Mill C (NY)	—	—	—	19,486	—	—	—	—	—	—	—
Milliken (NY)	2,223,447	736	—	—	—	—	882	1	—	85	2
Rainbow Falls (NY)	—	—	—	15,328	—	—	—	—	—	—	—
Seneca Falls (NY)	—	—	—	10,970	—	—	—	—	—	—	—
Somerset (NY)	4,913,685	5,920	—	—	—	—	1,881	10	—	109	4
Waterloo (NY)	—	—	—	3,793	—	—	—	—	—	—	—
Naknek Electric Assn Inc	—	19,776	—	—	—	—	—	32	—	—	23
Naknek (AK)	—	19,776	—	—	—	—	—	32	—	—	23
Nantucket Elec Co	—	926	—	—	—	—	—	2	—	—	6
Nantucket (MA)	—	926	—	—	—	—	—	2	—	—	6
Natchitoches (City of)	—	—	—	—	—	—	—	—	—	—	—
Natchitoches (LA)	—	—	—	—	—	—	—	—	—	—	—
Nebraska City (City of)	—	712	6,013	—	—	—	—	3	69	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Nebraska City (City of)											
Nebraska City (NE).....	—	664	5,769	—	—	—	—	3	63	—	—
Syracuse No 2 (NE).....	—	48	244	—	—	—	—	*	5	—	—
Nebraska Pub Power Dist.....	9,954,004	12,489	106,758	328,119	4,869,907	—	6,163	27	1,225	1,217	108
Canaday (NE).....	—	—	53,729	—	—	—	—	—	595	—	78
Columbus (NE).....	—	—	—	110,353	—	—	—	—	—	—	—
Cooper (NE).....	—	—	—	—	4,869,907	—	—	—	—	—	—
David City (NE).....	—	1,219	990	—	—	—	—	3	12	—	*
Gentleman (NE).....	8,574,112	—	26,397	—	—	—	5,271	—	276	1,020	6
Hallam (NE).....	—	168	21,873	—	—	—	—	*	294	—	2
Hebron (NE).....	—	3,935	—	—	—	—	—	9	—	—	9
Kearney (NE).....	—	—	—	800	—	—	—	—	—	—	—
Lodgepole (NE).....	—	20	—	—	—	—	—	*	—	—	*
Lyons (NE).....	—	88	—	—	—	—	—	*	—	—	*
Madison (NE).....	—	102	792	—	—	—	—	*	11	—	*
Mc Cook (NE).....	—	4,429	—	—	—	—	—	10	—	—	10
Minnechadusa (NE).....	—	—	—	—	—	—	—	—	—	—	—
Mobile (NE).....	—	—	—	—	—	—	—	—	—	—	—
Monroe (NE).....	—	—	—	22,632	—	—	—	—	—	—	—
North Platte (NE).....	—	—	—	184,694	—	—	—	—	—	—	—
Ord (NE).....	—	1,876	821	—	—	—	—	4	9	—	*
Sheldon (NE).....	1,379,892	—	1,405	—	—	707	892	—	16	198	—
Spencer (NE).....	—	—	—	9,640	—	—	—	—	—	—	—
Sutherland (NE).....	—	564	—	—	—	—	—	1	—	—	*
Wakefield (NE).....	—	88	751	—	—	—	—	*	12	—	*
Neodesha (City of)	—	220	640	—	—	—	—	*	10	—	*
Neodesha (KS).....	—	220	640	—	—	—	—	*	10	—	*
Nevada Irrigation Dist	—	—	—	544,788	—	—	—	—	—	—	—
Bowman (CA).....	—	—	—	772	—	—	—	—	—	—	—
Chicago Park (CA).....	—	—	—	222,268	—	—	—	—	—	—	—
Combie No (CA).....	—	—	—	10,380	—	—	—	—	—	—	—
Combie So (CA).....	—	—	—	5,517	—	—	—	—	—	—	—
Dutch Flat No.2 (CA).....	—	—	—	188,248	—	—	—	—	—	—	—
Rollins (CA).....	—	—	—	95,617	—	—	—	—	—	—	—
Scott Flat (CA).....	—	—	—	21,986	—	—	—	—	—	—	—
Nevada Power Co	4,017,623	10,845	2,831,023	—	—	—	1,872	20	26,276	183	47
Clark (NV).....	—	—	2,508,635	—	—	—	—	—	22,406	—	8
Gardner, Reid (NV).....	4,017,623	10,845	—	—	—	—	1,872	20	—	183	12
Sun Peak (NV).....	—	—	202,505	—	—	—	—	—	2,550	—	—
Sunrise (NV).....	—	—	119,883	—	—	—	—	—	1,321	—	27
New England Power Co	6,464,422	1,866,066	2,105,175	1,039,154	—	—	2,490	3,158	16,303	—	1
Bear Swamp (MA).....	—	—	—	85,722	—	—	—	—	—	—	—
Bellows Falls (VT).....	—	—	—	180,424	—	—	—	—	—	—	—
Brayton Point (MA).....	5,110,603	396,904	52,651	—	—	—	1,919	707	714	—	—
Comerford (NH).....	—	—	—	267,692	—	—	—	—	—	—	—
Deerfield No. 2 (MA).....	—	—	—	22,299	—	—	—	—	—	—	—
Deerfield No. 3 (MA).....	—	—	—	23,256	—	—	—	—	—	—	—
Deerfield No. 4 (MA).....	—	—	—	19,328	—	—	—	—	—	—	—
Deerfield No. 5 (MA).....	—	—	—	41,145	—	—	—	—	—	—	—
Fife Brook (MA).....	—	—	—	24,523	—	—	—	—	—	—	—
Gloucester (MA).....	—	5,642	—	—	—	—	—	11	—	—	1
Harriman (VT).....	—	—	—	79,293	—	—	—	—	—	—	—
Manchester Street (RI).....	—	379	2,052,524	—	—	—	—	1	15,589	—	—
Mcindoes (NH).....	—	—	—	34,337	—	—	—	—	—	—	—
Moore (NH).....	—	—	—	178,037	—	—	—	—	—	—	—
Newburyport (MA).....	—	776	—	—	—	—	—	1	—	—	*
Salem Harbor (MA).....	1,353,819	1,462,365	—	—	—	—	571	2,438	—	—	—
Sherman (MA).....	—	—	—	21,121	—	—	—	—	—	—	—
Vernon (NH).....	—	—	—	60,712	—	—	—	—	—	—	—
Vernon (VT).....	—	—	—	35,752	—	—	—	—	—	—	—
Wilder (NH).....	—	—	—	83,464	—	—	—	—	—	—	—
Wilder (VT).....	—	—	—	39,665	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
New Hampton (City of).....	—	222	1,368	—	—	—	—	1	12	—	*
New Hampton (IA).....	—	222	1,368	—	—	—	—	1	12	—	*
New Lisbon (City of).....	—	74	1	—	—	—	—	*	*	—	*
New Lisbon (WI).....	—	74	1	—	—	—	—	*	*	—	*
New Orleans Pub Serv Inc.....	—	439,652	2,860,391	—	—	—	—	673	31,203	—	205
Michoud (LA).....	—	438,278	2,860,391	—	—	—	—	668	31,203	—	203
Paterson, A B (LA).....	—	1,374	—	—	—	—	—	5	—	—	2
New Prague (City of).....	—	400	3,243	—	—	—	—	1	29	—	*
New Prague (MN).....	—	400	3,243	—	—	—	—	1	29	—	*
New Roads (City of).....	—	111	249	—	—	—	—	*	3	—	1
New Roads (LA).....	—	111	249	—	—	—	—	*	3	—	1
New Smyrna Beach (City of).....	—	2,310	—	—	—	—	—	4	—	—	1
Causeway (FL).....	—	—	—	—	—	—	—	—	—	—	—
Glencoe Road (FL).....	—	—	—	—	—	—	—	—	—	—	—
New Smyrna (FL).....	—	1,704	—	—	—	—	—	3	—	—	*
W E Swoope (FL).....	—	606	—	—	—	—	—	1	—	—	*
New Ulm (City of).....	—	3,033	23,978	—	—	—	—	7	595	3	5
New Ulm (MN).....	—	3,033	23,978	—	—	—	—	7	595	3	5
Newberry (City of).....	—	97	—	—	—	—	—	*	—	—	*
Newberry (MI).....	—	97	—	—	—	—	—	*	—	—	*
Newport Electric Corp.....	—	1,278	—	—	—	—	—	2	—	—	2
Eldred (RI).....	—	884	—	—	—	—	—	2	—	—	1
Jepson (RI).....	—	394	—	—	—	—	—	1	—	—	1
Niagara Mohawk Power Corp.....	7,975,768	1,015,706	892,584	2,802,261	12,153,137	—	3,132	1,598	10,964	405	1,866
Albany (NY).....	—	347,292	762,956	—	—	—	—	567	9,242	—	471
Allens Falls (NY).....	—	—	—	20,842	—	—	—	—	—	—	—
Baldwinsville (NY).....	—	—	—	1,750	—	—	—	—	—	—	—
Beardslee (NY).....	—	—	—	40,499	—	—	—	—	—	—	—
Beebe Island (NY).....	—	—	—	44,305	—	—	—	—	—	—	—
Belfort (NY).....	—	—	—	12,750	—	—	—	—	—	—	—
Bennetts Bridge (NY).....	—	—	—	71,132	—	—	—	—	—	—	—
Black River (NY).....	—	—	—	29,425	—	—	—	—	—	—	—
Blake (NY).....	—	—	—	69,350	—	—	—	—	—	—	—
Browns Falls (NY).....	—	—	—	60,955	—	—	—	—	—	—	—
Chasm (NY).....	—	—	—	18,754	—	—	—	—	—	—	—
Colton (NY).....	—	—	—	147,994	—	—	—	—	—	—	—
Deferiet (NY).....	—	—	—	53,468	—	—	—	—	—	—	—
Dunkirk (NY).....	3,639,256	6,268	—	—	—	—	1,366	11	—	180	1
Eagle (NY).....	—	—	—	33,874	—	—	—	—	—	—	—
East Norfolk (NY).....	—	—	—	24,800	—	—	—	—	—	—	—
Eel Weir (NY).....	—	—	—	8,845	—	—	—	—	—	—	—
Effley (NY).....	—	—	—	17,130	—	—	—	—	—	—	—
Elmer (NY).....	—	—	—	11,490	—	—	—	—	—	—	—
Ephratah (NY).....	—	—	—	11,821	—	—	—	—	—	—	—
Feeder Dam (NY).....	—	—	—	24,684	—	—	—	—	—	—	—
Five Falls (NY).....	—	—	—	112,511	—	—	—	—	—	—	—
Flat Rock (NY).....	—	—	—	17,274	—	—	—	—	—	—	—
Franklin (NY).....	—	—	—	10,898	—	—	—	—	—	—	—
Fulton (NY).....	—	—	—	4,971	—	—	—	—	—	—	—
Glenwood (NY).....	—	—	—	6,500	—	—	—	—	—	—	—
Granby (NY).....	—	—	—	36,782	—	—	—	—	—	—	—
Green Island (NY).....	—	—	—	31,269	—	—	—	—	—	—	—
Hannawa (NY).....	—	—	—	53,436	—	—	—	—	—	—	—
Herrings (NY).....	—	—	—	24,168	—	—	—	—	—	—	—
Heuvelton (NY).....	—	—	—	5,812	—	—	—	—	—	—	—
High Dam (NY).....	—	—	—	39,560	—	—	—	—	—	—	—
High Falls (NY).....	—	—	—	34,721	—	—	—	—	—	—	—
Higley (NY).....	—	—	—	36,012	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Niagara Mohawk Power Corp											
Hogansburg (NY).....	—	—	—	2,318	—	—	—	—	—	—	—
Huntley, C R (NY).....	4,336,512	6,172	—	—	—	—	1,766	12	—	225	3
Hydraulic Race (NY).....	—	—	—	8,568	—	—	—	—	—	—	—
Inghams (NY).....	—	—	—	23,960	—	—	—	—	—	—	—
Johnsonville (NY).....	—	—	—	6,059	—	—	—	—	—	—	—
Kamargo (NY).....	—	—	—	23,294	—	—	—	—	—	—	—
Lighthouse Hill (NY).....	—	—	—	14,446	—	—	—	—	—	—	—
Macomb (NY).....	—	—	—	6,708	—	—	—	—	—	—	—
Mechanicville (NY).....	—	—	—	-279	—	—	—	—	—	—	—
Minetto (NY).....	—	—	—	33,163	—	—	—	—	—	—	—
Moshier (NY).....	—	—	—	49,090	—	—	—	—	—	—	—
Nine Mile Point (NY).....	—	98	—	—	12,153,137	—	—	*	—	—	1
Norfolk (NY).....	—	—	—	24,200	—	—	—	—	—	—	—
Norwood (NY).....	—	—	—	15,392	—	—	—	—	—	—	—
Oak Orchard (NY).....	—	—	—	1,149	—	—	—	—	—	—	—
Oswegatchie (NY).....	—	—	—	—	—	—	—	—	—	—	—
Oswego (NY).....	—	655,876	129,628	—	—	—	—	1,008	1,723	—	1,390
Oswego Falls Es (NY).....	—	—	—	24,196	—	—	—	—	—	—	—
Oswego Falls Ws (NY).....	—	—	—	8,135	—	—	—	—	—	—	—
Parishville (NY).....	—	—	—	8,584	—	—	—	—	—	—	—
Piercefield (NY).....	—	—	—	9,172	—	—	—	—	—	—	—
Prospect (NY).....	—	—	—	61,774	—	—	—	—	—	—	—
Rainbow (NY).....	—	—	—	113,630	—	—	—	—	—	—	—
Raymondville (NY).....	—	—	—	13,404	—	—	—	—	—	—	—
Schaghticoke (NY).....	—	—	—	24,133	—	—	—	—	—	—	—
School Street (NY).....	—	—	—	159,633	—	—	—	—	—	—	—
Schuylerville (NY).....	—	—	—	4,291	—	—	—	—	—	—	—
Sewalls (NY).....	—	—	—	15,330	—	—	—	—	—	—	—
Sherman Island (NY).....	—	—	—	138,910	—	—	—	—	—	—	—
So Glens Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Soft Maple (NY).....	—	—	—	45,033	—	—	—	—	—	—	—
South Colton (NY).....	—	—	—	94,397	—	—	—	—	—	—	—
South Edwards (NY).....	—	—	—	20,118	—	—	—	—	—	—	—
Spier Falls (NY).....	—	—	—	227,119	—	—	—	—	—	—	—
Stark (NY).....	—	—	—	109,067	—	—	—	—	—	—	—
Stewarts Bridge (NY).....	—	—	—	126,598	—	—	—	—	—	—	—
Stuyvesant Falls (NY).....	—	—	—	—	—	—	—	—	—	—	—
Sugar Island (NY).....	—	—	—	29,615	—	—	—	—	—	—	—
Talville (NY).....	—	—	—	2,283	—	—	—	—	—	—	—
Taylorville (NY).....	—	—	—	22,973	—	—	—	—	—	—	—
Trenton (NY).....	—	—	—	114,563	—	—	—	—	—	—	—
Varick (NY).....	—	—	—	26,807	—	—	—	—	—	—	—
Waterport (NY).....	—	—	—	10,087	—	—	—	—	—	—	—
West, E J (NY).....	—	—	—	62,936	—	—	—	—	—	—	—
Yaleville (NY).....	—	—	—	3,623	—	—	—	—	—	—	—
Niles (City of)											
Niles (MI).....	—	—	—	—	—	—	—	—	—	—	—
Nome Lgt & Pwr Util.....											
Snake River (AK).....	—	28,595	—	—	—	—	—	43	—	—	49
	—	28,595	—	—	—	—	—	43	—	—	49
North Atlantic Energy Corp.....											
Seabrook (NH).....	—	—	—	—	8,387,023	—	—	—	—	—	—
	—	—	—	—	8,387,023	—	—	—	—	—	—
North Branch (City of).....											
North Branch (MN).....	—	—	—	—	—	—	—	—	—	—	—
North Cent Pwr Co Inc.....											
Arpin (WI).....	—	14	—	6,628	—	—	—	*	—	—	*
Radisson (WI).....	—	—	—	5,213	—	—	—	—	—	—	—
Winter (WI).....	—	14	—	—	—	—	—	*	—	—	*
	—	—	—	1,415	—	—	—	—	—	—	—
North Little Rk (City of).....											
Murray (AR).....	—	—	—	152,171	—	—	—	—	—	—	—
	—	—	—	152,171	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Northeast Mo El Pwr Coop.....	—	—	—	—	—	—	—	—	—	—	—
South River Station (MO).....	—	—	—	—	—	—	—	—	—	—	—
Northeast Nucl Energy Co.....	—	—	—	—	3,260,297	—	—	—	—	—	—
Millstone (CT).....	—	—	—	—	3,260,297	—	—	—	—	—	—
Northern Ind Pub Serv Co.....	15,442,349	597,177	424,066	81,523	—	—	8,567	—	5,080	1,135	—
Bailly (IN).....	2,751,400	—	17,183	—	—	—	1,356	—	187	162	—
Michigan City (IN).....	2,339,202	—	136,929	—	—	—	1,379	—	1,583	211	—
Mitchell, Dean H (IN).....	1,724,127	—	167,457	—	—	—	1,062	—	1,937	165	—
Norway (IN).....	—	—	—	34,807	—	—	—	—	—	—	—
Oakdale (IN).....	—	—	—	46,716	—	—	—	—	—	—	—
Schahfer, R. M. (IN).....	8,627,620	597,177	102,497	—	—	—	4,770	—	1,373	598	—
Northern States Power Co.....	21,971,009	655,072	475,924	695,808	11,644,106	—	13,101	219	6,522	1,574	287
Angus Anson (SD).....	—	379	168,524	—	—	—	—	1	2,168	—	29
Apple River (WI).....	—	—	—	16,975	—	—	—	—	—	—	—
Bay Front (WI).....	111,295	—	47,453	—	—	164,113	69	—	687	30	—
Big Falls (WI).....	—	—	—	26,296	—	—	—	—	—	—	—
Black Dog (MN).....	1,440,732	—	52,159	—	—	—	929	—	579	97	*
Blue Lake (MN).....	—	9,021	—	—	—	—	—	35	—	—	61
Cedar Falls (WI).....	—	—	—	27,423	—	—	—	—	—	—	—
Chippewa Falls (WI).....	—	—	—	54,574	—	—	—	—	—	—	—
Cornell (WI).....	—	—	—	47,479	—	—	—	—	—	—	—
Dells (WI).....	—	—	—	30,844	—	—	—	—	—	—	—
Flambeau (WI).....	—	—	7,804	—	—	—	—	—	150	—	7
French Island (WI).....	—	11,130	117	—	—	67,689	—	34	2	—	38
Granite City (MN).....	—	5	10,579	—	—	—	—	*	187	—	1
Hayward (WI).....	—	—	—	1,490	—	—	—	—	—	—	—
Hennepin Island (MN).....	—	—	—	81,914	—	—	—	—	—	—	—
High Bridge (MN).....	1,498,377	—	23,132	—	—	—	928	—	246	62	3
Holcombe (WI).....	—	—	—	65,208	—	—	—	—	—	—	—
Inver Hills (MN).....	—	6,645	83,150	—	—	—	—	11	1,210	—	54
Jim Falls (WI).....	—	—	—	88,694	—	—	—	—	—	—	—
Key City (MN).....	—	—	20,515	—	—	—	—	—	296	—	3
King (MN).....	2,185,830	397,081	3,055	—	—	—	1,282	—	39	124	—
Ladysmith (WI).....	—	—	—	7,731	—	—	—	—	—	—	—
Menomonie (WI).....	—	—	—	22,759	—	—	—	—	—	—	—
Minnesota Valley (MN).....	6,917	14	417	—	—	—	4	*	9	—	*
Monticello (MN).....	—	—	—	—	4,118,927	—	—	—	—	—	—
Pathfinder (SD).....	—	—	-1,505	—	—	—	—	—	6	—	—
Prairie Island (MN).....	—	—	—	—	7,525,179	—	—	—	—	—	—
Redwing (MN).....	—	—	1,507	—	—	127,392	—	—	27	—	—
Riverdale (WI).....	—	—	—	3,447	—	—	—	—	—	—	—
Riverside (MN).....	2,388,544	176,278	2,956	—	—	—	1,432	3	31	120	*
Saxon Falls (MI).....	—	—	—	8,529	—	—	—	—	—	—	—
Sherburne County (MN).....	14,339,314	14,110	—	—	—	—	8,457	25	—	1,141	4
St Croix Falls (WI).....	—	—	—	98,988	—	—	—	—	—	—	—
Superior Falls (MI).....	—	—	—	8,638	—	—	—	—	—	—	—
Thornapple (WI).....	—	—	—	6,424	—	—	—	—	—	—	—
Trego (WI).....	—	—	—	6,724	—	—	—	—	—	—	—
West Faribault (MN).....	—	—	1,858	—	—	—	—	—	33	—	—
Wheaton (WI).....	—	40,409	53,135	—	—	—	—	111	832	—	84
White River (WI).....	—	—	—	4,337	—	—	—	—	—	—	—
Wilmarth (MN).....	—	—	1,068	—	—	132,705	—	—	19	—	—
Wissota (WI).....	—	—	—	87,334	—	—	—	—	—	—	—
Northway Power & Light.....	—	—	—	—	—	—	—	—	—	—	—
Northway (AK).....	—	—	—	—	—	—	—	—	—	—	—
Northwestern Pub Serv Co.....	—	697	11,067	—	—	—	—	4	200	—	10
Aberdeen (SD).....	—	722	—	—	—	—	—	2	—	—	2
Clark (SD).....	—	-26	—	—	—	—	—	*	—	—	*
Faulton (SD).....	—	-30	—	—	—	—	—	*	—	—	*
Highmore (SD).....	—	-38	—	—	—	—	—	*	—	—	*
Huron (SD).....	—	—	10,534	—	—	—	—	*	191	—	6
Mobile (SD).....	—	-54	—	—	—	—	—	*	—	—	*

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Northwestern Pub Serv Co											
Redfield (SD).....	—	-17	2	—	—	—	—	*	2	—	*
Webster (SD).....	—	-97	—	—	—	—	—	*	—	—	*
Yankton New (SD).....	—	237	531	—	—	—	—	1	8	—	1
Northwestern Wis Elec Co	—	-6	—	9,272	—	—	—	1	—	—	2
Black Brook (WI).....	—	—	—	1,572	—	—	—	—	—	—	—
Clam Falls (WI).....	—	—	—	—	—	—	—	—	—	—	—
Clam River Dam (WI).....	—	—	—	4,821	—	—	—	—	—	—	—
Danbury (WI).....	—	-119	—	2,879	—	—	—	1	—	—	1
Frederic (WI).....	—	70	—	—	—	—	—	*	—	—	*
Grantsburg (WI).....	—	43	—	—	—	—	—	*	—	—	*
Northwood (City of)	—	—	—	—	—	—	—	—	—	—	—
Northwood (ND).....	—	—	—	—	—	—	—	—	—	—	—
Norton (City of)	—	44	250	—	—	—	—	*	4	—	*
Norton (KS).....	—	44	250	—	—	—	—	*	4	—	*
Norway (City of)	—	—	—	19,988	—	—	—	—	—	—	—
Norway (MI).....	—	—	—	19,988	—	—	—	—	—	—	—
Norwich (City of)	—	996	—	10,255	—	—	—	3	—	—	2
North Main (CT).....	—	996	—	—	—	—	—	3	—	—	2
Occum (CT).....	—	—	—	3,538	—	—	—	—	—	—	—
10Th Street (CT).....	—	—	—	5,324	—	—	—	—	—	—	—
2Nd Street (CT).....	—	—	—	1,393	—	—	—	—	—	—	—
Nushagak Elec Coop Inc.	—	1,572	—	—	—	—	—	1	—	—	1
Dillingham (AK).....	—	1,572	—	—	—	—	—	1	—	—	1
Oakdale South San Joaquin	—	—	—	690,575	—	—	—	—	—	—	—
Beardsley (CA).....	—	—	—	70,170	—	—	—	—	—	—	—
Donnels (CA).....	—	—	—	369,368	—	—	—	—	—	—	—
Sand Bar (CA).....	—	—	—	121,882	—	—	—	—	—	—	—
Tulloch (CA).....	—	—	—	129,155	—	—	—	—	—	—	—
Oakley (City of)	—	—	—	—	—	—	—	—	—	—	—
Oakely (KS).....	—	—	—	—	—	—	—	—	—	—	—
Oberlin (City of)	—	—	—	—	—	—	—	—	—	—	—
Oberlin (KS).....	—	—	—	—	—	—	—	—	—	—	—
Oberlin (City of)	—	600	3,748	—	—	—	—	1	41	—	*
Oberlin (OH).....	—	600	3,748	—	—	—	—	1	41	—	*
Oconto Electric Coop	—	—	—	4,557	—	—	—	—	—	—	—
Stiles (WI).....	—	—	—	4,557	—	—	—	—	—	—	—
Odessa (City of)	—	180	312	—	—	—	—	*	3	—	*
Odessa (MO).....	—	180	312	—	—	—	—	*	3	—	*
Ogden (City of)	—	274	72	—	—	—	—	*	1	—	*
Ogden (IA).....	—	274	72	—	—	—	—	*	1	—	*
Oglethorpe Power Corp.	—	—	—	-466,178	—	—	—	—	—	—	—
Rocky Mountain (GA).....	—	—	—	-469,811	—	—	—	—	—	—	—
Tallassee (GA).....	—	—	—	3,633	—	—	—	—	—	—	—
Ohio Edison Co	16,879,106	18,024	100,290	—	—	—	7,023	41	1,161	878	28
Burger, R E (OH).....	1,856,352	1,590	—	—	—	—	776	3	—	129	1
Edgewater (OH).....	—	3,668	100,290	—	—	—	—	8	1,161	—	4
Gorge Steam (OH).....	—	—	—	—	—	—	—	—	—	—	—
Mad River (OH).....	—	1,277	—	—	—	—	—	5	—	—	16
Niles (OH).....	1,289,932	3,957	—	—	—	—	586	10	—	53	4
Sammis (OH).....	13,732,822	7,532	—	—	—	—	5,661	14	—	696	4
West Lorain (OH).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, 1998 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Ohio Power Co.	37,246,806	91,532	—	166,927	—	—	15,586	156	—	1,584	71
Gavin, Gen J M (OH).....	16,366,864	33,414	—	—	—	—	7,155	57	—	616	19
Kammer (WV).....	3,998,827	2,776	—	—	—	—	1,588	5	—	310	1
Mitchell (WV).....	9,703,409	27,133	—	—	—	—	3,834	46	—	292	40
Muskingum River (OH).....	7,177,706	28,209	—	—	—	—	3,009	49	—	366	10
Racine (OH).....	—	—	—	166,927	—	—	—	—	—	—	—
Tidd (OH).....	—	—	—	—	—	—	—	—	—	—	—
Ohio Valley Elec Corp.	7,826,528	3,611	—	—	—	—	3,102	6	—	365	3
Kyger Creek (OH).....	7,826,528	3,611	—	—	—	—	3,102	6	—	365	3
Oklahoma Gas & Elec Co.	15,383,168	3,325	7,043,403	—	—	—	9,440	10	75,529	1,802	236
Arbuckle (OK).....	—	—	—	—	—	—	—	—	—	—	—
Conoco (OK).....	—	—	536,157	—	—	—	—	—	4,634	—	—
Enid (OK).....	—	—	5,053	—	—	—	—	—	106	—	—
Horseshoe Lake (OK).....	—	—	1,065,582	—	—	—	—	—	12,008	—	41
Muskogee (OK).....	9,175,682	—	255,191	—	—	—	5,761	—	2,775	1,002	—
Mustang (OK).....	—	—	704,034	—	—	—	—	—	7,552	—	—
Seminole (OK).....	—	—	4,477,261	—	—	—	—	—	48,453	—	165
Sooner (OK).....	6,207,486	3,325	—	—	—	—	3,679	10	—	800	30
Woodward (OK).....	—	—	125	—	—	—	—	—	2	—	—
Oklahoma Mun Power											
Authority.....	—	77	132,941	154,776	—	—	—	*	1,315	—	1
Kaw Hydro (OK).....	—	—	—	154,776	—	—	—	—	—	—	—
Ponca Steam (OK).....	—	—	21,654	—	—	—	—	—	296	—	—
Ponca Steam (OK).....	—	77	111,287	—	—	—	—	*	1,019	—	1
Omaha Public Power Dist.	7,113,346	14,533	162,167	—	3,388,896	—	4,516	33	2,055	678	30
Fort Calhoun (NE).....	—	—	—	—	3,388,896	—	—	—	—	—	—
Jones Street (NE).....	—	8,024	—	—	—	—	—	21	—	—	18
Nebraska City (NE).....	3,978,323	5,664	—	—	—	—	2,411	10	—	374	4
North Omaha (NE).....	3,135,023	—	63,014	—	—	—	2,105	—	737	304	—
Sarpy (NE).....	—	845	99,153	—	—	—	—	2	1,319	—	7
Onawa (City of)	—	—	—	—	—	—	—	—	—	—	—
Onawa (IA).....	—	—	—	—	—	—	—	—	—	—	—
Orange & Rockland Util Inc.	1,618,392	1,018,427	2,981,396	129,027	—	—	685	1,717	30,606	69	467
Bowline Point (NY).....	—	1,018,218	2,503,152	—	—	—	—	1,716	25,525	—	415
Grahamsville (NY).....	—	—	—	81,273	—	—	—	—	—	—	—
Hillburn (NY).....	—	—	6,895	—	—	—	—	*	123	—	3
Lovett (NY).....	1,618,392	86	454,188	—	—	—	685	*	4,644	69	46
Mongaup (NY).....	—	—	—	10,879	—	—	—	—	—	—	—
Rio (NY).....	—	—	—	23,020	—	—	—	—	—	—	—
Shoemaker (NY).....	—	123	17,161	—	—	—	—	1	314	—	3
Swinging Bridge 1 (NY).....	—	—	—	11,185	—	—	—	—	—	—	—
Swinging Bridge 2 (NY).....	—	—	—	2,670	—	—	—	—	—	—	—
Orcas Power and Light Co.	—	—	—	—	—	—	—	—	—	—	—
Eastsound (WA).....	—	—	—	—	—	—	—	—	—	—	—
Oregon Trail Elec Coop.	—	—	—	—	—	—	—	—	—	—	—
Rock Creek (OR).....	—	—	—	—	—	—	—	—	—	—	—
Orlando (City of)	6,080,507	899,595	953,167	—	—	—	2,305	1,492	10,342	226	352
Indian River (FL).....	—	889,461	953,167	—	—	—	—	1,476	10,342	—	348
St Cloud (FL).....	—	—	—	—	—	—	—	—	—	—	—
Stanton (FL).....	6,080,507	10,134	—	—	—	—	2,305	15	—	226	4
Oroville Wyandotte I Dist.	—	—	—	808,873	—	—	—	—	—	—	—
Forbestown (CA).....	—	—	—	274,529	—	—	—	—	—	—	—
Kelly Ridge (CA).....	—	—	—	90,875	—	—	—	—	—	—	—
Sly Creek (CA).....	—	—	—	68,593	—	—	—	—	—	—	—
Woodleaf (CA).....	—	—	—	374,876	—	—	—	—	—	—	—
Orrville (City of)	299,450	—	432	—	—	—	197	—	7	*	—
Orrville (OH).....	299,450	—	432	—	—	—	197	—	7	*	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Osage (City of)	—	726	168	—	—	—	—	1	1	—	*
Osage (IA)	—	726	168	—	—	—	—	1	1	—	*
Osage City (City of)	—	140	1,266	—	—	—	—	*	15	—	*
Osage (KS)	—	140	1,266	—	—	—	—	*	15	—	*
Osawatimie (City of)	—	1,192	—	—	—	—	—	2	—	—	1
Osawatimie (KS)	—	1,192	—	—	—	—	—	2	—	—	1
Osborne (City of)	—	60	71	—	—	—	—	*	2	—	*
Osborne (KS)	—	60	71	—	—	—	—	*	2	—	*
Osceola (City of)	—	—	—	—	—	—	—	—	—	—	—
Osceola (AR)	—	—	—	—	—	—	—	—	—	—	—
Ottawa (City of)	—	1,449	6,650	—	—	—	—	3	94	—	1
Ottawa (KS)	—	1,449	6,650	—	—	—	—	3	94	—	1
Otter Tail Power Co.	3,539,495	10,479	—	26,015	—	—	2,107	26	—	226	27
Bemidji (MN)	—	—	—	2,421	—	—	—	—	—	—	—
Big Stone (SD)	2,908,175	2,202	—	—	—	—	1,716	4	—	200	9
Dayton Hollow (MN)	—	—	—	7,281	—	—	—	—	—	—	—
Hoot Lake (MN)	631,320	1,264	—	3,675	—	—	391	3	—	25	*
Jamestown (ND)	—	3,476	—	—	—	—	—	10	—	—	12
Lake Preston (SD)	—	3,537	—	—	—	—	—	9	—	—	6
Pisgah (MN)	—	—	—	5,270	—	—	—	—	—	—	—
Port 148 (MN)	—	—	—	—	—	—	—	—	—	—	—
Taplin Gorge (MN)	—	—	—	4,685	—	—	—	—	—	—	—
Wright (MN)	—	—	—	2,683	—	—	—	—	—	—	—
Owatonna (City of)	—	—	24,881	—	—	—	—	—	321	—	—
Owatonna (MN)	—	—	24,881	—	—	—	—	—	321	—	—
Owensboro (City of)	2,631,383	3,091	—	—	—	—	1,260	7	—	152	1
Elmer Smith (KY)	2,631,383	3,091	—	—	—	—	1,260	7	—	152	1
Owensville (City of)	—	—	—	—	—	—	—	—	—	—	—
Owensville (MO)	—	—	—	—	—	—	—	—	—	—	—
Oxford (City of)	—	20	188	—	—	—	—	*	2	—	*
Oxford (NE)	—	20	188	—	—	—	—	*	2	—	*
Pacific Gas & Electric Co.	—	78,437	12,143,139	15,019,704	17,105,398	—	—	184	123,660	—	1,403
Alta (CA)	—	—	—	4,413	—	—	—	—	—	—	—
Balch 1 (CA)	—	—	—	191,170	—	—	—	—	—	—	—
Balch 2 (CA)	—	—	—	644,808	—	—	—	—	—	—	—
Belden (CA)	—	—	—	522,652	—	—	—	—	—	—	—
Black, James B (CA)	—	—	—	950,503	—	—	—	—	—	—	—
Bucks Creek (CA)	—	—	—	385,660	—	—	—	—	—	—	—
Butt Valley (CA)	—	—	—	184,437	—	—	—	—	—	—	—
Caribou 1 (CA)	—	—	—	213,779	—	—	—	—	—	—	—
Caribou 2 (CA)	—	—	—	605,099	—	—	—	—	—	—	—
Centerville (CA)	—	—	—	35,091	—	—	—	—	—	—	—
Chili Bar (CA)	—	—	—	50,006	—	—	—	—	—	—	—
Coal Canyon (CA)	—	—	—	3,455	—	—	—	—	—	—	—
Coleman (CA)	—	—	—	91,412	—	—	—	—	—	—	—
Contra Costa (CA)	—	—	1,894,419	—	—	—	—	—	18,583	—	459
Cow Creek (CA)	—	—	—	15,849	—	—	—	—	—	—	—
Crane Valley (CA)	—	—	—	4,956	—	—	—	—	—	—	—
Cresta (CA)	—	—	—	518,145	—	—	—	—	—	—	—
De Sabla (CA)	—	—	—	113,885	—	—	—	—	—	—	—
Deer Creek (CA)	—	—	—	20,193	—	—	—	—	—	—	—
Diablo Canyon (CA)	—	—	—	—	17,105,398	—	—	—	—	—	—
Downieville (CA)	—	—58	—	—	—	—	—	*	—	—	*
Drum 1 (CA)	—	—	—	70,693	—	—	—	—	—	—	—
Drum 2 (CA)	—	—	—	392,142	—	—	—	—	—	—	—
Dutch Flat (CA)	—	—	—	77,261	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pacific Gas & Electric Co											
El Dorado (CA).....	—	—	—	—	—	—	—	—	—	—	—
Electra (CA).....	—	—	—	566,946	—	—	—	—	—	—	—
Haas (CA).....	—	—	—	704,807	—	—	—	—	—	—	—
Halsey (CA).....	—	—	—	65,780	—	—	—	—	—	—	—
Hamilton Branch (CA).....	—	—	—	36,979	—	—	—	—	—	—	—
Hat Creek 1 (CA).....	—	—	—	50,692	—	—	—	—	—	—	—
Hat Creek 2 (CA).....	—	—	—	68,252	—	—	—	—	—	—	—
Helms (CA).....	—	—	—	-332,319	—	—	—	—	—	—	—
Hercules St (CA).....	—	—	—	—	—	—	—	—	—	—	—
Humbolt Bay (CA).....	—	5,267	250,479	—	—	—	—	13	3,541	—	17
Hunters Point (CA).....	—	15,009	1,089,728	—	—	—	—	32	12,768	—	6
Inskip (CA).....	—	—	—	63,647	—	—	—	—	—	—	—
Kerckhoff (CA).....	—	—	—	75,658	—	—	—	—	—	—	—
Kerckhoff 2 (CA).....	—	—	—	732,429	—	—	—	—	—	—	—
Kern Canyon (CA).....	—	—	—	61,148	—	—	—	—	—	—	—
Kilarc (CA).....	—	—	—	25,247	—	—	—	—	—	—	—
Kings River (CA).....	—	—	—	275,283	—	—	—	—	—	—	—
Lime Saddle (CA).....	—	—	—	7,931	—	—	—	—	—	—	—
Merced Falls (CA).....	—	—	—	19,141	—	—	—	—	—	—	—
Mobile Turbine (CA).....	—	—	—	—	—	—	—	—	—	—	—
Morro Bay (CA).....	—	—	549,667	—	—	—	—	—	5,741	—	—
Moss Landing (CA).....	—	—	2,364,337	—	—	—	—	—	22,737	—	—
Narrows (CA).....	—	—	—	55,087	—	—	—	—	—	—	—
Newcastle (CA).....	—	—	—	43,828	—	—	—	—	—	—	—
Oak Flat (CA).....	—	—	—	6,457	—	—	—	—	—	—	—
Oakland (CA).....	—	213	—	—	—	—	—	1	—	—	—
Phoenix (CA).....	—	—	—	11,429	—	—	—	—	—	—	—
Pit 1 (CA).....	—	—	—	411,102	—	—	—	—	—	—	—
Pit 3 (CA).....	—	—	—	540,880	—	—	—	—	—	—	—
Pit 4 (CA).....	—	—	—	685,164	—	—	—	—	—	—	—
Pit 5 (CA).....	—	—	—	1,195,362	—	—	—	—	—	—	—
Pit 6 (CA).....	—	—	—	534,244	—	—	—	—	—	—	—
Pit 7 (CA).....	—	—	—	719,500	—	—	—	—	—	—	—
Pittsburg (CA).....	—	—	4,863,824	—	—	—	—	—	48,883	—	759
Poe (CA).....	—	—	—	688,421	—	—	—	—	—	—	—
Potrero (CA).....	—	58,006	1,130,685	—	—	—	—	137	11,407	—	162
Potter Valley (CA).....	—	—	—	68,967	—	—	—	—	—	—	—
PVUSA 1 (CA).....	—	—	—	—	—	842	—	—	—	—	—
Rock Creek (CA).....	—	—	—	813,283	—	—	—	—	—	—	—
Salt Springs (CA).....	—	—	—	239,802	—	—	—	—	—	—	—
San Joaquin No. 1a (CA).....	—	—	—	2,335	—	—	—	—	—	—	—
San Joaquin No. 2 (CA).....	—	—	—	19,763	—	—	—	—	—	—	—
San Joaquin 3 (CA).....	—	—	—	23,110	—	—	—	—	—	—	—
South (CA).....	—	—	—	56,163	—	—	—	—	—	—	—
Spaulding No. 1 (CA).....	—	—	—	49,423	—	—	—	—	—	—	—
Spaulding No. 2 (CA).....	—	—	—	14,858	—	—	—	—	—	—	—
Spaulding No. 3 (CA).....	—	—	—	48,457	—	—	—	—	—	—	—
Spring Gap (CA).....	—	—	—	49,098	—	—	—	—	—	—	—
Stanislaus (CA).....	—	—	—	446,192	—	—	—	—	—	—	—
The Geysers (CA).....	—	—	—	—	—	4,839,573	—	—	—	—	—
Tiger Creek (CA).....	—	—	—	327,069	—	—	—	—	—	—	—
Toadtown (CA).....	—	—	—	8,305	—	—	—	—	—	—	—
Tule River (CA).....	—	—	—	36,421	—	—	—	—	—	—	—
Volta (CA).....	—	—	—	74,130	—	—	—	—	—	—	—
Volta 2 (CA).....	—	—	—	8,098	—	—	—	—	—	—	—
West Point (CA).....	—	—	—	112,553	—	—	—	—	—	—	—
Wise (CA).....	—	—	—	95,221	—	—	—	—	—	—	—
Wishon, A G (CA).....	—	—	—	117,752	—	—	—	—	—	—	—
Pacificorp.....	55,959,341	44,624	434,085	5,645,961	—	—	31,845	83	5,674	2,740	38
American Fork (UT).....	—	—	—	986	—	—	—	—	—	—	—
Ashton (ID).....	—	—	—	45,942	—	—	—	—	—	—	—
Beaver Upper (UT).....	—	—	—	13,569	—	—	—	—	—	—	—
Bend (OR).....	—	—	—	5,757	—	—	—	—	—	—	—
Big Fork (MT).....	—	—	—	14,623	—	—	—	—	—	—	—
Blundell (UT).....	—	—	—	—	—	160,057	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pacificorp											
Bridger, Jim (WY).....	15,923,292	13,744	—	—	—	—	9,025	24	—	148	16
Carbon (UT).....	1,286,805	1,797	—	—	—	—	600	3	—	45	*
Centralia (WA).....	9,288,131	4,309	—	—	—	—	6,106	8	—	864	4
Clearwater 1 (OR).....	—	—	—	70,894	—	—	—	—	—	—	—
Clearwater 2 (OR).....	—	—	—	70,365	—	—	—	—	—	—	—
Cline Falls (OR).....	—	—	—	3,248	—	—	—	—	—	—	—
Condit (WA).....	—	—	—	95,238	—	—	—	—	—	—	—
Copco 1 (CA).....	—	—	—	152,191	—	—	—	—	—	—	—
Copco 2 (CA).....	—	—	—	179,180	—	—	—	—	—	—	—
Cove (ID).....	—	—	—	53,937	—	—	—	—	—	—	—
Cutler (UT).....	—	—	—	176,412	—	—	—	—	—	—	—
Eagle Point (OR).....	—	—	—	4,874	—	—	—	—	—	—	—
East Side (OR).....	—	—	—	14,900	—	—	—	—	—	—	—
Fall Creek (CA).....	—	—	—	11,207	—	—	—	—	—	—	—
Fish Creek (OR).....	—	—	—	68,066	—	—	—	—	—	—	—
Ftn Green (UT).....	—	—	—	1,221	—	—	—	—	—	—	—
Gadsby (UT).....	—	—	322,953	—	—	—	—	—	3,747	—	—
Grace (ID).....	—	—	—	259,314	—	—	—	—	—	—	—
Granite (UT).....	—	—	—	2,553	—	—	—	—	—	—	—
Hunter (emery) (UT).....	9,044,084	9,527	—	—	—	—	4,140	18	—	758	5
Huntington Canyon (UT).....	6,445,954	6,941	—	—	—	—	2,910	13	—	528	6
Hydro No. 1 (UT).....	—	—	—	2,905	—	—	—	—	—	—	—
Hydro No. 2 (UT).....	—	—	—	1,827	—	—	—	—	—	—	—
Hydro No. 3 (UT).....	—	—	—	2,624	—	—	—	—	—	—	—
Iron Gate (CA).....	—	—	—	142,847	—	—	—	—	—	—	—
John C Boyle (OR).....	—	—	—	490,936	—	—	—	—	—	—	—
Johnston, Dave (WY).....	5,922,148	6,512	—	—	—	—	4,243	13	—	179	4
Last Chance (UT).....	—	—	—	14,959	—	—	—	—	—	—	—
Lemolo 1 (OR).....	—	—	—	166,080	—	—	—	—	—	—	—
Lemolo 2 (OR).....	—	—	—	226,787	—	—	—	—	—	—	—
Little Mountain (UT).....	—	—	84,394	—	—	—	—	—	1,655	—	1
Merwin (WA).....	—	—	—	563,519	—	—	—	—	—	—	—
Naches (WA).....	—	—	—	28,776	—	—	—	—	—	—	—
Naches Drop (WA).....	—	—	—	7,709	—	—	—	—	—	—	—
Naughton (WY).....	5,196,325	—	26,738	—	—	—	2,701	—	271	217	1
Olmstead (UT).....	—	—	—	56,238	—	—	—	—	—	—	—
Oneida (ID).....	—	—	—	113,059	—	—	—	—	—	—	—
Paris (ID).....	—	—	—	3,279	—	—	—	—	—	—	—
Pioneer (UT).....	—	—	—	28,113	—	—	—	—	—	—	—
Powerdale (OR).....	—	—	—	40,609	—	—	—	—	—	—	—
Prospect 1 (OR).....	—	—	—	33,736	—	—	—	—	—	—	—
Prospect 2 (OR).....	—	—	—	253,495	—	—	—	—	—	—	—
Prospect 3 (OR).....	—	—	—	41,202	—	—	—	—	—	—	—
Prospect 4 (OR).....	—	—	—	6,517	—	—	—	—	—	—	—
Skookumchuck (WA).....	—	—	—	—	—	—	—	—	—	—	—
Slide Creek (OR).....	—	—	—	112,242	—	—	—	—	—	—	—
Snake Creek (UT).....	—	—	—	4,646	—	—	—	—	—	—	—
Soda (ID).....	—	—	—	55,666	—	—	—	—	—	—	—
Soda Springs (OR).....	—	—	—	78,094	—	—	—	—	—	—	—
St Anthony (ID).....	—	—	—	4,333	—	—	—	—	—	—	—
Stairs (UT).....	—	—	—	7,846	—	—	—	—	—	—	—
Swift No. 2 (WA).....	—	—	—	225,844	—	—	—	—	—	—	—
Swift 1 (WA).....	—	—	—	738,949	—	—	—	—	—	—	—
Toketee (OR).....	—	—	—	276,322	—	—	—	—	—	—	—
Viva (WY).....	—	—	—	964	—	—	—	—	—	—	—
Wallowa Falls (OR).....	—	—	—	3,357	—	—	—	—	—	—	—
Weber (UT).....	—	—	—	25,346	—	—	—	—	—	—	—
West Side (OR).....	—	—	—	4,380	—	—	—	—	—	—	—
Wyodak (WY).....	2,852,602	1,794	—	—	—	—	2,120	4	—	—	2
Yale (WA).....	—	—	—	638,278	—	—	—	—	—	—	—
Painesville (City of).....	149,084	635	574	—	—	—	94	2	9	13	—
Painesville (OH).....	149,084	635	574	—	—	—	94	2	9	13	—
Palmyra (City of).....	—	70	1,376	—	—	—	—	*	12	—	*
Palmyra (MO).....	—	10	1,100	—	—	—	—	*	8	—	*
Palmyra 2 (MO).....	—	60	276	—	—	—	—	*	3	—	*

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Paragould (City of).....	—	—	—	—	—	—	—	—	—	—	—
Paragould (AR).....	—	—	—	—	—	—	—	—	—	—	—
Paris (City of).....	—	—	—	—	—	—	—	—	—	—	—
Paris (KY).....	—	—	—	—	—	—	—	—	—	—	—
Parowan City Corporation.....	—	—	—	4,407	—	—	—	—	—	—	—
Center Creek (UT).....	—	—	—	2,809	—	—	—	—	—	—	—
Paragonah (UT).....	—	—	—	1,598	—	—	—	—	—	—	—
Pasadena (City of).....	—	—	159,161	9,250	—	—	—	—	2,150	—	5
Azusa (CA).....	—	—	—	9,250	—	—	—	—	—	—	—
Broadway (CA).....	—	—	156,422	—	—	—	—	—	2,108	—	5
Glenarm (CA).....	—	—	2,739	—	—	—	—	—	42	—	—
Pattonsburg (City of).....	—	—	—	—	—	—	—	—	—	—	—
Pattonsburg (MO).....	—	—	—	—	—	—	—	—	—	—	—
Paullina (City of).....	—	—	—	—	—	—	—	—	—	—	—
Paullina (IA).....	—	—	—	—	—	—	—	—	—	—	—
Pawhuska (City of).....	—	—	—	—	—	—	—	—	—	—	—
Pawhuska (OK).....	—	—	—	—	—	—	—	—	—	—	—
Peabody (City of).....	—	29	2,108	—	—	—	—	*	27	—	5
Waters River (MA).....	—	29	2,108	—	—	—	—	*	27	—	5
Pelican Utility Co.....	—	324	—	1,917	—	—	—	1	—	—	*
Pelican (AK).....	—	324	—	1,917	—	—	—	1	—	—	*
Pella (City of).....	62,102	—	2,956	—	—	—	52	—	44	2	—
Pella (IA).....	62,102	—	2,956	—	—	—	52	—	44	2	—
Pend Oreille Pub Util D #1.....	—	—	—	482,078	—	—	—	—	—	—	—
Box Canyon (WA).....	—	—	—	478,920	—	—	—	—	—	—	—
Calispel Creek (WA).....	—	—	—	3,158	—	—	—	—	—	—	—
Pender (City of).....	—	147	—	—	—	—	—	*	—	—	*
Pender (NE).....	—	147	—	—	—	—	—	*	—	—	*
Pennsylvania Electric Co.....	45,289,972	74,915	26,349	40,256	—	—	17,806	157	286	2,104	57
Blossburg (PA).....	—	—	2,044	—	—	—	—	—	35	—	—
Conemaugh (PA).....	13,003,010	916	18,320	—	—	—	4,966	2	168	742	5
Deep Creek (MD).....	—	—	—	25,132	—	—	—	—	—	—	—
Homer City (PA).....	13,669,955	17,897	—	—	—	—	5,450	32	—	589	7
Keystone (PA).....	13,334,518	11,634	—	—	—	—	5,066	20	—	543	10
Piney (PA).....	—	—	—	53,271	—	—	—	—	—	—	—
Seneca (PA).....	—	—	—	-38,147	—	—	—	—	—	—	—
Seward (PA).....	1,107,854	5,561	—	—	—	—	519	11	—	80	1
Shawville (PA).....	3,907,945	11,312	—	—	—	—	1,645	20	—	114	10
Warren (PA).....	266,690	14,026	5,985	—	—	—	160	36	83	35	10
Wayne (PA).....	—	13,569	—	—	—	—	—	37	—	—	15
Pennsylvania Power Co.....	16,355,033	19,502	—	—	—	—	6,772	34	—	1,398	12
Mansfield, Bruce (PA).....	14,713,329	18,355	—	—	—	—	6,026	31	—	1,375	12
New Castle (PA).....	1,641,704	1,147	—	—	—	—	745	3	—	22	*
Pennsylvania Pwr & Lgt Co.....	20,776,768	2,233,089	212,642	616,154	16,405,850	—	8,460	3,019	2,712	3,532	2,013
Allentown (PA).....	—	12,950	—	—	—	—	—	35	—	—	5
Brunner Island (PA).....	8,046,185	17,172	—	—	—	—	3,052	40	—	487	9
Coal Storage (PA).....	—	—	—	—	—	—	—	—	—	1,758	—
Fishbach (PA).....	—	3,263	—	—	—	—	—	20	—	—	2
Harrisburg (PA).....	—	13,400	—	—	—	—	—	36	—	—	4
Harwood (PA).....	—	3,870	—	—	—	—	—	11	—	—	2
Holtwood (PA).....	347,464	199,448	—	523,751	—	—	275	2	—	66	*
Jenkins (PA).....	—	4,658	—	—	—	—	—	13	—	—	2
Loch Haven (PA).....	—	1,494	—	—	—	—	—	4	—	—	2

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pennsylvania Pwr & Lgt Co											
Martins Creek (PA).....	1,067,115	1,492,619	212,642	—	—	—	469	2,706	2,712	74	1,972
Montour (PA).....	9,236,519	41,847	—	—	—	—	3,449	117	—	415	8
Sunbury (PA).....	2,079,485	433,541	—	—	—	—	1,215	12	—	732	1
Susquehanna (PA).....	—	—	—	—	16,405,850	—	—	—	—	—	—
Wallenpaupack (PA).....	—	—	—	92,403	—	—	—	—	—	—	—
West Shore (PA).....	—	2,472	—	—	—	—	—	6	—	—	2
Williamsport (PA).....	—	6,355	—	—	—	—	—	17	—	—	2
Peru (City of).....	—	1,204	-760	37,539	—	—	—	4	—	—	1
Peru (IL).....	—	1,204	-760	37,539	—	—	—	4	—	—	1
Peru Utilities.....	7,565	52	—	—	—	—	5	*	—	1	*
Peru (IN).....	7,565	52	—	—	—	—	5	*	—	1	*
Petersburg (City of).....	—	784	—	10,541	—	—	—	1	—	—	*
Petersburg (AK).....	—	784	—	10,541	—	—	—	1	—	—	*
Piggott Pub Impr Dist # 1.....	—	105	—	—	—	—	—	*	—	—	*
Piggott (AR).....	—	105	—	—	—	—	—	*	—	—	*
Piqua (City of).....	-806	811	—	—	—	—	—	5	—	—	3
Piqua (OH).....	-806	811	—	—	—	—	—	5	—	—	3
Placer County Wtr Agency.....	—	—	—	1,362,278	—	—	—	—	—	—	—
French Meadows (CA).....	—	—	—	89,316	—	—	—	—	—	—	—
Hell Hole (CA).....	—	—	—	2,987	—	—	—	—	—	—	—
Middle Fork (CA).....	—	—	—	696,093	—	—	—	—	—	—	—
Oxbow (CA).....	—	—	—	39,863	—	—	—	—	—	—	—
Ralston (CA).....	—	—	—	534,019	—	—	—	—	—	—	—
Plains El Gen Trans Coop.....	1,356,946	—	5,192	—	—	—	781	—	67	51	9
Algodones (NM).....	—	—	—	—	—	—	—	—	—	—	—
Escalante (NM).....	1,356,946	—	5,192	—	—	—	781	—	67	51	9
Plainview (City of).....	—	—	—	—	—	—	—	—	—	—	—
Plainview (NE).....	—	—	—	—	—	—	—	—	—	—	—
Plaquemine (City of).....	—	—	19,550	—	—	—	—	—	291	—	—
Plaquemine (LA).....	—	—	19,550	—	—	—	—	—	291	—	—
Platte River Power Auth.....	1,751,272	2,497	—	—	—	—	1,050	5	—	109	2
Rawhide (CO).....	1,751,272	2,497	—	—	—	—	1,050	5	—	109	2
Portland (City of).....	—	—	126	1,445	—	—	—	—	1	—	—
Jenkins, Frank (MI).....	—	—	126	—	—	—	—	—	1	—	—
Portland (MI).....	—	—	—	1,445	—	—	—	—	—	—	—
Portland General Elec Co.....	3,348,089	33,127	3,466,916	2,821,010	—	—	2,037	59	28,884	196	144
Beaver (OR).....	—	23,549	1,749,440	—	—	—	—	38	16,356	—	121
Bethel (OR).....	—	563	39,108	—	—	—	—	1	515	—	19
Boardman (OR).....	3,348,089	9,015	—	—	—	—	2,037	20	—	196	3
Bull Run (OR).....	—	—	—	109,176	—	—	—	—	—	—	—
Coyote Springs (OR).....	—	—	1,678,368	—	—	—	—	—	12,013	—	—
Faraday (OR).....	—	—	—	182,358	—	—	—	—	—	—	—
North Fork (OR).....	—	—	—	212,603	—	—	—	—	—	—	—
Oak Grove (OR).....	—	—	—	270,923	—	—	—	—	—	—	—
Pelton (OR).....	—	—	—	488,467	—	—	—	—	—	—	—
Pelton Re Regulation (OR).....	—	—	—	95,892	—	—	—	—	—	—	—
Portland Hydro Proj 1 (OR).....	—	—	—	89,104	—	—	—	—	—	—	—
Portland Hydro Proj 2 (OR).....	—	—	—	—	—	—	—	—	—	—	—
River Mill (OR).....	—	—	—	112,882	—	—	—	—	—	—	—
Round Butte (OR).....	—	—	—	1,133,396	—	—	—	—	—	—	—
Sullivan (OR).....	—	—	—	126,209	—	—	—	—	—	—	—
Potomac Edison Co (The).....	275,772	1,147	—	37,582	—	—	126	2	—	42	*
Dam 4 (WV).....	—	—	—	6,741	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Potomac Edison Co (The)											
Dam 5 (WV).....	—	—	—	5,565	—	—	—	—	—	—	—
Luray (VA).....	—	—	—	5,161	—	—	—	—	—	—	—
Millville (WV).....	—	—	—	10,517	—	—	—	—	—	—	—
Newport (VA).....	—	—	—	5,128	—	—	—	—	—	—	—
Shenandoah (VA).....	—	—	—	2,575	—	—	—	—	—	—	—
Smith, R P (MD).....	275,772	1,147	—	—	—	—	126	2	—	42	*
Warren (VA).....	—	—	—	1,895	—	—	—	—	—	—	—
Potomac Electric Pwr Co.....	17,681,376	2,252,274	493,782	—	—	—	6,538	4,412	5,776	538	957
Benning (DC).....	—	213,415	—	—	—	—	—	471	—	—	101
Buzzard Point (DC).....	—	30,560	—	—	—	—	—	95	—	—	19
Chalk Point (MD).....	4,024,827	1,893,282	396,211	—	—	—	1,524	3,588	4,649	134	532
Dickerson (MD).....	3,710,663	16,421	97,571	—	—	—	1,357	33	1,127	71	151
Morgantown (MD).....	7,772,360	81,028	—	—	—	—	2,723	187	—	224	152
Potomac River (VA).....	2,173,526	17,568	—	—	—	—	934	38	—	108	1
Power Authy of St of N Y	—	2,275,200	1,428,143	22,976,021	12,588,024	—	—	3,753	12,277	—	625
Ashokan (NY).....	—	—	—	24,024	—	—	—	—	—	—	—
Blenheim (NY).....	—	—	—	-906,364	—	—	—	—	—	—	—
Crescent (NY).....	—	—	—	54,653	—	—	—	—	—	—	—
Fitzpatrick (NY).....	—	—	—	—	4,930,535	—	—	—	—	—	—
Flynn (NY).....	—	27,370	1,037,763	—	—	—	—	38	8,213	—	73
Hinckley (NY).....	—	—	—	26,848	—	—	—	—	—	—	—
Indian Point (NY).....	—	—	—	—	7,657,489	—	—	—	—	—	—
Kensico (NY).....	—	—	—	13,849	—	—	—	—	—	—	—
Lewiston (NY).....	—	—	—	-251,317	—	—	—	—	—	—	—
Moses Niagara (NY).....	—	—	—	16,766,241	—	—	—	—	—	—	—
Moses Power Dam (NY).....	—	—	—	7,197,958	—	—	—	—	—	—	—
Poletti (NY).....	—	2,247,830	390,380	—	—	—	—	3,715	4,063	—	552
Vischer Ferry (NY).....	—	—	—	50,129	—	—	—	—	—	—	—
Pratt (City of).....	—	11,300	27,554	—	—	—	—	55	340	—	4
Pratt (KS).....	—	—	23,159	—	—	—	—	—	293	—	3
Pratt 2 (KS).....	—	11,300	4,395	—	—	—	—	55	47	—	1
Preston (City of).....	—	75	216	—	—	—	—	*	2	—	*
Preston (MN).....	—	75	216	—	—	—	—	*	2	—	*
Preston (Town of).....	—	—	—	—	—	—	—	—	—	—	—
Preston (IA).....	—	—	—	—	—	—	—	—	—	—	—
Primghar (City of).....	—	—	—	—	—	—	—	—	—	—	—
Primghar (IA).....	—	—	—	—	—	—	—	—	—	—	—
Princeton (City of).....	—	380	—	—	—	—	—	1	—	—	1
Princeton (MN).....	—	380	—	—	—	—	—	1	—	—	1
Princeton (City of).....	—	1,052	7,263	—	—	—	—	2	70	—	1
Princeton (IL).....	—	1,052	7,263	—	—	—	—	2	70	—	1
Providence (City of).....	—	—	—	—	—	—	—	—	—	—	—
Providence (RI).....	—	—	—	—	—	—	—	—	—	—	—
Provo City Corporation.....	—	140	1,403	—	—	—	—	*	15	—	1
Provo (UT).....	—	140	1,403	—	—	—	—	*	15	—	1
Pub Serv Co of New Hamp.....	3,513,065	1,352,598	9,837	358,181	—	—	1,465	2,372	149	278	415
Amoskeag (NH).....	—	—	—	92,872	—	—	—	—	—	—	—
Ayers Island (NH).....	—	—	—	46,427	—	—	—	—	—	—	—
Canaan (VT).....	—	—	—	7,366	—	—	—	—	—	—	—
Eastman Falls (NH).....	—	—	—	27,864	—	—	—	—	—	—	—
Garvins Falls (NH).....	—	—	—	45,809	—	—	—	—	—	—	—
Gorham (NH).....	—	—	—	12,666	—	—	—	—	—	—	—
Hooksett (NH).....	—	—	—	9,586	—	—	—	—	—	—	—
Jackman (NH).....	—	—	—	9,263	—	—	—	—	—	—	—
Lost Nation (NH).....	—	243	—	—	—	—	—	1	—	—	1

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Pub Serv Co of New Hamp											
Merrimack (NH).....	2,834,229	851	—	—	—	—	1,116	2	—	256	2
Newington (NH).....	—	1,341,229	—	—	—	—	—	2,346	—	—	407
Schiller (NH).....	678,836	9,994	9,837	—	—	—	349	22	149	21	3
Smith (NH).....	—	—	—	106,328	—	—	—	—	—	—	—
White Lake (NH).....	—	281	—	—	—	—	—	1	—	—	1
Pub Serv Co of New Mexico	11,645,433	22,783	95,421	—	—	—	6,783	44	1,229	659	34
Las Vegas (NM).....	—	-1	—	—	—	—	—	1	—	—	4
Reeves (NM).....	—	—	95,421	—	—	—	—	—	1,229	—	—
San Juan (NM).....	11,645,433	22,784	—	—	—	—	6,783	43	—	659	30
Public Serv Elec & Gas Co	3,907,854	158,094	2,156,794	—	22,809,905	—	1,631	419	21,963	449	1,126
Bayonne (NJ).....	—	2,315	—	—	—	—	—	7	—	—	4
Bergen (NJ).....	—	1,384	894,749	—	—	—	—	2	7,204	—	115
Burlington (NJ).....	—	24,129	239,184	—	—	—	—	75	1,988	—	74
Edison (NJ).....	—	665	81,353	—	—	—	—	2	1,153	—	102
Essex (NJ).....	—	245	195,142	—	—	—	—	1	2,530	—	111
Hope Creek (NJ).....	—	—	—	—	8,719,866	—	—	—	—	—	—
Hudson (NJ).....	1,499,168	2,895	91,517	—	—	—	695	8	1,343	196	141
Kearny (NJ).....	—	46,289	17,067	—	—	—	—	137	294	—	214
Linden (NJ).....	—	51,228	177,851	—	—	—	—	118	2,050	—	214
Mercer (NJ).....	2,408,686	2,892	205,867	—	—	—	937	7	2,057	254	—
National Park (NJ).....	—	335	—	—	—	—	—	1	—	—	4
Salem (NJ).....	—	2,422	—	—	14,090,039	—	—	7	—	—	13
Sewaren (NJ).....	—	23,295	254,064	—	—	—	—	55	3,344	—	136
Public Service Co of Colo	18,587,071	6,011	817,287	91,781	—	—	10,168	14	8,587	1,190	80
Alamosa (CO).....	—	1,219	2,948	—	—	—	—	6	64	—	4
Ames (CO).....	—	—	—	17,682	—	—	—	—	—	—	—
Arapahoe (CO).....	998,728	—	82,350	—	—	—	697	—	1,109	62	—
Boulder Hydro (CO).....	—	—	—	19,328	—	—	—	—	—	—	—
Cabin Creek (CO).....	—	—	—	-127,502	—	—	—	—	—	—	—
Cameo (CO).....	517,354	—	1,067	—	—	—	298	—	14	2	*
Cherokee (CO).....	4,927,145	—	40,406	—	—	—	2,201	—	424	207	—
Comanche (CO).....	4,428,839	—	8,456	—	—	—	2,732	—	91	361	1
Fort Lupton (CO).....	—	1,194	27,828	—	—	—	—	3	459	—	10
Fort St. Vrain (CO).....	—	—	561,270	—	—	—	—	—	5,035	—	—
Fruita (CO).....	—	1,716	2,581	—	—	—	—	2	52	—	1
Georgetown Hydro (CO).....	—	—	—	5,553	—	—	—	—	—	—	—
Hayden (CO).....	3,098,400	1,857	1,922	—	—	—	1,543	4	19	151	1
Palisade Hydro (CO).....	—	—	—	18,511	—	—	—	—	—	—	—
Pawnee (CO).....	3,328,157	—	13,424	—	—	—	2,104	—	138	343	8
Salida No. 1 Hydro (CO).....	—	—	—	3,798	—	—	—	—	—	—	—
Salida No. 2 Hydro (CO).....	—	—	—	3,117	—	—	—	—	—	—	—
Shoshone Hydro (CO).....	—	—	—	124,873	—	—	—	—	—	—	—
Tacoma (CO).....	—	—	—	26,421	—	—	—	—	—	—	—
Valmont (CO).....	1,288,448	—	36,408	—	—	—	592	—	490	65	9
Zuni (CO).....	—	25	38,627	—	—	—	—	*	692	—	45
Public Service Co of Okla	6,850,009	819	7,590,635	—	—	—	4,022	2	76,241	522	103
Comanche (OK).....	—	139	1,555,819	—	—	—	—	*	13,226	—	*
Northeastern (OK).....	6,850,009	68	1,731,281	—	—	—	4,022	*	17,938	522	*
Riverside (OK).....	—	34	2,733,680	—	—	—	—	*	27,280	—	53
Southwestern (OK).....	—	474	1,093,147	—	—	—	—	1	12,281	—	48
Tulsa (OK).....	—	101	451,243	—	—	—	—	*	5,117	—	*
Weleetka (OK).....	—	3	25,465	—	—	—	—	*	399	—	*
Puget Sound Pwr & Lgt Co	—	34,289	840,495	1,190,543	—	—	—	76	9,948	—	69
Crystal Mountain (WA).....	—	153	—	—	—	—	—	*	—	—	1
Electron (WA).....	—	—	—	67,205	—	—	—	—	—	—	—
Frederickson (WA).....	—	7,594	178,399	—	—	—	—	15	2,319	—	12
Fredonia (WA).....	—	10,613	401,544	—	—	—	—	21	4,537	—	26
Lower Baker (WA).....	—	—	—	336,178	—	—	—	—	—	—	—
Nooksack (WA).....	—	—	—	-17	—	—	—	—	—	—	—
Snoqualmie (WA).....	—	—	—	232,386	—	—	—	—	—	—	—
South Whidbey (WA).....	—	2	—	—	—	—	—	*	—	—	1

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Puget Sound Pwr & Lgt Co											
Upper Baker (WA).....	—	—	—	319,975	—	—	—	—	—	—	—
White River (WA).....	—	—	—	234,816	—	—	—	—	—	—	—
Whitehorn (WA).....	—	15,927	260,552	—	—	—	—	39	3,092	—	30
PECO Energy Co.	3,060,093	1,635,232	151,002	1,293,019	33,199,545	—	1,374	3,201	1,737	185	426
Chester (PA).....	—	3,898	—	—	—	—	—	11	—	—	6
Conowingo (MD).....	—	—	—	1,714,605	—	—	—	—	—	—	—
Cromby (PA).....	764,241	359,663	23,828	—	—	—	328	632	266	38	35
Croydon (PA).....	—	90,012	—	—	—	—	—	207	—	—	60
Delaware (PA).....	—	128,881	—	—	—	—	—	277	—	—	66
Eddystone (PA).....	2,295,852	920,868	127,174	—	—	—	1,045	1,777	1,471	147	205
Falls (PA).....	—	5,727	—	—	—	—	—	14	—	—	8
Limerick (PA).....	—	—	—	—	16,740,055	—	—	—	—	—	—
Moser (PA).....	—	5,934	—	—	—	—	—	15	—	—	9
Muddy Run (PA).....	—	—	—	421,586	—	—	—	—	—	—	—
Oil Storage (PA).....	—	—	—	—	—	—	—	—	—	—	—
Peach Bottom (PA).....	—	—	—	—	16,459,490	—	—	—	—	—	—
Richmond (PA).....	—	32,512	—	—	—	—	—	77	—	—	27
Schuylkill (PA).....	—	81,649	—	—	—	—	—	176	—	—	5
Southwark (PA).....	—	6,088	—	—	—	—	—	16	—	—	6
PSI Energy, Inc.	32,444,233	132,664	106,015	349,721	—	—	15,102	272	1,087	2,302	48
Cayuga (IN).....	5,600,860	6,313	67,048	—	—	—	2,668	11	676	170	12
Connersville (IN).....	—	8,645	—	—	—	—	—	22	—	—	8
Edwardsport (IN).....	353,196	9,343	—	—	—	—	226	22	—	56	3
Gallagher, R (IN).....	2,871,664	24,994	—	—	—	—	1,177	46	—	91	2
Gibson (IN).....	18,713,858	22,943	—	—	—	—	8,520	40	—	1,521	7
Markland (IN).....	—	—	—	349,721	—	—	—	—	—	—	—
Miami Wabash (IN).....	—	1,608	—	—	—	—	—	9	—	—	10
Noblesville (IN).....	319,850	932	—	—	—	—	195	2	—	49	1
Wabash River (IN).....	4,584,805	57,886	38,967	—	—	—	2,316	119	411	415	6
Radford (City of)	—	—	—	5,279	—	—	—	—	—	—	—
Radford (VA).....	—	—	—	5,279	—	—	—	—	—	—	—
Rantoul (City of)	—	166	—	—	—	—	—	*	—	—	*
Rantoul (IL).....	—	166	—	—	—	—	—	*	—	—	*
Raton Pub Serv Co (The)	31,460	—	—	—	—	—	22	—	—	2	—
Raton (NM).....	31,460	—	—	—	—	—	22	—	—	2	—
Rayne (City of)	—	—	—	—	—	—	—	—	—	—	—
Rayne (LA).....	—	—	—	—	—	—	—	—	—	—	—
Red Bud (City of)	—	170	—	—	—	—	—	*	—	—	*
Red Bud (IL).....	—	170	—	—	—	—	—	*	—	—	*
Red Cloud (City of)	—	33	—	—	—	—	—	1	—	—	*
Red Cloud (NE).....	—	33	—	—	—	—	—	1	—	—	*
Redding (City of)	—	—	32,952	21,087	—	—	—	—	496	—	—
Redding Power (CA).....	—	—	32,952	—	—	—	—	—	496	—	—
Whiskeytown (CA).....	—	—	—	21,087	—	—	—	—	—	—	—
Redlands Water & Power Co	—	—	—	11	—	—	—	—	—	—	—
Redlands (CO).....	—	—	—	11	—	—	—	—	—	—	—
Redwood Falls (City of)	—	2,760	—	1,475	—	—	—	5	—	—	3
Redwood Falls (MN).....	—	2,760	—	1,475	—	—	—	5	—	—	3
Rensselaer (City of)	—	1,351	182	—	—	—	—	2	6	—	1
Rensselaer (IN).....	—	1,351	182	—	—	—	—	2	6	—	1
Renwick (City of)	—	—	—	—	—	—	—	—	—	—	—
Renwick (IA).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Rich Hill (City of).....	—	—	—	—	—	—	—	—	—	—	—
Rich Hill (MO).....	—	—	—	—	—	—	—	—	—	—	—
Richmond (City of).....	593,265	511	—	—	—	—	299	1	—	27	1
Whitewater Valley (IN).....	593,265	511	—	—	—	—	299	1	—	27	1
River Falls (City of).....	—	300	4,314	2,535	—	—	—	1	44	—	1
Junction (WI).....	—	300	4,314	1,704	—	—	—	1	44	—	1
Powell Falls (WI).....	—	—	—	831	—	—	—	—	—	—	—
Robstown (City of).....	—	2,712	28,854	—	—	—	—	5	352	—	1
Robstown (TX).....	—	2,712	28,854	—	—	—	—	5	352	—	1
Rochelle (City of).....	—	360	2,832	—	—	—	—	1	34	—	2
Rochelle No. 1 (IL).....	—	350	2,610	—	—	—	—	1	28	—	2
Rochelle No. 2 (IL).....	—	10	222	—	—	—	—	*	6	—	*
Rochester (City of).....	212,303	1,278	9,603	14,205	—	—	112	5	120	37	2
Cascade Creek (MN).....	—	1,278	—	—	—	—	—	5	—	—	2
Rochester (MN).....	—	—	—	14,205	—	—	—	—	—	—	—
Silver Lake (MN).....	212,303	—	9,603	—	—	—	112	—	120	37	—
Rochester Gas & Elec Corp.....	1,899,977	2,220	109	194,831	4,112,438	—	734	4	2	160	2
Ginna (NY).....	—	—	—	936	4,112,438	—	—	—	—	—	—
Station 160 (NY).....	—	—	—	3,322	—	—	—	—	—	—	—
Station 170 (NY).....	—	—	—	—	—	—	—	—	—	—	—
Station 172 (NY).....	—	—	—	—	—	—	—	—	—	—	—
Station 2 (NY).....	—	—	—	27,071	—	—	—	—	—	—	—
Station 26 (NY).....	—	—	—	8,050	—	—	—	—	—	—	—
Station 3 (NY).....	508,167	440	—	—	—	—	186	1	—	1	1
Station 5 (NY).....	—	—	—	155,452	—	—	—	—	—	—	—
Station 7 (NY).....	1,391,810	1,780	—	—	—	—	548	3	—	159	1
Station 9 (NY).....	—	—	109	—	—	—	—	—	2	—	—
Rock Rapids (City of).....	—	22	—	—	—	—	—	*	—	—	*
Rock Rapids (IA).....	—	22	—	—	—	—	—	*	—	—	*
Rockford (City of).....	—	—	—	—	—	—	—	—	—	—	—
Rockford (IA).....	—	—	—	—	—	—	—	—	—	—	—
Rockport (City of).....	—	47	485	—	—	—	—	*	6	—	*
Rockport (MO).....	—	47	485	—	—	—	—	*	6	—	*
Rockville Ctr (Village of).....	—	946	12,404	—	—	—	—	4	137	—	2
Rockville (NY).....	—	946	12,404	—	—	—	—	4	137	—	2
Roseau (City of).....	—	45	—	—	—	—	—	*	—	—	*
Roseau (MN).....	—	45	—	—	—	—	—	*	—	—	*
Russell (City of).....	—	1,095	7,184	—	—	—	—	7	375	—	1
Russell (KS).....	—	1,095	7,184	—	—	—	—	7	375	—	1
Ruston (City of).....	—	—	176,653	—	—	—	—	—	1,947	—	—
Ruston (LA).....	—	—	176,653	—	—	—	—	—	1,947	—	—
Sabetha (City of).....	—	204	297	—	—	—	—	1	5	—	1
Sabetha (KS).....	—	204	297	—	—	—	—	1	5	—	1
Sacramento Mun Util Dist.....	—	2	2,034,367	2,863,511	—	—	—	*	17,876	—	3
Camino (CA).....	—	—	—	606,609	—	—	—	—	—	—	—
Camp Far W (CA).....	—	—	—	45,842	—	—	—	—	—	—	—
Campbell Soup (CA).....	—	—	1,090,627	—	—	—	—	—	7,824	—	—
Carson (CA).....	—	—	377,943	—	—	—	—	—	3,926	—	—
Coldwater Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Hedge PV (CA).....	—	—	—	—	—	257	—	—	—	—	—
Jaybird (CA).....	—	—	—	822,952	—	—	—	—	—	—	—
Jones Fork (CA).....	—	—	—	34,811	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Sacramento Mun Util Dist											
Loon Lake (CA).....	—	—	—	135,216	—	—	—	—	—	—	—
McClellan (CA).....	—	2	8,423	—	—	—	—	*	128	—	3
Proc&Gamble (CA).....	—	—	557,374	—	—	—	—	—	5,998	—	—
Robbs Peak (CA).....	—	—	—	76,964	—	—	—	—	—	—	—
Slab Creek (CA).....	—	—	—	—	—	—	—	—	—	—	—
Smudgeo (CA).....	—	—	—	—	—	177,140	—	—	—	—	—
Solano (CA).....	—	—	—	—	—	2,556	—	—	—	—	—
Solar (CA).....	—	—	—	—	—	1,285	—	—	—	—	—
Union Valley (CA).....	—	—	—	195,704	—	—	—	—	—	—	—
White Rock (CA).....	—	—	—	945,413	—	—	—	—	—	—	—
Safe Harbor Water Power											
Corp.....	—	—	—	1,147,290	—	—	—	—	—	—	—
Safe Harbor (PA).....	—	—	—	1,147,290	—	—	—	—	—	—	—
Saint Marys (City of)	49,915	57	—	—	—	—	28	*	—	1	*
Saint Marys (OH).....	49,915	57	—	—	—	—	28	*	—	1	*
Salt River Project	21,244,033	38,578	1,398,482	408,922	—	—	10,083	68	14,589	853	250
Agua Fria (AZ).....	—	3	758,435	—	—	—	—	*	8,303	—	57
Coronado (AZ).....	4,781,150	16,460	—	—	—	—	2,523	29	—	227	13
Crosscut (AZ).....	—	—	—	9,390	—	—	—	—	—	—	—
Horse Mesa (AZ).....	—	—	—	198,607	—	—	—	—	—	—	—
Kyrene (AZ).....	—	19	68,384	—	—	—	—	*	939	—	51
Mormon Flat (AZ).....	—	—	—	104,920	—	—	—	—	—	—	—
Navajo (AZ).....	16,462,883	21,925	—	—	—	—	7,559	38	—	626	35
Roosevelt (AZ).....	—	—	—	60,680	—	—	—	—	—	—	—
San Tan (AZ).....	—	171	571,663	—	—	—	—	*	5,347	—	93
South Con (AZ).....	—	—	—	3,835	—	—	—	—	—	—	—
Stewart Mtn (AZ).....	—	—	—	31,490	—	—	—	—	—	—	—
Tnk Frm Stg (AZ).....	—	—	—	—	—	—	—	—	—	—	—
San Antonio Pub Serv Brd	9,386,164	6,712	5,248,183	—	—	—	5,513	12	54,258	662	321
Braunig, V H (TX).....	—	18	2,046,361	—	—	—	—	*	21,042	—	177
Deely, J T (TX).....	5,199,561	6,248	—	—	—	—	3,207	11	—	662	144
J K Spruce (TX).....	4,186,603	—	2,663	—	—	—	2,306	—	30	—	—
Leon Creek (TX).....	—	—	73,241	—	—	—	—	—	878	—	—
Mission Road (TX).....	—	—	39,034	—	—	—	—	—	486	—	—
Sommers, O W (TX).....	—	446	2,809,513	—	—	—	—	1	28,610	—	—
Tuttle, W B (TX).....	—	—	277,371	—	—	—	—	—	3,212	—	—
San Diego Gas & Elec Co	—	10,550	5,270,924	—	—	—	—	23	57,193	—	553
Division (CA).....	—	1,287	—	—	—	—	—	4	—	—	—
El Cajon (CA).....	—	32	3,073	—	—	—	—	*	53	—	1
Encina (CA).....	—	5,351	2,892,618	—	—	—	—	9	31,257	—	280
Kearny (CA).....	—	141	31,314	—	—	—	—	*	535	—	36
Leased Strg (CA).....	—	—	—	—	—	—	—	—	—	—	*
Miramar (CA).....	—	66	15,462	—	—	—	—	*	251	—	4
Naval Station (CA).....	—	19	7,657	—	—	—	—	*	105	—	1
Naval Training Cntr (CA).....	—	23	3,792	—	—	—	—	*	64	—	1
North Island (CA).....	—	1,815	2,405	—	—	—	—	5	39	—	5
Silver Gate (CA).....	—	—	—	—	—	—	—	—	—	—	—
South Bay (CA).....	—	1,816	2,314,603	—	—	—	—	5	24,889	—	225
San Miguel Elec Coop Inc	3,048,158	3,570	—	—	—	—	3,544	7	—	149	20
San Miguel (TX).....	3,048,158	3,570	—	—	—	—	3,544	7	—	149	20
Sanborn (City of)	—	—	—	—	—	—	—	—	—	—	—
Sanborn (IA).....	—	—	—	—	—	—	—	—	—	—	—
Santa Clara (City of)	—	—	64,826	94,559	—	—	—	—	968	—	—
Black Butte (CA).....	—	—	—	—	—	—	—	—	—	—	—
Cogen Plant (CA).....	—	—	56,642	—	—	—	—	—	856	—	—
Gianera (CA).....	—	—	8,184	—	—	—	—	—	112	—	—
Grizzly (CA).....	—	—	—	73,409	—	—	—	—	—	—	—
Highline (CA).....	—	—	—	566	—	—	—	—	—	—	—
Stony Gorge (CA).....	—	—	—	20,584	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Sargent (City of)	—	12	—	—	—	—	—	*	—	—	*
Sargent (NE)	—	12	—	—	—	—	—	*	—	—	*
Savannah Elec & Pwr Co	1,749,390	42,512	1,049,611	—	—	—	839	83	13,664	103	127
Boulevard (GA)	—	1,714	8,738	—	—	—	—	4	89	—	6
Kraft (GA)	916,450	27,230	205,015	—	—	—	412	48	2,384	40	24
McIntosh (GA)	832,940	13,568	734,293	—	—	—	427	31	9,531	63	97
Riverside (GA)	—	—	101,565	—	—	—	—	—	1,659	—	—
Seaford (City of)	—	2,948	—	—	—	—	—	5	—	—	1
Seaford (DE)	—	2,948	—	—	—	—	—	5	—	—	1
Seattle (City of)	—	—	—	6,089,014	—	—	—	—	—	—	—
Boundary (WA)	—	—	—	3,807,305	—	—	—	—	—	—	—
Cedar Falls (WA)	—	—	—	78,541	—	—	—	—	—	—	—
Diablo (WA)	—	—	—	716,195	—	—	—	—	—	—	—
Gorge (WA)	—	—	—	859,205	—	—	—	—	—	—	—
New Halem (WA)	—	—	—	-208	—	—	—	—	—	—	—
Ross Dam (WA)	—	—	—	568,795	—	—	—	—	—	—	—
South Fork Tolt (WA)	—	—	—	59,181	—	—	—	—	—	—	—
Sebewaing (City of)	—	43	112	—	—	—	—	*	1	—	*
Main Street (MI)	—	28	32	—	—	—	—	*	*	—	*
Pine Street (MI)	—	15	80	—	—	—	—	*	1	—	*
Seguin (City of)	—	—	—	—	—	—	—	—	—	—	*
Seguin (TX)	—	—	—	—	—	—	—	—	—	—	*
Seminole Electric Coop	8,691,916	461,114	—	—	—	—	3,572	42	—	603	10
Seminole (FL)	8,691,916	461,114	—	—	—	—	3,572	42	—	603	10
Seward Electric System	—	—	—	—	—	—	—	—	—	—	—
Schoonmaker (AK)	—	—	—	—	—	—	—	—	—	—	—
Sharon Springs (City of)	—	18	20	—	—	—	—	*	4	—	*
Sharon Spring (KS)	—	18	20	—	—	—	—	*	4	—	*
Shelby (City of)	63,256	45	57	—	—	—	44	*	1	*	*
Shelby (OH)	63,256	45	57	—	—	—	44	*	1	*	*
Sho Me Power Corp	—	—	—	9,477	—	—	—	—	—	—	—
Niangua (MO)	—	—	—	9,477	—	—	—	—	—	—	—
Shrewsbury (City of)	—	401	—	—	—	—	—	1	—	—	2
Shrewsbury (MA)	—	401	—	—	—	—	—	1	—	—	2
Sibley (City of)	—	—	—	—	—	—	—	—	—	—	—
Sibley (IA)	—	—	—	—	—	—	—	—	—	—	—
Sibley (IA)	—	—	—	—	—	—	—	—	—	—	—
Sidney (City of)	—	25	352	—	—	—	—	*	4	—	*
Sidney (NE)	—	25	352	—	—	—	—	*	4	—	*
Sierra Pacific Power Co	3,547,092	39,167	3,312,509	58,684	—	—	1,630	81	34,199	272	132
Battle Mt (NV)	—	-198	—	—	—	—	—	*	—	—	*
Brunswick (NV)	—	-150	—	—	—	—	—	*	—	—	*
Elko (NV)	—	—	—	—	—	—	—	—	—	—	—
Fallon (NV)	—	-12	-5	—	—	—	—	—	—	—	—
Farad (CA)	—	—	—	-42	—	—	—	—	—	—	—
Fleish (NV)	—	—	—	17,564	—	—	—	—	—	—	—
Fort Churchill (NV)	—	18,887	1,108,277	—	—	—	—	37	11,147	—	47
Gabbs (NV)	—	-68	—	—	—	—	—	*	—	—	1
Kings Beach (CA)	—	-194	—	—	—	—	—	1	—	—	1
Lahontan (NV)	—	—	—	8,673	—	—	—	—	—	—	—
North Valmy (NV)	3,547,092	6,753	—	—	—	—	1,630	12	—	272	4
Pinon Pine (NV)	—	—	643,217	—	—	—	—	—	5,010	—	—
Portola (CA)	—	-79	—	—	—	—	—	*	—	—	*

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Sierra Pacific Power Co											
Tracy (NV)	—	14,475	1,560,325	—	—	—	—	28	18,024	—	79
Valley Road (NV)	—	-218	—	—	—	—	—	1	—	—	*
Verdi (NV)	—	—	—	14,963	—	—	—	—	—	—	—
Washoe (NV)	—	—	—	14,540	—	—	—	—	—	—	—
Winnemucca (NV)	—	-29	695	—	—	—	—	—	19	—	—
26 Foot Drop (NV)	—	—	—	2,986	—	—	—	—	—	—	—
Sikeston (City of)	1,432,948	4,049	—	—	—	—	904	8	—	212	1
Coleman, E. P. (MO)	—	88	—	—	—	—	—	*	—	—	*
Sikeston (MO)	1,432,948	3,961	—	—	—	—	904	8	—	212	1
Sitka Municipal Utilities	—	658	—	93,875	—	—	—	1	—	—	4
Blue Lake (AK)	—	—	—	32,581	—	—	—	—	—	—	—
Blue Lake Fish (AK)	—	—	—	6,885	—	—	—	—	—	—	—
Blue Lake Pulp (AK)	—	—	—	1,486	—	—	—	—	—	—	—
Green Lake (AK)	—	—	—	52,923	—	—	—	—	—	—	—
Indian River (AK)	—	658	—	—	—	—	—	1	—	—	4
Sleepy Eye (City of)	—	465	—	—	—	—	—	1	—	*	*
Sleepy Eye (MN)	—	465	—	—	—	—	—	1	—	*	*
So Carolina Elec & Gas Co.	14,727,960	48,850	175,369	308,103	8,172,571	—	5,795	90	2,188	1,051	62
Burton (SC)	—	190	5,403	—	—	—	—	1	108	—	1
Canadys (SC)	1,692,033	8,255	21,708	—	—	—	709	16	223	119	4
Coit (SC)	—	426	7,935	—	—	—	—	1	135	—	4
Columbia Hydro (SC)	—	—	—	37,826	—	—	—	—	—	—	—
Cope (SC)	2,865,744	1,930	—	—	—	—	1,060	3	*	143	4
Faber Place (SC)	—	—	938	—	—	—	—	—	19	—	—
Fairfield County (SC)	—	—	—	-257,490	—	—	—	—	—	—	—
Hagood (SC)	—	1,871	58,549	—	—	—	—	4	732	—	13
Hardeeville (SC)	—	1,544	—	—	—	—	—	5	—	—	*
Mcmeekin (SC)	1,709,499	1,056	—	—	—	—	611	2	—	67	3
Neal Shoals (SC)	—	—	—	27,358	—	—	—	—	—	—	—
Parr (SC)	—	1,314	21,538	—	—	—	—	3	364	—	8
Parr Hydro (SC)	—	—	—	70,295	—	—	—	—	—	—	—
Saluda Hydro (SC)	—	—	—	332,152	—	—	—	—	—	—	—
Stevens Creek Hydro (GA)	—	—	—	97,962	—	—	—	—	—	—	—
SRS (SC)	144,406	1,233	—	—	—	—	193	3	—	71	*
Urquhart (SC)	1,108,280	1,290	35,137	—	—	—	457	3	372	20	4
V. C. Summer (SC)	—	—	—	—	8,172,571	—	—	—	—	—	—
Wateree (SC)	4,133,436	20,541	—	—	—	—	1,566	33	—	345	10
Williams (SC)	3,074,562	9,200	24,161	—	—	—	1,199	16	235	286	11
So Carolina Pub Serv Auth.	15,798,296	174,640	2,236	570,803	—	—	6,105	349	37	1,261	151
Cross (SC)	7,304,261	6,811	—	—	—	—	2,743	11	—	420	6
Grainger, Dolphus M (SC)	592,931	638	—	—	—	—	240	1	—	51	*
Hilton Head (SC)	—	25,257	—	—	—	—	—	70	—	—	39
Jefferies (SC)	1,626,903	119,400	—	205,495	—	—	665	203	—	101	55
Myrtle Beach (SC)	—	13,982	2,236	—	—	—	—	49	37	—	42
Spillway (SC)	—	—	—	14,406	—	—	—	—	—	—	—
St Stephens (SC)	—	—	—	350,902	—	—	—	—	—	—	—
Winyah (SC)	6,274,201	8,552	—	—	—	—	2,456	15	—	690	9
Soda springs (City of)	—	—	—	—	—	—	—	—	—	—	—
Soda Springs 1 (ID)	—	—	—	—	—	—	—	—	—	—	—
Soda Springs 2 (ID)	—	—	—	—	—	—	—	—	—	—	—
South Miss Elec Pwr Assoc.	2,341,095	3,938	735,761	—	—	—	1,011	8	8,462	228	12
Bennedale (MS)	—	—	4,191	—	—	—	—	—	63	—	—
Morrow (MS)	2,341,095	3,430	—	—	—	—	1,011	6	—	228	7
Moselle (MS)	—	12	731,570	—	—	—	—	*	8,399	—	3
Paulding (MS)	—	496	—	—	—	—	—	1	—	—	2
South Norwalk (City of)	—	2,546	—	—	—	—	—	5	—	—	1
South Norwalk (CT)	—	2,546	—	—	—	—	—	5	—	—	1

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
South Texas Elec Coop Inc	—	202	20,569	—	—	—	—	*	300	—	18
Sam Rayburn (TX)	—	202	20,569	—	—	—	—	*	300	—	18
Southern Calif Edison Co	9,596,626	28,047	2,931,563	5,918,531	17,488,808	—	4,459	55	29,788	426	1,828
Alamitos (CA)	—	—	984,444	—	—	—	—	—	10,054	—	—
Baker Dam (CA)	—	—	—	—	—	—	—	—	—	—	—
Big Creek 1 (CA)	—	—	—	571,390	—	—	—	—	—	—	—
Big Creek 2 (CA)	—	—	—	445,198	—	—	—	—	—	—	—
Big Creek 2a (CA)	—	—	—	657,541	—	—	—	—	—	—	—
Big Creek 3 (CA)	—	—	—	1,094,867	—	—	—	—	—	—	—
Big Creek 4 (CA)	—	—	—	613,169	—	—	—	—	—	—	—
Big Creek 8 (CA)	—	—	—	407,610	—	—	—	—	—	—	—
Bishop Creek 2 (CA)	—	—	—	44,205	—	—	—	—	—	—	—
Bishop Creek 3 (CA)	—	—	—	42,057	—	—	—	—	—	—	—
Bishop Creek 4 (CA)	—	—	—	55,274	—	—	—	—	—	—	—
Bishop Creek 5 (CA)	—	—	—	19,926	—	—	—	—	—	—	—
Bishop Creek 6 (CA)	—	—	—	14,072	—	—	—	—	—	—	—
Borel (CA)	—	—	—	70,992	—	—	—	—	—	—	—
Cool Water (CA)	—	—	226,961	—	—	—	—	—	2,352	—	—
Dominguez Hills (CA)	—	—	—	—	—	—	—	—	—	—	1,825
Eastwood (CA)	—	—	—	374,988	—	—	—	—	—	—	—
El Segundo (CA)	—	—	240,999	—	—	—	—	—	2,623	—	—
Ellwood (CA)	—	—	-5	—	—	—	—	—	1	—	—
Etiwanda (CA)	—	—	131,461	—	—	—	—	—	1,527	—	—
Fontana (CA)	—	—	—	8,752	—	—	—	—	—	—	—
Highgrove (CA)	—	—	-277	—	—	—	—	—	—	—	—
Huntington Beach (CA)	—	—	277,265	—	—	—	—	—	2,580	—	—
Kaweah 1 (CA)	—	—	—	14,694	—	—	—	—	—	—	—
Kaweah 2 (CA)	—	—	—	12,518	—	—	—	—	—	—	—
Kaweah 3 (CA)	—	—	—	33,511	—	—	—	—	—	—	—
Kern River 1 (CA)	—	—	—	209,550	—	—	—	—	—	—	—
Kern River 3 (CA)	—	—	—	225,378	—	—	—	—	—	—	—
Long Beach (CA)	—	—	19,095	—	—	—	—	—	239	—	—
Lundy (CA)	—	—	—	12,660	—	—	—	—	—	—	—
Lytle Creek (CA)	—	—	—	3,209	—	—	—	—	—	—	—
Mammoth Pool (CA)	—	—	—	760,691	—	—	—	—	—	—	—
Mandalay (CA)	—	2	161,179	—	—	—	—	*	1,591	—	—
Mill Creek 1 (CA)	—	—	—	6,089	—	—	—	—	—	—	—
Mill Creek 2&3 (CA)	—	—	—	—	—	—	—	—	—	—	—
Mill Creek 3 (CA)	—	—	—	13,528	—	—	—	—	—	—	—
Mohave (NV)	9,596,626	—	45,994	—	—	—	4,459	—	463	426	—
Ontario 1 (CA)	—	—	—	4,649	—	—	—	—	—	—	—
Ontario 2 (CA)	—	—	—	2,144	—	—	—	—	—	—	—
Ormond Beach (CA)	—	—	89,358	—	—	—	—	—	1,012	—	—
Pebbly Beach (CA)	—	28,045	—	—	—	—	—	55	—	—	3
Poole (CA)	—	—	—	40,650	—	—	—	—	—	—	—
Portal (CA)	—	—	—	48,632	—	—	—	—	—	—	—
Redondo Beach (CA)	—	—	755,426	—	—	—	—	—	7,346	—	—
Rush Creek (CA)	—	—	—	63,654	—	—	—	—	—	—	—
San Bernardino (CA)	—	—	-337	—	—	—	—	—	—	—	—
San Geronio (CA)	—	—	—	1,851	—	—	—	—	—	—	—
San Geronio (CA)	—	—	—	—	—	—	—	—	—	—	—
San Onofre (CA)	—	—	—	—	17,488,808	—	—	—	—	—	—
Santa Ana 1 (CA)	—	—	—	12,626	—	—	—	—	—	—	—
Santa Ana 2 (CA)	—	—	—	5,806	—	—	—	—	—	—	—
Santa Ana 3 (CA)	—	—	—	2,249	—	—	—	—	—	—	—
Sierra (CA)	—	—	—	3,959	—	—	—	—	—	—	—
Tule River (CA)	—	—	—	20,442	—	—	—	—	—	—	—
Southern Ill Pwr Coop	1,575,887	4,546	—	—	—	—	848	9	—	430	2
Marion (IL)	1,575,887	4,546	—	—	—	—	848	9	—	430	2
Southern Indiana G & E Co	6,380,868	1,615	131,089	—	—	—	2,950	3	1,651	726	9
A. B. Brown (IN)	2,818,400	1,579	60,546	—	—	—	1,312	3	633	278	2
Broadway (IN)	—	36	62,775	—	—	—	—	*	920	—	7
Culley (IN)	2,808,728	—	3,520	—	—	—	1,283	—	36	258	—
Northeast (IN)	—	—	2,273	—	—	—	—	—	44	—	—
Warrick (IN)	753,740	—	1,975	—	—	—	355	—	19	190	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Southwest Pub Pwr Dist	—	—	—	—	—	—	—	—	—	—	—
Palisade (NE)	—	—	—	—	—	—	—	—	—	—	—
Southwestern Elec Pwr Co	17,897,835	18,736	3,666,138	—	—	—	12,059	35	38,928	1,655	121
Arsenal Hill (LA)	—	—	205,158	—	—	—	—	—	2,250	—	—
Flint Creek (AR)	3,685,828	4,879	—	—	—	—	2,308	10	—	439	6
Knox Lee (TX)	—	—	1,060,764	—	—	—	—	—	11,095	—	61
Lieberman (LA)	—	—	354,556	—	—	—	—	—	3,942	—	20
Lone Star (TX)	—	—	51,100	—	—	—	—	—	787	—	3
Pirkey (TX)	4,199,209	—	8,613	—	—	—	3,536	—	89	341	—
Welsh (TX)	10,012,798	12,731	—	—	—	—	6,215	24	—	876	14
Wilkes (TX)	—	1,126	1,985,947	—	—	—	—	2	20,764	—	17
Southwestern Pub Serv Co	15,985,464	492	7,285,491	—	—	—	9,083	2	78,366	860	87
Carlsbad (NM)	—	—	6,647	—	—	—	—	—	111	—	—
Cunningham (NM)	—	—	1,614,260	—	—	—	—	—	16,768	—	—
Harrington (TX)	8,246,621	—	14,928	—	—	—	4,587	—	154	438	—
Jones (TX)	—	170	2,235,140	—	—	—	—	*	22,820	—	56
Maddox (NM)	—	—	687,835	—	—	—	—	—	7,325	—	—
Moore County (TX)	—	—	70,961	—	—	—	—	—	1,014	—	—
Nichols (TX)	—	85	1,526,200	—	—	—	—	*	16,826	—	—
Plant X (TX)	—	—	1,089,445	—	—	—	—	—	12,849	—	31
Riverview (TX)	—	—	19,047	—	—	—	—	—	300	—	—
Tolk Station (TX)	7,738,843	—	21,028	—	—	—	4,496	—	199	422	—
Tucumcari (NM)	—	237	—	—	—	—	—	1	—	—	1
Soyland Power Coop Inc	112,356	4,313	—	—	—	—	69	11	—	6	4
Pearl Station (IL)	112,356	4,381	—	—	—	—	69	10	—	6	3
Pittsfield (IL)	—	-68	—	—	—	—	—	1	—	—	1
Spalding (City of)	—	12	—	—	—	—	—	*	—	—	*
Spalding (NE)	—	12	—	—	—	—	—	*	—	—	*
Spencer (City of)	—	285	—	—	—	—	—	1	—	—	10
Spencer (IA)	—	285	—	—	—	—	—	1	—	—	10
Spring Valley (City of)	—	82	18	—	—	—	—	*	*	—	*
Spring Valley (MN)	—	82	18	—	—	—	—	*	*	—	*
Springfield (City of)	1,919,248	10,840	47,200	—	—	—	1,062	23	602	84	15
Dallman (IL)	1,723,515	4,171	—	—	—	—	938	8	—	78	1
Factory (IL)	—	4,157	—	—	—	—	—	8	—	—	4
Interstate (IL)	—	672	47,200	—	—	—	—	2	602	—	8
Lakeside (IL)	195,733	365	—	—	—	—	124	1	—	6	*
Reynolds (IL)	—	1,475	—	—	—	—	—	4	—	—	1
Springfield (City of)	2,580,778	223	271,813	—	—	—	1,597	1	3,406	225	19
James River (MO)	1,276,429	109	190,865	—	—	—	795	*	2,393	118	9
Main Street (MO)	—	18	—	—	—	—	—	*	—	—	1
Southwest (MO)	1,304,349	96	80,948	—	—	—	802	*	1,012	107	8
Springfield (City of)	—	—	—	—	—	—	—	—	—	—	—
Springfield (CO)	—	—	—	—	—	—	—	—	—	—	—
Springfield (City of)	—	—	—	—	—	—	—	—	—	—	—
Springfield (MN)	—	—	—	—	—	—	—	—	—	—	—
Springville (City of)	—	820	49,306	6,483	—	—	—	2	470	—	1
Bartholomew (UT)	—	—	—	4,153	—	—	—	—	—	—	—
Hobble Creek (UT)	—	—	—	1,111	—	—	—	—	—	—	—
Spring Creek (UT)	—	—	—	730	—	—	—	—	—	—	—
Upper Barth (UT)	—	—	—	489	—	—	—	—	—	—	—
Whitehead (UT)	—	820	49,306	—	—	—	—	2	470	—	1
Springville (City of)	—	—	—	—	—	—	—	—	—	—	—
Springville (NY)	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
St Francis (City of).....	—	2	—	—	—	—	—	*	—	—	—
St Francis (KS).....	—	2	—	—	—	—	—	*	—	—	—
St George City Corp.....	—	1,654	—	4,389	—	—	—	3	—	—	2
Gunlock Hydro (UT).....	—	—	—	2,292	—	—	—	—	—	—	—
No 2 Diesel (ID).....	—	1,654	—	—	—	—	—	3	—	—	2
Pine Valley (UT).....	—	—	—	2,097	—	—	—	—	—	—	—
St John (City of).....	—	66	—	—	—	—	—	*	—	—	*
St John (KS).....	—	66	—	—	—	—	—	*	—	—	*
St Joseph Lgt & Pwr Co.....	537,901	4,922	29,740	—	—	—	322	16	645	96	54
Lake Road (MO).....	537,901	4,922	29,740	—	—	—	322	16	645	96	54
St Louis (City of).....	—	—	—	—	—	—	—	—	—	—	—
Saint Louis (MI).....	—	—	—	—	—	—	—	—	—	—	—
Stafford (City of).....	—	20	155	—	—	—	—	*	2	—	*
Stafford (KS).....	—	20	155	—	—	—	—	*	2	—	*
Stanberry (City of).....	—	—	—	—	—	—	—	—	—	—	—
Stanberry (MO).....	—	—	—	—	—	—	—	—	—	—	—
State Center (City of).....	—	—	—	—	—	—	—	—	—	—	—
State Center (IA).....	—	—	—	—	—	—	—	—	—	—	—
Sterling (City of).....	—	120	905	—	—	—	—	*	9	—	2
Sterling (KS).....	—	120	905	—	—	—	—	*	9	—	2
Stillwater (City of).....	—	157	12,571	—	—	—	—	*	202	—	1
Boomer Lake (OK).....	—	157	12,571	—	—	—	—	*	202	—	1
Stockton (City of).....	—	-59	—	—	—	—	—	*	3	—	*
Stockton (KS).....	—	-59	—	—	—	—	—	*	3	—	*
Story City (City of).....	—	—	—	—	—	—	—	—	—	—	—
Story City (IA).....	—	—	—	—	—	—	—	—	—	—	—
Strawberry Pt (City of).....	—	75	44	—	—	—	—	*	1	—	*
Strawberry Point (IA).....	—	75	44	—	—	—	—	*	1	—	*
Strawberry Wtr Users Assn.....	—	—	—	18,335	—	—	—	—	—	—	—
Payson (UT).....	—	—	—	2,500	—	—	—	—	—	—	—
Spanish Fork (UT).....	—	—	—	15,835	—	—	—	—	—	—	—
Stuart (City of).....	—	—	—	—	—	—	—	—	—	—	—
Stuart (NE).....	—	—	—	—	—	—	—	—	—	—	—
Stuart (City of).....	—	—	—	—	—	—	—	—	—	—	*
Stuart (IA).....	—	—	—	—	—	—	—	—	—	—	*
Sturgis (City of).....	—	1,000	5,002	7,330	—	—	—	3	52	—	1
Centerville (MI).....	—	—	—	7,330	—	—	—	—	—	—	—
Sturgis (MI).....	—	1,000	5,002	—	—	—	—	3	52	—	1
Sullivan (City of).....	—	1,371	5,485	—	—	—	—	2	61	—	1
Sullivan (IL).....	—	1,371	5,485	—	—	—	—	2	61	—	1
Sumner (City of).....	—	60	138	—	—	—	—	*	1	—	1
Sumner (IA).....	—	60	138	—	—	—	—	*	1	—	1
Sunflower Elec Coop.....	2,585,756	—	61,322	—	—	—	1,537	—	786	176	—
Garden City (KS).....	—	—	52,280	—	—	—	—	—	692	—	—
Holcomb (KS).....	2,585,756	—	9,042	—	—	—	1,537	—	94	176	—
Superior Wtr Lt Pwr Co.....	—	—	—	—	—	—	—	—	—	—	—
Winslow (WI).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Swans Island Elec Coop.....	—	—	—	—	—	—	—	—	—	—	—
Minturn (ME)	—	—	—	—	—	—	—	—	—	—	—
Swanton (Village of)	—	—	—	9,570	—	—	—	—	—	—	—
Higate Falls (VT)	—	—	—	9,570	—	—	—	—	—	—	—
Systems Energy Resources											
Inc	—	—	—	—	9,190,528	—	—	—	—	—	—
Grand Gulf (MS)	—	—	—	—	9,190,528	—	—	—	—	—	—
SO Beloit Wtr Gas & Elec	—	—	—	1,760	—	—	—	—	—	—	—
Rockton (IL)	—	—	—	1,760	—	—	—	—	—	—	—
Tacoma (City of)	2,368	—	16	2,569,769	—	—	5	—	1	—	—
Alder (WA)	—	—	—	225,694	—	—	—	—	—	—	—
Cushman 1 (WA)	—	—	—	145,745	—	—	—	—	—	—	—
Cushman 2 (WA)	—	—	—	271,882	—	—	—	—	—	—	—
La Grande (WA)	—	—	—	340,701	—	—	—	—	—	—	—
Mayfield (WA)	—	—	—	650,796	—	—	—	—	—	—	—
Mossyrock (WA)	—	—	—	903,639	—	—	—	—	—	—	—
Steam Plant 2 (WA)	2,368	—	16	—	—	15,269	5	—	1	—	—
Wynoochee (WA)	—	—	—	31,312	—	—	—	—	—	—	—
Tallahassee (City of)	—	6,136	1,559,448	16,580	—	—	—	11	17,146	—	289
Hopkins, Arvah B (FL)	—	3,379	1,308,019	—	—	—	—	6	13,900	—	222
Jackson Bluff (FL)	—	—	—	16,580	—	—	—	—	—	—	—
Purdum, S O (FL)	—	2,757	251,429	—	—	—	—	6	3,246	—	67
Tampa Electric Co.	16,595,833	541,303	—	—	—	—	7,894	1,014	—	2,234	230
Big Bend (FL)	9,834,346	131,740	—	—	—	—	4,506	221	—	920	4
Coal Storage (FL)	—	—	—	—	—	—	—	—	—	1,119	—
Gannon, F J (FL)	5,560,852	40,698	—	—	—	—	2,848	91	—	151	5
Hookers Point (FL)	—	142,428	—	—	—	—	—	368	—	—	169
Polk (FL)	1,200,635	158,110	—	—	—	—	540	229	—	44	41
S Dinner Lk (FL)	—	—	—	—	—	—	—	—	—	—	—
S Phillips (FL)	—	68,327	—	—	—	—	—	104	—	—	12
Taunton (City of)	—	61,656	56,059	—	—	—	—	108	693	—	15
Cleary, B F (MA)	—	61,656	56,059	—	—	—	—	108	693	—	15
Tecumseh (City of)	—	80	204	—	—	—	—	*	3	—	*
Tecumseh (NE)	—	80	204	—	—	—	—	*	3	—	*
Tennessee Valley Auth	89,701,075	863,335	1,091,338	15,090,040	45,547,485	—	38,827	1,740	11,800	4,603	878
Allen (TN)	4,277,805	58,326	550,543	—	—	—	2,232	114	6,213	105	162
Apalachia (TN)	—	—	—	529,254	—	—	—	—	—	—	—
Blue Ridge (GA)	—	—	—	47,929	—	—	—	—	—	—	—
Boone (TN)	—	—	—	208,103	—	—	—	—	—	—	—
Browns Ferry (AL)	—	—	—	—	17,159,942	—	—	—	—	—	—
Bull Run (TN)	5,710,850	30,312	—	—	—	—	2,066	48	—	146	5
Chatuge (NC)	—	—	—	35,852	—	—	—	—	—	—	—
Cherokee (TN)	—	—	—	422,599	—	—	—	—	—	—	—
Chickamauga (TN)	—	—	—	828,070	—	—	—	—	—	—	—
Colbert (AL)	6,658,289	123,809	540,795	—	—	—	2,858	218	5,587	291	168
Cumberland (TN)	16,511,201	24,852	—	—	—	—	6,922	42	—	849	30
Douglas (TN)	—	—	—	533,417	—	—	—	—	—	—	—
Fontana (NC)	—	—	—	1,003,791	—	—	—	—	—	—	—
Fort Loudoun (TN)	—	—	—	897,940	—	—	—	—	—	—	—
Fort Patrick Henry (TN)	—	—	—	136,772	—	—	—	—	—	—	—
Gallatin (TN)	6,345,235	77,846	—	—	—	—	2,932	147	—	374	88
Great Falls (TN)	—	—	—	169,201	—	—	—	—	—	—	—
Guntersville (AL)	—	—	—	737,531	—	—	—	—	—	—	—
Hiwassee (NC)	—	—	—	293,970	—	—	—	—	—	—	—
Johnsonville (TN)	6,617,080	497,221	—	—	—	—	3,034	1,078	—	356	389
Kentucky (KY)	—	—	—	1,069,594	—	—	—	—	—	—	—
Kingston (TN)	10,192,797	8,740	—	—	—	—	4,041	15	—	153	6
Melton Hill (TN)	—	—	—	174,265	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
Plant (State)	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Tennessee Valley Auth											
Nickajack (TN).....	—	—	—	620,450	—	—	—	—	—	—	—
Norris (TN).....	—	—	—	500,253	—	—	—	—	—	—	—
Nottely (GA).....	—	—	—	40,388	—	—	—	—	—	—	—
Ocoee 1 (TN).....	—	—	—	82,486	—	—	—	—	—	—	—
Ocoee 2 (TN).....	—	—	—	117,853	—	—	—	—	—	—	—
Ocoee 3 (TN).....	—	—	—	190,328	—	—	—	—	—	—	—
Paradise (KY).....	12,872,143	4,336	—	—	—	—	5,695	7	—	1,086	1
Pickwick (TN).....	—	—	—	1,340,246	—	—	—	—	—	—	—
Raccoon Mountain (TN).....	—	—	—	-622,336	—	—	—	—	—	—	—
Sequoyah (TN).....	—	—	—	—	18,705,275	—	—	—	—	—	—
Sevier, John (TN).....	5,466,818	1,936	—	—	—	—	2,093	3	—	142	1
Shawnee (KY).....	7,516,048	16,274	—	—	—	—	3,451	30	—	444	9
South Holston (TN).....	—	—	—	163,521	—	—	—	—	—	—	—
Tims Ford (TN).....	—	—	—	78,028	—	—	—	—	—	—	—
Watauga (TN).....	—	—	—	168,556	—	—	—	—	—	—	—
Watts Bar (TN).....	-1,489	—	—	—	—	—	—	—	—	—	—
Watts Bar (TN).....	—	—	—	958,341	—	—	—	—	—	—	—
Watts Bar (TN).....	—	—	—	—	9,682,268	—	—	—	—	—	—
Wheeler (AL).....	—	—	—	1,478,087	—	—	—	—	—	—	—
Widows Creek (AL).....	7,534,298	19,683	—	—	—	—	3,503	38	—	658	19
Wilbur (TN).....	—	—	—	29,299	—	—	—	—	—	—	—
Wilson (AL).....	—	—	—	2,856,252	—	—	—	—	—	—	—
Terrebonne Parish Consol											
Govt.....	—	-321	111,047	—	—	—	—	*	1,499	—	1
Houma (LA).....	—	-321	111,047	—	—	—	—	*	1,499	—	1
Texas Mun Power Agency	2,512,234	—	8,002	—	—	—	1,559	*	89	208	6
Gibbons Creek (TX).....	2,512,234	—	8,002	—	—	—	1,559	*	89	208	6
Texas Utilities Elec Co	39,643,778	82,042	40,004,835	—	17,851,259	—	33,538	165	418,876	1,874	2,309
Big Brown (TX).....	6,125,871	—	55,744	—	—	—	5,024	—	605	181	—
Collin (TX).....	—	1,643	310,330	—	—	—	—	3	3,495	—	50
Comanche Peak (TX).....	—	—	—	—	17,851,259	—	—	—	—	—	—
De Cordova (TX).....	—	188	3,677,017	—	—	—	—	*	35,913	—	231
Eagle Mountain (TX).....	—	128	1,113,285	—	—	—	—	*	14,113	—	70
Graham (TX).....	—	—	2,536,877	—	—	—	—	—	24,871	—	124
Handley (TX).....	—	—	3,443,441	—	—	—	—	—	40,339	—	259
Lake Creek (TX).....	—	486	1,002,206	—	—	—	—	1	10,850	—	53
Lake Hubbard (TX).....	—	10,696	2,662,187	—	—	—	—	21	28,116	—	240
Martin Lake (TX).....	16,107,145	23,388	—	—	—	—	13,390	45	—	548	18
Monticello (TX).....	12,837,214	14,603	—	—	—	—	11,347	37	—	463	15
Morgan Creek (TX).....	—	10,694	3,307,849	—	—	—	—	20	34,756	—	218
Mountain Creek (TX).....	—	—	2,715,474	—	—	—	—	—	29,302	—	156
North Lake (TX).....	—	6,230	1,961,160	—	—	—	—	12	20,722	—	123
North Main (TX).....	—	—	100,877	—	—	—	—	—	1,303	—	—
Parkdale (TX).....	—	—	627,745	—	—	—	—	—	8,176	—	4
Permian Basin (TX).....	—	291	3,369,761	—	—	—	—	1	34,065	—	219
River Crest (TX).....	—	—	130,061	—	—	—	—	—	1,583	—	3
Sandow (TX).....	4,573,548	4,097	—	—	—	—	3,777	8	—	681	—
Stryker Creek (TX).....	—	964	2,357,400	—	—	—	—	2	23,251	—	94
Tradinghouse Creek (TX).....	—	—	6,392,504	—	—	—	—	—	62,257	—	194
Trinidad (TX).....	—	400	561,427	—	—	—	—	1	6,026	—	41
Valley (TX).....	—	8,234	3,679,490	—	—	—	—	15	39,132	—	197
Texas-New Mexico Power Co	2,050,817	—	16,897	—	—	—	1,740	—	192	34	—
Lordsburg (NM).....	—	—	—	—	—	—	—	—	—	—	—
TNP One (TX).....	2,050,817	—	16,897	—	—	—	1,740	—	192	34	—
Thief Rvr Falls (City of)	—	74	—	2,518	—	—	—	*	—	—	*
Thief River Falls (MN).....	—	74	—	2,518	—	—	—	*	—	—	*
Thumb Elec Coop of Mich	—	191	—	—	—	—	—	*	—	—	*
Caro (MI).....	—	107	—	—	—	—	—	*	—	—	*
Ubyly (MI).....	—	84	—	—	—	—	—	*	—	—	*

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Tipton (City of).....	—	30	163	—	—	—	—	*	2	—	*
Tipton (IA).....	—	30	163	—	—	—	—	*	2	—	*
Toledo Edison Co (The).....	3,059,270	3,029	790	—	6,141,660	—	1,642	8	22	186	5
Acme (OH).....	—	—	—	—	—	—	—	—	—	—	—
Bay Shore (OH).....	3,059,270	2,702	—	—	—	—	1,642	6	—	186	3
Davis-Besse (OH).....	—	—	—	—	6,141,660	—	—	—	—	—	—
Richland (OH).....	—	171	790	—	—	—	—	1	22	—	2
Stryker (OH).....	—	156	—	—	—	—	—	1	—	—	1
Traer (City of).....	—	70	564	—	—	—	—	*	4	—	*
Traer (IA).....	—	70	564	—	—	—	—	*	4	—	*
Traverse (City of).....	4,486	—	—	12,582	—	—	3	—	—	9	—
Bayside (MI).....	4,486	—	—	—	—	—	3	—	—	9	—
Boardman (MI).....	—	—	—	5,461	—	—	—	—	—	—	—
Brown Bridge (MI).....	—	—	—	3,021	—	—	—	—	—	—	—
Elk Rapids (MI).....	—	—	—	1,754	—	—	—	—	—	—	—
Sabin (MI).....	—	—	—	2,346	—	—	—	—	—	—	—
Trenton (City of).....	—	733	—	—	—	—	—	1	—	—	3
Trenton (MO).....	—	18	—	—	—	—	—	*	—	—	*
Trenton PKG (MO).....	—	715	—	—	—	—	—	1	—	—	2
Trenton (City of).....	—	—	—	—	—	—	—	—	—	—	—
Trenton (NE).....	—	—	—	—	—	—	—	—	—	—	—
Tri-state G & T Assn Inc.....	9,481,641	24,838	13,378	—	—	—	4,793	56	128	1,184	27
Burlington (CO).....	—	21,493	—	—	—	—	—	45	—	—	26
Craig (CO).....	8,898,538	—	13,378	—	—	—	4,478	—	128	1,161	*
Nucla (CO).....	583,103	3,345	—	—	—	—	315	11	—	23	1
Trinidad (City of).....	899	11	—	—	—	—	1	*	—	—	*
Trinidad (CO).....	899	11	—	—	—	—	1	*	—	—	*
Truman (City of).....	—	62	—	—	—	—	—	*	—	—	*
Truman (MN).....	—	62	—	—	—	—	—	*	—	—	*
Tucson Electric Power Co.....	6,191,045	4,109	318,505	—	—	—	3,319	7	3,953	491	21
De Moss Petrie (AZ).....	—	—	562	—	—	—	—	—	8	—	4
Irvington (AZ).....	415,923	—	312,633	—	—	—	193	—	3,844	81	5
North Loop (AZ).....	—	—	5,310	—	—	—	—	—	100	—	7
Springerville (AZ).....	5,775,122	4,109	—	—	—	—	3,127	7	—	410	6
Tulia (City of).....	—	—	—	—	—	—	—	—	—	—	—
Tulia (TX).....	—	—	—	—	—	—	—	—	—	—	—
Turlock Irrigation Dist.....	—	17	93,057	815,528	—	—	—	*	1,025	—	3
Almond (CA).....	—	—	91,149	—	—	—	—	—	988	—	—
Hickman (CA).....	—	—	—	3,805	—	—	—	—	—	—	—
Lagrange (CA).....	—	—	—	32,922	—	—	—	—	—	—	—
New Don Pedro (CA).....	—	—	—	758,448	—	—	—	—	—	—	—
Turlock Lake (CA).....	—	—	—	8,947	—	—	—	—	—	—	—
Uppr Dawson (CA).....	—	—	—	11,406	—	—	—	—	—	—	—
Walnut (CA).....	—	17	1,908	—	—	—	—	*	37	—	3
Two Harbors (City of).....	—	—	—	—	—	—	—	—	—	—	—
Two Harbors (MN).....	—	—	—	—	—	—	—	—	—	—	—
Unalakleet Valley Elec As.....	—	4,298	—	—	—	—	—	8	—	—	6
Unalakleet (AK).....	—	4,298	—	—	—	—	—	8	—	—	6
Union City (Village of).....	—	—	—	1,281	—	—	—	—	—	—	—
Riley (MI).....	—	—	—	1,281	—	—	—	—	—	—	—
Union City (MI).....	—	—	—	—	—	—	—	—	—	—	—
Union Electric Co.....	28,806,950	96,028	153,111	1,839,007	8,516,773	—	17,221	248	2,386	2,094	102

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Union Electric Co											
Callaway (MO).....	—	—	—	—	8,516,773	—	—	—	—	—	—
Canton (MO).....	—	—	—	—	—	—	—	—	—	—	—
Howard Bend (MO).....	—	7,145	—	—	—	—	—	19	—	—	3
Jefferson City (MO).....	—	9,021	—	—	—	—	—	23	—	—	6
Keokuk (IA).....	—	—	—	882,419	—	—	—	—	—	—	—
Kirkville (MO).....	—	—	994	—	—	—	—	—	20	—	—
Labadie (MO).....	13,783,497	13,257	—	—	—	—	8,277	25	—	792	39
Meramec (MO).....	2,353,999	8,788	66,059	—	—	—	1,335	22	763	241	7
Mexico (MO).....	—	10,303	—	—	—	—	—	26	—	—	6
Moberly (MO).....	—	9,909	—	—	—	—	—	27	—	—	6
Moreau (MO).....	—	9,995	—	—	—	—	—	26	—	—	6
Osage (MO).....	—	—	—	1,034,951	—	—	—	—	—	—	—
Portable (MO).....	—	—	—	—	—	—	—	—	—	—	—
Rush Island (MO).....	7,776,444	7,314	—	—	—	—	4,774	13	—	481	4
Sioux (MO).....	4,893,010	2,851	—	—	—	77,787	2,835	5	—	580	1
Taum Sauk (MO).....	—	—	—	-78,363	—	—	—	—	—	—	—
Venice No. 2 (IL).....	—	17,445	83,363	—	—	—	—	60	1,535	—	23
Viaduct (MO).....	—	—	2,695	—	—	—	—	—	69	—	—
Unionville (City of)	—	344	—	—	—	—	—	1	—	—	*
Unionville (MO).....	—	344	—	—	—	—	—	1	—	—	*
United Gas Imp Co (The)	287,108	5,258	—	—	—	—	193	10	—	52	*
Hunlock Creek (PA).....	287,108	5,258	—	—	—	—	193	10	—	52	*
United Illuminating Co	1,482,608	2,910,631	5,137	—	—	—	590	4,525	50	134	640
Bridgeport Harbor (CT).....	1,482,608	680,182	—	—	—	—	590	1,124	—	134	453
English (CT).....	—	—	—	—	—	—	—	—	—	—	—
New Haven Harbor (CT).....	—	2,230,449	5,137	—	—	—	—	3,401	50	—	187
United Power Assn	1,102,206	3,720	2,419	—	—	—	901	9	50	98	8
Cambridge (MN).....	—	802	—	—	—	—	—	2	—	—	2
Elk River (MN).....	—	107	2,419	—	—	191,196	—	*	50	—	1
Maple Lake (MN).....	—	474	—	—	—	—	—	1	—	—	2
Rock Lake (MN).....	—	724	—	—	—	—	—	2	—	—	2
Stanton (ND).....	1,102,206	1,613	—	—	—	—	901	3	—	98	1
Upper Peninsula Power Co	—	5,230	4,028	97,988	—	—	—	15	74	3	4
AuTrain (MI).....	—	—	—	4,127	—	—	—	—	—	—	—
Cataract (MI).....	—	—	—	2,023	—	—	—	—	—	—	—
Escanaba (MI).....	—	—	—	—	—	—	—	—	—	—	—
Gladstone (MI).....	—	3,445	—	—	—	—	—	9	—	—	2
Hoist (MI).....	—	—	—	9,046	—	—	—	—	—	—	—
McClure (MI).....	—	—	—	31,682	—	—	—	—	—	—	—
Portage (MI).....	—	1,785	—	—	—	—	—	6	—	—	2
Prickett (MI).....	—	—	—	5,719	—	—	—	—	—	—	—
Victoria (MI).....	—	—	—	45,391	—	—	—	—	—	—	—
Warden, John H (MI).....	—	—	4,028	—	—	—	—	—	74	3	—
Usbia-San Carlos Irr Proj	—	—	—	—	—	—	—	—	—	—	—
Coolidge (AZ).....	—	—	—	—	—	—	—	—	—	—	—
Utilicorp United Inc	3,088,254	14,196	231,398	—	—	—	1,584	33	3,068	193	51
Green, Ralph (MO).....	—	—	35,099	—	—	—	—	—	405	—	—
Greenwood (MO).....	—	11,131	189,389	—	—	—	—	25	2,542	—	48
Kci (MO).....	—	—	6,910	—	—	—	—	—	121	—	—
Nevada (MO).....	—	1,115	—	—	—	—	—	3	—	—	2
Sibley (MO).....	3,088,254	1,950	—	—	—	—	1,584	4	—	193	1
UtiliCorp United Inc	220,785	1,335	842,985	—	—	—	129	4	10,954	12	8
Cimarron River (KS).....	—	—	145,822	—	—	—	—	—	2,262	—	—
Clark, W N (CO).....	220,785	—	—	—	—	—	129	—	—	12	—
Clifton (KS).....	—	—	45,554	—	—	—	—	—	732	—	—
Judson Large (KS).....	—	—	385,846	—	—	—	—	—	4,797	—	2
Mullergren, Arthur (KS).....	—	—	258,932	—	—	—	—	—	3,004	—	1
Pueblo (CO).....	—	837	6,831	—	—	—	—	2	158	—	4
Rocky Ford (CO).....	—	498	—	—	—	—	—	2	—	—	1

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USBR-Great Plains Region	—	—	—	3,261,562	—	—	—	—	—	—	—
Alcova (WY).....	—	—	—	155,608	—	—	—	—	—	—	—
Big Thompson (CO).....	—	—	—	6,932	—	—	—	—	—	—	—
Boysen (WY).....	—	—	—	101,651	—	—	—	—	—	—	—
Buffalo Bill (WY).....	—	—	—	91,191	—	—	—	—	—	—	—
Canyon Ferry (MT).....	—	—	—	457,505	—	—	—	—	—	—	—
Estes (CO).....	—	—	—	75,690	—	—	—	—	—	—	—
Flatiron (CO).....	—	—	—	151,320	—	—	—	—	—	—	—
Fremont Canyon (WY).....	—	—	—	342,872	—	—	—	—	—	—	—
Glendo (WY).....	—	—	—	111,324	—	—	—	—	—	—	—
Green Mountain (CO).....	—	—	—	63,120	—	—	—	—	—	—	—
Guernsey (WY).....	—	—	—	27,631	—	—	—	—	—	—	—
Heart Mountain (WY).....	—	—	—	18,814	—	—	—	—	—	—	—
Kortes (WY).....	—	—	—	179,353	—	—	—	—	—	—	—
Marys Lake (CO).....	—	—	—	26,723	—	—	—	—	—	—	—
Mount Elbert (CO).....	—	—	—	-48,586	—	—	—	—	—	—	—
Pilot Butte (WY).....	—	—	—	3,887	—	—	—	—	—	—	—
Pole Hill (CO).....	—	—	—	125,183	—	—	—	—	—	—	—
Seminole (WY).....	—	—	—	182,895	—	—	—	—	—	—	—
Shoshone (WY).....	—	—	—	23,320	—	—	—	—	—	—	—
Spirit Mountain (WY).....	—	—	—	17,246	—	—	—	—	—	—	—
Yellowtail (MT).....	—	—	—	1,147,883	—	—	—	—	—	—	—
USBR-Lower Colorado Region	—	—	—	8,469,400	—	—	—	—	—	—	—
Davis (AZ).....	—	—	—	1,561,853	—	—	—	—	—	—	—
Hoover (AZ).....	—	—	—	3,117,858	—	—	—	—	—	—	—
Hoover (NV).....	—	—	—	3,092,689	—	—	—	—	—	—	—
Parker (CA).....	—	—	—	697,000	—	—	—	—	—	—	—
USBR-Mid Pacific Region	—	—	—	7,406,486	—	—	—	—	—	—	—
Folsom (CA).....	—	—	—	928,717	—	—	—	—	—	—	—
Judge F Carr (CA).....	—	—	—	520,925	—	—	—	—	—	—	—
Keswick (CA).....	—	—	—	579,888	—	—	—	—	—	—	—
Lewiston (CA).....	—	—	—	2,927	—	—	—	—	—	—	—
New Melones (CA).....	—	—	—	818,172	—	—	—	—	—	—	—
Nimbus (CA).....	—	—	—	88,477	—	—	—	—	—	—	—
O'Neill (CA).....	—	—	—	-67,067	—	—	—	—	—	—	—
Shasta (CA).....	—	—	—	3,021,903	—	—	—	—	—	—	—
Spring Creek (CA).....	—	—	—	749,899	—	—	—	—	—	—	—
Stampede (CA).....	—	—	—	11,401	—	—	—	—	—	—	—
Trinity (CA).....	—	—	—	751,244	—	—	—	—	—	—	—
USBR-Pacific NW Region	—	—	—	23,281,273	—	—	—	—	—	—	—
Anderson Ranch (ID).....	—	—	—	180,012	—	—	—	—	—	—	—
Black Canyon (ID).....	—	—	—	64,788	—	—	—	—	—	—	—
Boise River Div (ID).....	—	—	—	—	—	—	—	—	—	—	—
Chandler (WA).....	—	—	—	48,907	—	—	—	—	—	—	—
Grand Coulee (WA).....	—	—	—	21,038,360	—	—	—	—	—	—	—
Green Springs (OR).....	—	—	—	52,377	—	—	—	—	—	—	—
Hungry Horse (MT).....	—	—	—	781,277	—	—	—	—	—	—	—
Minidoka (ID).....	—	—	—	162,230	—	—	—	—	—	—	—
Palisades (ID).....	—	—	—	889,070	—	—	—	—	—	—	—
Roza (WA).....	—	—	—	64,252	—	—	—	—	—	—	—
USBR-Upper Colorado Region	—	—	—	7,887,241	—	—	—	—	—	—	—
Blue Mesa (CO).....	—	—	—	248,617	—	—	—	—	—	—	—
Crystal (CO).....	—	—	—	192,432	—	—	—	—	—	—	—
Deer Creek (UT).....	—	—	—	35,820	—	—	—	—	—	—	—
Elephant Butte (NM).....	—	—	—	116,053	—	—	—	—	—	—	—
Flaming Gorge (UT).....	—	—	—	714,406	—	—	—	—	—	—	—
Fontenelle (WY).....	—	—	—	76,222	—	—	—	—	—	—	—
Glen Canyon (AZ).....	—	—	—	6,118,903	—	—	—	—	—	—	—
Lower Molina (CO).....	—	—	—	22,096	—	—	—	—	—	—	—
McPhee (CO).....	—	—	—	862	—	—	—	—	—	—	—
Morrow Point (CO).....	—	—	—	309,222	—	—	—	—	—	—	—
Towaoc (CO).....	—	—	—	15,731	—	—	—	—	—	—	—
Upper Molina (CO).....	—	—	—	36,877	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USCE-Fort Worth District	—	—	—	232,358	—	—	—	—	—	—	—
R D Willis (TX)	—	—	—	36,817	—	—	—	—	—	—	—
Sam Rayburn (TX)	—	—	—	151,988	—	—	—	—	—	—	—
Whitney (TX)	—	—	—	43,553	—	—	—	—	—	—	—
USCE-Hartwell Power Plant	—	—	—	631,871	—	—	—	—	—	—	—
Hartwell (GA)	—	—	—	631,871	—	—	—	—	—	—	—
USCE-J Strom Thur Pwr Plt	—	—	—	1,079,862	—	—	—	—	—	—	—
J Strom Thurmond (SC)	—	—	—	1,079,862	—	—	—	—	—	—	—
USCE-Kansas City Dist	—	—	—	519,846	—	—	—	—	—	—	—
Harry S Truman (MO)	—	—	—	473,898	—	—	—	—	—	—	—
Stockton (MO)	—	—	—	45,948	—	—	—	—	—	—	—
USCE-Little Rock	—	—	—	2,769,883	—	—	—	—	—	—	—
Beaver (AR)	—	—	—	151,837	—	—	—	—	—	—	—
Bull Shoals (AR)	—	—	—	784,067	—	—	—	—	—	—	—
Dardanelle (AR)	—	—	—	543,912	—	—	—	—	—	—	—
Greers Ferry (AR)	—	—	—	174,397	—	—	—	—	—	—	—
Norfolk (AR)	—	—	—	197,483	—	—	—	—	—	—	—
Ozark (AR)	—	—	—	373,227	—	—	—	—	—	—	—
Table Rock (MO)	—	—	—	544,960	—	—	—	—	—	—	—
USCE-Missouri River District	—	—	—	9,992,685	—	—	—	—	—	—	—
Big Bend (SD)	—	—	—	1,007,835	—	—	—	—	—	—	—
Fort Peck (MT)	—	—	—	1,093,365	—	—	—	—	—	—	—
Fort Randall (SD)	—	—	—	1,934,353	—	—	—	—	—	—	—
Garrison (ND)	—	—	—	2,295,948	—	—	—	—	—	—	—
Gavins Point (NE)	—	—	—	845,772	—	—	—	—	—	—	—
Oahe (SD)	—	—	—	2,815,412	—	—	—	—	—	—	—
USCE-Mobile District	—	—	—	2,409,490	—	—	—	—	—	—	—
Allatoona (GA)	—	—	—	185,197	—	—	—	—	—	—	—
Buford (GA)	—	—	—	248,435	—	—	—	—	—	—	—
Carters (GA)	—	—	—	364,331	—	—	—	—	—	—	—
J Woodruff (FL)	—	—	—	181,925	—	—	—	—	—	—	—
Jones Bluff (AL)	—	—	—	325,188	—	—	—	—	—	—	—
Millers Ferry (AL)	—	—	—	288,204	—	—	—	—	—	—	—
Walter F George (GA)	—	—	—	551,852	—	—	—	—	—	—	—
West Point (GA)	—	—	—	264,358	—	—	—	—	—	—	—
USCE-Nashville	—	—	—	3,593,453	—	—	—	—	—	—	—
Barkley (KY)	—	—	—	725,003	—	—	—	—	—	—	—
Center Hill (TN)	—	—	—	460,482	—	—	—	—	—	—	—
Cheatham (TN)	—	—	—	200,663	—	—	—	—	—	—	—
Cordell Hull (TN)	—	—	—	433,660	—	—	—	—	—	—	—
Dale Hollow (TN)	—	—	—	135,827	—	—	—	—	—	—	—
J Percy Priest (TN)	—	—	—	73,953	—	—	—	—	—	—	—
Laurel (KY)	—	—	—	73,929	—	—	—	—	—	—	—
Old Hickory (TN)	—	—	—	553,791	—	—	—	—	—	—	—
Wolf Creek (KY)	—	—	—	936,145	—	—	—	—	—	—	—
USCE-North Pacific Div	—	—	—	55,783,740	—	—	—	—	—	—	—
Albeni Falls (ID)	—	—	—	248,683	—	—	—	—	—	—	—
Big Cliff (OR)	—	—	—	94,003	—	—	—	—	—	—	—
Bonneville (OR)	—	—	—	5,199,874	—	—	—	—	—	—	—
Chief Joseph (WA)	—	—	—	11,404,854	—	—	—	—	—	—	—
Cougar (OR)	—	—	—	146,509	—	—	—	—	—	—	—
Detroit (OR)	—	—	—	392,735	—	—	—	—	—	—	—
Dexter (OR)	—	—	—	18,913	—	—	—	—	—	—	—
Dworshak (ID)	—	—	—	1,352,242	—	—	—	—	—	—	—
Foster (OR)	—	—	—	99,779	—	—	—	—	—	—	—
Green Peter (OR)	—	—	—	183,728	—	—	—	—	—	—	—
Hills Creek (OR)	—	—	—	168,423	—	—	—	—	—	—	—
Ice Harbor (WA)	—	—	—	2,008,886	—	—	—	—	—	—	—
John Day (OR)	—	—	—	9,856,776	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
USCE-North Pacific Div											
Libby (MT).....	—	—	—	2,126,865	—	—	—	—	—	—	—
Little Goose (WA).....	—	—	—	2,735,545	—	—	—	—	—	—	—
Lookout Point (OR).....	—	—	—	289,598	—	—	—	—	—	—	—
Lost Creek (OR).....	—	—	—	345,974	—	—	—	—	—	—	—
Lower Granite (WA).....	—	—	—	2,873,145	—	—	—	—	—	—	—
Lower Monumental (WA).....	—	—	—	2,973,379	—	—	—	—	—	—	—
McNary (OR).....	—	—	—	6,355,074	—	—	—	—	—	—	—
The Dalles (WA).....	—	—	—	6,908,755	—	—	—	—	—	—	—
USCE-R B Russell	—	—	—	627,303	—	—	—	—	—	—	—
R B Russell (GA).....	—	—	—	627,303	—	—	—	—	—	—	—
USCE-St Louis Dist	—	—	—	167,380	—	—	—	—	—	—	—
Clarence Canyon (MO).....	—	—	—	167,380	—	—	—	—	—	—	—
USCE-St Marys Falls	—	—	—	160,998	—	—	—	—	—	—	—
Saint Marys Falls (MI).....	—	—	—	160,998	—	—	—	—	—	—	—
USCE-Tulsa District	—	—	—	2,665,160	—	—	—	—	—	—	—
Broken Bow (OK).....	—	—	—	187,701	—	—	—	—	—	—	—
Denison (TX).....	—	—	—	218,159	—	—	—	—	—	—	—
Eufaula (OK).....	—	—	—	368,745	—	—	—	—	—	—	—
Fort Gibson (OK).....	—	—	—	314,623	—	—	—	—	—	—	—
Keystone (OK).....	—	—	—	422,510	—	—	—	—	—	—	—
Robert S Kerr (OK).....	—	—	—	751,504	—	—	—	—	—	—	—
Tenkiller Ferry (OK).....	—	—	—	137,198	—	—	—	—	—	—	—
Webbers Falls (OK).....	—	—	—	264,720	—	—	—	—	—	—	—
USCE-Vickburg District	—	—	—	334,028	—	—	—	—	—	—	—
Blakely Mountain (AR).....	—	—	—	215,778	—	—	—	—	—	—	—
Degray (AR).....	—	—	—	85,794	—	—	—	—	—	—	—
Narrows (AR).....	—	—	—	32,456	—	—	—	—	—	—	—
USCE-Wilmington	—	—	—	645,233	—	—	—	—	—	—	—
John H Kerr (VA).....	—	—	—	616,051	—	—	—	—	—	—	—
Philpott (VA).....	—	—	—	29,182	—	—	—	—	—	—	—
Valley City (City of)	—	—	—	—	—	—	—	—	—	—	—
Valley City (ND).....	—	—	—	—	—	—	—	—	—	—	—
Vandalia (City of)	—	326	—	—	—	—	—	1	—	—	*
Vandalia (MO).....	—	326	—	—	—	—	—	1	—	—	*
Vermont Electric Coop	—	—	—	—	—	—	—	—	—	—	—
N Hartland (VT).....	—	—	—	—	—	—	—	—	—	—	—
Vermont Marble Co	—	1,995	—	47,940	—	—	—	6	—	—	8
Beldens (VT).....	—	—	—	17,575	—	—	—	—	—	—	—
Center Rutland (VT).....	—	—	—	1,534	—	—	—	—	—	—	—
Florence (VT).....	—	1,995	—	—	—	—	—	6	—	—	8
Proctor (VT).....	—	—	—	28,831	—	—	—	—	—	—	—
Vero Beach (City of)	—	7,068	180,486	—	—	—	—	15	1,954	—	48
Municipal Plant (FL).....	—	7,068	180,486	—	—	—	—	15	1,954	—	48
Villisca (City of)	—	—	—	—	—	—	—	—	—	—	—
Villisca (IA).....	—	—	—	—	—	—	—	—	—	—	—
Vineland (City of)	42,737	35,554	—	—	—	—	24	88	—	11	34
Down, Howard (NJ).....	42,737	25,981	—	—	—	—	24	61	—	11	25
West (NJ).....	—	9,573	—	—	—	—	—	27	—	—	9
Vinton (City of)	—	500	1,983	—	—	—	—	1	20	—	*
Vinton (IA).....	—	500	1,983	—	—	—	—	1	20	—	*
Viola (City of)	—	—	—	—	—	—	—	—	—	—	—
Viola (WI).....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Virginia (City of).....	37,651	—	24,042	—	—	—	21	—	281	*	—
Virginia (MN).....	37,651	—	24,042	—	—	—	21	—	281	*	—
Virginia Elec & Power Co.....	34,577,093	2,623,651	2,198,455	-82,182	27,234,399	—	13,600	4,268	20,384	1,331	1,885
Bath County (VA).....	—	—	—	-936,980	—	—	—	—	—	—	—
Bell Meade (VA).....	—	15,740	340,181	—	—	—	—	28	3,098	—	1
Bremo Bluff (VA).....	1,226,748	2,745	—	—	—	—	527	5	—	121	3
Chesapeake (VA).....	4,115,711	11,066	—	—	—	—	1,568	20	—	158	32
Chesterfield (VA).....	7,363,012	48,194	1,551,215	—	—	—	2,807	81	13,803	211	87
Clover (VA).....	6,051,186	6,313	—	—	—	—	2,314	11	—	199	6
Cushaw (VA).....	—	—	—	9,779	—	—	—	—	—	—	—
Darbytown (VA).....	—	3,590	129,400	—	—	—	—	8	1,594	—	68
Gaston (NC).....	—	—	—	445,613	—	—	—	—	—	—	—
Gravel Neck (VA).....	—	27,383	78,566	—	—	—	—	60	954	—	95
Kitty Hawk (NC).....	—	478	—	—	—	—	—	2	—	—	8
Low Moor (VA).....	—	4,481	—	—	—	—	—	13	—	—	9
Mt Storm (WV).....	12,025,626	23,574	—	—	—	—	4,823	40	—	432	12
North Anna (VA).....	—	—	—	3,374	14,303,160	—	—	—	—	—	—
North Branch (WV).....	—	—	—	—	—	—	—	—	—	—	—
Northern Neck (VA).....	—	3,468	—	—	—	—	—	10	—	—	11
Possum Point (VA).....	1,959,213	632,517	—	—	—	—	819	1,035	—	135	374
Roanoke Rapids (NC).....	—	—	—	396,032	—	—	—	—	—	—	—
Surry (VA).....	—	—	—	—	12,931,239	—	—	—	—	—	—
Yktn Term A (VA).....	—	—	—	—	—	—	—	—	—	—	870
Yorktown (VA).....	1,835,597	1,844,102	99,093	—	—	—	742	2,957	935	74	253
1st Energy (VA).....	—	—	—	—	—	—	—	—	—	—	56
Vt Yankee Nuclear Pr Corp.....	—	—	—	—	3,357,696	—	—	—	—	—	—
Vt. Yankee (VT).....	—	—	—	—	3,357,696	—	—	—	—	—	—
Wahoo (City of).....	—	120	1,691	—	—	—	—	*	17	—	*
Wahoo (NE).....	—	120	1,691	—	—	—	—	*	17	—	*
Wallingford (City of).....	—	754	—	—	—	—	—	3	—	—	*
Pierce (CT).....	—	754	—	—	—	—	—	3	—	—	*
Wamego (City of).....	—	300	6,303	—	—	—	—	1	63	—	1
Wamego (KS).....	—	300	6,303	—	—	—	—	1	63	—	1
Warren (City of).....	—	—	—	—	—	—	—	—	—	—	—
Warren (MN).....	—	—	—	—	—	—	—	—	—	—	—
Wash Pub Pwr Supply Systm.....	—	—	—	81,300	6,916,065	—	—	—	—	—	—
Packwood (WA).....	—	—	—	81,300	—	—	—	—	—	—	—
WNP-2 (WA).....	—	—	—	—	6,916,065	—	—	—	—	—	—
Washington (City of).....	—	200	216	—	—	—	—	*	2	—	*
Washington (KS).....	—	200	216	—	—	—	—	*	2	—	*
Washington Electric Coop.....	—	—	—	3,132	—	—	—	—	—	—	—
Wrightsville (VT).....	—	—	—	3,132	—	—	—	—	—	—	—
Washington Island El Coop.....	—	250	—	—	—	—	—	1	—	—	1
Washington Island (WI).....	—	250	—	—	—	—	—	1	—	—	1
Waterloo (City of).....	—	254	825	—	—	—	—	1	7	—	1
Waterloo (IL).....	—	254	825	—	—	—	—	1	7	—	1
Watertown (City of).....	—	—	—	15,255	—	—	—	—	—	—	—
Watertown (NY).....	—	—	—	15,255	—	—	—	—	—	—	—
Wauchula (City of).....	—	—	—	—	—	—	—	—	—	—	—
Wauchula (FL).....	—	—	—	—	—	—	—	—	—	—	—
Waverly (City of).....	—	671	685	1,928	—	—	—	1	7	—	*
East Hydro (IA).....	—	—	—	1,928	—	—	—	—	—	—	—
East Plant (IA).....	—	5	—	—	—	—	—	*	—	—	—

See footnotes at end of table.

Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks by Company and Plant, 1998 (Continued)

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Waverly (City of)											
North Plant (IA)	—	666	685	—	—	—	—	1	7	—	*
Skeets 1 (IA)	—	—	—	—	—	89	—	—	—	—	—
Wayne (City of)	—	4,015	—	—	—	—	—	7	—	—	2
Wayne (NE)	—	4,015	—	—	—	—	—	7	—	—	2
Weatherford (City of)	—	—	—	—	—	—	—	—	—	—	—
Weatherford (TX)	—	—	—	—	—	—	—	—	—	—	—
Webster City (City of)	—	—	—	—	—	—	—	—	—	—	—
Webster City (IA)	—	—	—	—	—	—	—	—	—	—	—
Wellington (City of)	—	95	29,273	—	—	—	—	*	413	—	1
Wellington (KS)	—	—	16,495	—	—	—	—	—	254	—	—
Wellington (KS)	—	95	12,778	—	—	—	—	*	159	—	1
Wells (City of)	—	125	348	—	—	—	—	*	4	—	*
Wells (MN)	—	125	348	—	—	—	—	*	4	—	*
West Bend (City of)	—	80	253	—	—	—	—	*	3	—	*
West Bend (IA)	—	80	253	—	—	—	—	*	3	—	*
West Liberty (City of)	—	26	20	—	—	—	—	*	*	—	*
West Liberty (IA)	—	26	20	—	—	—	—	*	*	—	*
West Penn Power Co	13,027,539	52,082	4,903	122,761	—	—	5,064	90	52	576	71
Armstrong (PA)	2,364,820	1,839	—	—	—	—	929	3	—	119	*
Hatfields Ferry (PA)	9,071,600	4,179	—	—	—	—	3,473	7	—	418	5
Lake Lynn (WV)	—	—	—	122,761	—	—	—	—	—	—	—
Mitchell (PA)	1,591,119	46,064	4,903	—	—	—	662	80	52	39	66
Springdale (PA)	—	—	—	—	—	—	—	—	—	—	—
West Point (City of)	—	30	200	—	—	—	—	*	2	—	—
West Point (NE)	—	30	200	—	—	—	—	*	2	—	—
West Texas Utilities Co	4,880,011	5,253	3,389,335	—	—	—	2,993	10	36,361	381	255
Abilene (TX)	—	—	15,211	—	—	—	—	—	221	—	—
Fort Phantom (TX)	—	—	1,223,318	—	—	—	—	—	12,804	—	103
Ft Stockton (TX)	—	—	69	—	—	—	—	—	3	—	—
Lake Pauline (TX)	—	—	39,891	—	—	—	—	—	600	—	18
Oak Creek (TX)	—	—	349,759	—	—	—	—	—	3,667	—	28
Oklaunion (TX)	4,880,011	4,905	—	—	—	—	2,993	9	—	381	4
Paint Creek (TX)	—	—	375,917	—	—	—	—	—	4,154	—	80
Presidio (TX)	—	—	—	—	—	—	—	—	—	—	1
Rio Pecos (TX)	—	—	538,757	—	—	—	—	—	6,132	—	1
San Angelo (TX)	—	24	846,413	—	—	—	—	*	8,780	—	19
Vernon (TX)	—	324	—	—	—	—	—	1	—	—	1
Westbrook (City of)	—	—	—	—	—	—	—	—	—	—	—
Westbrook (MN)	—	—	—	—	—	—	—	—	—	—	—
Western Farmers Elec Coop	2,799,326	1,488	2,184,337	—	—	—	1,674	3	20,893	261	97
Anadarko (OK)	—	99	1,513,775	—	—	—	—	*	13,772	—	95
Hugo (OK)	2,799,326	1,389	—	—	—	—	1,674	3	—	261	2
Mooreland (OK)	—	—	670,562	—	—	—	—	—	7,122	—	—
Western Mass Elec Co	—	92,208	137,445	27,129	—	—	—	188	1,663	—	40
Cabot (MA)	—	—	—	271,235	—	—	—	—	—	—	—
Cobble Mountain (MA)	—	—	—	27,685	—	—	—	—	—	—	—
Doreen (MA)	—	613	—	—	—	—	—	2	—	—	1
Dwight (MA)	—	—	—	4,272	—	—	—	—	—	—	—
Gardners Falls (MA)	—	—	—	12,633	—	—	—	—	—	—	—
Indian Orchard (MA)	—	—	—	8,872	—	—	—	—	—	—	—
Northfield Mountain (MA)	—	—	—	-343,791	—	—	—	—	—	—	—
Putts Bridge (MA)	—	—	—	9,374	—	—	—	—	—	—	—
Red Bridge (MA)	—	—	—	15,505	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Western Mass Elec Co											
Turners Falls (MA).....	—	—	—	21,344	—	—	—	—	—	—	—
West Springfield (MA).....	—	90,970	137,445	—	—	—	—	184	1,663	—	39
Woodland Road (MA).....	—	625	—	—	—	—	—	2	—	—	1
Whitesboro (City of)	—	—	—	—	—	—	—	—	—	—	—
Whitesboro (TX).....	—	—	—	—	—	—	—	—	—	—	—
Whittemore (City of)	—	—	—	—	—	—	—	—	—	—	—
Whittemore (IA).....	—	—	—	—	—	—	—	—	—	—	—
Wilber (City of)	—	—	—	—	—	—	—	—	—	—	—
Wilber (NE).....	—	—	—	—	—	—	—	—	—	—	—
Willmar (City of)	32,103	—	1,514	—	—	—	40	—	30	7	—
Willmar (MN).....	32,103	—	1,514	—	—	—	40	—	30	7	—
Wilton Junction (City of)	—	—	—	—	—	—	—	—	—	—	—
Wilton Junction (IA).....	—	—	—	—	—	—	—	—	—	—	—
Windom (City of)	—	—	—	—	—	—	—	—	—	—	—
Windom (MN).....	—	—	—	—	—	—	—	—	—	—	—
Winfield (City of)	—	—	49,056	—	—	—	—	—	656	—	—
East 12th St (KS).....	—	—	43,258	—	—	—	—	—	541	—	—
Winfield (KS).....	—	—	5,798	—	—	—	—	—	115	—	—
Winnetka (Village of)	—	673	3,533	—	—	—	—	1	62	—	2
Winnetka (IL).....	—	673	3,533	—	—	—	—	1	62	—	2
Winterset (City of)	—	—	—	—	—	—	—	—	—	—	—
Winterset (IA).....	—	—	—	—	—	—	—	—	—	—	—
Wisconsin Electric Pwr Co	19,061,053	49,102	575,643	307,678	5,691,795	—	10,226	123	7,506	3,105	89
Appleton (WI).....	—	—	—	14,263	—	—	—	—	—	—	—
Big Quinnesec 61 (MI).....	—	—	—	790	—	—	—	—	—	—	—
Big Quinnesec 92 (MI).....	—	—	—	83,816	—	—	—	—	—	—	—
Brule (MI).....	—	—	—	10,204	—	—	—	—	—	—	—
Chalk Hill (MI).....	—	—	—	26,741	—	—	—	—	—	—	—
Concord (WI).....	—	36	154,356	—	—	—	—	*	2,160	—	8
Germantown (WI).....	—	39,354	—	—	—	—	—	95	—	—	11
Hemlock Falls (MI).....	—	—	—	2,756	—	—	—	—	—	—	—
Kingsford (MI).....	—	—	—	23,382	—	—	—	—	—	—	—
Lower Paint (MI).....	—	—	—	607	—	—	—	—	—	—	—
Michigamme Falls (MI).....	—	—	—	27,920	—	—	—	—	—	—	—
Oconto Falls (WI).....	—	—	—	5,493	—	—	—	—	—	—	—
Oil Storage (WI).....	—	—	—	—	—	—	—	—	—	—	30
Paris (WI).....	—	3	291,866	—	—	—	—	*	4,051	—	15
Peavy Falls (MI).....	—	—	—	45,085	—	—	—	—	—	—	—
Pine (WI).....	—	—	—	9,345	—	—	—	—	—	—	—
Pleasant Prairie (WI).....	7,679,441	34	24,728	—	—	—	4,612	*	264	528	4
Point Beach (WI).....	—	1,099	—	—	5,691,795	—	—	7	—	—	5
Port Washington (WI).....	1,069,521	1,820	—	—	—	—	577	7	—	389	5
Presque Isle (MI).....	3,314,962	6,756	—	—	—	—	1,850	14	—	1,381	10
South Oak Creek (WI).....	5,859,292	—	100,903	—	—	—	2,545	—	976	426	3
Sturgeon (MI).....	—	—	—	2,438	—	—	—	—	—	—	—
Twin Falls (MI).....	—	—	—	26,848	—	—	—	—	—	—	—
Valley (WI).....	1,137,837	—	3,790	—	—	—	643	—	55	381	—
Way (MI).....	—	—	—	1,919	—	—	—	—	—	—	—
Weyauwega (WI).....	—	—	—	—	—	—	—	—	—	—	—
White Rapids (MI).....	—	—	—	26,071	—	—	—	—	—	—	—
Wisconsin Pub Serv Corp	5,544,017	981	211,860	212,603	3,705,379	—	3,478	2	2,799	301	39
Alexander (WI).....	—	—	—	17,027	—	—	—	—	—	—	—
Caldron Falls (WI).....	—	—	—	9,434	—	—	—	—	—	—	—
Eagle River (WI).....	—	540	—	—	—	—	—	1	—	—	*
Grand Rapids (MI).....	—	—	—	28,310	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Wisconsin Pub Serv Corp											
Grandfather Falls (WI).....	—	—	—	74,924	—	—	—	—	—	—	—
Hat Rapids (WI).....	—	—	—	4,415	—	—	—	—	—	—	—
High Falls (WI).....	—	—	—	12,788	—	—	—	—	—	—	—
Jersey (WI).....	—	—	—	2,546	—	—	—	—	—	—	—
Johnson Falls (WI).....	—	—	—	7,726	—	—	—	—	—	—	—
Kewaunee (WI).....	—	—	—	—	3,705,379	—	—	—	—	—	—
Merrill (WI).....	—	—	—	4,831	—	—	—	—	—	—	—
Oneida Casino (WI).....	—	390	—	—	—	—	—	1	—	—	*
Otter Rapids (WI).....	—	—	—	2,503	—	—	—	—	—	—	—
Peshtigo (WI).....	—	—	—	2,124	—	—	—	—	—	—	—
Potato Rapids (WI).....	—	—	—	3,599	—	—	—	—	—	—	—
Pulliam (WI).....	2,254,695	—	27,397	—	—	—	1,469	—	331	128	*
Sandstone Rapids (WI).....	—	—	—	8,350	—	—	—	—	—	—	—
Tomahawk (WI).....	—	—	—	10,481	—	—	—	—	—	—	—
Wausau (WI).....	—	—	—	23,545	—	—	—	—	—	—	—
West Marinette (WI).....	—	33	129,599	—	—	—	—	*	1,776	—	19
Weston (WI).....	3,289,322	18	54,864	—	—	—	2,008	*	692	172	20
Wisconsin Pwr & Lgt Co.....	13,818,327	15,552	123,966	190,854	—	—	8,348	28	1,797	1,583	26
Blackhawk (WI).....	—	—	21,252	916	—	—	—	—	333	—	—
Columbia (WI).....	7,301,646	9,299	—	—	—	—	4,524	17	—	849	2
Dewey, Nelson (WI).....	1,057,010	456	—	—	—	22,268	577	1	—	266	*
Edgewater (WI).....	4,889,601	4,445	—	—	—	114,987	2,898	8	—	394	*
Janesville (WI).....	—	—	—	856	—	—	—	—	—	—	—
Kilbourn (WI).....	—	—	—	56,587	—	—	—	—	—	—	—
NA 1 (WI).....	—	51	64,356	—	—	—	—	*	936	—	10
Portable (WI).....	—	—	—	—	—	—	—	—	—	—	—
Prairie Du Sac (WI).....	—	—	—	129,211	—	—	—	—	—	—	—
Rock River (WI).....	570,070	1,301	34,667	—	—	56,833	349	2	467	73	9
Shawano (WI).....	—	—	—	3,284	—	—	—	—	—	—	—
Sheepskin (WI).....	—	—	3,691	—	—	—	—	—	61	—	4
Wisconsin River Power Co.....	—	—	—	168,539	—	—	—	—	—	—	—
Castle Rock (WI).....	—	—	—	84,733	—	—	—	—	—	—	—
Petenwell (WI).....	—	—	—	83,806	—	—	—	—	—	—	—
Wisner (City of).....	—	—	—	—	—	—	—	—	—	—	—
Wisner (NE).....	—	—	—	—	—	—	—	—	—	—	—
Wolf Creek Nuclear Corp.....	—	—	—	—	10,410,718	—	—	—	—	—	—
Wolf Creek (KS).....	—	—	—	—	10,410,718	—	—	—	—	—	—
Wolverine Pwr supply Coop.....	-6,574	2,502	19,555	7,121	—	—	—	7	251	—	4
Advance (MI).....	-6,574	—	—	—	—	—	—	—	—	—	—
Beaver Island (MI).....	—	101	—	—	—	—	—	*	—	—	—
Johnson, George (MI).....	—	31	5,938	—	—	—	—	*	98	—	1
Kleber (MI).....	—	—	—	5,428	—	—	—	—	—	—	—
Scottville (MI).....	—	-3	—	—	—	—	—	*	—	—	*
Tower (MI).....	—	743	—	—	—	—	—	3	—	—	2
Tower Hydro (MI).....	—	—	—	1,693	—	—	—	—	—	—	—
Vandyke, Claude (MI).....	—	30	13,617	—	—	—	—	*	152	—	*
Vestaburg (MI).....	—	1,600	—	—	—	—	—	3	—	—	1
Winder, C A (MI).....	—	—	—	—	—	—	—	—	—	—	—
Woodsfield (City of).....	—	—	—	—	—	—	—	—	—	—	—
Anadarko (OH).....	—	—	—	—	—	—	—	—	—	—	—
Wrangell (City of).....	—	528	—	—	—	—	—	1	—	—	*
Wrangell (AK).....	—	528	—	—	—	—	—	1	—	—	*
Wyandotte (City of).....	206,222	—	13,001	—	—	—	124	—	181	26	—
Wyandotte (MI).....	206,222	—	13,001	—	—	—	124	—	181	26	—
Yakutat Power Inc.....	—	8,208	—	—	—	—	—	13	—	—	*
Yakutat (AK).....	—	8,208	—	—	—	—	—	13	—	—	*

See footnotes at end of table.

**Table 58. Annual U.S. Net Generation, Fuel Consumption, and Fuel Stocks
by Company and Plant, 1998 (Continued)**

Company (Holding Company) Plant (State)	Generation (thousand kilowatthours)						Consumption (thousand)			Stocks (thousand)	
	Coal	Petroleum	Gas	Hydro	Nuclear	Other ¹	Coal (short tons)	Petro- leum (bbls)	Gas (Mcf)	Coal (short tons)	Petro- leum (bbls)
Yazoo Pub Serv Comm (City).....	—	—	—	—	—	—	—	—	—	—	—
Yazoo (MS)	—	—	—	—	—	—	—	—	—	—	—
Yuba County Water Agency	—	—	—	2,471,693	—	—	—	—	—	—	—
Fish Power (CA).....	—	—	—	1,135	—	—	—	—	—	—	—
New Colgate (CA).....	—	—	—	2,100,726	—	—	—	—	—	—	—
New Narrows (CA)	—	—	—	369,832	—	—	—	—	—	—	—
Yuma (City of).....	—	—	—	—	—	—	—	—	—	—	—
Yuma (CO).....	—	—	—	—	—	—	—	—	—	—	—
Zeeland (City of).....	—	700	10,874	—	—	—	—	1	111	—	*
Zeeland (MI).....	—	700	10,874	—	—	—	—	1	111	—	*

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

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

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

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 1997 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."

Appendix A

General Information

Articles

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

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

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

Electric Power Monthly Data Guide

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

Bibliography

1. Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, *Inventory of Power Plants in the United States*, DOE/EIA-0095(93) (Washington DC, 1994), pp. 247-248.
2. Energy Information Administration, Office of Statistical Standards, *An Assessment of the Quality of Selected EIA Data Series. Electric Power Data*, DOE/EIA-0292(89) (Washington DC, 1989).
3. Kott, P.S., "Nonresponse in a Periodic Sample Survey," *Journal of Business and Economic Statistics*, April 1987, Volume 5, Number 2, pp. 287-293.
4. Knaub, J.R., Jr., "Ratio Estimation and Approximate Optimum Stratification in Electric Power Surveys," *Proceedings of the Section on Survey Research Methods*, American Statistical Association, 1989, pp. 848-853.
5. Knaub, J.R., Jr., "More Model Sampling and Analyses Applied to Electric Power Data," *Proceedings of the Section on Survey Research Methods*, American Statistical Association, 1992, pp. 876-881.
6. Royall, R.M. (1970), "On Finite Population Sampling Theory Under Certain Linear Regression Models," *Biometrika*, 57, 377-387.
7. Royall, R.M., and W.G. Cumberland (1978), "Variance Estimation in Finite Population Sampling," *Journal of the American Statistical Association*, 73, 351-358.
8. Royall, R.M., and W.G. Cumberland (1981), "An Empirical Study of the Ratio Estimator and Estimators of Its Variance," *Journal of the American Statistical Association*, 76, 66-68.
9. Knaub, J.R., Jr., "Alternative to the Iterated Reweighted Least Squares Method: Apparent Heteroscedasticity and Linear Regression Model Sampling," *Proceedings of the International Conference on Establishment Surveys*, American Statistical Association, 1993, pp. 520-525.
10. Rao, P.S.R.S. (1992), Unpublished notes on model covariance.
11. Hansen, M.H., Hurwitz, W.N. and Madow, W.G. (1953), "Sample Survey Methods and Theory," Volume II, *Theory*, pp. 56-58.
12. Knaub, J.R., Jr., "Relative Standard Error for a Ratio of Variables at an Aggregate Level Under Model Sampling," in *Proceedings of the Section on Survey Research Methods*, American Statistical Association, 1994, pp. 310-312.
13. Knaub, J.R., Jr., "Weighted Multiple Regression Estimation for Survey Model Sampling," *InterStat* (<http://interstat.stat.vt.edu>), May 1996.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text suggests that organizations should implement robust systems to track every aspect of their operations, from procurement to sales, to ensure that all data is captured and stored securely.

2. The second part of the document addresses the challenges of data management in a rapidly changing environment. It highlights the need for flexible and scalable solutions that can adapt to new requirements and technologies. The author argues that organizations must invest in training and development to ensure that their staff are equipped with the skills necessary to manage complex data sets effectively. Additionally, the text stresses the importance of regular audits and reviews to identify and address any potential issues or vulnerabilities in the data management process.

3. The third part of the document focuses on the role of technology in enhancing data management practices. It explores various tools and platforms that can be used to streamline data collection, storage, and analysis. The author notes that while technology offers significant advantages, it also presents new challenges, such as data security and privacy concerns. Therefore, organizations must carefully evaluate the risks and benefits of adopting new technologies and implement appropriate safeguards to protect their data from unauthorized access or misuse.

4. The fourth part of the document discusses the importance of collaboration and communication in data management. It argues that data is often siloed within different departments or teams, which can lead to inefficiencies and inconsistencies. To overcome this, the author recommends establishing clear lines of communication and fostering a culture of shared information. Regular meetings and reports should be used to keep all stakeholders informed of the current status of data management and to coordinate efforts to improve the overall system.

5. The fifth and final part of the document provides a summary of the key points discussed and offers some concluding thoughts. The author reiterates that effective data management is a continuous process that requires ongoing attention and effort. By following the principles outlined in the document, organizations can ensure that their data is accurate, secure, and readily available for use in decision-making and strategic planning.

Appendix B

Major Disturbances and Unusual Occurrences

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

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

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

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

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

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

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

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

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

Table B1. Major Disturbances and Unusual Occurrences, January 1999

Date	Utility/Power Pool (NERC Council)	Time	Area	Type of Disturbance	Loss (megawatts)	Number of Customers Affected	Restoration Time
1/02/99	Duke Power Co. (SERC)	4:00 p.m.	Charlotte, NC	Ice Storm	900	240,000	6:00 p.m. Jan 6
1/14/99	Potomac Electric Power Co. (MAAC)	7:29 p.m.	Washington, DC	Ice Storm	900	233,000	9:00 p.m. Jan 20
1/14/99	Baltimore Gas & Electric (MAAC)	8:00 p.m.	Suburban MD	Ice Storm	NA	350,000	9:00 p.m. Jan 18
1/16/99	Virginia Electric Power Co. (SERC)	1:46 a.m.	Northern VA	Ice Storm	NA	291,000	5:00 p.m. Jan 17
1/17/99	Tennessee Valley Authority (SERC)	7:00 p.m.	Western TN	Severe Storms	50	50,000	4:00 p.m. Jan 20
1/17/99	Potomac Electric Power Co. (MAAC)	4:12 p.m.	Norbeck Substation	Equipment Failure	90	70,000	5:46 a.m. Jan 18
1/29/99	Southwestern Public Service Co. (ERCOT)	NA	Arillo, TX	Ice Storm	NA	50,000	Feb. 2

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

Appendix C

Technical Notes

Data Sources

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

Form EIA-759

The Form EIA-759 is a cutoff model sample of approximately 360 electric utilities drawn from the frame of all operators of electric utility plants (approximately 700 electric utilities) that generate electric power for public use. Data will be collected on an annual basis from the remaining operators of electric utility plants. The new monthly data collection is from all utilities with at least one plant with a nameplate capacity of 50 megawatts or more. (Note: includes all nuclear units). However, the few utilities that generate electricity using renewable fuel sources other than hydroelectric are all included in the sample. The Form EIA-759 is used to collect monthly data on net generation; consumption of coal, petroleum, and natural gas; and end-of-the-month stocks of coal and petroleum for each plant by fuel-type combination. Summary data from the Form EIA-759 are also contained in the *Electric Power Annual (EPA)*, *Monthly Energy Review (MER)*, and the *Annual Energy Review (AER)*. These reports present aggregate data estimates for electric utilities at the U.S., Census division, and North American Electric Reliability Council Region (NERC) levels.

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

publication responsibilities for the electric power industry and implemented the FPC Form 4. The Federal Power Act, Sections 311 and 312, and FPC Order 141 define the legislative authority to collect power production data. The Form EIA-759 replaced the FPC Form 4 in January 1982. In January 1996, the Form EIA-759 was changed to collect data from a cutoff model sample of plants with a nameplate capacity of 25 megawatts or more. In January 1999, the Form EIA-759 was changed to collect data for a cutoff sample of plants with a nameplate capacity of 50 megawatts or more.

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

FERC Form 423

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

Instrument and Design History. On July 7, 1972, the FPC issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating

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

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

Form EIA-826

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

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

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

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

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

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

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

Form EIA-900

The Form EIA-900, "Monthly Nonutility Power Plant Report," is a cutoff model sample drawn from the frame for the Form EIA-867, "Annual Nonutility Power Producer Report." Members of the Form EIA-867 frame with nameplate capacity greater than or equal to 50 megawatts constitute the sample for the Form EIA-900. The Form EIA-900 currently is used to collect monthly data on net generation; consumption of coal, petroleum, and natural gas; and end-of-the month stocks of coal and petroleum.

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

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

Form EIA-861

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

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

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

Form EIA-860

The Form EIA-860A is a mandatory census of electric utilities in the United States that operate power plants or plan to operate a power plant within 10 years of the reporting year. The survey is used to collect data on electric utilities' existing power plants and their 10-year plans for constructing new plants, generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the generating unit level. These data are then aggregated to provide totals by energy source (coal, petroleum, gas,

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

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

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

Form EIA-860B

The Form EIA-860B is a mandatory survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. In 1992, the reporting threshold of the Form EIA-860B was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts. Planned generators are defined as a proposal by a company to install electric generating equipment at an existing or planned facility. The proposal is based on the owner having obtained (1) all environmental and regulatory approvals, (2) a contract for the electric energy, or (3) financial closure on the facility. The Form consists of

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

Submission of the Form EIA-860B is required from all facilities that have a combined facility nameplate capacity of 1 megawatt or more. Schedule V, "Facility Environmental Information" is only required of those facilities of 25 megawatts or more.

The form is used to collect data on the installed capacity, energy consumption, generation, and electric energy sales to electric utilities and other nonutilities by facility. Additionally, the form is used to collect data on the quality of fuels burned and the types of environmental equipment used by the respondent. These data are aggregated to provide geographic totals for selected States and at the Census division and national levels. Since the Form EIA-860B data are considered confidential, suppression of some data is necessary to protect the confidentiality of the individual respondent data. See "Confidentiality of the Data" in this section for further information.

Instrument and Design History. The Form EIA-860B was implemented in December 1989 to collect data as of year-end 1989. The Federal Energy Administration Act of 1984 (Public Law 93-275) defines the legislative authority to collect these data.

Data Processing. The Form EIA-860B is mailed to the respondents in January to collect data as of the end of the preceding calendar year. Static data for each respondent are preprinted from the previous year, and the respondents are instructed to verify all preprinted information and to supply the missing data. The completed forms are to be returned to the EIA by April 30. The response rate for all facilities for which addresses were confirmed was 100 percent. The data are manually edited before being keyed for automatic data processing. Computer programs containing additional edit checks are run. Respondents are telephoned to obtain corrections or clarifications of reported data and to obtain missing data as a result of the manual and automated editing.

Formulas/Methodologies

The following formula is used to calculate percent differences.

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

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

Form EIA-826

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form EIA-900

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

Form EIA-759

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

A cutoff model sampling and estimation are employed, using the same multiple regression model. Once again,

as described under the corresponding subsection on the Form EIA-900, details of the estimation of totals and variances of totals are published on the Internet in a paper entitled "Weighted Multiple Regression Estimation for Survey Model Sampling (Knaub, 13)."

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

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

FERC Form 423

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

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

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

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

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

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

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

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

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

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

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

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

Form EIA-861

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

Average revenue per kilowatthour is defined as the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of

electricity. The average revenue per kilowatthour is calculated for all consumers and for each sector (residential, commercial, industrial, and other sales).

Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric utility for providing electrical service. The average revenue per kilowatthour reported in this publication by sector represents a weighted average of consumer revenue and sales within that sector and across sectors for all consumers.

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

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

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

Form EIA-860A

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

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

Form EIA-860B

Gross electricity generation data from the Form EIA-860B, reported by generator, are aggregated to provide totals by energy source and geographic area. Nonutility power producers report gross electricity generated on the Form EIA-860B, unlike electric utilities that report net generation on various EIA and FERC forms. Nonutilities generally do not measure and record electrical consumption used solely for the production of electricity. Nonutility generators and associated auxiliary equipment are often an integral part of a manufacturing or other industrial process and individual watthour meters are not generally installed on auxiliary equipment.

Estimated values for net generation from nonutility power producers were developed by EIA using gross generation, prime mover, fuels, and type of air pollution control data reported on the Form EIA-860B. The difference between gross and net generation is the electricity consumed by auxiliary equipment and environmental control devices such as pumps, fans, coal pulverizers, particulate collectors, and flue gas desulfurization (FGD) units. The difference between gross and net generation is sometimes called parasitic load. In smaller power plants rotating auxiliaries are almost always electric motors. In large power plants that produce steam, rotating auxiliaries can be powered by either steam turbines or electric motors and sometimes both because of cold startup requirements.

This methodology for estimating net generation from gross generation is based on determining typical energy consumption for auxiliary electrical equipment associated with electrical generators. For instance, wind turbines have none of the auxiliaries common to a coal-burning power plant such as a coal pulverizers, fans, and emission controls. On the other hand, windfarms do consume electricity since automatic, computer-based control systems are used to control blade pitch and speed thereby affecting generator electricity output.

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

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

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

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

Average Heat Content

Heat content values (Table C1) collected on the FERC Form 423 were used to convert the consumption data from the Form EIA-759 into Btu. Respondents to FERC Form 423 represent a subset of all generating plants (steam plants with a capacity of 50 megawatts or larger), while Form EIA-759 respondents generally represent generating plants with a combined capacity of 25 or more megawatts. The results, therefore, may not be completely representative.

Quality of Data

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

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

Conceptual problems affecting the quality of data are discussed in the report, *An Assessment of the Quality of Selected EIA Data Series: Electric Power Data*. This report is published by the Energy Information Administration (Office of Statistical Standards). See item 2 in Appendix A.

Data Precision

Monthly sample survey data have both sampling and nonsampling errors. Sampling errors may be expected since all data are not collected and, therefore, must be mathematically estimated. (Note that the annual series for a monthly sample is not subject to sampling error because it is a census). Nonsampling errors are the result of incorrect allocation of data (for example, transcriptions or misclassifications) and can be difficult

to control and estimate. A study of coefficients of variance and data revisions was conducted so that the appropriate levels of precision, based on the accuracy and completeness of the data from which the estimates are derived, is provided in this report for average revenue per kilowatthour of electricity sold. It was judged that three significant digits are justified for average revenue per kilowatthour of electricity sold at the U.S. level except for monthly data prior to 1990 where two significant digits are more appropriate.

Data Imputation

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

Data Editing System

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

Confidentiality of the Data

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

Rounding Rules for Data

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

are then truncated at the (r+d+1)th digit. The symbol for a rounded number truncated to zero is (*).

Data Correction Procedure

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

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

discussion, changes or revisions are referred to as "errors."

In accordance with policy statement number 3, the mean value (unweighted average) for the absolute values of the 12 monthly revisions of each item are provided at the U.S. level for the past 4 years (Table C2). For example, the mean of the 12 monthly absolute errors (absolute differences between preliminary and final monthly data) for coal-fired generation in 1995 was 49. That is, on average, the absolute value of the change made each month to coal-fired generation was 49 million kilowatthours.

The U.S. total net summer capability, updated monthly in the EPM (Table 1), is based solely on new electric generating units and retirements which come to the attention of the EIA during the year through telephone calls with electric utilities and on the Form EIA-759, "Monthly Power Plant Report," and may not include all activity for the month. Data on net summer capability, including new electric generating units, are collected annually on the Form EIA-860A, "Annual Electric Generator Report - Utility," and Form 860B "Annual Electric Generator Report - Nonutility."

Use of the Glossary

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

Table C1. Average Heat Content of Fossil-Fuel Receipts, December 1998

Census Division and State	Coal ¹ (Btu per ton)	Petroleum ¹ (Btu per barrel)	Gas ¹ (Btu per thousand cubic feet)
New England.....	26,123,424	6,392,103	1,024,926
Connecticut.....	25,922,806	6,412,490	1,025,657
Maine.....	—	6,351,993	—
Massachusetts.....	25,886,644	6,381,558	1,024,876
New Hampshire.....	26,316,198	6,414,190	—
Rhode Island.....	—	—	—
Vermont.....	—	5,717,460	1,012,000
Middle Atlantic.....	25,034,744	6,266,962	1,029,679
New Jersey.....	25,856,708	6,206,965	1,040,645
New York.....	26,007,110	6,310,002	1,029,060
Pennsylvania.....	24,754,990	6,079,587	1,035,773
East North Central.....	21,229,302	6,026,025	750,927
Illinois.....	19,386,776	6,247,543	1,022,367
Indiana.....	21,236,832	5,780,777	1,030,943
Michigan.....	21,327,340	6,215,612	^a 543,778
Ohio.....	23,790,688	5,778,545	1,026,130
Wisconsin.....	18,327,853	5,872,491	1,014,340
West North Central.....	16,624,004	5,838,195	1,019,246
Iowa.....	17,036,130	5,764,028	1,006,285
Kansas.....	17,447,110	5,883,433	1,023,020
Minnesota.....	17,870,408	5,754,000	1,023,132
Missouri.....	17,706,628	5,808,894	1,008,988
Nebraska.....	17,138,922	5,801,880	991,143
North Dakota.....	13,143,288	5,801,582	—
South Dakota.....	17,526,000	—	—
South Atlantic.....	24,495,665	6,329,899	1,053,045
Delaware.....	26,179,770	6,299,822	942,413
District of Columbia.....	—	—	—
Florida.....	24,114,844	6,352,475	1,060,109
Georgia.....	23,316,940	5,816,868	1,024,000
Maryland.....	25,768,142	6,314,362	1,041,581
North Carolina.....	24,882,656	5,808,100	1,050,000
South Carolina.....	25,565,412	5,813,461	1,024,000
Virginia.....	25,294,179	6,277,788	1,047,088
West Virginia.....	24,646,027	5,853,786	1,000,000
East South Central.....	23,235,311	6,574,000	1,036,421
Alabama.....	23,100,386	5,813,777	1,040,482
Kentucky.....	23,197,126	5,847,613	1,025,000
Mississippi.....	21,779,014	6,641,900	1,036,603
Tennessee.....	23,700,086	5,875,800	—
West South Central.....	15,545,379	6,413,842	1,030,622
Arkansas.....	17,384,932	5,925,675	1,017,000
Louisiana.....	16,068,713	6,548,022	1,050,227
Oklahoma.....	17,355,196	5,775,000	1,038,312
Texas.....	14,843,778	5,796,000	1,024,201
Mountain.....	19,358,942	5,815,852	1,025,711
Arizona.....	20,293,496	5,945,870	1,019,110
Colorado.....	19,564,612	—	988,623
Idaho.....	—	—	—
Montana.....	16,793,323	5,922,000	1,044,488
Nevada.....	22,365,626	5,842,620	1,043,796
New Mexico.....	18,098,462	5,712,000	1,012,538
Utah.....	22,729,360	5,831,443	1,047,000
Wyoming.....	17,650,086	5,823,127	1,044,000
Pacific Contiguous.....	16,586,794	6,047,380	1,021,209
California.....	—	6,083,994	1,023,196
Oregon.....	16,860,726	5,880,000	1,011,000
Washington.....	16,477,786	5,880,000	—
Pacific Noncontiguous.....	—	6,274,098	1,000,000
Alaska.....	—	—	1,000,000
Hawaii.....	—	6,274,098	—
U.S. Average.....	20,398,406	6,325,423	1,023,663

¹ Data represents weighted values.^a Consists mostly of blast furnace gas which has a heat content of 70.0 Btu per thousand cubic feet.

Note: Data for 1998 are preliminary.

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

**Table C2. Comparison of Preliminary Versus Final Published Data at the U.S.
Level, 1993 Through 1997**

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

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

² Stocks are end of month values.

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

⁴ Data represents weighted values.

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

NA = Not available.

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

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

Table C3. Unit-of-Measure Equivalents for Electricity

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

Source: Energy Information Administration.

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

Item	1996			1997		
	Sample	Census	Difference (Percent)	Sample	Census	Difference (Percent)
Nonutility						
Sales for Resale (million kilowatthours)	219,549	224,646	*	222,367	NA	NA
Utility						
Generation (million kilowatthours)						
Coal	1,735,943	1,737,453	0.1	1,788,733	1,787,806	-0.1
Petroleum	66,261	65,695	-9	75,570	74,372	-1.6
Gas	263,262	262,730	-2	283,603	283,625	*
Other ¹	1,012,475	1,011,564	-1	977,618	976,720	-1
Total	3,077,940	3,077,442	*	3,125,524	3,122,523	-10
Consumption						
Coal (1,000 short tons)	873,681	874,681	.1	898,460	900,361	.2
Petroleum (1,000 barrels)	114,788	113,274	-1.3	128,254	125,146	-2.5
Gas (1,000 Mcf)	2,736,552	2,732,107	-2	2,962,375	2,968,453	.2
Stocks²						
Coal (1,000 short tons)	114,623	114,623	*	98,261	98,826	.6
Petroleum (1,000 barrels)	47,507	47,690	.4	48,570	48,792	.5
Retail Sales (million kilowatthours)						
Residential	1,078,355	1,082,491	.4	1,071,563	NA	NA
Commercial	888,066	887,425	-.1	913,265	NA	NA
Industrial	1,016,807	1,030,356	1.3	1,035,700	NA	NA
Other ³	100,741	97,539	-3.3	98,544	NA	NA
All Sectors	3,083,970	3,097,810	.40	3,119,072	NA	NA
Revenue (million dollars)						
Residential	90,510	90,501	*	90,653	NA	NA
Commercial	67,822	67,827	*	69,767	NA	NA
Industrial	46,833	47,385	1.2	47,159	NA	NA
Other ³	6,735	6,741	.1	6,737	NA	NA
All Sectors	211,900	212,455	.30	214,317	NA	NA
Average Revenue per Kilowatthour (cents)⁴						
Residential	8.39	8.36	-.4	8.46	NA	NA
Commercial	7.64	7.64	.1	7.64	NA	NA
Industrial	4.61	4.60	-.2	4.55	NA	NA
Other ³	6.69	6.91	3.3	6.84	NA	NA
All Sectors	6.87	6.86	-.20	6.87	NA	NA

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

² Stocks are end-of-month values.

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

⁴ Data represent weighted values.

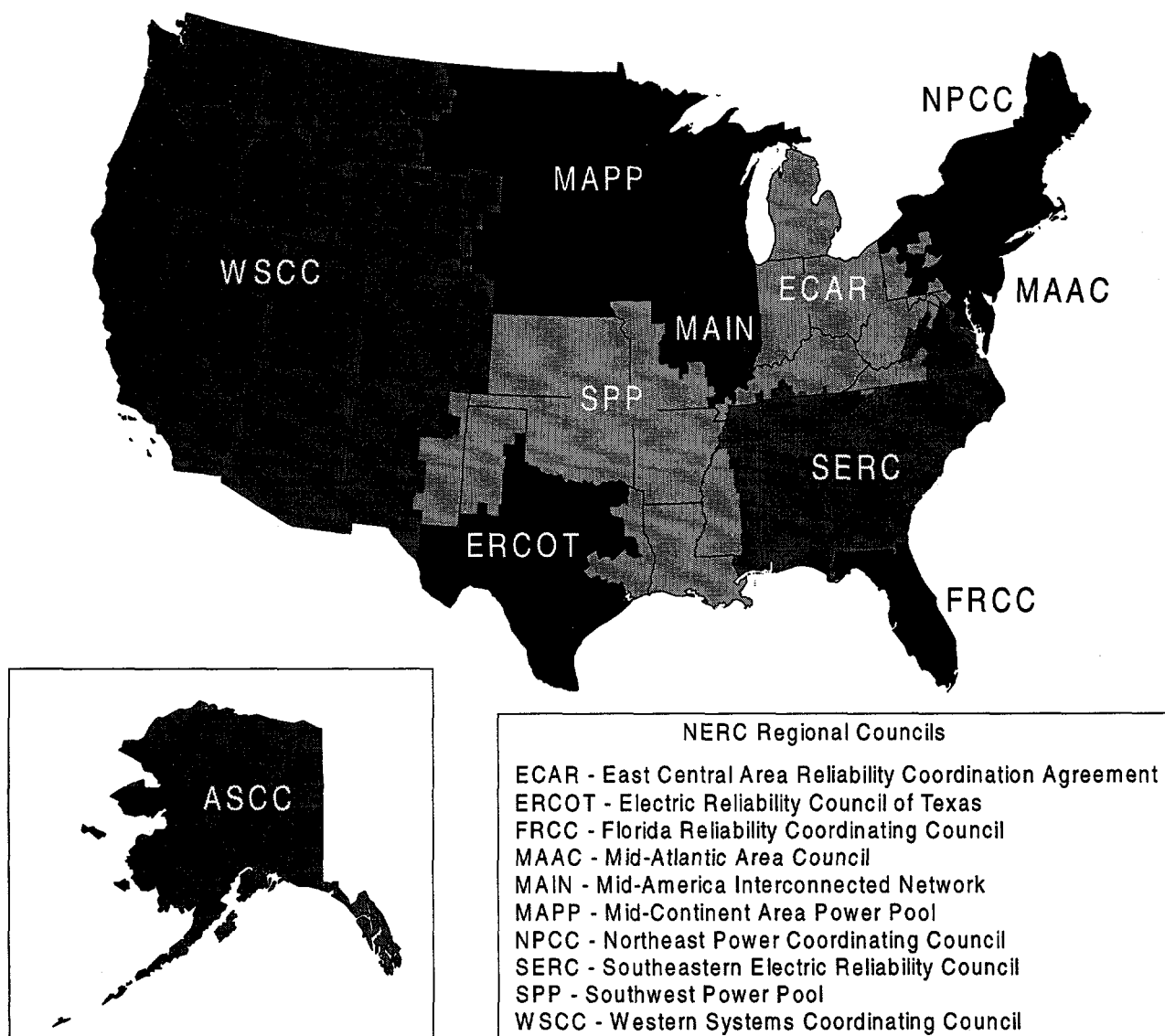
* = For detailed data, the absolute value is less than 0.5; for percentage calculations, the absolute value is less than 0.05 percent.

NA = Not available.

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

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

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



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

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

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

State	Coal	Petroleum	Gas	Hydroelectric	Nuclear	Other ¹
Alabama.....	0.0	0.0	0.0	0.0	0.0	—
Alaska.....	.0	3.7	.2	15.2	—	—
Arizona.....	.0	.0	.0	.0	.0	—
Arkansas.....	.0	.0	2.8	.8	.0	—
California.....	—	5.2	2.7	.1	.0	0.0
Colorado.....	.0	13.3	.7	.3	—	.0
Connecticut.....	.0	.1	.0	1.1	.0	.0
Delaware.....	.0	.2	.0	—	—	—
District of Columbia.....	—	.0	—	—	—	—
Florida.....	.0	.0	.0	.0	.0	—
Georgia.....	.0	.0	.9	.4	.0	—
Hawaii.....	—	1.6	—	.0	—	—
Idaho.....	—	.0	—	.3	—	—
Illinois.....	.0	.7	.3	.0	.0	.0
Indiana.....	.0	.1	.2	.0	—	—
Iowa.....	.0	4.0	4.8	.2	.0	.0
Kansas.....	.0	2.4	8.4	—	.0	—
Kentucky.....	.8	4.1	4.0	1.1	—	—
Louisiana.....	.0	.0	.1	—	.0	—
Maine.....	—	.0	—	1.2	.0	.0
Maryland.....	.0	.8	.3	.0	.0	—
Massachusetts.....	.0	51.7	4.1	7.9	.0	—
Michigan.....	.2	1.1	1.7	5.6	.0	—
Minnesota.....	.3	.1	4.5	3.0	.0	.0
Mississippi.....	.9	.6	.5	—	.0	—
Missouri.....	.6	4.0	21.3	.1	.0	.0
Montana.....	.0	.0	.0	.0	—	—
Nebraska.....	.0	2.6	4.8	.0	.0	.0
Nevada.....	.0	.0	.0	.0	—	—
New Hampshire.....	.0	.0	.0	.0	.0	—
New Jersey.....	.0	.0	.0	.0	.0	—
New Mexico.....	.6	.0	.0	.0	—	—
New York.....	.0	.1	.2	.0	.0	.0
North Carolina.....	.0	.0	.0	.0	.0	—
North Dakota.....	.0	.0	.0	.0	—	—
Ohio.....	.0	.2	1.3	.0	.0	—
Oklahoma.....	.0	1.7	.1	.0	—	—
Oregon.....	.0	.0	.0	.0	—	.0
Pennsylvania.....	.0	.0	.0	.9	.0	—
Rhode Island.....	—	.0	—	—	—	—
South Carolina.....	.0	.0	.0	.3	.0	—
South Dakota.....	.0	.0	.0	.0	—	—
Tennessee.....	.0	.0	.0	.0	.0	—
Texas.....	.0	.1	.1	1.9	.0	.0
Utah.....	.0	3.0	38.1	2.3	—	.0
Vermont.....	—	7.0	.0	3.7	.0	.0
Virginia.....	.0	.0	.0	2.3	.0	.0
Washington.....	.0	.0	.0	.0	.0	.0
West Virginia.....	.0	.0	.0	.0	—	—
Wisconsin.....	.0	.4	1.0	5.1	.0	.0
Wyoming.....	.0	.0	.0	.2	—	—

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

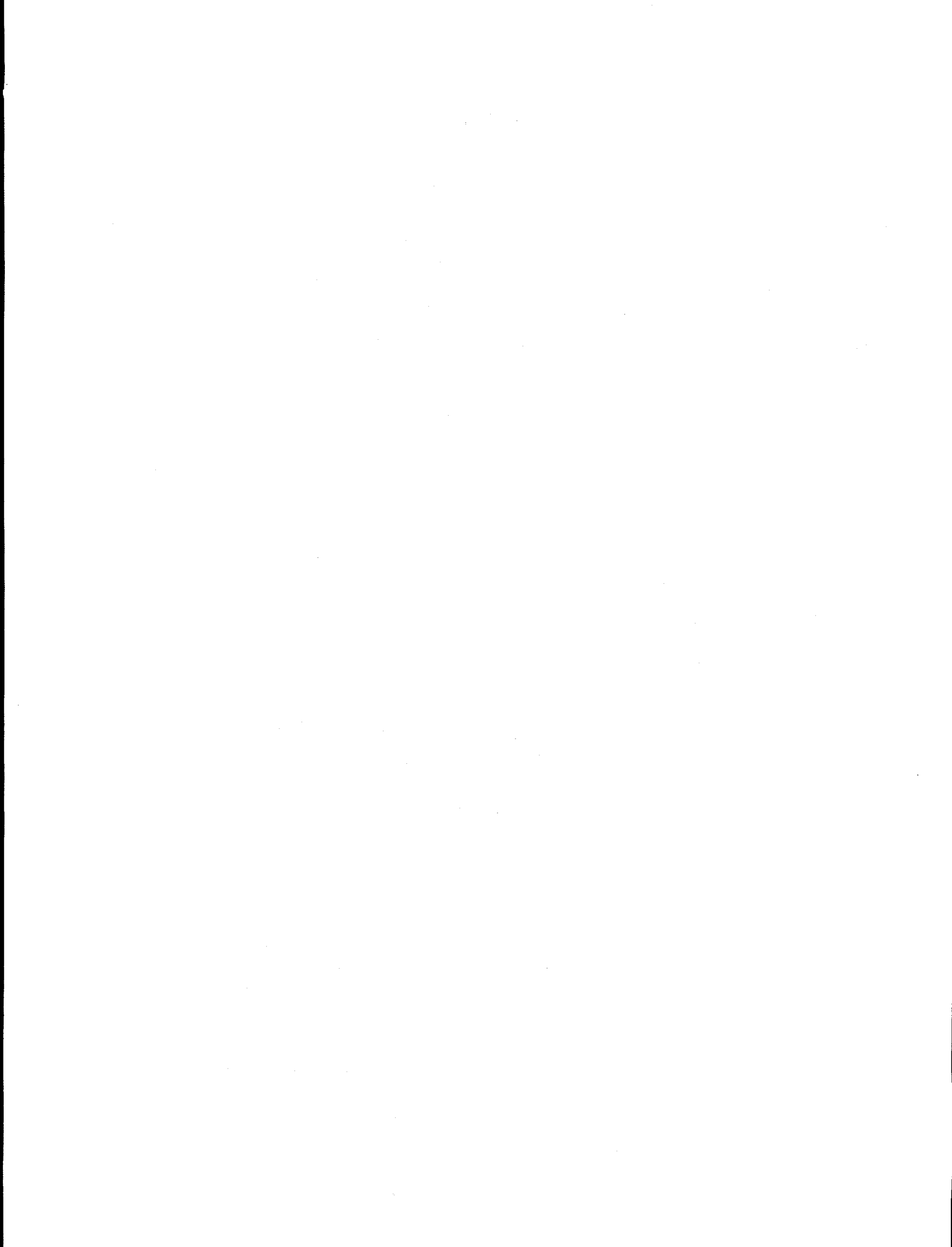
Notes: *For an explanation of coefficients of variation, see the technical notes. *Estimates for 1999 are preliminary.

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

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

State	Consumption			Stocks	
	Coal	Petroleum	Gas	Coal	Petroleum
Alabama.....	0.0	0.0	0.0	0.0	0.0
Alaska.....	.0	3.3	.4	.0	18.1
Arizona.....	.0	.0	.0	.0	.0
Arkansas.....	.0	.0	5.4	.0	.0
California.....	—	4.3	2.1	—	1.5
Colorado.....	.0	1.6	.5	.1	.8
Connecticut.....	.0	.1	.0	.0	.1
Delaware.....	.0	.1	.0	.0	.0
District of Columbia.....	—	.0	—	—	.0
Florida.....	.0	.0	.0	.0	.0
Georgia.....	.0	.0	.8	.0	.0
Hawaii.....	—	1.8	—	—	.9
Idaho.....	—	.0	—	—	.0
Illinois.....	.0	1.3	.2	.0	.3
Indiana.....	.0	.1	.3	.0	.2
Iowa.....	.0	3.0	6.0	.1	4.0
Kansas.....	.0	3.4	8.1	.0	4.9
Kentucky.....	.8	3.3	4.1	1.9	1.3
Louisiana.....	.0	.0	.1	.0	.0
Maine.....	—	.1	—	—	.0
Maryland.....	.0	.1	.3	.0	.2
Massachusetts.....	.0	72.8	4.5	.0	410.3
Michigan.....	.2	1.2	3.3	.4	.1
Minnesota.....	.4	1.2	5.9	.5	1.2
Mississippi.....	.1	.6	.3	.4	.3
Missouri.....	.6	4.2	17.9	.8	2.1
Montana.....	.0	.0	.0	.0	.0
Nebraska.....	.0	2.7	1.8	.0	4.2
Nevada.....	.0	.0	.0	.0	.0
New Hampshire.....	.0	.0	.0	.0	.0
New Jersey.....	.0	.0	.0	.0	.0
New Mexico.....	.5	.0	.0	.2	.0
New York.....	.0	.1	.2	.0	.0
North Carolina.....	.0	.0	.0	.0	.0
North Dakota.....	.0	.0	.0	.0	.0
Ohio.....	.0	.3	1.5	.0	.2
Oklahoma.....	.0	1.8	.1	.0	.3
Oregon.....	.0	.0	.0	.0	.0
Pennsylvania.....	.0	.1	.0	.0	.0
Rhode Island.....	—	.0	—	—	.0
South Carolina.....	.0	.0	.0	.0	.0
South Dakota.....	.0	.0	.0	.0	.0
Tennessee.....	.0	.0	.0	.0	.0
Texas.....	.0	.1	.1	.0	.1
Utah.....	.0	5.8	29.8	.0	1.1
Vermont.....	—	7.0	.0	—	4.0
Virginia.....	.0	.0	.1	.0	.0
Washington.....	.0	.0	.0	.0	.0
West Virginia.....	.0	.0	.0	.0	.0
Wisconsin.....	.0	.4	1.1	.1	.4
Wyoming.....	.0	.0	.0	.0	.0

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



Glossary

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

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

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

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

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

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

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

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

Bcf: The abbreviation for 1 billion cubic feet.

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

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

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

LV = Low-volatile bituminous coal

MV = Medium-volatile bituminous coal

HVA = High-volatile A bituminous coal

HVB = High-volatile B bituminous coal

HVC = High-volatile C bituminous coal

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Gigawatt (GW): One billion watts.

Gigawatthour (GWh): One billion watthours.

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

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

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

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

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

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

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

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

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

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

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

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

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

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

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts.

Megawatthour (MWh): One million watthours.

MMcf: One million cubic feet.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Petroleum Coke: See Coke (Petroleum).

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

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

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

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

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

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

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

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

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

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

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

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

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

Receipts: Purchases of fuel.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.