

Electric Trade in the United States 1994

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Executive Summary

Electricity purchases by investor-owned utilities have increased by over 70 percent between 1988 and 1994. This is illustrated in a regional comparison of purchases and sales for resale by investor-owned electric

utilities (Table ES-1) for 1988, 1990, 1992, and 1994. Transactions by investor-owned electric utilities represent almost 55 percent of the transactions in the bulk power market.

Table ES1. Comparison of Electric Trade Data by North American Electric Reliability Council Region for Years 1988, 1990, 1992, and 1994

NERC Region	Geographic Area	Billion Kilowatthours				Percent Change 1988-1994
		1994	1992	1990	1988	
Purchases by Investor-Owned Utilities						
ECAR.....	Indiana; Ohio; West Virginia; and portions of Kentucky, Maryland, Michigan, Pennsylvania, and Virginia	98.3	95.7	79.2	34.7	183.3
ERCOT.....	Portions of Texas	27.2	28.0	27.0	26.9	1.1
MAAC.....	Delaware; District of Columbia; New Jersey; and portions of Maryland, Pennsylvania, and Virginia	71.3	70.2	43.8	32.5	119.4
MAIN.....	Illinois; and portions of Iowa, Michigan, Missouri, and Wisconsin	35.8	28.6	21.8	8.1	342.0
MAPP(US).....	Minnesota; North Dakota; and portions of Iowa, Montana, Nebraska, South Dakota, Wisconsin, and Wyoming	31.0	26.4	20.0	15.6	98.7
NPCC(US).....	Connecticut; Maine; Massachusetts; New Hampshire; New York; Rhode Island; and Vermont	169.1	141.9	104.1	102.3	65.3
SERC.....	Alabama; Florida; Georgia; North Carolina; South Carolina; Tennessee; and portions of Kentucky, Mississippi, and Virginia	85.2	86.8	88.5	52.6	61.2
SPP.....	Arkansas; Louisiana; Kansas; Oklahoma; and portions of Mississippi, Missouri, New Mexico, and Texas	52.1	49.1	37.7	40.7	28.0
WSCC(US).....	Arizona; California; Colorado; Idaho; Nevada; Oregon; Utah; Washington; and portions of Montana, Nebraska, New Mexico, South Dakota, and Wyoming	142.4	132.0	141.3	102.6	38.8
Contiguous U.S. Total.....		712.5	658.6	563.3	415.8	71.4
Sales for Resale by Investor-Owned Utilities						
ECAR.....	Same as Above	114.6	132.0	117.6	99.5	15.2
ERCOT.....		8.8	8.0	9.7	10.7	-17.8
MAAC.....		46.1	45.9	19.1	14.7	213.6
MAIN.....		41.8	26.5	29.2	12.2	242.6
MAPP.....		21.7	18.6	18.0	9.4	130.9
NPCC.....		102.4	95.5	70.5	66.8	53.3
SERC.....		86.5	89.3	93.5	76.3	13.4
SPP.....		50.0	45.3	35.5	36.2	38.1
WSCC.....		57.9	53.3	51.0	40.2	44.0
Contiguous U.S. Total.....		529.7	514.4	444.2	366.0	44.7

Notes: •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

The primary sources of utility data for this publication are shown in Table ES2.

Table ES2. Electricity Data, by Source

Form	Data Utilized
Form EIA-412, "Annual Report of Public Electric Utilities "	Detailed transactions for sales for resale and purchases.
Form EIA-861, "Annual Electric Utility Report "	Aggregated transactions for sales for resale, purchases, exchanges, and wheeling.
Form FE-781R, "Annual Report of International Electrical Export/Import Data "	Detailed transactions for exports from and imports to the United States
FERC Form 1, "Annual Report of Major Public Utilities, Licensees and Others "	Detailed transactions for sales for resale, purchases, exchanges, and wheeling
FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees "	Detailed transactions for sales for resale, purchases, exchanges, and wheeling.
RUS Form 7, "Financial and Statistical Reports Reports--Electric Distribution Borrowers "	Detailed transactions for purchases.
RUS Form 12a through 12i, "Electric Power Supply Borrowers, " and RUS Form 12c through 12g, "Electric Distribution Borrowers with Generating	

1. Introduction

Background

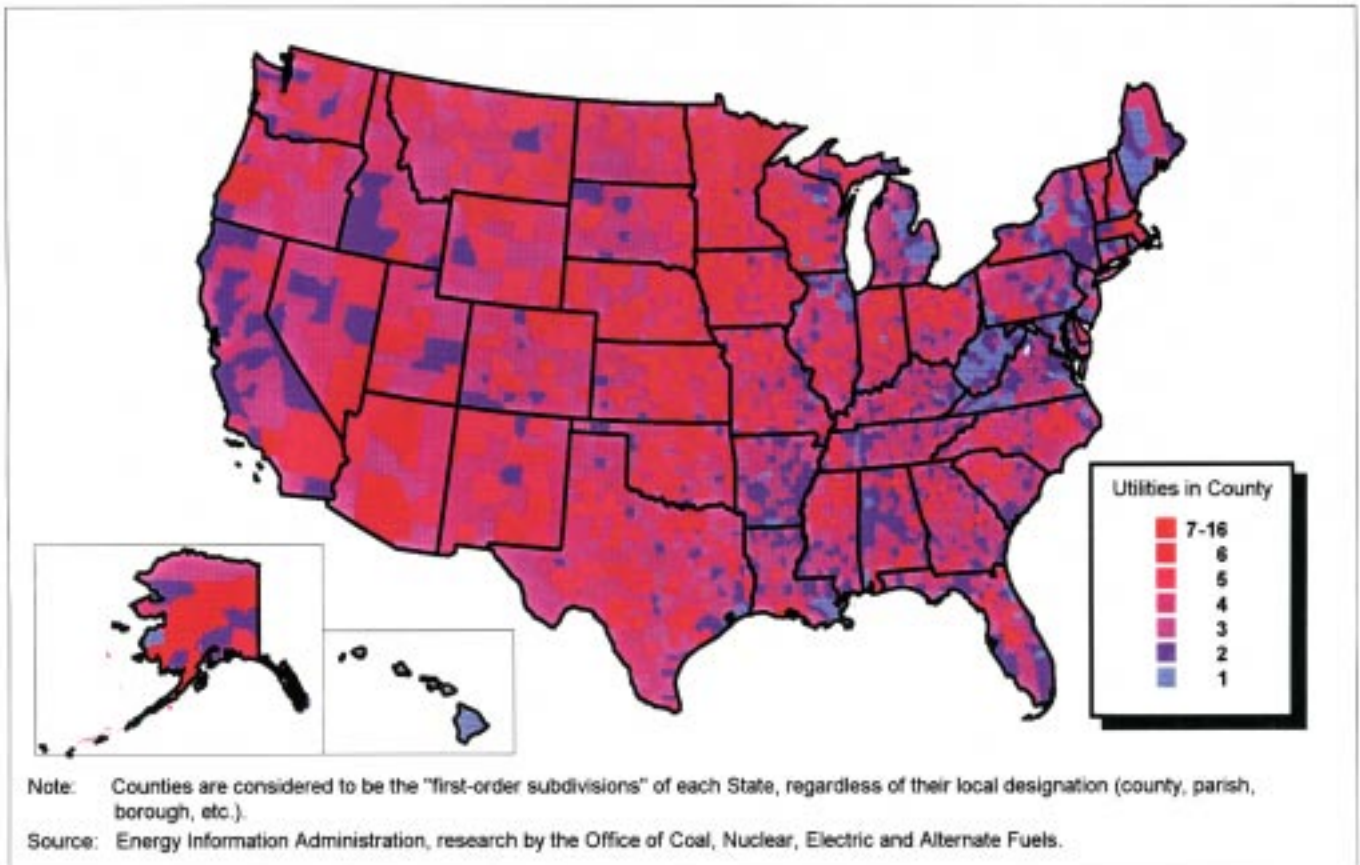
Wholesale trade in electricity plays an important role for the U.S. electric utility industry. Wholesale, or bulk power, transactions allow electric utilities to reduce power costs, increase power supply options, and improve reliability. In 1994, the wholesale trade market totaled 1.9 trillion kilowatthours, about 66 percent of total sales to ultimate consumers.

This publication, *Electric Trade in the United States 1994 (ELECTRA)*, is the fifth in a series of reports on wholesale power transactions prepared by the Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration (EIA). The electric trade data are published biennially. The first report presented 1986 data, and this report provides information on the electric power industry during 1994.

The electric trade data collected and presented in this report furnish important information on the wholesale structure found within the U.S. electric power industry. The patterns of interutility trade in the report support analyses of wholesale power transactions and provide input for a broader understanding of bulk

power market issues that define the emerging national electric energy policies. The report includes information on the quantity of power purchased, sold, exchanged, and wheeled; the geographical locations of transactions and ownership classes involved; and the revenues and costs.

Figure 1. Electric Utility Density by County in the United States



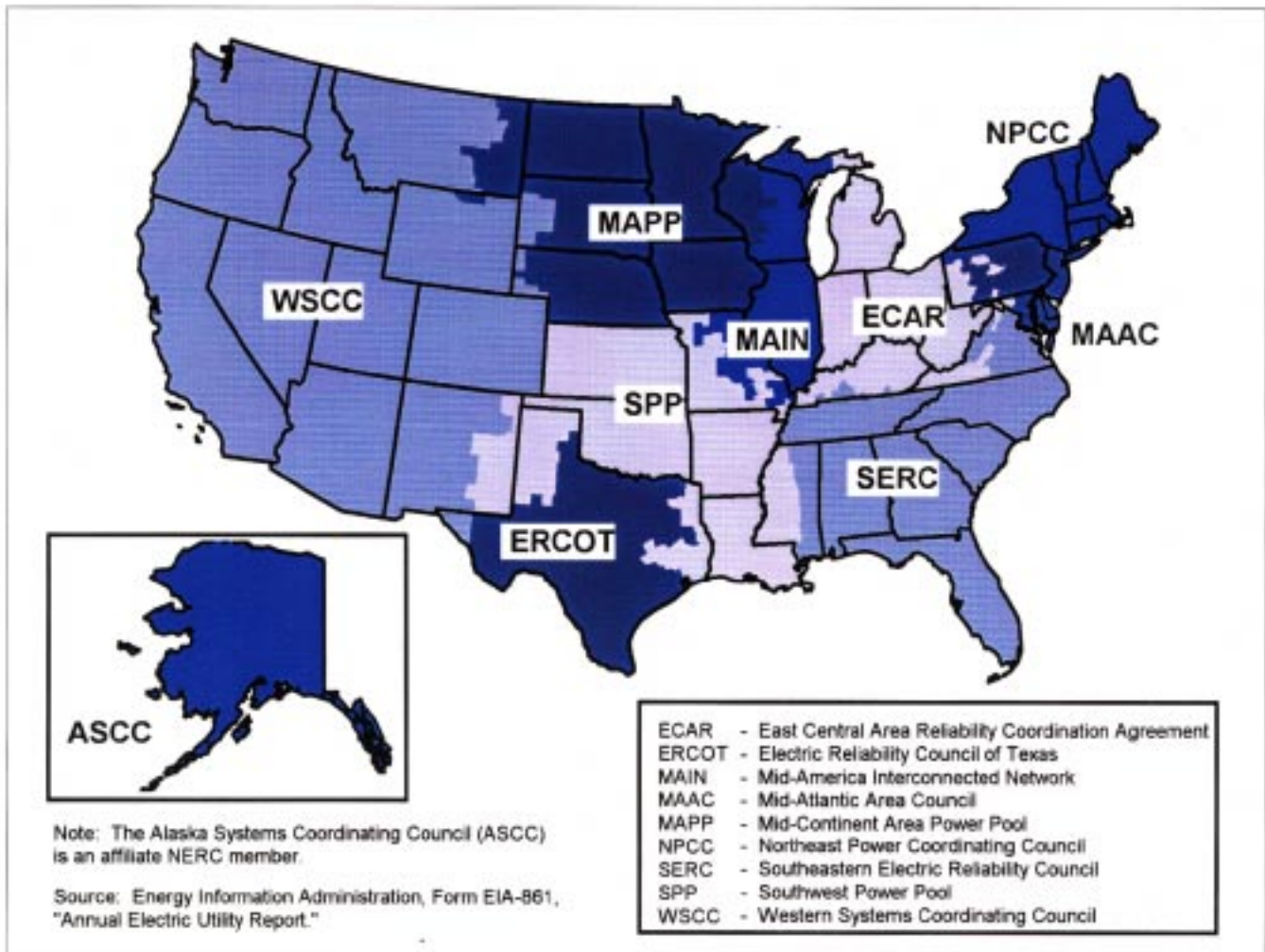
The Electric Utility Industry Structure

The utilities covered in this publication include all U.S. electric utilities in the 50 States and the District of Columbia. Electric utilities fall into three basic ownership classifications: investor-owned (privately owned), publicly owned, and cooperative. Publicly owned utilities may be Federally owned, State-owned, or municipally owned. In 1994, there were 3,204 electric utilities in the United States. Of these, 2,015 were publicly owned (including 10 Federal utilities), 939 were rural electric cooperatives, and 250 were investor-owned utilities (Table 1). Some of these electric utilities have service territories extending beyond a single county or parish. Others just serve a municipi-

ality or part of a county. Most counties in the United States have more than a single utility and some parts of the country have more than 10 electric utilities operating in a county (Figure 1). Many of the Nation's electric utilities are exclusively distribution utilities, that is, they purchase wholesale power from other utilities and distribute, on their own distribution lines, the electricity to ultimate consumers. For example, fewer than 1,000¹ of the 3,204 utilities in the United States are engaged in power generation. In order to move electricity from utilities with generating capability to the distribution utilities, an extensive system of high voltage transmission lines is operated by the Nation's largest utilities. This transmission network permits the electric trade between utilities, because without it electricity could not be moved from power plants to the thousands of distribution systems and millions of consumers of electric power.

¹ Energy Information Administration Form EIA-860, "Annual Electric Generator Report."

Figure 2. North American Electric Reliability Council Region Map for the United States



Investor-Owned Utilities

There are several basic organizational forms among investor-owned companies. The most prevalent is the single corporation. Another common form is the holding company in which a parent company is established to own one or more operating utility companies which are integrated with one another. The Public Utility Holding Company Act of 1935 requires that the utilities owned by a holding company operate as a single integrated utility system.

Most of the investor-owned utilities sell power at retail rates to several different classes of customers and at wholesale rates to investor-owned, Federal, State, and local government utilities, public utility districts, and rural electric cooperatives. A wholesale customer can be a distribution utility with little or no generating capacity of its own or another integrated utility that purchases power to supplement its own generation or for economic reasons.

Publicly Owned Utilities

Publicly owned electric utilities represent 63 percent of the total number of U.S. electric utilities but accounted for only 16 percent of sales to ultimate consumers in 1994. Publicly owned utilities include Federal utilities, State and other government owned utilities (irrigation districts, public power districts, and State authorities and other organizations), and municipal utilities.

Federal power plants generate less than 9 percent of the electricity in the United States, primarily from hydroelectric facilities operated by the U. S. Army Corps of Engineers and the Bureau of Reclamation of the U.S. Department of Interior. Electricity is also generated by the Bureau of Indian Affairs and the International Boundary and Water Commission. Energy generated by these producers is marketed (along with any of their own generation) by the five Federal power marketing administrations: Bonneville (in the northwestern United States), Southeastern, Southwestern, Western Area, and Alaska. The power marketing administrations are part of the U.S. Department of Energy and operate in all States except those in the Northeast, upper Midwest, and Hawaii. The Tennessee Valley Authority generates electricity from coal and nuclear power as well as hydropower. It is the largest Federal power producer and markets electricity in both the wholesale and retail markets. In addition, the U.S. Department of Defense sells a small quantity of power, generated by Federal nonutilities, to the power grid.

Approximately 20 percent of the electricity generated by Federal utilities is sold to retail customers which are usually large industrial customers or Federal installations. Most of the remaining energy is sold to publicly owned utilities and rural cooperatives for resale. These wholesale customers have a legal preference right to Federal electricity. Only the surplus remaining after meeting the energy requirements of preference customers is sold to the investor-owned utilities.

Municipal utilities account for almost 58 percent of the number of electric utilities in the United States, but produce less than 5 percent of total net generation. Municipal utilities tend to be concentrated in cities where the loads are small. They exist in every State except Hawaii, but are concentrated, predominately in the Midwest and Southeast. In general, municipal utilities tend to have lower costs than investor-owned utilities because they generally have access to bonds supported by tax based funds and do not pay certain taxes or dividends. They also have high density service areas.

The other publicly owned utilities include State authorities, public power districts, irrigation districts, and other State organizations. State authorities are utilities that function in a manner similar to Federal utilities. They generate or purchase electricity from other utilities and market large quantities wholesale to groups of utilities within their States at lower prices than the individual utilities would otherwise pay. The public power districts tend to be concentrated in Nebraska, Washington, Oregon, Arizona, and California. Appendix Tables B2 through B4 contain listings of the public power municipals, State authorities, and Federal utilities used in this publication.

Rural Electric Cooperatives

Most rural electric cooperative utilities are formed and owned by groups of residents in rural areas to supply power to those areas. Some cooperatives may be owned by a number of other cooperatives. (There are really three types of cooperatives: (1) distribution only; (2) distribution with power supply; and (3) generation and transmission.) Cooperatives currently operate in 46 States, and represent 29 percent of the total utilities in the country. Most distribution cooperatives resemble municipal utilities in that they often do not generate electricity, but purchase it from other utilities. The other type (generating and transmission cooperatives) are usually referred to as power supply cooperatives. These cooperatives are usually owned by the distribution cooperatives to whom they supply wholesale power. Distribution cooperatives resemble Federal utilities by supplying electricity to other utility customers from their generating capability. Cooperatives accounted for almost 8 percent of sales to ultimate consumers in 1994.

Changing Electric Power Industry

The electric power industry is undergoing fundamental changes reflected by its evolving structure. For many years, the industry was dominated by locally franchised, vertically integrated utilities, regulated by State regulatory agencies. This picture has been changing rapidly in recent years with the passage of new legislation introducing a new type of business entity, changing regulations, and an increasing reli-

ance by utilities on the wholesale purchase of electricity.

Nonutility Generation in Electric Trade

The growing role of nonutility generators (NUG) in electricity supply reflects the acceptance of alternative power supplies in the wholesale electric power market. The near monopoly of electric generation by regulated electric utilities has ended, as many new participants generate electricity and sell power to electric utilities, thus changing long-established institutional relationships. The outlook is for greater participation by nonutility generators in wholesale power supply. The changing roles and relationships between utility and nonutility participants in the wholesale power market are uncertain and have raised several unresolved technical, economic, and regulatory issues.

Differences remain between traditional electric utilities and nonutility power generators for many reasons, including the passage of new legislation and the application of regulations designed specifically for nonutility generators. For example, a traditional definition

of a utility might simply include any business entity whose principal business is generating and selling electricity. This definition would exclude industrial generators and cogenerators, the principal nonutility generators organizations producing power but which are primarily engaged in business activities other than power sales.

A more common definition of an electric utility includes three elements: a franchised service territory; the obligation to serve all customers within this exclusive area; and the regulations that constitute this compact. This definition, however, ignores utilities without retail customers such as generation and transmission companies. All generators of electricity without a service area and with a contractual obligation to serve would be considered nonutilities under this definition. Even with this definition, there are various classes of nonutility generators, some of which reflect regulatory distinctions and others, which have evolved over time and may be less precise and overlapping: independent power producers (IPP), nonutility generators (NUG),² small power producers (SPP), qualifying facilities (QF), and industrial power producers.

Table 1. Number of Electric Utilities by Class of Ownership Within NERC Region, 1994

NERC Region	Investor-Owned	Federal ¹	State and Other Government	Municipals	Cooperatives	U.S. Total
Number of Utilities						
ASCC	24	1	5	31	22	83
ECAR	45	1	4	222	109	381
ERCOT	6	1	3	63	60	133
MAAC	19	0	0	50	19	88
MAIN	18	0	0	143	46	207
MAPP	15	0	36	458	186	695
NPCC	56	0	4	121	12	193
SERC	19	2	5	315	189	530
SPP	16	1	8	289	156	470
WSCC	29	4	78	170	140	421
Hawaii	3	0	0	0	0	3
U.S. Total	250	10	143	1,862	939	3,204
Percent						
ASCC	10	10	3	2	2	3
ECAR	18	10	3	12	12	12
ERCOT	2	10	2	3	6	4
MAAC	8	0	0	3	2	3
MAIN	7	0	0	8	5	6
MAPP	6	0	25	25	20	22
NPCC	22	0	3	6	1	6
SERC	8	20	3	17	20	17
SPP	6	10	6	16	17	15
WSCC	12	40	55	9	15	13
Hawaii	1	0	0	0	0	*

¹ The Federal Government both produces electricity and sells it at wholesale. Federal producers include the U.S. Army Corps of Engineers, Bureau of Indian Affairs, Bureau of Reclamation, and the International Boundary and Water Commission. The power marketing administrations of the U.S. Department of Energy are also federally owned utilities; they include the Alaska, Bonneville, Southeastern, Southwestern, and Western Area Power Administrations. The Tennessee Valley Authority both generates and markets electricity.

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

Notes: •NERC is the North American Electric Reliability Council. ASCC is an affiliate NERC member, and Hawaii is not a NERC member. See glossary for a complete list of regions. •Percentages may not total 100 because of independent rounding.

Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Current legislation and regulations may not always draw clear distinctions. For example, a producer of

electricity that would appear to be a nonutility generator might be considered a utility if it is intercon-

² No specific legislative or regulatory definition exists for the term "nonutility." Therefore, it cannot be assumed that if an entity does not qualify as a utility that it is then a nonutility.

nected to transmission facilities in certain ways. Moreover, various laws and regulations may not always draw clear distinctions and may define utility broadly to include anyone selling electricity. The clearest exception is for firms, which are not electric utilities, that sell power from qualifying facilities (QF) as defined under the Public Utility Regulatory Policies Act (PURPA). The Energy Policy Act of 1992 defined a new class of nonutility generator, called exempt wholesale generators (EWG), to encourage the development of conventional generating facilities that will not meet the QF requirements. These EWGs are not considered electric utilities and are exempted from Public Utility Holding Company Act requirements. Despite the variety of definitions, nonutility power producers are generally considered to be the nontraditional producers of electric energy (i.e., producers that are neither traditional Federal,

State, investor-owned, cooperative, nor municipal utilities).

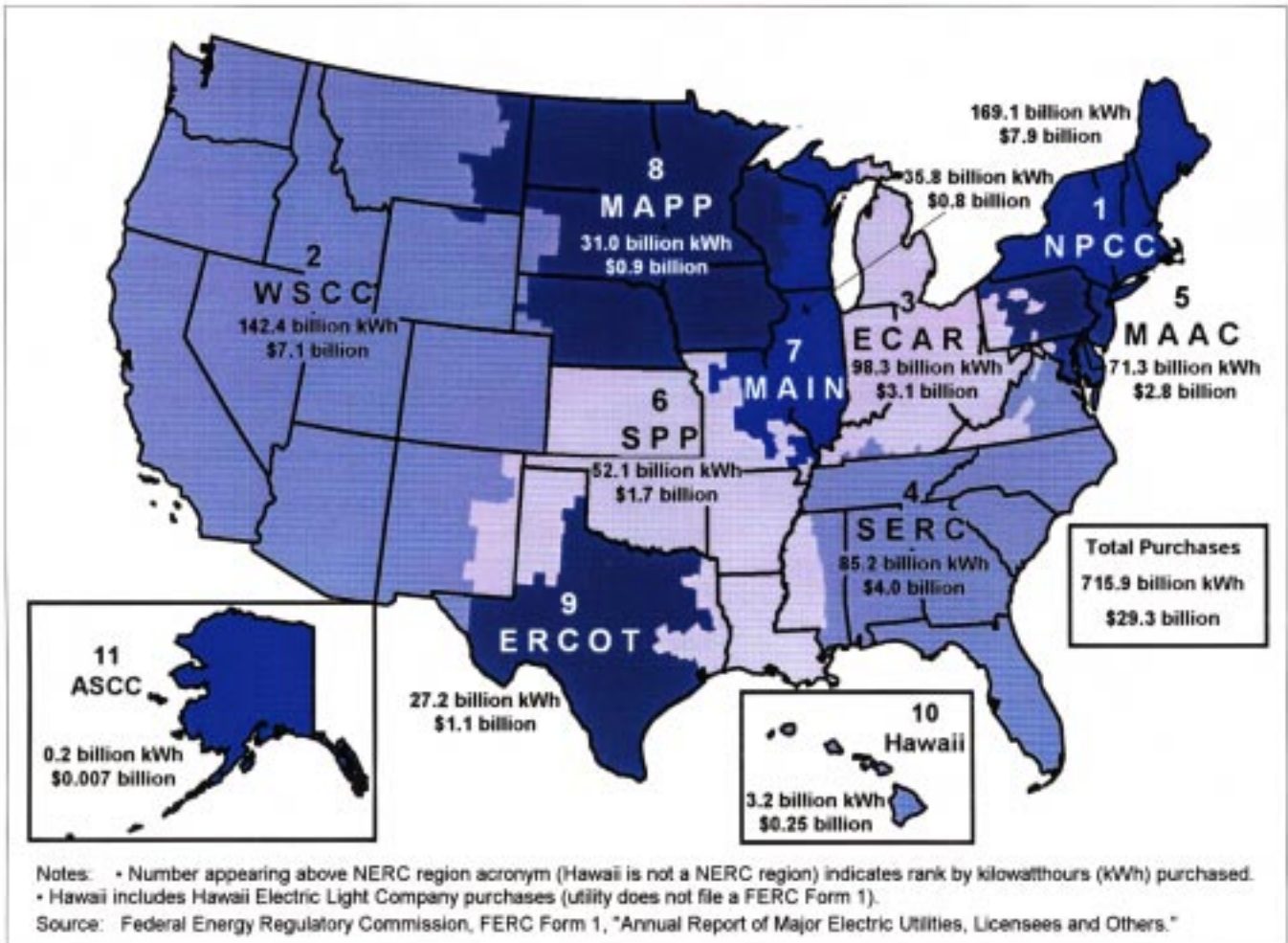
The Federal Government and other users of electric generation data are interested in this nontraditional generation group because, as nonutility power producers increase their level of production of electric energy, the group becomes a more important segment of the U. S. electric power industry. Nonutility power producers sold over 208 billion kilowatthours in 1994 (Table 2). As one of the fastest growing segments of the electric power industry, nonutility power producers may be responsible for a significant portion of new power plant construction. This group is, therefore, of great interest to analysts of the electric power industry. Analysis of the electric utility industry is complicated by the changing structure of the industry--which now includes a significant number and wide range of nonutility participants--and by the changing mix of transactions that characterize electric trade.

Transmission Services and Energy Broker/Marketers

The Energy Policy Act of 1992 (EPACT) amended the Federal Power Act (FPA) to allow any electric utility to apply to the Federal Energy Regulatory Commission (FERC) for an order requiring another utility to provide transmission services (wheeling). Prior to EPACT, FERC could not mandate an electric utility to

provide wheeling services for wholesale electric trade. This change in the law will permit operators of electric generating equipment to sell wholesale power (sales for resale) to noncontiguous utilities. The amendment to the FPA will also affect electricity marketers, a relatively new group under FERC's jurisdiction. Marketers are business entities engaged in buying and selling electricity, but with no generating or transmission facilities. Marketers take ownership of

Figure 3. Electricity Purchases and Costs by Investor-Owned Utilities by NERC Region, 1994



the electricity and are involved in interstate trade. A number of energy marketers that may be involved in interstate electricity trade have filed with FERC and have had their rates authorized (Appendix Table B7). When ownership of the electricity is not taken, then those transactions are not regulated by FERC (the parties handling the transactions are called brokers).

The Interconnected Networks

The U.S. bulk power system has evolved into three major networks (power grids), which also include smaller groupings or power pools.

Table 2. Energy Account Balance by Class of Ownership, 1994
(Million Kilowatthours)

Item	Investor-Owned	Federal ¹	State and Other Government	Municipals	Cooperatives	U.S. Total
Source of Energy						
Net Generation	2,206,025	248,946	174,786	130,685	164,520	2,924,961
Purchases from Utilities	503,166	19,933	83,939	274,054	345,722	1,226,814
Purchases from Nonutilities	206,538	128	427	1,405	281	208,778
Net Exchange ²	3,072	-7,898	1,628	-102	-358	-3,659
Received.....	69,211	41,082	7,880	11,515	25,062	154,750
Delivered.....	66,140	48,979	6,253	11,617	25,420	158,409
Net Wheeling ³	3,457	291	233	53	191	4,225
Received.....	252,943	47,224	12,735	16,520	7,384	336,805
Delivered.....	249,485	46,933	12,502	16,466	7,193	332,580
Disposition of Energy						
Sales to Ultimate Consumers.....	2,237,683	46,703	96,656	324,986	228,535	2,934,563
Requirements and Nonrequirements						
Sales for Resale.....	517,122	198,782	150,262	61,736	257,449	1,185,352
Energy Furnished Without Charge	1,976	227	1,094	1,377	88	4,762
Energy Used by Utility	6,571	2,306	4,999	1,160	459	15,495
Energy Losses ⁴	158,906	13,381	8,002	16,835	23,823	220,948

¹ Federal authorities use different accounting methods for reporting energy received from Federal generating assets; the energy may be reported as generation or purchases.

² Reported as power exchange in account 555, "Purchased Power Transactions," of the FERC Uniform System of Accounts.

³ Reported as transmission services in account 456, "Transmission For Others," and in account 565, "Transmission By Others," of the FERC Uniform System of Accounts.

⁴ These values are not measured; however, they represent losses and unaccounted for energy. These values are calculated in order that source and disposition of energy are equivalent.

Notes: •Annual net generation data shown here should be used only in comparison with other Form EIA-861 data. Total annual net generation data are published by the Energy Information Administration from its Form EIA-759, "Monthly Power Plant Report." •Source and disposition are the aggregation of data reported for each utility; these data are not additive due to double counting. Purchases from utilities, net exchange and net wheeling (except for imports) are included in net generation. Sales for resale are included in sales to ultimate consumers. •Imports and exports are included in purchases, sales for resale, net exchanges, and/or wheeling. •Due to the complexity of electric power transactions that involve specifics of contracts, simultaneous energy transactions, the unintended receipt and delivery of energy (inadvertent flow) and losses, uniformity in reporting the classification and quantity of each transaction among utilities may not exist. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

The major networks consist of extra-high voltage connections between individual utilities designed to permit the transfer of electrical energy from one part of the network to another. These transfers are restricted, on occasion, because of a lack of contractual arrangements or because of inadequate transmission capability (See Appendix C).

The three networks are (1) the Eastern Interconnected System, consisting of the eastern two-thirds of the United States; (2) the Western Interconnected System consisting primarily of the Southwest and areas west of the Rocky Mountains; and (3) the Texas Interconnected System. The latter is not interconnected with the other two networks (except by certain direct current lines). The two other networks have limited interconnections to each other. Both the Western and Texas Interconnect are linked with different parts of Mexico. The Eastern and Western Interconnects are completely integrated with most of Canada or have

links to the Quebec Province power grid. Virtually all U.S. utilities are interconnected with at least one other utility by these three major grids. The exceptions are in Alaska and Hawaii. The interconnected utilities within each power grid coordinate operations and planning, and buy and sell power among themselves for the benefit of the customers.

Overall reliability planning and coordination of the interconnected power systems are the responsibility of the North American Electric Reliability Council (NERC). The NERC was voluntarily formed in 1968 by the electric utility industry as a result of the 1965 power failure in the Northeast. The regional councils cover the 48 contiguous States, part of Alaska,³ and portions of Canada and Mexico (Figure 2) and are responsible for the overall coordination of bulk power policies that affect the reliability and adequacy of service in their areas. These councils also regularly exchange operating and planning information among

³ The Alaska System Coordinating Council (ASCC) is an affiliate member of NERC.

their member utilities. The boundaries of the NERC regions follow the service areas of the electric utilities in the region. The service area of many electric utilities do not follow State boundaries. Hence, electric trade data are not available by State, but are presented by NERC regions, except for Hawaii

Wholesale Trade Transactions

Wholesale electricity trade has become a major contributor to systems operations in the U.S. electric utility industry. In this publication, wholesale, or bulk power, transactions are categorized and defined in accordance with FERC reporting requirements.

Wholesale power transactions include purchases, sales for resale, exchanges, and wheeling (i.e., transmission services). Purchase transactions involve buying power from electric utilities and nonutility producers of electricity. Sales for resale transactions refer to power sold by one electric utility to one or more utilities for distribution to ultimate consumers. Exchanges involve trading electric energy when supply and demand conditions are mutually advantageous and reversible for the participating parties. Exchanges are often based on time-dependent excess capacity or diversity in load requirements.

With exchange transactions, monetary repayment or replacement of energy may extend over several years, which is not a member.

Most bulk power transfers involve neighboring utilities whose systems are directly interconnected. At other times, however, bulk power transfers involve a third utility situated between two unconnected utilities that want to enter into a bulk power transaction. In that transaction, the third (intervening) utility allows its transmission lines to be used for bulk power trans-

fers between the two other utilities. This intervening utility is providing a form of transmission service known as wheeling. Wheeling is generally defined as the movement of electricity from one system to another over the transmission facilities of an intervening system. (Technically, there is two-party wheeling: (1) seller and wheeler and (2) purchaser.) Wheeling is conducted under terms and conditions that ensure safety and reliability and that prevent the wheeling utility from being unfairly burdened with added costs.

Figure 4. Electricity Sales for Resale and Revenue by Investor-Owned Utilities by NERC Region, 1994

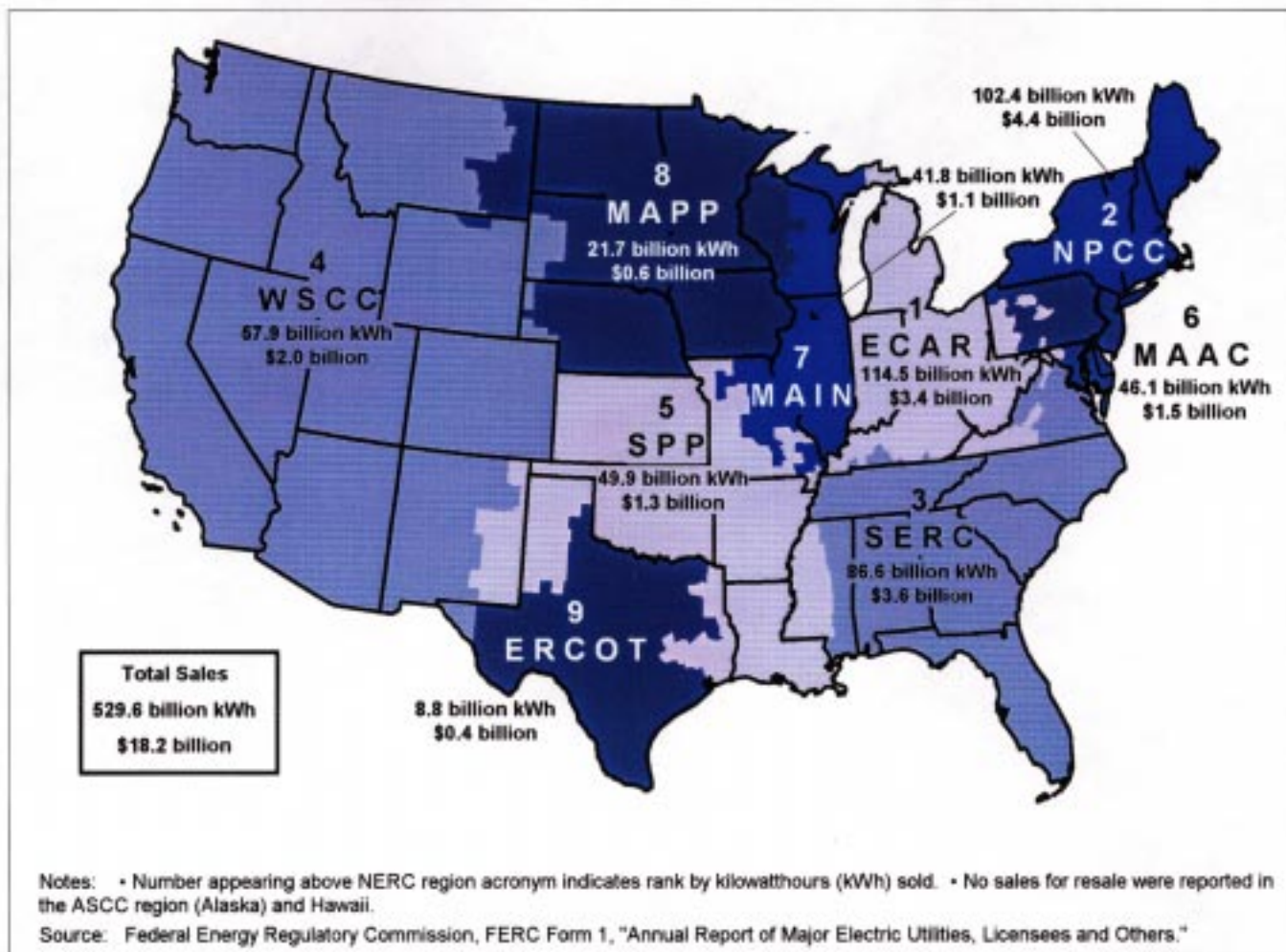


Table 3 provides an overview of wholesale and retail transactions in the electric utility system by NERC region. The table includes data on net generation, purchases, energy losses, sales to ultimate consumers, and electric trade transactions. Electricity is purchased by all classes of electric utilities. Purchases from nonutilities accounted for 7 percent of sales to consumers in 1994. These purchases are made generally by utilities in whose service territories the nonutilities are located. Losses represent energy lost in transmission, distribution, and power unaccounted for, which amounted to 7.5 percent of sales to consumers in 1994. Electricity inflows--purchases, exchanges-in, and wheeling-in--represent almost 66 percent of sales to consumers. Table 4 presents a historical view of electric trade flows (including net generation) and how components of electric trade changed for years 1987 through 1994. Chapters 1 through 4 of this publication focus on purchases, sales for resale, exchanges, and wheeling of electricity (columns 4 and

5 of Table 3). Data for energy flows represent the summations of flows of energy between utilities in accordance with the provisions of their service agreements. These flows represent accounting transactions rather than metered flows. Detailed coverage of wholesale trade activities by NERC region for each class of ownership is presented in Chapters 2 through 4. The electricity transactions reported in the remaining chapters do not include transmission and distribution losses. Chapter 5 presents selected data on the physical transmission systems.

Categories of Wholesale Trade Transactions

There are two main types of bulk power transactions: coordination transactions and requirement transactions. capacity sale usually has a separate cost from the demand charge.

Table 3. Components of Source and Disposition of Electricity by NERC Region, 1994

NERC Region	Net Generation	Energy Furnished and Used by Utility	Nonutility Purchases	Utility, Purchases, Exchange In, Wheeling In ¹	Sales for Resale, Exchange Out, Wheeling Out ²	Total Region Energy Loss	Sales to Ultimate Consumer
Energy (million kWh)							
ASCC.....	4,913	37	4	3,948	3,945	350	4,533
ECAR.....	492,074	1,187	12,659	186,341	199,188	30,953	459,747
ERCOT.....	204,256	305	23,264	117,828	112,985	13,278	218,781
MAAC.....	206,221	2,841	20,911	73,999	60,205	14,450	223,635
MAIN.....	221,770	728	392	66,145	58,584	14,692	214,304
MAPP.....	124,607	624	585	108,472	92,834	11,271	128,935
NPCC.....	189,546	1,020	49,348	218,003	198,490	18,707	238,679
SERC.....	678,423	2,542	24,020	373,641	367,081	49,982	656,478
SPP.....	260,025	1,673	6,856	165,263	153,989	19,299	257,183
WSCC.....	537,399	9,278	67,297	404,728	429,034	47,415	523,696
Hawaii.....	5,728	20	3,442	3	6	552	8,593
U.S. Total.....	2,924,961	20,256	208,778	1,718,369	1,676,341	220,948	2,934,563
Percent							
ASCC.....	*	*	*	*	*	*	*
ECAR.....	17	6	6	11	12	14	16
ERCOT.....	7	2	11	7	7	6	7
MAAC.....	7	14	10	4	4	7	8
MAIN.....	8	4	*	4	3	7	7
MAPP.....	4	3	*	6	6	5	4
NPCC.....	6	5	24	13	12	8	8
SERC.....	23	13	12	22	22	23	22
SPP.....	9	8	3	10	9	9	9
WSCC.....	18	46	32	24	26	21	18
Hawaii.....	*	*	2	*	*	*	*

¹ Includes all trade into and within the region and purchases, exchange in, and wheeling in for utilities operating within the region.

² Includes all trade out of and within the region and sales for resale, exchange out, and wheeling out for utilities operating within the region.

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

Notes: •Annual net generation data shown here should be used only in comparison with other Form EIA-861 data. Total annual net generation data are published by the Energy Information Administration from its Form EIA-759, "Monthly Power Plant Report." •NERC is the North American Electric Reliability Council. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding. Percentages may not total 100 because of independent rounding.

Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Coordination transactions are interruptible and generally represent short term sales as contrasted to requirement transactions which usually are established for longer periods of time. Requirement transactions cover power supply contracts in which firm service equates to the energy needs required by a designated customer base plus coverage of associated electrical losses and the electrical energy is supplied by other utilities. The duration of the sale and the type of

capacity sold are key factors in determining the type and value of the transaction. The length of the sale can be 1 hour, several months, a year, or longer. Another type of transaction is an exchange in which the energy usually is returned in kind at a date agreed upon by both utilities.

Firm sales usually involve the sale of capacity, meaning that either the associated energy will be

taken by the purchaser or the purchaser will pay for the capacity during those periods when the energy is not taken. This payment is called a demand charge. The delivery is scheduled as part of the normal operating conditions of the affected electric systems. Firm capacity may be made available from the selling utility's entire pool of generating facilities or from a specific generating unit. The capacity offered in these transactions is usually for a specified period of time and negotiated in advance of the trade. The associated energy purchased through a capacity sale usually has a separate cost from the demand charge.

One of the most common types of firm power transactions involves the transfer of full or partial requirements power. Requirement contracts involve electric utilities that have either insufficient or no generating capability to satisfy their customer load. These utilities negotiate long-term, firm power contracts in which the terms and conditions obligate the selling electric utility to provide the buying electric utility a level of service equivalent to the seller's requirement to support its retail customers. An electric utility purchasing requirement power may have contracts with more than one electric utility in order to cover their customer base.

Nonfirm sales, sometimes called energy, economy, or interruptible sales, rarely have a demand or capacity charge included in the price of the transaction. These transactions are typically for short periods and subject to curtailment or cessation of delivery by the supplier in accordance with prior agreements or under specified conditions. Electric utilities engage in these transactions in order to gain operational savings, such as avoiding the use of more expensive fuels and selling electricity generated by the spillage of excess reservoir water through a water-driven turbine-generator.

In addition to domestic wholesale transactions, U.S. utilities have engaged in international trade agreements with utilities from Canada and Mexico that cover a number of transaction options. These options include purchasing nonfirm energy from relatively inexpensive renewable resources, such as hydroelectric facilities in Canada and geothermal facilities in Mexico; acquiring additional generating capability to support the requirements for supply at U.S. electric utilities; the holding of reservoir water to be turned into electricity; and sharing the benefits of coordinated planning between the systems.

Regional Receipts and Deliveries of Wholesale Power

A large amount of the electricity generated in the United States is traded under wholesale purchases and sales for resale contracts. The vast majority of wholesale transactions for investor-owned, Federal, and

cooperative utilities involve utilities within the same NERC regional boundaries. Many of the differences between intra- and interregional wholesale power transactions result from the historical development of multiple transmission links among clusters of neighboring utilities. In addition, the development of shared interconnection and coordination agreements among these groups of utilities help delineate the regional operating boundaries of electric utilities.

Investor-owned electric utilities have led the other ownership classes in both intra- and interregional purchases and sales for resale. Interregional sources provided 10 percent of investor-owned purchases in 1994. Cooperatives made interregional purchases of 5 percent while Federal utilities purchased 8 percent (Table 5).

As shown in Table 6, both firm purchases and sales for resale represented almost 52 percent of investor-owned utilities transactions (miscellaneous purchases and sales for resale are included in the total). Utilities in the WSCC region purchased the most firm electricity, while the utilities in the ECAR sold the most in 1994. Utilities in NPCC purchased the most nonfirm energy, and SERC utilities sold the most nonfirm power.

Table 7 shows wheeling trade in the U.S. by NERC Region for the years 1987 through 1994.

National and Regional Highlights

The FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others," is used to collect annual data on electricity trade by quantity, cost, and revenue from investor-owned utilities. These data were used to construct the tables in Chapters 1 and 2 and show the quantity and value of firm and nonfirm electricity trade reported.

Purchases from all sources by major investor-owned utilities totaled 361.7 billion kilowatthours of firm power for \$18 billion and 326.5 billion kilowatthours of nonfirm energy for \$10.5 billion in 1994 (Table 8).

Investor-owned utilities exchanged approximately 65 billion kilowatthours of electricity with other utilities for both receipts and deliveries (Table 10). The most exchange activity occurred in ERCOT, with 3.3 billion kilowatthours each in receipts and deliveries.

The exchanges reported with noninvestor-owned utilities in 1994 (Table 11), were mostly with Federal utilities, accounting for half of the exchanges.

Tables

National and regional aggregates are presented at the end of this chapter for data covering:

- Purchases, sales for resale, and exchanges by investor-owned utilities with all ownership classes (Tables 8 through 10)
- Exchanges by noninvestor-owned utilities (Table 11)
- Wheeling transactions of investor-owned utilities (Tables 12 and 13)
- Regional purchases by cooperative borrowers (Table 14)
- Trading within and between regions by investor-owned utilities (Tables 15 and 16)

- Transactions of investor-owned utilities in Alaska and Hawaii (Table 17)
- U.S. electricity trade with Canada and Mexico (Table 18).

Sources of Data, 1994

Summary information for the United States are provided in Tables 1 through 4 and are obtained from the Form EIA-861 "Annual Electric Utility Report," which is a mandatory report filed by all U.S. electric utilities. The survey represents the collection of data from the complete universe of electric utilities. All other electric utility surveys cited in this publication represent subsets from

Figure 5. U.S. Electricity Trade with Canada and Mexico by NERC Region, 1994

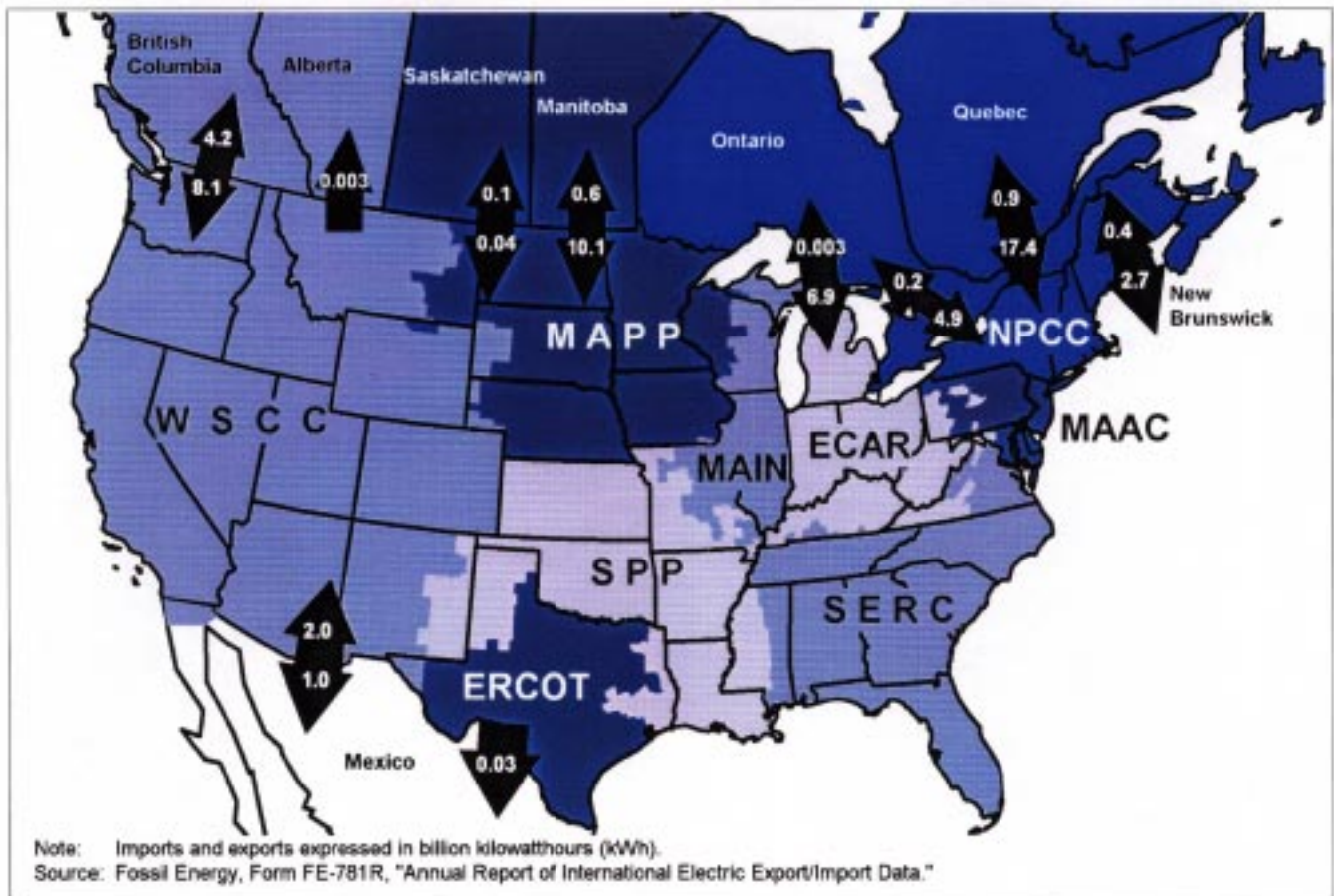


Table 4. Electric Trade in the United States by NERC Region, 1987 Through 1994
(Million Kilowatthours)

Year	Net Generation	Percent Change from Prior Year	Purchases & Exchanges Received ¹	Percent Change from Prior Year	Purchases & Exch. Rec. as Percent of Net Generation ¹	Sales to Ultimate Consumers	Percent Change from Prior Year	Sales for Resale & Exchanges Delivered ²	Percent Change from Prior Year	Sales for Resale & Exch. Del. as Percent of Sales to Ultimate Consumers ²
All Utilities in ASCC										
1994	4,913	5.4	3,257	26.1	66.3	4,533	3.6	3,251	31.1	71.7
1993	4,660	-1.6	2,582	1.6	55.4	4,374	.8	2,480	-2.4	56.7
1992	4,735	1.8	2,543	7.6	53.7	4,338	2.0	2,542	8.8	58.6
1991	4,654	-1	2,363	.6	50.8	4,255	.0	2,336	.2	54.9
1990	4,660	1.8	2,347	2.9	50.4	4,253	2.7	2,330	3.8	54.8
1989	4,575	2.6	2,281	4.5	49.8	4,142	2.4	2,244	3.1	54.2
1988	4,460	1.1	2,183	4.9	48.9	4,045	2.6	2,177	3.8	53.8
1987	4,412	-2	2,081	1.1	47.2	3,943	-2.2	2,097	1.4	53.2
All Utilities in ECAR										
1994	492,074	-0.5	168,139	-1.2	34.2	459,747	2.8	168,558	-9.0	36.7
1993	494,602	2.3	170,205	7.4	34.4	447,062	4.1	185,300	2.3	41.4
1992	483,530	-9	158,417	-4.2	32.8	429,591	-2	181,111	-5.3	42.2
1991	488,102	.6	165,313	-21.4	33.9	430,314	2.8	191,274	-22.2	44.4
1990	485,128	-5	210,322	13.8	43.3	418,732	.9	245,897	9.3	58.7
1989	487,659	.1	184,902	8.1	37.9	414,977	1.7	224,880	3.3	54.2
1988	487,040	5.1	170,991	13.4	35.1	408,171	4.7	217,724	12.4	53.3
1987	463,569	5.6	150,752	-14.5	32.5	389,799	4.6	193,641	-9.0	49.7
All Utilities in ERCOT										
1994	204,256	3.1	117,023	-0.6	57.3	218,781	3.1	88,896	0.8	40.6
1993	198,187	4.1	117,775	11.1	59.4	212,182	4.4	88,169	11.8	41.5
1992	190,442	-8	105,972	-4	55.6	203,206	-5	78,876	-2.4	38.8
1991	192,000	1.8	106,408	12.1	55.4	204,319	1.1	80,853	17.9	39.6
1990	188,586	1.9	94,932	2.0	50.3	202,090	3.3	68,580	1.8	33.9
1989	185,011	3.1	93,087	-7	50.3	195,648	1.7	67,372	.1	34.4
1988	179,442	3.3	93,782	4.0	52.3	192,367	4.3	67,269	1.7	35.0
1987	173,645	.1	90,193	34.7	51.9	184,494	1.5	66,139	44.7	35.8
All Utilities in Hawaii										
1994	5,728	-1.1	3,444	10.9	60.1	8,593	3.2	6	26.9	0.1
1993	5,790	-11.7	3,106	33.4	53.6	8,325	-1	5	65.5	.1
1992	6,555	-6.2	2,328	45.1	35.5	8,332	2.2	3	-39.2	.0
1991	6,991	-9.8	1,605	124.8	22.9	8,154	2.3	5	10.4	.1
1990	7,746	.7	714	57.9	9.2	7,968	4.2	5	38.6	.1
1989	7,692	2.6	452	-9.1	5.9	7,649	3.2	3	-96.3	.0
1988	7,499	5.6	497	3.3	6.6	7,411	5.4	89	6.6	1.2
1987	7,103	4.9	481	-9.0	6.8	7,028	3.7	83	2.7	1.2
All Utilities in MAAC										
1994	206,221	0.3	83,121	4.0	40.3	223,635	1.6	48,485	2.0	21.7
1993	205,552	6.3	79,918	-3.5	38.9	220,037	4.4	47,526	-4.3	21.6
1992	193,330	-2.0	82,808	5.2	42.8	210,799	-9	49,637	9.2	23.5
1991	197,235	2.0	78,747	6.9	39.9	212,728	2.4	45,447	3.6	21.4
1990	193,393	-3	73,631	-5.5	38.1	207,770	.2	43,847	-6.6	21.1
1989	193,889	1.0	77,882	13.0	40.2	207,325	2.3	46,930	16.9	22.6
1988	191,874	3.4	68,904	7.3	35.9	202,705	5.8	40,141	-2.4	19.8
1987	185,541	2.9	64,208	13.3	34.6	191,677	4.9	41,120	5.4	21.4
All Utilities in MAIN										
1994	221,770	2.1	61,661	-2.0	27.8	214,304	3.5	53,774	-6.6	25.1
1993	217,284	8.5	62,911	20.2	28.9	207,004	3.2	57,590	54.4	27.8
1992	200,288	-3.2	52,321	-4.1	26.1	200,571	-6	37,302	-16.2	18.6
1991	206,906	2.6	54,585	-20.1	26.4	201,815	4.5	44,527	-28.4	22.1
1990	201,653	.5	68,308	9.2	33.9	193,068	2.5	62,174	4.7	32.2
1989	200,660	1.0	62,575	10.1	31.2	188,425	1.6	59,407	8.1	31.5
1988	198,666	7.3	56,841	4.1	28.6	185,430	4.9	54,957	13.3	29.6
1987	185,240	2.7	54,605	8.2	29.5	176,801	2.9	48,517	6.5	27.4

See notes and footnotes at end of table.

Table 4. Electric Trade in the United States by NERC Region, 1987 Through 1994
(Million Kilowatthours) (Continued)

Year	Net Generation	Percent Change from Prior Year	Purchases & Exchanges Received ¹	Percent Change from Prior Year	Purchases & Exch. Rec. as Percent of Net Generation ¹	Sales to Ultimate Consumers	Percent Change from Prior Year	Sales for Resale & Exchanges Delivered ²	Percent Change from Prior Year	Sales for Resale & Exch. Del. as Percent of Sales to Ultimate Consumers ²
All Utilities in MAPP										
1994	124,607	-0.2	90,020	-2.6	72.2	128,935	3.9	74,417	-9.5	57.7
1993	124,808	4.0	92,441	-18.7	74.1	124,142	5.8	82,194	-22.0	66.2
1992	120,053	-2.4	113,672	8.1	94.7	117,283	-2.7	105,352	7.4	89.8
1991	122,991	1.9	105,175	-2.1	85.5	120,522	4.0	98,084	-3.7	81.4
1990	120,750	3.7	107,416	2.3	89.0	115,912	1.9	101,829	4.6	87.8
1989	116,410	-1.5	105,038	-1.8	90.2	113,692	.5	97,303	-4.3	85.6
1988	118,238	-3.4	106,950	9.3	90.4	113,136	8.1	101,686	.6	89.9
1987	122,381	8.0	97,835	-10.0	79.9	104,687	.1	101,044	-5.6	96.5
All Utilities in NPCC										
1994	189,546	-2.9	198,467	9.2	104.7	238,679	1.1	129,903	6.9	54.4
1993	195,140	-3.9	181,770	8.9	93.1	236,012	1.1	121,556	2.9	51.5
1992	202,978	-6.9	166,884	8.2	82.2	233,395	-1.1	118,108	-1.7	50.6
1991	218,053	-4.3	154,206	8.8	70.7	233,643	-4.4	120,113	1.6	51.4
1990	227,866	-2.5	141,784	.5	62.2	234,542	.4	118,194	-3.3	50.4
1989	233,624	4.3	141,102	.6	60.4	233,573	2.0	122,287	4.8	52.4
1988	223,996	5.6	140,299	.9	62.6	228,883	5.5	116,647	1.3	51.0
1987	212,165	-4.1	139,050	-5.5	65.5	216,979	4.5	115,181	-14.8	53.1
All Utilities in SERC										
1994	678,423	1.6	372,527	0.3	54.9	656,478	2.9	343,568	-1.5	52.3
1993	667,464	4.6	371,528	5.7	55.7	638,223	4.8	348,749	5.1	54.6
1992	637,803	1.1	351,478	-5.5	55.1	609,139	1.2	331,739	-1.5	54.5
1991	630,562	3.1	353,214	-9.9	56.0	601,988	2.3	336,719	-7.7	55.9
1990	611,708	-1.1	356,296	-1.3	58.3	588,223	2.9	339,058	-4.0	57.6
1989	612,643	7.2	360,938	7.4	58.9	571,569	4.8	353,363	11.0	61.8
1988	571,541	2.1	336,170	2.3	58.8	545,250	4.3	318,412	-2.1	58.4
1987	559,700	5.7	328,486	11.0	58.7	522,900	5.0	325,418	12.0	62.2
All Utilities in SPP										
1994	260,025	1.2	148,574	5.1	57.1	257,183	2.9	130,540	3.3	50.8
1993	256,901	5.9	141,319	9.9	55.0	249,891	6.2	126,397	9.1	50.6
1992	242,514	-8.8	128,586	.5	53.0	235,320	-1.3	115,901	1.2	49.3
1991	244,415	-1.1	127,898	6.1	52.3	238,328	.9	114,484	4.9	48.0
1990	244,762	2.4	120,583	.0	49.3	236,253	5.9	109,113	-4.9	46.2
1989	239,032	2.4	120,646	9.4	50.5	223,134	2.2	114,760	8.5	51.4
1988	233,396	.7	110,226	4.0	47.2	218,281	3.1	105,777	-1.3	48.5
1987	231,865	1.6	105,972	-8.7	45.7	211,806	1.7	107,229	-8.4	50.6
All Utilities in WSCC										
1994	537,399	1.9	344,109	-0.9	64.0	523,696	1.8	302,363	-1.2	57.7
1993	527,428	.9	347,224	-1.1	65.8	514,212	.6	306,168	-1.1	59.5
1992	522,863	-1.1	351,255	-2.1	67.2	511,352	1.1	306,540	-5.1	59.9
1991	523,468	-2.2	358,894	-1.7	68.6	505,936	.4	322,943	-3.9	63.8
1990	535,242	.9	364,977	13.7	68.2	503,744	3.5	336,091	10.0	66.7
1989	530,205	3.0	321,048	12.4	60.5	486,675	3.0	305,522	12.9	62.8
1988	514,622	5.8	285,590	-2.2	55.5	472,386	5.6	270,525	.2	57.3
1987	486,398	2.1	286,132	-2.7	58.8	447,158	3.9	269,901	-6.8	60.4
U.S. Total										
1994	2,924,961	0.9	1,590,342	1.3	54.4	2,934,563	2.5	1,343,761	-1.6	45.8
1993	2,897,815	3.3	1,570,780	3.6	54.2	2,861,464	3.5	1,366,133	2.9	47.7
1992	2,805,092	-1.1	1,516,264	.5	54.0	2,763,324	.0	1,327,111	-2.2	48.0
1991	2,835,377	.5	1,508,408	-2.1	53.2	2,762,003	1.8	1,356,785	-4.9	49.1
1990	2,821,493	.4	1,541,310	4.8	54.6	2,712,555	2.5	1,427,118	2.4	52.6
1989	2,811,398	2.9	1,469,952	7.1	52.3	2,646,809	2.7	1,394,071	7.6	52.7
1988	2,730,774	3.8	1,372,433	4.0	50.3	2,578,062	4.9	1,295,403	2.0	50.3
1987	2,632,019	3.1	1,319,796	.9	50.1	2,457,272	3.8	1,270,370	-1.1	51.7

¹ Includes all transactions received from outside and within the region by utilities operating within the region.

² Includes all transactions delivered out of and within the region by utilities operating within the region.

Notes: •NERC is the North American Electric Reliability Council. ASCC is an affiliate NERC member, and Hawaii is not a NERC member. See glossary for a complete list of regions. •Percentages may not total 100 because of independent rounding.

Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table 5. Intra- and Interregional Purchases and Sales for Resale by Selected Ownership Classes, 1988, 1990, 1992, and 1994
(Million Kilowatthours)

Type of Transaction /Ownership Class	Intraregional					Interregional				
	1994	1992	1990	1988	Total Percent Difference 1988-1994	1994	1992	1990	1988	Total Percent Difference 1988-1994
Purchases										
Investor-Owned.....	663,893	598,671	521,524	394,994	68.1	75,597	59,927	41,827	20,809	263.3
Federal ¹	17,827	17,948	8,476	74,217	-76.0	1,576	1,705	2,637	19,644	-92.0
Cooperatives.....	289,444	266,864	257,467	254,766	13.6	16,766	14,234	15,905	7,573	121.4
Sales for Resale²										
Investor-Owned.....	467,479	452,442	373,897	320,738	45.8	62,206	61,928	70,284	45,235	37.5
Federal ¹	184,991	174,156	185,801	174,279	6.1	13,255	12,973	11,764	2,918	354.3

¹ Federal authorities use different accounting methods for reporting energy received from Federal generating assets; the energy may be reported as generation or purchases. Federal data are presented as an aggregated fiscal year which ends on September 30.

² Detailed information for sales for resale by cooperative utilities is collected but not processed by the Rural Utilities Service.

Sources: Energy Information Administration, Survey Management Division, calculated from data reported on Federal Energy Regulatory Commission (FERC) Form 1, "Annual Report of Major Electric Utilities, Licensees and Others," FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees"; Form EIA-412, "Annual Report of Public Electric Utilities"; Rural Utilities Service, RUS Form 7, "Financial and Statistical Report," RUS Forms 12a through 12i, "Electric Power Supply Borrowers," and RUS Forms 12c through 12g, "Electric Distribution Borrowers with Generating Facilities."

Table 6. Firm and Nonfirm Purchases and Sales for Resale by Investor-Owned Utilities, by NERC Region, 1988, 1990, 1992, and 1994
(Million Kilowatthours)

NERC Region	Firm					Nonfirm				
	1994	1992	1990	1988	Percent Change 1988-1994	1994	1992	1990	1988	Percent Change 1988-1994
Purchases by Investor-Owned Utilities										
ECAR.....	58,274	46,741	47,191	13,777	323.0	30,378	39,531	22,196	10,358	193.3
ERCOT.....	17,340	22,716	22,285	21,423	-19.1	9,574	5,141	3,399	2,919	227.9
MAAC.....	20,802	28,244	25,925	23,260	-10.6	47,385	38,994	14,340	7,256	553.1
MAIN.....	22,716	11,547	12,463	3,910	481.0	13,120	17,002	9,307	4,218	211.0
MAPP.....	15,373	13,652	6,193	5,485	180.3	10,103	12,701	13,744	10,117	-1
NPCC.....	73,064	74,925	65,349	73,573	-7	95,632	66,934	38,682	28,732	232.8
SERC.....	58,077	57,671	59,834	44,418	30.8	27,079	29,019	28,642	8,150	232.3
SPP.....	9,836	3,941	6,886	13,163	-25.3	40,683	44,138	30,227	26,777	51.9
WSCC.....	86,251	83,037	78,397	49,094	75.7	52,536	46,206	59,163	50,878	3.3
Contiguous U.S. Total.....	361,733	342,472	324,524	248,104	45.8	326,490	299,666	219,700	149,405	118.5
Sales for Resale by Investor-Owned Utilities										
ECAR.....	77,159	78,719	75,359	77,391	-0.3	37,339	53,251	42,054	22,102	68.9
ERCOT.....	5,901	6,599	8,232	8,667	-31.9	2,916	1,392	1,405	2,065	41.2
MAAC.....	9,994	13,978	6,372	6,229	60.4	32,141	28,411	9,186	6,323	408.3
MAIN.....	22,343	16,375	22,325	10,890	105.2	19,426	10,170	6,884	1,226	1483.9
MAPP.....	7,909	9,828	6,789	4,388	80.3	8,205	8,728	11,175	5,002	64.0
NPCC.....	52,985	53,816	47,578	49,477	7.1	43,311	37,964	19,337	13,164	229.0
SERC.....	35,234	42,960	44,051	39,759	-11.4	50,838	46,339	49,429	36,568	39.0
SPP.....	18,665	17,139	15,586	14,830	25.9	31,148	27,944	19,960	21,377	45.7
WSCC.....	27,894	29,962	27,516	19,320	44.4	29,955	23,210	23,380	19,351	54.8
Contiguous U.S. Total.....	258,084	269,376	253,809	230,952	11.7	255,279	237,409	182,809	127,180	100.7

Notes: •Miscellaneous transactions for the Purchased Power and Sales for Resale categories have been excluded. See Chapter 2 for a discussion of miscellaneous transactions. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See Glossary for a list of regions.

Source: Federal Energy Regulatory Commission (FERC) Form 1, "Annual Report of Major Electric Utilities, Licensees and Others," and FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

the Form EIA-861 universe. Tables 5 through 44 include detailed information developed from direct

filings of different surveys by 198 of the 250 investor-owned electric utilities; 502 of the 2,005 State and

municipal electric utilities; 857 of the 939 cooperative electric utilities, and 8 of the 10 Federal utilities.⁴ The detailed data represent subsets of the universe data provided in Tables 1 through 4. (The requirements for filing are discussed below.) Of the total number of electric utilities identified, but not required to file a detailed data collection form with a Federal agency, most have little generating capability and usually purchase part or all of their electrical energy from one or more of the electric utilities who did file. However, some do buy from cogenerators, cooperatives, or other utilities not required to file. The summary quantity of purchases made by these utilities are included in this publication (Tables 22, 31, and 35). These utilities were identified by matching the names of filing utilities and all the utilities listed on these filings with the universe frame of Form EIA-861, "Annual Electric Utility Report." Chapters 2 through 4 provide detailed data on individual electric utilities developed from the direct filings. However, if the direct filing indicates no wholesale trade transactions, then those electric utilities were not shown in the respective tables. Tables 37 through 44 provide information on portions of the physical transmission systems.

Some data for this publication come from sources outside of EIA. These include: (1) the Federal Energy Regulatory Commission (FERC), (2) the Rural Utilities Service (RUS) in the Department of Agriculture, and (3) the Office of Fossil Energy (FE) in the Department of Energy (see Table ES2). These agencies manage all aspects of their respective surveys and data base maintenance including quality control, frame maintenance, formatting of survey information, survey forms development, handling of nonresponse, and data imputation.

Chapter 1 gives an overview of bulk power trade and provides national and regional electric trade data by all ownership classes. These data come from several forms, as no form was specifically designed to collect electricity trade information from all ownership classes. International trade data are from Form FE-781R, "Annual Report of International Electrical Export/Import Data," (Table 18).

Chapter 2 presents data on bulk power transactions of "Major" and "Minor" investor-owned utilities. Major investor-owned electric utilities are defined as those private utilities that have had, in the past 3 consecutive calendar years, sales or transmission services that exceeded one of the following: 1 billion kilowatthours of total annual sales, 100,000 kilowatthours of annual sales for resale, 500,000 kilowatthours of annual gross interchange-out or 500,000 kilowatthours of transmission for others (wheeling). The criteria for classification as a minor utility are: (1) total annual sales of 10 million

kilowatthours or more in the previous calendar year, and (2) not being classified as a major utility.

The investor-owned utilities shown in this publication report on FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others" and FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

The FERC forms are primarily financial reporting forms. The wholesale data are collected on 4 of the approximately 75 survey schedules of the FERC Form 1. The wholesale electricity trade schedules are sales for resale, purchased power, summary of interchange, and transmission of electricity for or by others. These electricity transactions are shown by utility class of ownership in Tables 19 through 24.

The investor-owned electric utilities that fall below the filing criteria for the FERC Forms 1 and 1-F are not required to file. Appendix Table B1 lists the major and minor utilities that file FERC Forms 1 and 1-F.

Data in Chapter 3 cover wholesale electricity trade for the 502 public utilities that report on Form EIA-412, "Annual Report of Public Electric Utilities," which is used to collect data on purchased power and sales for resale transactions. The public utilities report information by fiscal year; therefore, consistent totals cannot be provided for these classes of ownership. Public electric utilities are required to submit Form EIA-412 when their generation, transmission, or distribution of electricity results in 120 million kilowatthours of sales to ultimate consumers and/or 120 million kilowatthours of sales for resale. Data on exchanges and wheeling in this chapter are reported on Form EIA-861, "Annual Electric Utility Report."

Chapter 4 presents data submitted to the Rural Utilities Service (RUS) of the U.S. Department of Agriculture by cooperative borrowers. The RUS collects information from all utilities that have "borrowed" under the RUS loan guarantee programs and uses the information to verify and administer its loan programs. Appendix Table B5 lists cooperative borrowers. Data covering electricity trade for cooperative borrowers are reported for a calendar-year basis on several closely related RUS forms: RUS Form 7, "Financial and Statistical Report," RUS Forms 12a through 12i, "Electric Power Supply Borrowers," and RUS Forms 12c through 12g, "Electric Distribution Borrowers with Generating Facilities." These forms are used to collect data on purchased power. Sales for resale transactions are not available in a machine-readable format from the RUS.

Chapter 5 presents data on the physical transmission systems. In addition, transmission line statistics are being provided for publicly owned utilities from data reported on Form EIA-412.

⁴ The two Federal utilities that do not file the Form EIA-412 do not sell wholesale power. Electricity produced by these utilities is marketed by one or more of the Federal power marketing administrations.

Table 7. Wheeling Trade in the United States by NERC Region, 1987 Through 1994
(Million Kilowatthours)

Wheeling	1994	1993	1992	1991	1990	1989	1988	1987
All Utilities in ECAR								
Wheeling Received ¹	30,861	31,191	31,803	30,293	32,841	21,098	15,121	10,347
Wheeling Delivered ²	30,630	30,994	31,618	30,161	32,753	20,994	15,036	10,281
Wheeling Net.....	231	197	186	132	88	104	85	65
All Utilities in ERCOT								
Wheeling Received ¹	24,069	26,716	24,077	20,934	16,481	9,414	7,861	6,532
Wheeling Delivered ²	24,088	26,686	24,090	20,937	16,496	9,297	7,913	6,543
Wheeling Net.....	-19	31	-13	-2	-14	117	-53	-11
All Utilities in MAAC								
Wheeling Received ¹	11,789	13,132	9,868	5,842	5,774	8,385	7,482	6,665
Wheeling Delivered ²	11,720	13,030	9,779	5,842	5,774	8,360	7,465	7,226
Wheeling Net.....	69	103	88	—	—	24	16	-560
All Utilities in MAIN								
Wheeling Received ¹	4,877	5,018	3,489	3,819	1,451	1,215	1,915	2,071
Wheeling Delivered ²	4,810	4,951	3,404	3,739	1,414	1,205	1,906	2,017
Wheeling Net.....	67	67	85	80	37	10	10	54
All Utilities in MAPP								
Wheeling Received ¹	19,038	16,781	11,661	9,484	8,477	9,208	7,804	7,374
Wheeling Delivered ²	18,417	16,130	10,847	7,935	7,656	8,197	6,705	6,727
Wheeling Net.....	620	651	814	1,549	821	1,012	1,098	647
All Utilities in NPCC								
Wheeling Received ¹	68,883	67,815	60,687	57,173	48,613	42,897	38,365	20,486
Wheeling Delivered ²	68,587	67,553	60,495	56,925	48,399	42,351	38,089	20,011
Wheeling Net.....	296	262	191	248	214	546	276	475
All Utilities in SERC								
Wheeling Received ¹	25,134	27,132	27,211	28,457	29,291	22,726	12,354	11,039
Wheeling Delivered ²	23,514	25,324	25,408	27,447	28,174	21,885	11,743	9,966
Wheeling Net.....	1,620	1,808	1,803	1,010	1,117	841	611	1,073
All Utilities in SPP								
Wheeling Received ¹	23,545	25,528	21,749	22,150	27,091	19,591	20,089	10,156
Wheeling Delivered ²	23,448	25,419	21,639	22,078	26,985	19,924	19,956	9,818
Wheeling Net.....	97	109	110	72	105	-333	133	338
All Utilities in WSCC								
Wheeling Received ¹	127,915	137,931	127,514	144,466	152,097	164,824	157,755	118,925
Wheeling Delivered ²	126,672	136,489	125,023	142,592	148,388	163,623	157,682	118,995
Wheeling Net.....	1,243	1,441	2,492	1,874	3,708	1,200	74	-69
Contiguous U.S. Total								
Wheeling Received ¹	336,805	351,701	318,538	323,133	322,667	299,822	269,170	194,049
Wheeling Delivered ²	332,580	347,032	312,782	318,170	316,591	296,297	266,909	192,030
Wheeling Net.....	4,225	4,668	5,756	4,963	6,077	3,525	2,262	2,019

¹ Includes all transactions received from outside and within the region by utilities operating within the region.

² Includes all transactions delivered out of and within the region by utilities operating within the region.

—Not Applicable

Notes: •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. See glossary for a list of regions.

Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Compilation of Data

The Federal Government recognizes that wholesale trade data needs to be consolidated and automated. The EIA examined the data and initiated a process with the FERC to correct deficiencies. Responsibility for correcting errors and making contact with the FERC Form 1 respondents rests with the FERC. Principal among the problems with existing wholesale trade data are: (1) inconsistencies in reporting mutual transactions by buyers and sellers, (2) lack of uniformity and standardization in reporting, (3) lack of uniformity in reporting requirements among various forms including reporting periods, and (4) multiple and sometimes overlapping reporting and aggregation of individual transactions.

Many of these errors are identified by automated intraform range, arithmetic and logic checks, and interform consistency edits (for example, cross-checking between submissions of the respondents). The Technical Notes provide more information on data linkages, revisions, and correction procedures used in editing data on wholesale electricity trade. In addition, the corrections to these problems also serve as the foundation for future analytical work to improve reporting on EIA forms.

Limitations of Data Coverage, Reliability, and Quality

Electricity transactions have a wide range of terms and conditions designed to accommodate prevailing circumstances. Because of the lack of standardization in contract terminology, reporting of each transaction is not consistent across the industry. The lack of uniformity, combined with the complexity of the transactions, affects the accuracy of the data. This is further complicated by the accounting of simultaneous energy transactions, the receipt and delivery of energy caused by inadvertent flow, and the losses associated with transmission.

In developing the data base for ELECTRA, EIA has made a major effort to detect and correct respondent reporting errors data processing issues, and problems with data interpretation. However, some error correction issues cannot be addressed by EIA since they involve survey design, operations decisions, and quality control procedures beyond EIA's control. A discussion of the error detection methods and the correction process used by EIA is described in the Technical Notes to this publication. The data within ELECTRA come from survey filings that are available to the public from the respective agency that is responsible for the survey form.

The major sources of incompatibility between data collection forms include: (1) different reporting years, (2) different reporting requirements, (3) different

reporting of mutual transactions by purchasers and sellers, (4) lack of uniformity and standardization in the definitions of terms used in the industry, and (5) multiple reporting of individual transactions. The single greatest source of incompatibility is the different "reporting year" requirements of Form EIA-412 compared with the other forms. The annual data reported on Form EIA-412 by a public utility are based on that utility's fiscal year. The annual data reported on Form EIA-861, FERC Form 1, RUS Form 7, and RUS Form 12 are based on the calendar year.

The second largest source of incompatibility is the difference in reporting requirements among the forms. The four types of electric trade transactions and the forms used to collect them are as follows:

- Purchases--FERC Forms 1 and 1-F, Form EIA-412, RUS Form 7, RUS Form 12
- Sales for Resale--FERC Forms 1 and 1-F, Form EIA-412
- Exchanges--FERC Forms 1 and 1-F
- Wheeling--FERC Forms 1 and 1-F

Form EIA-861 is also used to gather information on all four types of transactions; the data, however, are submitted on energy flows rather than financial performance. EIA-861 data are at an aggregate level and do not identify buyers and sellers. These differences make it impossible to disaggregate the types of electric trade transactions across ownership classes for all forms. This publication provides significantly more complete information on the investor-owned utilities than other ownership classes because of the greater detail collected on FERC Form 1.

Data received from FERC, RUS, and FE can be inconsistent with similar data collected by EIA. Some data elements from the survey forms used are not consistent within the same respondent filing (aggregations of detailed information within individual schedules accounts do not equal summary schedule accounts). Therefore, the detailed transaction information was used for the basis of aggregation and comparison. In other cases, megawatthours or revenue data may not sum to the totals reported to EIA. EIA attempts to resolve such inconsistencies, which often are related on how accounting adjustments (both positive and negative for dollars and megawatthours) are treated or accepted under the regulatory oversight. When cross form consistency cannot be achieved, the data used in ELECTRA is as "reported."

The data on wholesale electricity trade are collected on Federal survey data forms that are accounting-system based. These forms were designed for regulatory purposes to meet administrative and rate case needs of individual utilities as opposed to overall aggregate industry statistical and analytical purposes.

Data for the Commonwealth of Puerto Rico and the U.S. Trust Territories are excluded in this publication. Geographical location and electrical system isolation limit the usefulness of any wholesale trade data from these areas.

Average Unit Cost and Unit Revenue

This publication presents annual summations of electricity transactions (energy) with the corresponding revenue and cost information. Dividing cost or revenue by the transaction quantity gives the average cost or average revenue per unit of energy. However, it does not necessarily indicate the price specified in contracts.

Wholesale sales are transaction-specific and lose relevance when aggregated to classes of ownership and geographic regions. The price that any one utility charges another for wholesale energy comprises numerous system-specific factors. For example, the price of purchased power can consist of demand charges, energy charges, and facility charges. A demand charge is a fixed charge determined according to the maximum capacity demanded by the purchasing utility during a specified period of time. Demand charges, being fixed, are unaffected by the number of kilowatthours of energy purchased; therefore, the average charge per kilowatthour decreases as the volume of energy sales increases.

In addition to demand charges, wholesale electricity transactions are frequently subject to facility charges that include transmission, generation, and other system operating charges. These charges typically vary by ownership class, system characteristics, and region.

Furthermore, demand charges and energy charges are affected by time of delivery, quantity of energy, and reliability of supply. Typically, energy delivered during peak periods costs more than energy delivered during off-peak periods. Firm power, which can have a level of reliability similar to that given to a supplier's customers, costs more than economy energy. Economy energy is interruptible on short notice and replaces the more expensive firm power energy that is available to the purchaser.

For electric trade transactions, the average revenue or cost per unit of energy, calculated by dividing the revenue or cost by the associated energy, is not a substitute for total price. Electric trade transactions are comprised of various energy transactions of different value. Differences in average revenue or cost per unit of energy may represent a difference in the operating conditions rather than a difference in price structure. The quantity and value numbers presented represent the summation of all trade in that category for a year. Individual prices associated with a particular trade, the impact of seasonal and peak usage, and contract specific conditions cannot be separated from the aggregate. The reader is cautioned against using unit revenue or cost as a substitute for true price.

Account Adjustments

Utilities must adjust the current year data to reflect not only the corrections in accounting for physical flows but also any regulatory and court decisions. Rate case rebates, meter adjustments, and inadvertent power flow corrections are examples of these changes.

Both negative and positive adjustments are present in the revenue, cost, and quantity of trade numbers. Negative and positive numbers in the interchange tables represent a direction of flow--positive is a receipt and negative is a delivery. In the purchased power and sales for resale tables, data (either positive or negative) represent either the booking of accounting adjustments or reversal in payments and energy flows.

Transmission of power from generating facilities under joint ownership can be reported in several ways. Typically, joint owners operate with interconnected transmission networks under mutually beneficial service agreements. The actual transfer of energy across transmission systems is usually considered a nonmonetary transaction and not a wholesale transaction. When a joint owner lacks an interconnected path to the generating facility, the actual flow of energy is subject to the transmission service of the wheeling third party, accounted for as a monetary transaction, and reported as "Transmission For Others."

In some of the tables, data categorized as "Other" include power pool data, international trade transactions, and any nonutility generated electricity purchased. This information is often reported in a manner that prevents the identification of the buyer and/or seller.

Appendices

Appendix A identifies the regulatory guidance provided by FERC through its Uniform System of Accounts and selected instructions provided on FERC Form 1.

Appendix B contains the location, NERC region, and data source of each utility for the 1994 filings used in this report. The information is presented by the utility forms: (1) FERC Form 1 and 1-F (Investor-Owned); (2) Form EIA-412 (Federal, State and Other Government Utilities, and Municipalities); (3) RUS Form 7 and RUS Form 12 (Cooperatives); (4) Form EIA-861 (Wheeling and Exchanges for Noninvestor-Owned Utilities); and (5) Energy Marketing (brokering-where ownership of power is transferred) Groups under FERC jurisdictional authority.

Appendix C contains a description of the fundamentals of electric power transmission, the control and operation of electric systems, and an overview of integrating NUGs into the power grid.

Technical Notes (Appendix D) describe the linkages and revisions made to the various data collection

systems used in preparing this publication. The Notes also explain data quality and correction procedures used. Copies of the collected data are available to the public. See "Obtaining Copies of the Data" in the Notes for further information.

Glossary

A glossary of terms has been included to assist non-technical as well as technical users in understanding the statistical data in this publication.

Table 8. Electricity Purchases by Investor-Owned Utilities, by NERC Region, 1994

Sellers by Ownership Class	Demand Charge Only ¹ (dollars)	Firm				Purchases (thousand kWh)
		Demand Cost (dollars)	Energy Cost (dollars)	Other Cost (dollars)	Total Cost (dollars)	
Investor-Owned Utilities in ECAR						
Investor-Owned	—	432,937,049	698,917,606	-12,463,115	1,119,391,540	35,853,473
Federal	—	23,086	2,843,622	—	2,866,708	117,044
State and Other						
Government	—	—	—	—	—	—
Municipals	—	29,050,042	26,745,952	-24,000	55,771,994	1,949,949
Cooperatives	—	2,167,114	16,951,000	20,020	19,138,134	812,429
Other ²	—	461,773,414	353,495,422	-689,758	814,579,078	19,541,191
Total	—	925,950,705	1,098,953,602	-13,156,853	2,011,747,454	58,274,086
Investor-Owned Utilities in ERCOT						
Investor-Owned	—	64,447,048	13,259,029	26,368,856	104,074,933	1,812,569
Federal	—	—	—	—	—	—
State and Other						
Government	—	6,859,758	13,035,068	3,610,774	23,505,600	692,604
Municipals	—	—	—	—	—	—
Cooperatives	—	—	—	—	—	—
Other ²	—	376,382,766	394,098,599	-57,259	770,424,106	14,834,819
Total	—	447,689,572	420,392,696	29,922,371	898,004,639	17,339,992
Investor-Owned Utilities in MAAC						
Investor-Owned	12,137,639	252,859,913	169,431,933	1,822,954	424,114,800	9,158,718
Federal	—	—	—	—	—	—
State and Other						
Government	—	324,796	216,263	—	541,059	43,529
Municipals	—	1,522	5,489	—	7,011	71
Cooperatives	—	—	—	—	—	—
Other ²	69,904	81,550,182	363,563,725	1,859,635	446,973,542	11,599,397
Total	12,207,543	334,736,413	533,217,410	3,682,589	871,636,412	20,801,715
Investor-Owned Utilities in MAIN						
Investor-Owned	1,640,000	113,657,946	370,833,621	-70,378	484,421,189	20,706,981
Federal	—	789,000	19,882,198	—	20,671,198	847,865
State and Other						
Government	—	—	—	—	—	—
Municipals	—	29,400	563,314	—	592,714	29,313
Cooperatives	—	3,674,100	10,617,949	—	14,292,049	711,037
Other ²	—	797,428	11,017,106	—	11,814,534	421,216
Total	1,640,000	118,947,874	412,914,188	-70,378	531,791,684	22,716,412
Investor-Owned Utilities in MAPP						
Investor-Owned	—	58,073,083	49,005,836	1,021,011	108,099,930	3,248,899
Federal	—	—	—	—	—	—
State and Other						
Government	1,380,000	10,500,000	6,740,242	—	17,240,242	608,261
Municipals	973,950	1,405,652	789,503	—	2,195,155	28,487
Cooperatives	283,874	68,231,580	30,500,341	455,528	99,187,449	3,580,410
Other ²	58,075	96,239,246	119,865,073	—	216,104,319	7,906,897
Total	2,695,899	234,449,561	206,900,995	1,476,539	442,827,095	15,372,954

See notes and footnotes at end of table.

Table 8. Electricity Purchases by Investor-Owned Utilities, by NERC Region, 1994
(Continued)

Sellers by Ownership Class	Nonfirm			Miscellaneous ²		Region Total	
	Energy Cost (dollars)	Other Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Investor-Owned Utilities in ECAR							
Investor-Owned	219,014,463	13,818,354	10,270,210	259,213,638	9,390,747	1,611,437,995	55,514,430
Federal	9,832,624	—	326,484	—	—	12,699,332	443,528
State and Other							
Government	2,960,718	5,971,263	191,397	—	—	8,931,981	191,397
Municipals	2,603,069	—	103,686	-2,400	760	58,372,663	2,054,395
Cooperatives	12,777,802	278,989	707,542	—	—	32,194,925	1,519,971
Other ³	510,891,246	-8,070	18,778,675	1,348,807	195,894	1,326,811,061	38,515,760
Total	758,079,922	20,060,536	30,377,994	260,560,045	9,587,401	3,050,447,957	98,239,481
Investor-Owned Utilities in ERCOT							
Investor-Owned	7,000,850	-73,776	298,926	4,867	286,484	111,006,874	2,397,979
Federal	815,503	—	56,352	—	—	815,503	56,352
State and Other							
Government	311,849	3,560	16,691	6,176	—	23,827,185	709,295
Municipals	3,376,340	80,815	141,653	6,698	—	3,463,853	141,653
Cooperatives	513,505	-97,064	35,194	1,683	—	418,124	35,194
Other ³	173,841,137	489,507	9,025,025	561,143	-141	945,315,893	23,859,703
Total	185,859,184	403,042	9,573,841	580,567	286,343	1,084,847,432	27,200,176
Investor-Owned Utilities in MAAC							
Investor-Owned	419,651,511	174,280,894	17,525,309	58,139,233	3,136,658	1,088,324,077	29,820,685
Federal	—	—	—	—	—	—	—
State and Other							
Government	3,565,229	—	221,896	—	—	4,106,288	265,425
Municipals	116,564,404	2,974	1,945,354	—	—	116,574,389	1,945,425
Cooperatives	3,027,750	—	191,832	5,538,905	—	8,566,655	191,832
Other ³	1,024,978,313	80,608,998	27,500,500	18,251,309	—	1,570,882,066	39,099,897
Total	1,567,787,207	254,892,866	47,384,891	81,929,447	3,136,658	2,788,453,475	71,323,264
Investor-Owned Utilities in MAIN							
Investor-Owned	186,070,493	3,293,809	11,858,609	-200,000	71	675,225,491	32,565,661
Federal	8,832,287	—	481,863	—	—	29,503,485	1,329,728
State and Other							
Government	—	—	—	—	—	—	—
Municipals	1,210,966	—	37,257	—	—	1,803,680	66,570
Cooperatives	7,916,002	6,081,000	397,627	—	209	28,289,051	1,108,873
Other ³	8,424,788	—	344,252	231,428	-339	20,470,750	765,129
Total	212,454,536	9,374,809	13,119,608	31,428	-59	755,292,457	35,835,961
Investor-Owned Utilities in MAPP							
Investor-Owned	57,478,390	—	3,265,014	221,748,663	5,602,051	387,326,983	12,115,964
Federal	13,576,082	—	791,061	-166,058	-1,172	13,410,024	789,889
State and Other							
Government	26,391,791	93,377,180	2,536,714	—	—	138,389,213	3,144,975
Municipals	7,610,485	—	465,719	—	—	10,779,590	494,206
Cooperatives	37,701,340	-2,234	2,401,838	180	—	137,170,609	5,982,248
Other ³	10,590,146	—	642,894	—	40,720	226,752,540	8,590,511
Total	153,348,234	93,374,946	10,103,240	221,582,785	5,641,599	913,828,959	31,117,793

See notes and footnotes at end of table.

Table 8. Electricity Purchases by Investor-Owned Utilities, by NERC Region, 1994
(Continued)

Sellers by Ownership Class	Demand Charge Only ¹ (dollars)	Firm				Purchases (thousand kWh)
		Demand Cost (dollars)	Energy Cost (dollars)	Other Cost (dollars)	Total Cost (dollars)	
Investor-Owned Utilities in NPCC						
Investor-Owned	12,415,413	1,513,069,323	799,530,024	248,924,055	2,561,523,402	45,223,432
Federal	—	—	—	—	—	—
State and Other						
Government	8,804,400	91,556,507	122,538,092	1,531,078	215,625,677	12,091,991
Municipals	-1,063	6,215,728	2,739,493	—	8,955,221	109,679
Cooperatives	—	313,958	455,778	—	769,736	30,395
Other ²	-1,630,588	442,450,901	388,688,392	106,850	831,246,143	15,608,140
Total	19,588,162	2,053,606,417	1,313,951,779	250,561,983	3,618,120,179	73,063,637
Investor-Owned Utilities in SERC						
Investor-Owned	5,520,000	198,975,041	130,038,303	-1,210,241	327,803,103	7,343,202
Federal	—	7,796,400	725,148	—	8,521,548	22,617
State and Other						
Government	—	23,478,560	16,611,301	—	40,089,861	869,022
Municipals	-186,490	511,165,411	138,480,037	3,109,495	652,754,943	10,648,294
Cooperatives	-139,867	315,303,980	89,762,005	638,734	405,704,719	5,339,100
Other ²	-738,900	984,126,377	826,968,220	11,843	1,811,106,440	33,854,815
Total	4,454,743	2,040,845,769	1,202,585,014	2,549,831	3,245,980,614	58,077,050
Investor-Owned Utilities in SPP						
Investor-Owned	10,835,452	553,104,650	56,627,258	-18,542	609,713,366	9,117,668
Federal	—	—	—	—	—	—
State and Other						
Government	—	338,688	52,416	—	391,104	13,440
Municipals	—	1,734,083	300,870	—	2,034,953	11,447
Cooperatives	—	14,831,226	13,863,866	—	28,695,092	693,653
Other ²	—	—	—	—	—	—
Total	10,835,452	570,008,647	70,844,410	-18,542	640,834,515	9,836,208
Investor-Owned Utilities in WSCC						
Investor-Owned	43,121,955	331,061,640	241,783,968	4,393,091	577,238,699	13,057,607
Federal	87,511,834	14,459,075	38,980,749	—	53,439,824	586,840
State and Other						
Government	900,000	77,454,444	85,230,513	22,890,011	185,574,968	4,004,471
Municipals	719,340	54,176,947	114,818,800	—	168,995,747	2,338,733
Cooperatives	72,450	119,570,569	89,299,618	—	208,870,187	5,772,956
Other ²	807,834	1,497,112,366	3,030,604,274	25,325,325	4,553,041,965	60,490,491
Total	133,133,413	2,093,835,041	3,600,717,922	52,608,427	5,747,161,390	86,251,098
Contiguous U.S. Total						
Investor-Owned	85,670,459	3,518,185,693	2,529,427,578	268,767,691	6,316,380,962	145,522,549
Federal	87,511,834	23,067,561	62,431,717	—	85,499,278	1,574,366
State and Other						
Government	11,084,400	210,512,753	244,423,895	28,031,863	482,968,511	18,323,318
Municipals	1,505,737	603,778,785	284,443,458	3,085,495	891,307,738	15,115,973
Cooperatives	216,457	524,092,527	251,450,557	1,114,282	776,657,366	16,939,980
Other ²	-1,433,675	3,940,432,680	5,488,300,811	26,556,636	9,455,290,127	164,256,966
Total	184,555,212	8,820,069,999	8,860,478,016	327,555,967	18,008,103,982	361,733,152

See notes and footnotes at end of table.

Table 8. Electricity Purchases by Investor-Owned Utilities, by NERC Region, 1994
(Continued)

Sellers by Ownership Class	Nonfirm			Miscellaneous ²		Region Total	
	Energy Cost (dollars)	Other Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Investor-Owned Utilities in NPCC							
Investor-Owned	437,768,124	507,315,255	29,064,947	-6,157	289,914	3,519,016,037	74,578,293
Federal	—	—	—	—	—	—	—
State and Other							
Government	146,722,286	221,176	3,674,769	—	—	371,373,539	15,766,760
Municipals	60,264,994	—	1,035,171	—	—	69,219,152	1,144,850
Cooperatives	502,904	9,622,706	136,464	—	—	10,895,346	166,859
Other ³	2,929,666,870	103,658,340	61,720,968	-2,823,907	44,907	3,860,116,858	77,374,015
Total	3,574,925,178	620,817,477	95,632,319	-2,830,064	334,821	7,830,620,932	169,030,777
Investor-Owned Utilities in SERC							
Investor-Owned	337,868,720	23,053	12,397,541	—	-157,400	671,214,876	19,583,343
Federal	5,280,196	—	256,471	—	15,380	13,801,744	294,468
State and Other							
Government	127,221,331	-23,246,274	1,951,468	—	23,417	144,064,918	2,843,907
Municipals	15,146,247	-139,215	792,628	209,160	—	667,784,645	11,440,922
Cooperatives	100,909,403	6,946	3,735,296	—	—	506,481,201	9,074,396
Other ³	179,548,406	5,917,359	7,945,645	—	140,646	1,995,833,305	41,941,106
Total	765,974,303	-17,438,131	27,079,049	209,160	22,043	3,999,180,689	85,178,142
Investor-Owned Utilities in SPP							
Investor-Owned	91,682,470	3,567,685	5,270,959	171,996	4,491	715,970,969	14,393,118
Federal	40,521,899	—	2,129,398	752	40	40,522,651	2,129,438
State and Other							
Government	22,018,177	3,681,370	1,415,161	3,544,277	148,270	29,634,928	1,576,871
Municipals	2,006,281	1,577,800	95,857	4,577	50,797	5,623,611	158,101
Cooperatives	126,883,873	9,256,250	6,525,883	36,857	1,098,192	164,872,072	8,317,728
Other ³	539,082,846	216,886,895	25,245,618	5,107,651	315,557	761,077,392	25,561,175
Total	822,195,546	234,970,000	40,682,876	8,866,110	1,617,347	1,717,701,623	52,136,431
Investor-Owned Utilities in WSCC							
Investor-Owned	350,091,500	636,929	15,623,473	20,832,144	1,009,659	991,921,227	29,690,739
Federal	172,875,898	978,233	6,074,245	34,327	—	314,840,116	6,661,085
State and Other							
Government	268,433,743	13,531,439	16,886,949	40,139,603	2,706,490	508,579,755	23,597,910
Municipals	93,905,411	1,577,500	3,979,199	-8,774,265	-28,865	255,003,733	6,289,067
Cooperatives	43,383,072	5,120	2,279,674	93,348	-299	252,424,177	8,052,331
Other ³	324,829,197	-287,445	7,692,492	4,001,151	59	4,882,392,702	68,183,042
Total	1,253,518,821	15,021,776	52,536,032	56,326,310	3,687,044	7,205,161,710	142,474,174
Contiguous U.S. Total							
Investor-Owned	2,106,626,521	702,862,203	105,574,988	559,904,384	19,562,675	9,771,444,529	270,660,212
Federal	251,734,489	978,233	10,115,874	-130,979	14,248	425,592,855	11,704,488
State and Other							
Government	597,625,124	93,539,714	26,895,045	43,690,058	2,878,177	1,228,907,807	48,096,540
Municipals	302,688,197	1,679,874	8,596,524	-8,556,230	22,692	1,188,625,316	23,735,189
Cooperatives	333,615,651	25,151,713	16,411,350	5,670,973	1,098,102	1,141,312,160	34,449,432
Other ³	5,701,852,949	407,265,584	158,896,069	26,677,582	737,303	15,589,652,567	323,890,338
Total	9,294,142,931	1,231,477,321	326,489,850	627,255,788	24,313,197	29,345,535,234	712,536,199

¹ Monetary settlements from contracts where electricity is not taken.

² Includes other transactions involving line and substation rentals, system support charges, and special contract transactions.

³ Includes transactions with power pools, utilities in Canada and Mexico, power marketers, and nonutilities.

—Not Applicable

Notes: •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 9. Electricity Sales for Resale by Investor-Owned Utilities, by NERC Region, 1994

Purchasers by Ownership Class	Demand Charge Only ¹ (dollars)	Firm				Sales (thousand kWh)
		Demand Revenue (dollars)	Energy Revenue (dollars)	Other Revenue (dollars)	Total Revenue (dollars)	
Investor-Owned Utilities in ECAR						
Investor-Owned	5,815,729	628,292,336	888,332,584	-14,011,664	1,502,613,256	55,731,660
Federal	—	—	—	—	—	—
State and Other						
Government	—	24,632,543	31,028,016	-1,034,591	54,625,968	1,875,185
Municipals	1,844,027	207,958,550	246,949,029	-15,823,309	439,084,270	12,629,583
Cooperatives	7,500	69,814,621	69,851,195	-3,441,974	136,223,842	3,741,275
Other ²	—	21,925,328	55,595,063	-54,587	77,465,804	3,181,328
Total	7,667,256	952,623,378	1,291,755,887	-34,366,125	2,210,013,140	77,159,031
Investor-Owned Utilities in ERCOT						
Investor-Owned	—	77,268,764	14,377,641	28,698,319	120,344,724	1,751,531
Federal	—	—	—	—	—	—
State and Other						
Government	—	—	—	—	—	—
Municipals	—	2,652,445	3,604,671	233,510	6,490,626	164,950
Cooperatives	—	105,892,236	59,505,994	38,687,213	204,085,443	3,982,455
Other ²	—	36,477	41,532	5,066	83,075	1,601
Total	—	185,849,922	77,529,838	67,624,108	331,003,868	5,900,537
Investor-Owned Utilities in MAAC						
Investor-Owned	—	47,105,907	23,836,719	-1,125,008	69,817,618	1,146,572
Federal	—	—	—	—	—	—
State and Other						
Government	—	—	—	—	—	—
Municipals	—	37,414,554	49,115,201	-1,029,087	85,500,668	1,910,486
Cooperatives	—	103,182,056	109,367,602	-3,336,141	209,213,517	4,268,855
Other ²	—	12,694,989	51,625,773	—	64,320,762	2,668,568
Total	—	200,397,506	233,945,295	-5,490,236	428,852,565	9,994,481
Investor-Owned Utilities in MAIN						
Investor-Owned	—	128,486,392	255,792,828	-1,760,880	382,518,340	12,677,268
Federal	—	—	—	—	—	—
State and Other						
Government	—	—	—	—	—	—
Municipals	—	97,187,772	164,958,806	-14,033,866	248,112,712	6,603,988
Cooperatives	—	65,070,117	54,228,298	547,754	119,846,169	3,021,138
Other ²	180,000	334,000	925,170	—	1,259,170	40,597
Total	180,000	291,078,281	475,905,102	-15,246,992	751,736,391	22,342,991
Investor-Owned Utilities in MAPP						
Investor-Owned	5,000	45,586,958	65,935,921	-516,516	111,006,363	4,474,699
Federal	—	153,660	335,634	86,393	575,687	22,988
State and Other						
Government	—	—	—	—	—	—
Municipals	—	52,555,123	61,914,953	3,857,772	118,327,848	3,362,904
Cooperatives	12,640	612,607	207,694	203,287	1,023,588	21,183
Other ²	—	334,736	362,625	792	698,153	27,532
Total	17,640	99,243,084	128,756,827	3,631,728	231,631,639	7,909,306

See notes and footnotes at end of table.

Table 9. Electricity Sales for Resale by Investor-Owned Utilities, by NERC Region, 1994
(Continued)

Purchasers by Ownership Class	Nonfirm			Miscellaneous ²		Region Total	
	Energy Revenue (dollars)	Other Revenue (dollars)	Sales (thousand kWh)	Revenue (dollars)	Sales (thousand kWh)	Revenue (dollars)	Sales (thousand kWh)
Investor-Owned Utilities in ECAR							
Investor-Owned	469,832,706	42,641,614	15,548,769	90,293,375	—	2,111,196,680	71,280,429
Federal	14,153,273	—	759,508	—	—	14,153,273	759,508
State and Other							
Government	1,351,965	—	59,553	—	—	55,977,933	1,934,738
Municipals	24,279,352	1,108,431	1,015,274	—	—	466,316,080	13,644,857
Cooperatives	20,575,177	1,859,457	1,140,483	—	—	158,665,976	4,881,758
Other ³	497,045,873	—	18,815,301	-4,302	-51	574,507,375	21,996,578
Total	1,027,238,346	45,609,502	37,338,888	90,289,073	-51	3,380,817,317	114,497,868
Investor-Owned Utilities in ERCOT							
Investor-Owned	10,306,202	987,344	491,955	17,043	—	131,655,313	2,243,486
Federal	—	—	—	—	—	—	—
State and Other							
Government	1,633,351	—	73,266	7,716	—	1,641,067	73,266
Municipals	23,674,852	760,032	1,113,560	141,684	—	31,067,194	1,278,510
Cooperatives	9,998,716	—	533,743	289,824	—	214,373,983	4,516,198
Other ³	14,162,026	1,906,055	703,874	1,898,222	—	18,049,378	705,475
Total	59,775,147	3,653,431	2,916,398	2,354,489	—	396,786,935	8,816,935
Investor-Owned Utilities in MAAC							
Investor-Owned	367,398,310	229,480,588	17,957,545	34,959,306	3,115,152	701,655,822	22,219,269
Federal	—	—	—	—	—	—	—
State and Other							
Government	3,302,484	—	147,756	—	—	3,302,484	147,756
Municipals	22,215,254	5,569,272	929,850	-23,616	—	113,261,578	2,840,336
Cooperatives	3,438,007	—	173,453	—	—	212,651,524	4,442,308
Other ³	308,464,636	73,097	12,932,166	53,679,508	799,837	426,538,003	16,400,571
Total	704,818,691	235,122,957	32,140,770	88,615,198	3,914,989	1,457,409,411	46,050,240
Investor-Owned Utilities in MAIN							
Investor-Owned	208,037,481	1,670,000	12,879,960	—	14,442	592,225,821	25,571,670
Federal	25,811,530	—	1,883,943	—	—	25,811,530	1,883,943
State and Other							
Government	—	—	—	—	—	—	—
Municipals	48,300,507	1,325,000	1,561,844	—	—	297,738,219	8,165,832
Cooperatives	30,356,527	—	1,030,516	—	—	150,202,696	4,051,654
Other ³	35,912,451	—	2,070,134	23,000	-162	37,374,621	2,110,569
Total	348,418,496	2,995,000	19,426,397	23,000	14,280	1,103,352,887	41,783,668
Investor-Owned Utilities in MAPP							
Investor-Owned	85,334,981	—	5,206,578	221,880,292	5,602,051	418,226,636	15,283,328
Federal	3,963,553	—	283,884	—	—	4,539,240	306,872
State and Other							
Government	4,612,447	—	257,271	—	—	4,612,447	257,271
Municipals	15,890,696	—	964,303	—	—	134,218,544	4,327,207
Cooperatives	18,559,458	—	1,244,923	—	—	19,595,686	1,266,106
Other ³	3,498,231	—	248,479	—	—	4,196,384	276,011
Total	131,859,366	—	8,205,438	221,880,292	5,602,051	585,388,937	21,716,795

See notes and footnotes at end of table.

Table 9. Electricity Sales for Resale by Investor-Owned Utilities, by NERC Region, 1994
(Continued)

Purchasers by Ownership Class	Demand Charge Only ¹ (dollars)	Firm				Sales (thousand kWh)
		Demand Revenue (dollars)	Energy Revenue (dollars)	Other Revenue (dollars)	Total Revenue (dollars)	
Investor-Owned Utilities in NPCC						
Investor-Owned	828,207	1,535,780,127	817,519,919	259,120,055	2,612,420,101	47,435,461
Federal	—	—	—	—	—	—
State and Other						
Government	4,386	3,789,663	4,028,344	387,581	8,205,588	193,980
Municipals	105,437	101,326,180	59,305,720	8,388,402	169,020,302	3,205,055
Cooperatives	2,440	22,560,539	32,018,151	1,912,980	56,491,670	775,765
Other ²	—	23,682,771	26,902,423	328,197	50,913,391	1,374,593
Total	940,470	1,687,139,280	939,774,557	270,137,215	2,897,051,052	52,984,854
Investor-Owned Utilities in SERC						
Investor-Owned	203,256	215,339,636	159,994,619	-1,400,990	373,933,265	7,317,975
Federal	100,000	—	—	—	—	—
State and Other						
Government	—	1,883,487	2,394,401	-18,532	4,259,356	122,390
Municipals	116,484	364,114,267	261,832,174	11,463,500	637,409,941	14,699,449
Cooperatives	—	433,527,048	202,331,843	19,180,746	655,039,637	11,510,375
Other ²	—	16,121,957	32,576,105	84,400	48,782,462	1,583,357
Total	419,740	1,030,986,395	659,129,142	29,309,124	1,719,424,661	35,233,546
Investor-Owned Utilities in SPP						
Investor-Owned	—	43,331,113	13,264,148	8,038,837	64,634,098	1,874,826
Federal	—	1,117,747	1,525,443	127,703	2,770,893	66,044
State and Other						
Government	190,960	10,940,718	11,089,054	1,202,499	23,232,271	491,221
Municipals	141,072	57,383,960	112,984,806	11,082,080	181,450,846	5,282,858
Cooperatives	—	135,587,333	128,257,456	76,385,825	340,230,614	10,890,519
Other ²	—	332,420	—	1,700,344	2,032,764	59,410
Total	332,032	248,693,291	267,120,907	98,537,288	614,351,486	18,664,878
Investor-Owned Utilities in WSCC						
Investor-Owned	11,581,930	318,633,497	241,573,879	1,975,523	562,182,899	13,874,018
Federal	18,276,819	24,150,442	31,717,192	-68,011	55,799,623	1,148,462
State and Other						
Government	5,926,072	149,253,355	110,901,232	11,766,108	271,920,695	4,702,359
Municipals	1,057,278	103,252,063	91,658,375	881,913	195,792,351	4,072,381
Cooperatives	320	57,617,314	53,190,190	-6,801,636	104,005,868	2,522,408
Other ²	340,850	46,127,473	14,149,872	15,289,450	75,566,795	1,574,412
Total	37,183,269	699,034,144	543,190,740	23,043,347	1,265,268,231	27,894,040
Contiguous U.S. Total						
Investor-Owned	18,434,122	3,039,824,730	2,480,628,258	279,017,676	5,799,470,664	146,284,010
Federal	18,376,819	25,421,849	33,578,269	146,085	59,146,203	1,237,494
State and Other						
Government	6,121,418	190,499,766	159,441,047	12,303,065	362,243,878	7,385,135
Municipals	3,264,298	1,023,844,914	1,052,323,735	5,020,915	2,081,189,564	51,931,654
Cooperatives	22,900	993,863,871	708,958,423	123,338,054	1,826,160,348	40,733,973
Other ²	520,850	121,590,151	182,178,563	17,353,662	321,122,376	10,511,398
Total	46,740,407	5,395,045,281	4,617,108,295	437,179,457	10,449,333,033	258,083,664

See notes and footnotes at end of table.

Table 9. Electricity Sales for Resale by Investor-Owned Utilities, by NERC Region, 1994
(Continued)

Purchasers by Ownership Class	Nonfirm			Miscellaneous ²		Region Total	
	Energy Revenue (dollars)	Other Revenue (dollars)	Sales (thousand kWh)	Revenue (dollars)	Sales (thousand kWh)	Revenue (dollars)	Sales (thousand kWh)
Investor-Owned Utilities in NPCC							
Investor-Owned	400,324,462	428,253,698	21,796,966	186,875,572	5,354,993	3,628,702,040	74,587,420
Federal	—	—	—	—	—	—	—
State and Other							
Government	23,197,648	5,955,601	1,230,712	2,898,370	350	40,261,593	1,425,042
Municipals	14,802,494	9,583,172	667,743	-136,455	470	193,374,950	3,873,268
Cooperatives	134,520	48,085	1,230	—	—	56,676,715	776,995
Other ³	362,361,965	78,082,144	19,613,922	22,393,195	783,687	513,750,695	21,772,202
Total	800,821,089	521,922,700	43,310,573	212,030,682	6,139,500	4,432,765,993	102,434,927
Investor-Owned Utilities in SERC							
Investor-Owned	991,789,468	-1,006,971	23,263,400	184,054	11,216	1,365,103,072	30,592,591
Federal	32,223,333	—	1,110,416	—	—	32,323,333	1,110,416
State and Other							
Government	14,063,303	-19,812,715	-528,319	—	—	-1,490,056	-405,929
Municipals	200,426,291	-7,126,444	5,048,665	4,976,366	461	835,802,638	19,748,575
Cooperatives	365,795,505	26,379,996	8,768,689	—	—	1,047,215,138	20,279,064
Other ³	266,967,174	5,718,613	13,174,773	-1,581,405	501,397	319,886,844	15,259,527
Total	1,871,265,074	4,152,479	50,837,624	3,579,015	513,074	3,598,840,969	86,584,244
Investor-Owned Utilities in SPP							
Investor-Owned	177,242,674	521,739	7,756,710	94,357	82	242,492,868	9,631,618
Federal	900,489	-197,217	26,496	—	—	3,474,165	92,540
State and Other							
Government	6,721,229	—	287,901	481,565	3,764	30,626,025	782,886
Municipals	27,335,542	5,675,244	1,310,997	2,705,585	106,520	217,308,289	6,700,375
Cooperatives	26,237,430	—	1,796,167	—	—	366,468,044	12,686,686
Other ³	471,132,581	428,409	19,969,236	76,179	2,101	473,669,933	20,030,747
Total	709,569,945	6,428,175	31,147,507	3,357,686	112,467	1,334,039,324	49,924,852
Investor-Owned Utilities in WSCC							
Investor-Owned	346,819,228	38,277	15,357,394	14,791,546	24,999	935,413,880	29,256,411
Federal	201,511,930	—	7,879,281	—	—	275,588,372	9,027,743
State and Other							
Government	80,013,199	27,234	3,611,529	1,691	—	357,888,891	8,313,888
Municipals	38,258,120	63,575	1,651,893	202,820	—	235,374,144	5,724,274
Cooperatives	14,635,101	427,167	639,809	7,457	—	119,075,913	3,162,217
Other ³	18,769,257	—	815,310	-727,456	-3,900	93,949,446	2,385,822
Total	700,006,835	556,253	29,955,216	14,276,058	21,099	2,017,290,646	57,870,355
Contiguous U.S. Total							
Investor-Owned	3,057,085,512	702,586,289	120,259,277	549,095,545	14,122,935	10,126,672,132	280,666,222
Federal	278,564,108	-197,217	11,943,528	—	—	355,889,913	13,181,022
State and Other							
Government	134,895,626	-13,829,880	5,139,669	3,389,342	4,114	492,820,384	12,528,918
Municipals	415,183,108	16,958,282	14,264,129	7,866,384	107,451	2,524,461,636	66,303,234
Cooperatives	489,730,441	28,714,705	15,329,013	297,281	—	2,344,925,675	56,062,986
Other ³	1,978,314,194	86,208,318	88,343,195	75,756,941	2,082,909	2,461,922,679	100,937,502
Total	6,353,772,989	820,440,497	255,278,811	636,405,493	16,317,409	18,306,692,419	529,679,884

¹ Monetary settlements from contracts where electricity is not taken.

² Includes other transactions involving line and substation rentals, system support charges, and special contract transactions.

³ Includes transactions with power pools, utilities in Canada and Mexico, power marketers, and nonutilities.

—Not Applicable

Notes: •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 10. Investor-Owned Utility Exchanges of Electricity with All Ownership Classes, by NERC Region, 1994

Exchange by Investor-Owned Utilities with Other Utilities	Received ¹ (thousand kWh)	Delivered ² (thousand kWh)	Demand Charge (dollars)	Energy Charge (dollars)	Other Charge (dollars)	Settlement (dollars)
Investor-Owned Utilities in ECAR						
Investor-Owned	1,084,821	1,242,260	649,666	227,726	60,759	938,151
Federal	270,649	266,107	—	—	—	—
State and Other						
Government	—	—	—	—	—	—
Municipals	21,122	32,148	—	63,979	7,110	71,089
Cooperatives	144,323	233,435	—	—	18,004	18,004
Other ³	152,730	287,933	—	-4,071,480	—	-4,071,480
Total	1,673,645	2,061,883	649,666	-3,779,775	85,873	-3,044,236
Investor-Owned Utilities in ERCOT						
Investor-Owned	20,286,106	21,035,932	—	—	-5,568	-5,568
Federal	—	—	—	—	—	—
State and Other						
Government	116,146	1,838,013	—	—	—	—
Municipals	8,833,583	10,238,932	—	—	—	—
Cooperatives	64,446	63,267	—	—	36,759	36,759
Other ³	3,877,016	—	—	-15,662,777	—	-15,662,777
Total	33,177,297	33,176,144	—	-15,662,777	31,191	-15,631,586
Investor-Owned Utilities in MAAC						
Investor-Owned	—	—	—	—	—	—
Federal	—	—	—	—	—	—
State and Other						
Government	—	—	—	—	—	—
Municipals	—	—	—	—	—	—
Cooperatives	—	—	—	—	—	—
Other ³	—	—	—	—	—	—
Total	—	—	—	—	—	—
Investor-Owned Utilities in MAIN						
Investor-Owned	191,358	8,629	—	3,769,857	12,236	3,782,093
Federal	—	—	—	—	—	—
State and Other						
Government	—	—	—	—	—	—
Municipals	8,348	17,036	—	-120,001	24,748	-95,253
Cooperatives	—	—	—	—	—	—
Other ³	278	923	—	4,988	—	4,988
Total	199,984	26,588	—	3,654,844	36,984	3,691,828
Investor-Owned Utilities in MAPP						
Investor-Owned	33,324	27,954	—	—	—	—
Federal	11,008	21,387	—	—	—	—
State and Other						
Government	7,292	—	—	—	—	—
Municipals	—	—	—	—	—	—
Cooperatives	—	—	—	—	—	—
Other ³	—	102,532	—	—	—	—
Total	51,624	151,873	—	—	—	—

See notes and footnotes at end of table.

Table 10. Investor-Owned Utility Exchanges of Electricity with All Ownership Classes, by NERC Region, 1994 (Continued)

Exchange by Investor-Owned Utilities with Other Utilities	Received ¹ (thousand kWh)	Delivered ² (thousand kWh)	Demand Charge (dollars)	Energy Charge (dollars)	Other Charge (dollars)	Settlement (dollars)
Investor-Owned Utilities in NPCC						
Investor-Owned	526,631	136,481	—	73,168	8,118,657	8,191,825
Federal	—	—	—	—	—	—
State and Other						
Government	367,556	557,517	8,432,400	—	—	8,432,400
Municipals	10,798	14,896	—	—	—	—
Cooperatives	—	—	—	—	—	—
Other ³	77,886	5,968	—	—	502,286	502,286
Total	982,871	714,862	8,432,400	73,168	8,620,943	17,126,511
Investor-Owned Utilities in SERC						
Investor-Owned	1,046,033	1,060,078	—	—	—	—
Federal	14,249	14,385	—	—	—	—
State and Other						
Government	—	—	—	—	—	—
Municipals	1,247,261	1,067,401	—	—	1,753,238	1,753,238
Cooperatives	1,917,386	1,604,583	—	—	2,371,305	2,371,305
Other ³	1,154,340	879,289	—	1,007,750	—	1,007,750
Total	5,379,269	4,625,736	—	1,007,750	4,124,543	5,132,293
Investor-Owned Utilities in SPP						
Investor-Owned	30,830	30,747	1,130,000	—	625	1,130,625
Federal	126,956	128,841	72,403	—	—	72,403
State and Other						
Government	760,199	757,125	—	—	—	—
Municipals	—	—	—	—	—	—
Cooperatives	70,729	67,904	—	23,647	—	23,647
Other ³	1,119,722	1,073,605	—	—	—	—
Total	2,108,436	2,058,222	1,202,403	23,647	625	1,226,675
Investor-Owned Utilities in WSCC						
Investor-Owned	3,997,773	3,776,722	—	-3,839,107	2,315,224	-1,523,883
Federal	16,549,516	17,445,078	301,341	35,767,379	-34,698,692	1,370,028
State and Other						
Government	467,870	495,983	—	—	-649,956	-649,956
Municipals	404,133	383,441	—	1,228,038	-728,937	499,101
Cooperatives	211,959	124,943	—	—	-23,177	-23,177
Other ³	205,946	321,754	—	2,098,386	-46,130	2,052,256
Total	21,837,197	22,547,921	301,341	35,254,696	-33,831,668	1,724,369
Contiguous U.S. Total						
Investor-Owned	27,196,876	27,318,803	1,779,666	231,644	10,501,933	12,513,243
Federal	16,972,378	17,875,798	373,744	35,767,379	-34,698,692	1,442,431
State and Other						
Government	1,719,063	3,648,638	8,432,400	—	-649,956	7,782,444
Municipals	10,525,245	11,753,854	—	1,172,016	1,056,159	2,228,175
Cooperatives	2,408,843	2,094,132	—	23,647	2,402,891	2,426,538
Other ³	6,587,918	2,672,004	—	-16,623,133	456,156	-16,166,977
Total	65,410,323	65,363,229	10,585,810	20,571,553	-20,931,509	10,225,854

¹ Includes all transactions received from outside and within the region by utilities operating within the region.

² Includes all transactions delivered out of and within the region by utilities operating within the region.

³ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •The States of Alaska and Hawaii are not included. •The terms of settlement may include transferring and/or exchanging quantities of electricity with no dollar value assigned. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 11. Noninvestor-Owned Utility Exchanges of Electricity, by NERC Region, 1994
(Million Kilowatthours)

Exchanges with Other Utilities	NERC Region of Noninvestor-Owned Utility									Contiguous U.S. Total
	ECAR	ERCOT	MAAC	MAIN	MAPP	NPCC	SERC	SPP	WSCC	
Federal										
Received ¹	—	—	—	—	—	—	25,957	535	14,590	41,082
Delivered ²	—	—	—	—	—	—	26,706	502	21,772	48,979
Net.....	—	—	—	—	—	—	-749	33	-7,182	-7,898
State and Other										
Government										
Received ¹	—	—	—	—	1	1,094	36	135	3,652	4,918
Delivered ²	10	—	—	—	19	281	43	157	1,776	2,286
Net.....	-10	—	—	—	-19	814	-8	-22	1,876	2,632
Municipals										
Received ¹	13	1,490	181	—	10	1,535	891	1,318	6,077	11,515
Delivered ²	119	1,474	2	—	15	400	335	1,115	8,158	11,617
Net.....	-106	16	179	—	-4	1,136	557	203	-2,081	-102
Cooperatives										
Received ¹	296	20,455	—	302	1,966	—	30	391	1,549	24,989
Delivered ²	321	20,710	—	258	2,137	—	42	339	1,537	25,342
Net.....	-25	-255	—	44	-171	—	-11	52	12	-353
Region Total										
Received ¹	308	21,945	181	302	1,976	2,629	26,914	2,379	25,868	82,503
Delivered ²	449	22,184	2	258	2,171	680	27,126	2,112	33,242	88,225
Net.....	-141	-239	179	44	-194	1,949	-212	267	-7,374	-5,721

¹ Includes all transactions received from outside and within the region by utilities operating within the region.

² Includes all transactions delivered out of and within the region by utilities operating within the region.

—Not Applicable

Notes: •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska System Coordinating Council is not included. See glossary for a complete list of regions. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table 12. Electricity Wheeling for All Ownership Classes by Investor-Owned Utilities, by NERC Region, 1994

Wheeling through Investor-Owned Utility Service Territories	NERC Region of Investor-Owned Utility									Contiguous U.S. Total
	ECAR	ERCOT	MAAC	MAIN	MAPP	NPCC	SERC	SPP	WSCC	
Investor-Owned										
Wheeled Energy										
Rec. (thousand kWh)	4,905,916	15,254,312	7,422,104	630,140	7,655,831	31,511,847	648,486	2,539,293	11,819,620	82,387,549
Del. (thousand kWh)	4,861,149	15,254,312	7,422,104	624,990	7,991,702	31,637,494	640,988	2,534,408	11,666,932	82,634,079
Revenue										
Demand (dollars)	7,383,639	24,619,354	7,837,553	3,552,244	5,689,960	63,412,702	7,066,958	7,386,867	23,455,164	150,404,441
Energy (dollars)	4,119,174	108,965	1,104,770	779,038	2,190,170	14,859,261	1,484,164	698,132	11,041,605	36,385,279
Other (dollars)	19,336,170	3,142,254	11,420,100	590,272	326,484	44,775,504	672,418	-452,280	4,617,728	84,428,650
Total (dollars)	30,838,983	27,870,573	20,362,423	4,921,554	8,206,614	123,047,467	9,223,540	7,632,719	39,114,497	271,218,370
Federal Authorities										
Wheeled Energy										
Rec. (thousand kWh)	9,735	—	—	—	1,338,750	—	3,859,973	96,128	16,181,803	21,486,389
Del. (thousand kWh)	9,251	—	—	—	1,040,544	—	2,646,437	96,128	15,788,604	19,580,964
Revenue										
Demand (dollars)	308,016	—	—	—	713,688	—	9,964,181	99,528	42,672,542	53,757,955
Energy (dollars)	65,004	—	—	—	498,729	—	2,940,966	—	6,865,225	10,369,924
Other (dollars)	—	—	—	—	—	—	1,486,307	681,277	1,920,257	4,087,841
Total (dollars)	373,020	—	—	—	1,212,417	—	14,391,454	780,805	51,458,024	68,215,720
State and Other										
Government										
Wheeled Energy										
Rec. (thousand kWh)	1,228,396	78,171	—	—	1,135,938	13,071,853	17,155	3,016,393	21,064,999	39,612,905
Del. (thousand kWh)	1,203,020	78,171	—	—	1,074,384	13,087,303	17,155	3,010,512	20,868,288	39,338,833
Revenue										
Demand (dollars)	2,086,482	274,201	—	—	601,571	20,437,182	—	9,562,911	28,941,143	61,903,490
Energy (dollars)	600,649	21,451	—	—	524,780	250,656,444	—	103,032	9,844,546	261,750,902
Other (dollars)	503,387	724,397	—	—	108,661	8,685,410	1,845,261	1,214,643	1,239,781	14,321,540
Total (dollars)	3,190,518	1,020,049	—	—	1,235,012	279,779,036	1,845,261	10,880,586	40,025,470	337,975,932
Municipals										
Wheeled Energy										
Rec. (thousand kWh)	4,029,428	3,360,757	698,777	2,875,898	1,887,213	5,846,656	3,353,410	2,809,420	11,910,249	36,771,808
Del. (thousand kWh)	3,892,124	3,360,757	698,777	2,858,761	1,709,500	5,881,375	3,278,459	2,809,420	11,798,808	36,287,981
Revenue										
Demand (dollars)	16,698,820	3,512,011	4,529,995	9,533,834	4,442,519	9,484,677	11,284,606	7,141,126	34,242,141	100,869,729
Energy (dollars)	2,713,145	103,254	—	955,759	1,695,151	34,547	5,761,642	307,249	2,147,219	13,717,966
Other (dollars)	1,871,998	2,227,959	9,420	162,602	700,205	4,194,137	8,766,459	216,249	751,227	18,900,256
Total (dollars)	21,283,963	5,843,224	4,539,415	10,652,195	6,837,875	13,713,361	25,812,707	7,664,624	37,140,587	133,487,951
Cooperatives										
Wheeled Energy										
Rec. (thousand kWh)	13,686,849	1,776,113	2,385,179	1,249,519	4,718,239	444,604	6,903,979	13,573,752	4,786,015	49,524,249
Del. (thousand kWh)	13,560,503	1,776,113	2,315,829	1,207,052	4,610,009	433,121	6,764,501	13,542,768	4,771,571	48,981,467
Revenue										
Demand (dollars)	25,087,192	7,897,922	8,875,406	6,726,142	581,905	1,290,062	24,871,543	44,766,303	9,175,807	129,272,282
Energy (dollars)	2,019,767	49,667	—	—	1,372,409	—	17,537,203	1,554,431	2,133,141	24,666,618
Other (dollars)	5,812,974	81,671	—	407,672	150,342	304,336	—	12,107,065	1,290,238	20,154,298
Total (dollars)	32,919,933	8,029,260	8,875,406	7,133,814	2,104,656	1,594,398	42,408,746	58,427,799	12,599,186	174,093,198
Other¹										
Wheeled Energy										
Rec. (thousand kWh)	2,397,362	5,369,417	1,282,793	—	935,664	11,950,311	1,628,393	163,186	1,051,421	24,778,547
Del. (thousand kWh)	2,510,867	5,387,085	1,282,793	—	706,005	12,743,367	1,579,783	163,186	1,055,690	25,428,776
Revenue										
Demand (dollars)	5,779,480	1,331,312	3,201,354	—	1,099,406	15,177,199	3,061,584	32,046	3,327,469	33,009,850
Energy (dollars)	2,620,032	—	—	—	31,380	2,706,715	2,277,831	219,069	762,804	8,617,831
Other (dollars)	363,401	4,448,051	1,312,313	—	113,364	112,864,871	205,102	29,138,773	1,019,057	149,464,932
Total (dollars)	8,762,913	5,779,363	4,513,667	—	1,244,150	130,748,785	5,544,517	29,389,888	5,109,330	191,092,613
Region Total										
Wheeled Energy										
Rec. (thousand kWh)	26,257,686	25,838,770	11,788,853	4,755,557	17,671,635	62,825,271	16,411,396	22,198,172	66,814,107	254,561,447
Del. (thousand kWh)	26,036,914	25,856,438	11,719,503	4,690,803	17,132,144	63,782,660	14,927,323	22,156,422	65,949,893	252,252,100
Revenue										
Demand (dollars)	57,343,629	37,634,800	24,444,308	19,812,220	13,129,049	109,801,822	56,248,872	68,988,781	141,814,266	529,217,747
Energy (dollars)	12,137,771	283,337	1,104,770	1,734,797	6,312,619	268,256,967	30,001,806	2,881,913	32,794,540	355,508,520
Other (dollars)	27,887,930	10,624,332	12,741,833	1,160,546	1,399,056	170,824,258	12,975,547	42,905,727	10,838,288	291,357,517
Total (dollars)	97,369,330	48,542,469	38,290,911	22,707,563	20,840,724	548,883,047	99,226,225	114,776,421	185,447,094	1,176,083,784

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •Wheeling (transmission services) is reported in account 456, “Transmission For Others,” and in account 565, “Transmission By Others,” of the FERC Uniform System of Accounts. •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, “Annual Report of Major Electric Utilities, Licensees and Others.” •FERC Form 1-F, “Annual Report of Nonmajor Public Utilities and Licensees.”

Table 13. Electricity Wheeling by All Ownership Classes to Investor-Owned Utilities, by NERC Region, 1994

Wheeling to Investor-Owned Utility Service Territories	NERC Region of Investor-Owned Utility									Contiguous U.S. Total
	ECAR	ERCOT	MAAC	MAIN	MAPP	NPCC	SERC	SPP	WSCC	
Investor-Owned										
Wheeled Energy										
Rec. (thousand kWh)	975,305	5,875,973	3,720,445	1,623,693	4,140,770	30,564,536	331,986	2,355,994	24,304,255	73,892,957
Del. (thousand kWh)	934,290	2,345,876	3,720,445	1,592,367	2,172,525	27,482,647	327,589	2,352,345	23,979,930	64,908,014
Cost										
Demand (dollars)	—	15,985,821	2,142,545	2,536,831	4,430,730	59,681,497	—	5,361,752	33,272,530	123,411,706
Energy (dollars)	732,250	9,940	—	1,301,875	584,424	19,550,834	14,772	611,351	9,529,917	32,335,363
Other (dollars)	19,759,864	8,306,386	2,214,306	273,567	459,310	97,817,471	—	2,334,988	15,351,794	146,517,686
Total (dollars)	20,492,114	24,302,147	4,356,851	4,112,273	5,474,464	177,049,802	14,772	8,308,091	58,154,241	302,264,755
Federal Authorities										
Wheeled Energy										
Rec. (thousand kWh)	—	—	—	—	839,388	—	—	109,675	38,622,504	39,571,567
Del. (thousand kWh)	—	—	—	—	803,327	—	—	109,675	38,326,786	39,239,788
Cost										
Demand (dollars)	—	—	—	—	22,534	—	—	2,400,000	55,596,927	58,019,461
Energy (dollars)	—	—	—	—	949,233	—	—	112,675	22,205,995	23,267,903
Other (dollars)	—	—	—	—	—	—	—	63,647	26,686,057	26,749,704
Total (dollars)	—	—	—	—	971,767	—	—	2,576,322	104,488,979	108,037,068
State and Other										
Government										
Wheeled Energy										
Rec. (thousand kWh)	172,606	209,060	—	—	—	217,346	126,801	—	5,340,231	6,066,044
Del. (thousand kWh)	172,606	15,891	—	—	—	217,346	126,801	—	5,300,175	5,832,819
Cost										
Demand (dollars)	320,295	791,832	—	—	—	3,822,319	857,280	—	4,795,755	10,587,481
Energy (dollars)	—	441	—	—	—	29,822,746	—	—	1,396,905	31,220,092
Other (dollars)	-52,000	300,658	—	—	—	2,835,511	—	—	2,283,820	5,367,989
Total (dollars)	268,295	1,092,931	—	—	—	36,480,576	857,280	—	8,476,480	47,175,562
Municipals										
Wheeled Energy										
Rec. (thousand kWh)	363,271	2,771,773	—	—	1	97,456	2,971,021	—	512,962	6,716,484
Del. (thousand kWh)	363,271	114,454	—	—	1	83,551	2,971,021	—	512,903	4,045,201
Cost										
Demand (dollars)	—	967,318	—	—	—	142,807	—	157,652	2,598,318	3,866,095
Energy (dollars)	—	956	—	—	120	—	176,003	—	760,323	937,402
Other (dollars)	111,155	441,879	—	—	—	497,487	—	—	-217,553	832,968
Total (dollars)	111,155	1,410,153	—	—	120	640,294	176,003	157,652	3,141,088	5,636,465
Cooperatives										
Wheeled Energy										
Rec. (thousand kWh)	591,440	2,688,307	—	201,447	587,696	—	4,052	34,303	784,200	4,891,445
Del. (thousand kWh)	581,042	30,988	—	201,447	593,701	—	4,052	34,303	752,074	2,197,607
Cost										
Demand (dollars)	23,484	-213,493	—	—	592,295	—	9,816	127,418	1,237,988	1,777,508
Energy (dollars)	493,148	89	—	61,508	419,553	—	—	6,072	2,223,858	3,204,228
Other (dollars)	421,077	8,400	—	—	376,038	3,753,138	—	—	746,469	5,305,122
Total (dollars)	937,709	-205,004	—	61,508	1,387,886	3,753,138	9,816	133,490	4,208,315	10,286,858
Other¹										
Wheeled Energy										
Rec. (thousand kWh)	44,510	—	435,062	—	10,805	11,820,838	2,885,166	271,252	15,097,561	30,565,194
Del. (thousand kWh)	44,510	—	435,062	—	—	11,126,028	2,885,166	268,847	15,077,913	29,837,526
Cost										
Demand (dollars)	—	-12,816,434	2,888,834	—	—	17,580,631	8,336,412	1,437,288	-4,240	17,422,491
Energy (dollars)	345,836	—	—	—	—	3,485,304	—	324,983	276,529	4,432,652
Other (dollars)	1,304	5,445,884	-1,422,256	—	30	5,281,955	—	27,265,069	3,735,284	40,307,270
Total (dollars)	347,140	-7,370,550	1,466,578	—	30	26,347,890	8,336,412	29,027,340	4,007,573	62,162,413
Region Total										
Wheeled Energy										
Rec. (thousand kWh)	2,147,132	11,545,113	4,155,507	1,825,140	5,578,660	42,700,176	6,319,026	2,771,224	84,661,713	161,703,691
Del. (thousand kWh)	2,095,719	2,507,209	4,155,507	1,793,814	3,569,554	38,909,572	6,314,629	2,765,170	83,949,781	146,060,955
Cost										
Demand (dollars)	343,779	4,715,044	5,031,379	2,536,831	5,045,559	81,227,254	9,203,508	9,484,110	97,497,278	215,084,742
Energy (dollars)	1,571,234	11,426	—	1,363,383	1,953,330	52,858,884	190,775	1,055,081	36,393,527	95,397,640
Other (dollars)	20,241,400	14,503,207	792,050	273,567	835,378	110,185,562	—	29,663,704	48,585,871	225,080,739
Total (dollars)	22,156,413	19,229,677	5,823,429	4,173,781	7,834,267	244,271,700	9,394,283	40,202,895	182,476,676	535,563,121

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •Wheeling (transmission services) is reported in account 456, "Transmission For Others," and in account 565, "Transmission By Others," of the FERC Uniform System of Accounts. •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. See glossary for a list of regions. Total quantity of wheeling may not be reported. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 14. Purchases by Cooperative Borrowers, by NERC Region, 1994

Seller by Ownership Class	NERC Region of Cooperatives				
	ECAR	ERCOT	MAAC	MAIN	MAPP
Investor-Owned					
Purchases (thousand kWh).....	2,761,376	3,906,638	3,295,869	2,127,368	4,212,706
Cost (dollars).....	89,533,407	153,402,190	149,829,443	94,484,880	171,269,973
Federal Authorities					
Purchases (thousand kWh).....	3,086,095	316,333	—	40,940	3,397,191
Cost (dollars).....	80,308,299	5,038,904	—	857,698	43,706,081
State and Other					
Government					
Purchases (thousand kWh).....	156,525	799,616	267,359	—	2,862,368
Cost (dollars).....	4,276,489	31,936,373	1,738,763	—	88,156,779
Municipals					
Purchases (thousand kWh).....	1,361,247	171,248	—	—	31,500
Cost (dollars).....	32,989,971	2,630,445	—	—	526,611
Cooperatives					
Purchases (thousand kWh).....	25,253,357	9,780,137	3,676,336	8,086,523	21,688,308
Cost (dollars).....	988,477,912	401,350,875	207,200,847	376,720,287	819,208,813
Other¹					
Purchases (thousand kWh).....	1,218,055	760,377	8,402	62,160	1,135,395
Cost (dollars).....	65,338,224	39,078,189	1,973,886	3,410,427	16,305,312
Region Total					
Purchases (thousand kWh).....	33,836,655	15,734,349	7,247,966	10,316,991	33,327,468
Cost (dollars).....	1,260,924,302	633,436,976	360,742,939	475,473,292	1,139,173,569

NERC Region of Cooperatives				Contiguous U.S. Total	
NPCC	SERC	SPP	WSCC		
Investor-Owned					
Purchases (thousand kWh).....	799,471	17,146,860	8,133,281	2,434,931	44,818,500
Cost (dollars).....	57,886,002	893,912,234	255,457,385	99,931,369	1,965,706,883
Federal Authorities					
Purchases (thousand kWh).....	—	30,556,630	3,926,578	11,056,424	52,380,191
Cost (dollars).....	—	1,286,558,381	63,006,639	266,381,726	1,745,857,728
State and Other					
Government					
Purchases (thousand kWh).....	194,577	7,076,597	4,314,947	529,799	16,201,788
Cost (dollars).....	3,830,859	273,850,558	98,614,233	9,843,009	512,247,063
Municipals					
Purchases (thousand kWh).....	2,150	188,485	1,707,421	15,205	3,477,256
Cost (dollars).....	391,329	6,821,010	37,034,371	317,170	80,710,907
Cooperatives					
Purchases (thousand kWh).....	111,110	59,739,779	41,186,752	14,996,446	184,518,748
Cost (dollars).....	11,400,937	2,917,269,459	1,693,394,458	646,680,658	8,061,704,246
Other¹					
Purchases (thousand kWh).....	102,996	201,800	52,780	1,271,838	4,813,803
Cost (dollars).....	5,461,413	8,462,422	4,236,749	38,026,085	182,292,707
Region Total					
Purchases (thousand kWh).....	1,210,304	114,910,151	59,321,759	30,304,643	306,210,286
Cost (dollars).....	78,970,540	5,386,874,064	2,151,743,835	1,061,180,017	12,548,519,534

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding.

Source: Rural Utilities Service, RUS Form 7, "Financial And Statistical Report," RUS Form 12a through 12i, "Electric Power Supply Borrowers," Form 12c through 12g, "Electric Distribution Borrowers with Generating Facilities."

Table 15. Receipts by Investor-Owned Utilities Within and Between NERC Regions, 1994

NERC Region of Investor-Owned Utilities/ Type of Transaction	Source of Electricity from All Ownership Classes by NERC Region			
	ECAR		ERCOT	
	Energy (thousand kWh)	Cost (dollars)	Energy (thousand kWh)	Cost (dollars)
ECAR				
Firm Purchases	49,195,951	1,817,039,175	—	—
Nonfirm Purchases	28,434,869	720,185,060	—	—
Miscellaneous Purchases ¹	9,587,401	260,562,445	—	—
Exchanges Received ²	1,031,243	-2,606,402	—	—
Wheeling By Others ³	2,140,596	20,298,841	—	—
ERCOT				
Firm Purchases	—	—	14,528,795	717,690,755
Nonfirm Purchases	—	—	9,281,450	180,642,448
Miscellaneous Purchases ¹	—	—	286,343	580,567
Exchanges Received ²	—	—	33,003,338	-15,631,586
Wheeling By Others ³	—	—	11,545,113	19,524,643
MAAC				
Firm Purchases	258,034	6,252,911	—	—
Nonfirm Purchases	6,501,784	250,571,572	—	—
Miscellaneous Purchases ¹	—	51,453	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
MAIN				
Firm Purchases	2,092,086	52,508,597	—	—
Nonfirm Purchases	1,578,255	28,831,696	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	450	10,302	—	—
Wheeling By Others ³	—	—	—	—
MAPP				
Firm Purchases	—	—	—	—
Nonfirm Purchases	12,465	166,991	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
NPCC				
Firm Purchases	—	—	—	—
Nonfirm Purchases	—	—	1	85
Miscellaneous Purchases ¹	18	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
SERC				
Firm Purchases	7,404,849	258,385,852	—	—
Nonfirm Purchases	65,742	2,056,249	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	24,577	—	—	—
Wheeling By Others ³	—	—	—	—
SPP				
Firm Purchases	—	—	—	—
Nonfirm Purchases	—	—	—	—
Miscellaneous Purchases ¹	—	—	2,010	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	119,643	1,789,581
WSCC				
Firm Purchases	—	—	1,331,985	65,817,980
Nonfirm Purchases	—	—	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
Region Total				
Firm Purchases Deliveries.....	58,950,920	2,134,186,535	15,860,780	783,508,735
Nonfirm Purchases Deliveries.....	36,593,115	1,001,811,568	9,281,451	180,642,533
Misc Purchases Deliveries ¹	9,587,419	260,613,898	288,353	580,567
Exchanges Received Deliveries ²	1,056,270	-2,596,100	33,003,338	-15,631,586
Wheeling By Others Deliveries ³	2,140,596	20,298,841	11,664,756	21,314,224

See notes and footnotes at end of table.

Table 15. Receipts by Investor-Owned Utilities Within and Between NERC Regions, 1994
(Continued)

NERC Region of Investor-Owned Utilities/ Type of Transaction	Source of Electricity from All Ownership Classes by NERC Region			
	MAAC		MAIN	
	Energy (thousand kWh)	Cost (dollars)	Energy (thousand kWh)	Cost (dollars)
ECAR				
Firm Purchases	189,880	5,685,094	1,726,785	43,634,332
Nonfirm Purchases	80,499	1,008,866	1,038,281	17,833,815
Miscellaneous Purchases ¹	—	—	—	-2,400
Exchanges Received ²	—	—	—	-5,432
Wheeling By Others ³	—	1,834,088	—	—
ERCOT				
Firm Purchases	—	—	—	—
Nonfirm Purchases	—	—	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
MAAC				
Firm Purchases	18,454,617	816,639,107	—	—
Nonfirm Purchases	40,346,387	1,560,745,812	—	—
Miscellaneous Purchases ¹	3,136,658	81,925,513	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	4,155,507	5,823,429	—	—
MAIN				
Firm Purchases	—	—	12,966,309	331,720,509
Nonfirm Purchases	—	—	8,729,402	139,804,724
Miscellaneous Purchases ¹	—	—	-59	31,428
Exchanges Received ²	—	—	184,134	3,436,945
Wheeling By Others ³	—	—	618,900	1,257,670
MAPP				
Firm Purchases	—	—	645,175	29,859,827
Nonfirm Purchases	—	—	1,216,941	22,453,906
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	46,843	384,235
NPCC				
Firm Purchases	3,978,488	266,927,747	—	—
Nonfirm Purchases	3,123,273	88,999,419	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	47,055	116,189	—	—
SERC				
Firm Purchases	6,065	288,142	332,517	12,130,920
Nonfirm Purchases	—	—	4,890	87,217
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
SPP				
Firm Purchases	—	—	263,862	11,644,005
Nonfirm Purchases	18,575	317,916	2,180,728	38,922,352
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
WSCC				
Firm Purchases	2,085	197,717	—	—
Nonfirm Purchases	—	—	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	22,083	508,163	—	—
Region Total				
Firm Purchases Deliveries.....	22,631,135	1,089,737,807	15,934,648	428,989,593
Nonfirm Purchases Deliveries.....	43,568,734	1,651,072,013	13,170,242	219,102,014
Misc Purchases Deliveries ¹	3,136,658	81,925,513	-59	29,028
Exchanges Received Deliveries ²	—	—	184,134	3,431,513
Wheeling By Others Deliveries ³	4,224,645	8,281,869	665,743	1,641,905

See notes and footnotes at end of table.

**Table 15. Receipts by Investor-Owned Utilities Within and Between NERC Regions, 1994
(Continued)**

NERC Region of Investor-Owned Utilities/ Type of Transaction	Source of Electricity from All Ownership Classes by NERC Region			
	MAPP		NPCC	
	Energy (thousand kWh)	Cost (dollars)	Energy (thousand kWh)	Cost (dollars)
ECAR				
Firm Purchases	—	—	6,802,717	134,702,275
Nonfirm Purchases	—	—	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
ERCOT				
Firm Purchases	—	—	—	—
Nonfirm Purchases	—	—	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
MAAC				
Firm Purchases	—	—	2,030,260	59,881,376
Nonfirm Purchases	—	—	536,720	11,362,689
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
MAIN				
Firm Purchases	3,800,227	68,227,583	—	—
Nonfirm Purchases	2,016,703	38,325,372	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	15,400	244,581	—	—
Wheeling By Others ³	843,314	2,342,263	—	—
MAPP				
Firm Purchases	14,026,628	394,439,291	75,565	1,402,369
Nonfirm Purchases	7,453,682	196,715,276	—	—
Miscellaneous Purchases ¹	5,642,771	221,748,843	—	—
Exchanges Received ²	40,616	—	—	—
Wheeling By Others ³	4,653,751	6,476,836	—	—
NPCC				
Firm Purchases	—	—	69,085,149	3,370,780,594
Nonfirm Purchases	—	—	92,176,975	4,082,070,808
Miscellaneous Purchases ¹	—	—	334,803	-2,830,064
Exchanges Received ²	—	—	982,871	17,126,511
Wheeling By Others ³	—	—	42,653,121	241,717,281
SERC				
Firm Purchases	—	—	—	—
Nonfirm Purchases	3,320	84,019	237,218	3,790,404
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
SPP				
Firm Purchases	66,135	2,676,489	—	—
Nonfirm Purchases	1,173,158	18,647,650	3,567	72,727
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
WSCC				
Firm Purchases	71,117	9,099,686	—	—
Nonfirm Purchases	—	—	—	—
Miscellaneous Purchases ¹	—	1,857	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
Region Total				
Firm Purchases Deliveries.....	17,964,107	474,443,049	77,993,691	3,566,766,614
Nonfirm Purchases Deliveries.....	10,646,863	253,772,317	92,954,480	4,097,296,628
Misc Purchases Deliveries ¹	5,642,771	221,750,700	334,803	-2,830,064
Exchanges Received Deliveries ²	56,016	244,581	982,871	17,126,511
Wheeling By Others Deliveries ³	5,497,065	8,819,099	42,653,121	241,717,281

See notes and footnotes at end of table.

Table 15. Receipts by Investor-Owned Utilities Within and Between NERC Regions, 1994
(Continued)

NERC Region of Investor-Owned Utilities/ Type of Transaction	Source of Electricity from All Ownership Classes by NERC Region			
	SERC		SPP	
	Energy (thousand kWh)	Cost (dollars)	Energy (thousand kWh)	Cost (dollars)
ECAR				
Firm Purchases	358,753	10,686,578	—	—
Nonfirm Purchases	824,345	39,112,717	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	642,402	-432,402	—	—
Wheeling By Others ³	6,536	23,484	—	—
ERCOT				
Firm Purchases	—	—	2,811,197	180,313,884
Nonfirm Purchases	—	—	233,397	4,589,671
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	173,959	—
Wheeling By Others ³	—	—	—	-294,966
MAAC				
Firm Purchases	58,804	1,070,561	—	—
Nonfirm Purchases	—	—	—	—
Miscellaneous Purchases ¹	—	-47,519	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	—	—
MAIN				
Firm Purchases	848,274	20,930,056	2,486,504	49,749,389
Nonfirm Purchases	481,863	8,832,287	303,889	5,778,048
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	362,926	573,848
MAPP				
Firm Purchases	—	—	—	—
Nonfirm Purchases	—	—	417,172	9,902,273
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	1	120	38,674	1,291
NPCC				
Firm Purchases	—	—	—	—
Nonfirm Purchases	328,968	24,433,537	—	—
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	2,438,230	—	—
SERC				
Firm Purchases	49,790,146	2,958,821,802	—	—
Nonfirm Purchases	26,232,898	733,006,709	464,563	8,299,415
Miscellaneous Purchases ¹	22,043	209,160	—	—
Exchanges Received ²	5,354,692	5,132,293	—	—
Wheeling By Others ³	6,319,026	9,394,283	—	—
SPP				
Firm Purchases	8,577,405	599,984,179	928,806	37,365,294
Nonfirm Purchases	2,127,426	40,492,552	35,173,477	958,550,559
Miscellaneous Purchases ¹	—	—	1,612,404	8,779,304
Exchanges Received ²	—	—	2,108,436	1,226,675
Wheeling By Others ³	109,675	2,512,675	2,539,291	35,882,669
WSCC				
Firm Purchases	8,533	338,288	401,496	27,880,814
Nonfirm Purchases	—	—	791,811	17,904,363
Miscellaneous Purchases ¹	—	—	355,574	6,522,273
Exchanges Received ²	—	—	678	—
Wheeling By Others ³	—	—	—	—
Region Total				
Firm Purchases Deliveries.....	59,641,915	3,591,831,464	6,628,003	295,309,381
Nonfirm Purchases Deliveries.....	29,995,500	845,877,802	37,384,309	1,005,024,329
Misc Purchases Deliveries ¹	22,043	161,641	1,967,978	15,301,577
Exchanges Received Deliveries ²	5,997,094	4,699,891	2,283,073	1,226,675
Wheeling By Others Deliveries ³	6,435,238	14,368,792	2,940,891	36,162,842

See notes and footnotes at end of table.

Table 15. Receipts by Investor-Owned Utilities Within and Between NERC Regions, 1994
(Continued)

NERC Region of Investor-Owned Utilities/ Type of Transaction	Source of Electricity from All Ownership Classes by NERC Region			
	WSCC		Contiguous U.S. Total	
	Energy (thousand kWh)	Cost (dollars)	Energy (thousand kWh)	Cost (dollars)
ECAR				
Firm Purchases	—	—	58,274,086	2,011,747,454
Nonfirm Purchases	—	—	30,377,994	778,140,458
Miscellaneous Purchases ¹	—	—	9,587,401	260,560,045
Exchanges Received ²	—	—	1,673,645	-3,044,236
Wheeling By Others ³	—	—	2,147,132	22,156,413
ERCOT				
Firm Purchases	—	—	17,339,992	898,004,639
Nonfirm Purchases	58,994	1,030,107	9,573,841	186,262,226
Miscellaneous Purchases ¹	—	—	286,343	580,567
Exchanges Received ²	—	—	33,177,297	-15,631,586
Wheeling By Others ³	—	—	11,545,113	19,229,677
MAAC				
Firm Purchases	—	—	20,801,715	883,843,955
Nonfirm Purchases	—	—	47,384,891	1,822,680,073
Miscellaneous Purchases ¹	—	—	3,136,658	81,929,447
Exchanges Received ²	—	—	—	—
Wheeling By Others ³	—	—	4,155,507	5,823,429
MAIN				
Firm Purchases	523,012	10,295,550	22,716,412	533,431,684
Nonfirm Purchases	9,496	257,218	13,119,608	221,829,345
Miscellaneous Purchases ¹	—	—	-59	31,428
Exchanges Received ²	—	—	199,984	3,691,828
Wheeling By Others ³	—	—	1,825,140	4,173,781
MAPP				
Firm Purchases	625,586	19,821,507	15,372,954	445,522,994
Nonfirm Purchases	1,002,980	17,484,734	10,103,240	246,723,180
Miscellaneous Purchases ¹	-1,172	-166,058	5,641,599	221,582,785
Exchanges Received ²	11,008	—	51,624	—
Wheeling By Others ³	839,391	971,785	5,578,660	7,834,267
NPCC				
Firm Purchases	—	—	73,063,637	3,637,708,341
Nonfirm Purchases	3,102	238,806	95,632,319	4,195,742,655
Miscellaneous Purchases ¹	—	—	334,821	-2,830,064
Exchanges Received ²	—	—	982,871	17,126,511
Wheeling By Others ³	—	—	42,700,176	244,271,700
SERC				
Firm Purchases	543,473	20,808,641	58,077,050	3,250,435,357
Nonfirm Purchases	70,418	1,212,159	27,079,049	748,536,172
Miscellaneous Purchases ¹	—	—	22,043	209,160
Exchanges Received ²	—	—	5,379,269	5,132,293
Wheeling By Others ³	—	—	6,319,026	9,394,283
SPP				
Firm Purchases	—	—	9,836,208	651,669,967
Nonfirm Purchases	5,945	161,790	40,682,876	1,057,165,546
Miscellaneous Purchases ¹	2,933	86,806	1,617,347	8,866,110
Exchanges Received ²	—	—	2,108,436	1,226,675
Wheeling By Others ³	2,615	17,970	2,771,224	40,202,895
WSCC				
Firm Purchases	84,435,882	5,776,960,318	86,251,098	5,880,294,803
Nonfirm Purchases	51,744,221	1,250,636,234	52,536,032	1,268,540,597
Miscellaneous Purchases ¹	3,331,470	49,802,180	3,687,044	56,326,310
Exchanges Received ²	21,836,519	1,724,369	21,837,197	1,724,369
Wheeling By Others ³	84,639,630	181,968,513	84,661,713	182,476,676
Region Total				
Firm Purchases Deliveries.....	86,127,953	5,827,886,016	361,733,152	18,192,659,194
Nonfirm Purchases Deliveries.....	52,895,156	1,271,021,048	326,489,850	10,525,620,252
Misc Purchases Deliveries ¹	3,333,231	49,722,928	24,313,197	627,255,788
Exchanges Received Deliveries ²	21,847,527	1,724,369	65,410,323	10,225,854
Wheeling By Others Deliveries ³	85,481,636	182,958,268	161,703,691	535,563,121

¹ Miscellaneous purchases include other transactions involving line and substation rentals, system support charges, and special contract transactions.

² Reported as Power Exchange in account 555, "Purchased Power Transactions," of the FERC Uniform System of Accounts.

³ Reported as transmission services in account 456, "Transmission For Others," and in account 565, "Transmission By Others," of the FERC Uniform System of Accounts. Total quantity of wheeling may not be reported.

—Not Applicable

Notes: •Demand charges only are not included. •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •The isolated service territories of the same utility are assigned one NERC Region identification. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

•FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 16. Deliveries by Investor-Owned Utilities Within and Between NERC Regions, 1994

NERC Region of Investor-Owned Utilities/ Type of Transaction	Destination of Electricity to All Ownership Classes by NERC Region			
	ECAR		ERCOT	
	Energy (thousand kWh)	Revenue (dollars)	Energy (thousand kWh)	Revenue (dollars)
ECAR				
Firm Sales.....	58,600,187	1,634,386,883	—	—
Nonfirm Sales.....	36,159,076	1,047,340,973	—	—
Miscellaneous Sales ¹	-51	90,289,073	—	—
Exchanges Delivered ²	1,395,948	—	—	—
Wheeling For Others ³	21,939,782	79,613,923	—	—
ERCOT				
Firm Sales.....	—	—	5,076,588	269,998,005
Nonfirm Sales.....	—	—	2,649,509	58,708,424
Miscellaneous Sales ¹	—	—	—	2,354,489
Exchanges Delivered ²	—	—	33,176,144	—
Wheeling For Others ³	—	—	25,697,493	47,219,828
MAAC				
Firm Sales.....	82,113	3,629,924	—	—
Nonfirm Sales.....	3,636	317,116	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	2,661,750	5,391,469	—	—
MAIN				
Firm Sales.....	2,176,736	59,037,815	—	—
Nonfirm Sales.....	964,619	14,954,093	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	31	—	—	—
Wheeling For Others ³	—	—	—	—
MAPP				
Firm Sales.....	—	—	—	—
Nonfirm Sales.....	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
NPCC				
Firm Sales.....	—	—	—	—
Nonfirm Sales.....	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
SERC				
Firm Sales.....	574,697	29,502,769	—	—
Nonfirm Sales.....	64,575	1,809,801	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	23,161	—	—	—
Wheeling For Others ³	—	—	—	—
SPP				
Firm Sales.....	30,272	1,406,973	1,490,271	58,075,908
Nonfirm Sales.....	—	—	355,574	6,522,273
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	28,745	52,570
WSCC				
Firm Sales.....	—	—	—	—
Nonfirm Sales.....	—	—	27,951	1,341,626
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
Region Total				
Firm Sales Receipts.....	61,464,005	1,727,964,364	6,566,859	328,073,913
Nonfirm Sales Receipts.....	37,191,906	1,064,421,983	3,033,034	66,572,323
Miscellaneous Sales Receipts ¹	-51	90,289,073	—	2,354,489
Exchanges Delivered Receipts ²	1,419,140	—	33,176,144	—
Wheeling For Others Receipts ³	24,601,532	85,005,392	25,726,238	47,272,398

See notes and footnotes at end of table.

Table 16. Deliveries by Investor-Owned Utilities Within and Between NERC Regions, 1994
(Continued)

NERC Region of Investor-Owned Utilities/ Type of Transaction	Destination of Electricity to All Ownership Classes by NERC Region			
	MAAC		MAIN	
	Energy (thousand kWh)	Revenue (dollars)	Energy (thousand kWh)	Revenue (dollars)
ECAR				
Firm Sales.....	9,135,916	319,056,569	3,546,910	79,381,297
Nonfirm Sales.....	516	36,246	294,967	7,024,845
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	413	—
Wheeling For Others ³	4,945	54,463	—	—
ERCOT				
Firm Sales.....	—	—	—	—
Nonfirm Sales.....	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
MAAC				
Firm Sales.....	9,900,694	424,210,776	—	—
Nonfirm Sales.....	27,851,213	881,078,834	—	—
Miscellaneous Sales ¹	3,914,989	88,615,198	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	8,638,572	31,486,611	—	—
MAIN				
Firm Sales.....	—	—	18,557,906	630,791,505
Nonfirm Sales.....	—	—	12,193,029	213,156,397
Miscellaneous Sales ¹	—	—	14,280	23,000
Exchanges Delivered ²	—	—	26,557	—
Wheeling For Others ³	—	—	4,382,053	22,458,400
MAPP				
Firm Sales.....	—	—	2,641,713	50,786,056
Nonfirm Sales.....	—	—	3,403,890	54,089,175
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	1,193,898	4,684,833
NPCC				
Firm Sales.....	1,377,281	67,987,451	—	—
Nonfirm Sales.....	228,075	7,643,017	—	—
Miscellaneous Sales ¹	379,721	9,889,045	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	132,815	247,322	—	—
SERC				
Firm Sales.....	55,640	973,909	—	—
Nonfirm Sales.....	—	115	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
SPP				
Firm Sales.....	—	—	1,101,721	28,915,988
Nonfirm Sales.....	—	—	1,621,958	25,892,708
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	288,616	873,503
WSCC				
Firm Sales.....	—	—	—	—
Nonfirm Sales.....	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
Region Total				
Firm Sales Receipts.....	20,469,531	812,228,705	25,848,250	789,874,846
Nonfirm Sales Receipts.....	28,079,804	888,758,212	17,513,844	300,163,125
Miscellaneous Sales Receipts ¹	4,294,710	98,504,243	14,280	23,000
Exchanges Delivered Receipts ²	—	—	26,970	—
Wheeling For Others Receipts ³	8,776,332	31,788,396	5,864,567	28,016,736

See notes and footnotes at end of table.

Table 16. Deliveries by Investor-Owned Utilities Within and Between NERC Regions, 1994
(Continued)

NERC Region of Investor-Owned Utilities/ Type of Transaction	Destination of Electricity to All Ownership Classes by NERC Region			
	MAPP		NPCC	
	Energy (thousand kWh)	Revenue (dollars)	Energy (thousand kWh)	Revenue (dollars)
ECAR				
Firm Sales.....	—	—	2,924	49,237
Nonfirm Sales.....	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
ERCOT				
Firm Sales.....	—	—	—	—
Nonfirm Sales.....	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
MAAC				
Firm Sales.....	—	—	5,099	711,246
Nonfirm Sales.....	—	—	4,285,921	58,545,698
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	419,181	1,412,831
MAIN				
Firm Sales.....	1,331,027	50,180,849	—	—
Nonfirm Sales.....	1,137,612	20,503,150	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	1,547	1,963	—	—
MAPP				
Firm Sales.....	5,005,989	169,094,636	—	—
Nonfirm Sales.....	3,137,463	54,392,671	—	—
Miscellaneous Sales ¹	5,602,051	221,880,292	—	—
Exchanges Delivered ²	130,486	—	—	—
Wheeling For Others ³	14,407,640	14,831,829	—	—
NPCC				
Firm Sales.....	—	—	51,607,573	2,830,004,071
Nonfirm Sales.....	—	—	43,082,498	1,315,100,772
Miscellaneous Sales ¹	—	—	5,759,779	202,141,637
Exchanges Delivered ²	—	—	714,862	—
Wheeling For Others ³	—	248,320	63,649,845	548,387,405
SERC				
Firm Sales.....	—	—	—	—
Nonfirm Sales.....	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
SPP				
Firm Sales.....	—	—	19,707	375,453
Nonfirm Sales.....	259,922	5,806,259	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	195,347	248,316	—	—
WSCC				
Firm Sales.....	293,063	9,111,095	—	—
Nonfirm Sales.....	970	28,953	—	—
Miscellaneous Sales ¹	—	1,338	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	3	297,972	—	—
Region Total				
Firm Sales Receipts.....	6,630,079	228,386,580	51,635,303	2,831,140,007
Nonfirm Sales Receipts.....	4,535,967	80,731,033	47,368,419	1,373,646,470
Miscellaneous Sales Receipts ¹	5,602,051	221,881,630	5,759,779	202,141,637
Exchanges Delivered Receipts ²	130,486	—	714,862	—
Wheeling For Others Receipts ³	14,604,537	15,628,400	64,069,026	549,800,236

See notes and footnotes at end of table.

Table 16. Deliveries by Investor-Owned Utilities Within and Between NERC Regions, 1994
(Continued)

NERC Region of Investor-Owned Utilities/ Type of Transaction	Destination of Electricity to All Ownership Classes by NERC Region			
	SERC		SPP	
	Energy (thousand kWh)	Revenue (dollars)	Energy (thousand kWh)	Revenue (dollars)
ECAR				
Firm Sales.....	5,873,094	184,806,410	—	—
Nonfirm Sales.....	884,329	18,445,784	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	665,522	—	—	—
Wheeling For Others ³	4,092,187	17,700,944	—	—
ERCOT				
Firm Sales.....	—	—	823,949	61,005,863
Nonfirm Sales.....	—	—	266,889	4,720,154
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	196,553	158,945	1,126,088
MAAC				
Firm Sales.....	6,575	300,619	—	—
Nonfirm Sales.....	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
MAIN				
Firm Sales.....	—	—	277,322	11,906,222
Nonfirm Sales.....	1,883,943	25,811,530	3,247,194	76,988,326
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	307,203	247,200
MAPP				
Firm Sales.....	—	—	261,604	11,768,587
Nonfirm Sales.....	—	—	1,376,205	19,350,731
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
NPCC				
Firm Sales.....	—	—	—	—
Nonfirm Sales.....	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	—	—
SERC				
Firm Sales.....	34,603,209	1,689,367,723	—	—
Nonfirm Sales.....	41,831,499	1,392,764,576	8,941,550	480,843,061
Miscellaneous Sales ¹	513,074	3,579,015	—	—
Exchanges Delivered ²	4,602,575	—	—	—
Wheeling For Others ³	14,337,042	96,813,555	46,637	975,434
SPP				
Firm Sales.....	200,599	9,454,841	15,643,609	501,726,001
Nonfirm Sales.....	—	—	28,117,126	662,814,354
Miscellaneous Sales ¹	—	—	112,467	3,357,686
Exchanges Delivered ²	—	—	2,058,222	—
Wheeling For Others ³	2,261,750	7,378,382	19,381,964	106,223,650
WSCC				
Firm Sales.....	—	—	—	—
Nonfirm Sales.....	—	—	8,247	233,478
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	654	—
Wheeling For Others ³	—	—	5,115	74,481
Region Total				
Firm Sales Receipts.....	40,683,477	1,883,929,593	17,006,484	586,406,673
Nonfirm Sales Receipts.....	44,599,771	1,437,021,890	41,957,211	1,244,950,104
Miscellaneous Sales Receipts ¹	513,074	3,579,015	112,467	3,357,686
Exchanges Delivered Receipts ²	5,268,097	—	2,058,876	—
Wheeling For Others Receipts ³	20,690,979	122,089,434	19,899,864	108,646,853

See notes and footnotes at end of table.

Table 16. Deliveries by Investor-Owned Utilities Within and Between NERC Regions, 1994
(Continued)

NERC Region of Investor-Owned Utilities/ Type of Transaction	Destination of Electricity to All Ownership Classes by NERC Region			
	WSCC		Contiguous U.S. Total	
	Energy (thousand kWh)	Revenue (dollars)	Energy (thousand kWh)	Revenue (dollars)
ECAR				
Firm Sales.....	—	—	77,159,031	2,217,680,396
Nonfirm Sales.....	—	—	37,338,888	1,072,847,848
Miscellaneous Sales ¹	—	—	-51	90,289,073
Exchanges Delivered ²	—	—	2,061,883	—
Wheeling For Others ³	—	—	26,036,914	97,369,330
ERCOT				
Firm Sales.....	—	—	5,900,537	331,003,868
Nonfirm Sales.....	—	—	2,916,398	63,428,578
Miscellaneous Sales ¹	—	—	—	2,354,489
Exchanges Delivered ²	—	—	33,176,144	—
Wheeling For Others ³	—	—	25,856,438	48,542,469
MAAC				
Firm Sales.....	—	—	9,994,481	428,852,565
Nonfirm Sales.....	—	—	32,140,770	939,941,648
Miscellaneous Sales ¹	—	—	3,914,989	88,615,198
Exchanges Delivered ²	—	—	—	—
Wheeling For Others ³	—	—	11,719,503	38,290,911
MAIN				
Firm Sales.....	—	—	22,342,991	751,916,391
Nonfirm Sales.....	—	—	19,426,397	351,413,496
Miscellaneous Sales ¹	—	—	14,280	23,000
Exchanges Delivered ²	—	—	26,588	—
Wheeling For Others ³	—	—	4,690,803	22,707,563
MAPP				
Firm Sales.....	—	—	7,909,306	231,649,279
Nonfirm Sales.....	287,880	4,026,789	8,205,438	131,859,366
Miscellaneous Sales ¹	—	—	5,602,051	221,880,292
Exchanges Delivered ²	21,387	—	151,873	—
Wheeling For Others ³	1,530,606	1,324,062	17,132,144	20,840,724
NPCC				
Firm Sales.....	—	—	52,984,854	2,897,991,522
Nonfirm Sales.....	—	—	43,310,573	1,322,743,789
Miscellaneous Sales ¹	—	—	6,139,500	212,030,682
Exchanges Delivered ²	—	—	714,862	—
Wheeling For Others ³	—	—	63,782,660	548,883,047
SERC				
Firm Sales.....	—	—	35,233,546	1,719,844,401
Nonfirm Sales.....	—	—	50,837,624	1,875,417,553
Miscellaneous Sales ¹	—	—	513,074	3,579,015
Exchanges Delivered ²	—	—	4,625,736	—
Wheeling For Others ³	543,644	1,437,236	14,927,323	99,226,225
SPP				
Firm Sales.....	178,699	14,728,354	18,664,878	614,683,518
Nonfirm Sales.....	792,927	14,962,526	31,147,507	715,998,120
Miscellaneous Sales ¹	—	—	112,467	3,357,686
Exchanges Delivered ²	—	—	2,058,222	—
Wheeling For Others ³	—	—	22,156,422	114,776,421
WSCC				
Firm Sales.....	27,600,977	1,293,340,405	27,894,040	1,302,451,500
Nonfirm Sales.....	29,918,048	698,959,031	29,955,216	700,563,088
Miscellaneous Sales ¹	21,099	14,274,720	21,099	14,276,058
Exchanges Delivered ²	22,547,267	—	22,547,921	—
Wheeling For Others ³	65,944,775	185,074,641	65,949,893	185,447,094
Region Total				
Firm Sales Receipts.....	27,779,676	1,308,068,759	258,083,664	10,496,073,440
Nonfirm Sales Receipts.....	30,998,855	717,948,346	255,278,811	7,174,213,486
Miscellaneous Sales Receipts ¹	21,099	14,274,720	16,317,409	636,405,493
Exchanges Delivered Receipts ²	22,568,654	—	65,363,229	—
Wheeling For Others Receipts ³	68,019,025	187,835,939	252,252,100	1,176,083,784

¹ Miscellaneous sales include other transactions involving line and substation rentals, system support charges, and special contract transactions.

² Reported as Power Exchange in account 555, "Purchased Power Transactions," of the FERC Uniform System of Accounts.

³ Reported as transmission services in account 456, "Transmission For Others," and in account 565, "Transmission By Others," of the FERC Uniform System of Accounts. Total quantity of wheeling may not be reported.

—Not Applicable

Notes: •Demand charges only are not included. •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •The isolated service territories of the same utility are assigned one NERC Region identification. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

•FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 17. Electricity Transactions by Investor-Owned Utilities in Alaska and Hawaii, 1994

Type of Transaction	Alaska		Hawaii	
	Energy (thousand kWh)	Cost (dollars)	Energy (thousand kWh)	Cost (dollars)

Received

Firm Purchases	—	—	150,548	12,225,282
Nonfirm Purchases	235,555	7,333,805	3,004,193	234,490,888
Miscellaneous Purchases ¹	—	—	—	—
Exchanges Received ²	—	—	2,609	—
Wheeling By Other ³	—	—	—	—

	Alaska		Hawaii	
	Energy (thousand kWh)	Revenue (dollars)	Energy (thousand kWh)	Revenue (dollars)

Delivered

Firm Sales	—	—	—	—
Nonfirm Sales	—	—	—	—
Miscellaneous Sales ¹	—	—	—	—
Exchanges Delivered ²	—	—	6,415	-171,862
Wheeling For Others ³	—	—	—	—

¹ Miscellaneous purchases include other transactions involving line and substation rentals, system support charges, and special contract transactions.

² Reported as Power Exchange in account 555, "Purchased Power Transactions," of the FERC Uniform System of Accounts.

³ Reported as transmission services in account 456, "Transmission For Others," and in account 565, "Transmission By Others," of the FERC Uniform System of Accounts. Total quantity of wheeling may not be reported.

—Not Applicable

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

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 18. U.S. Electricity Trade with Canada and Mexico by NERC Region, 1994

Province, Country/ Type of Transaction	U.S. NERC Region					Region Total
	NPCC	ECAR	ERCOT	MAPP	WSCC	
New Brunswick, Canada						
Imports From (thousand kWh)	2,749,547	--	--	--	--	2,749,547
Cost (dollars)	65,384,323	--	--	--	--	65,384,323
Exports To (thousand kWh).....	418,896	--	--	--	--	418,896
Revenue (dollars)	1,069,606	--	--	--	--	1,069,606
Quebec, Canada						
Imports From (thousand kWh)	17,443,541	--	--	--	--	17,443,541
Cost (dollars)	330,966,819	--	--	--	--	330,966,819
Exports To (thousand kWh).....	945,056	--	--	--	--	945,056
Revenue (dollars)	20,414,900	--	--	--	--	20,414,900
Ontario, Canada						
Imports From (thousand kWh)	4,887,417	6,909,598	--	--	--	11,797,015
Cost (dollars)	76,491,841	138,420,600	--	--	--	214,912,441
Exports To (thousand kWh).....	180,619	2,925	--	--	--	183,544
Revenue (dollars)	5,895,593	48,475	--	--	--	5,944,068
Manitoba, Canada						
Imports From (thousand kWh)	--	--	--	10,085,923	--	10,085,923
Cost (dollars)	--	--	--	213,194,733	--	213,194,733
Exports To (thousand kWh).....	--	--	--	657,996	--	657,996
Revenue (dollars)	--	--	--	1,905,281	--	1,905,281
Saskatchewan, Canada						
Imports From (thousand kWh)	--	--	--	44,293	--	44,293
Cost (dollars)	--	--	--	314,932	--	314,932
Exports To (thousand kWh).....	--	--	--	91,963	--	91,963
Revenue (dollars)	--	--	--	1,055,298	--	1,055,298
Alberta, Canada						
Imports From (thousand kWh)	--	--	--	--	--	--
Cost (dollars)	--	--	--	--	--	--
Exports To (thousand kWh).....	--	--	--	113	2,974	3,087
Revenue (dollars)	--	--	--	7,052	119,979	127,031
British Columbia, Canada						
Imports From (thousand kWh)	--	--	--	--	8,098,030	8,098,030
Cost (dollars)	--	--	--	--	104,270,523	104,270,523
Exports To (thousand kWh).....	--	--	--	--	4,222,741	4,222,741
Revenue (dollars)	--	--	--	--	541,989	541,989
Canada						
Imports From (thousand kWh)	25,080,505	6,909,598	--	10,130,216	8,098,030	50,218,349
Cost (dollars)	472,842,983	138,420,600	--	213,509,665	104,270,523	929,043,771
Exports To (thousand kWh).....	1,544,571	2,925	--	750,072	4,225,715	6,523,283
Revenue (dollars)	27,380,099	48,475	--	2,967,631	661,968	31,058,173
Mexico						
Imports From (thousand kWh)	--	--	70	--	2,011,249	2,011,319
Cost (dollars)	--	--	--	--	83,460,709	83,460,709
Exports To (thousand kWh).....	--	--	25,261	--	1,043,407	1,068,668
Revenue (dollars)	--	--	2,017,712	--	48,659,298	50,677,010
Contiguous U.S. Total						
Imports To (thousand kWh)	25,080,505	6,909,598	70	10,130,216	10,109,279	52,229,668
Cost (dollars)	472,842,983	138,420,600	--	213,509,665	187,731,232	1,012,504,480
Exports From (thousand kWh)	1,544,571	2,925	25,261	750,072	5,269,122	7,591,951
Revenue (dollars)	27,380,099	48,475	2,017,712	2,967,631	49,321,266	81,735,183

—Not Applicable

Notes: •The values do not reflect a large portion of U.S.-Canadian electricity trade that occurs on an exchange basis; i.e., energy imported is returned in kind with no monetary consideration. This "zero-cost" of imported and exported energy distorts the price-per-kilowatt-hour calculation. •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding.

Source: Form FE-781R "Annual Report of International Electrical Export/Import Data."

2. Bulk Power Transactions by Investor-Owned Utilities

Overview

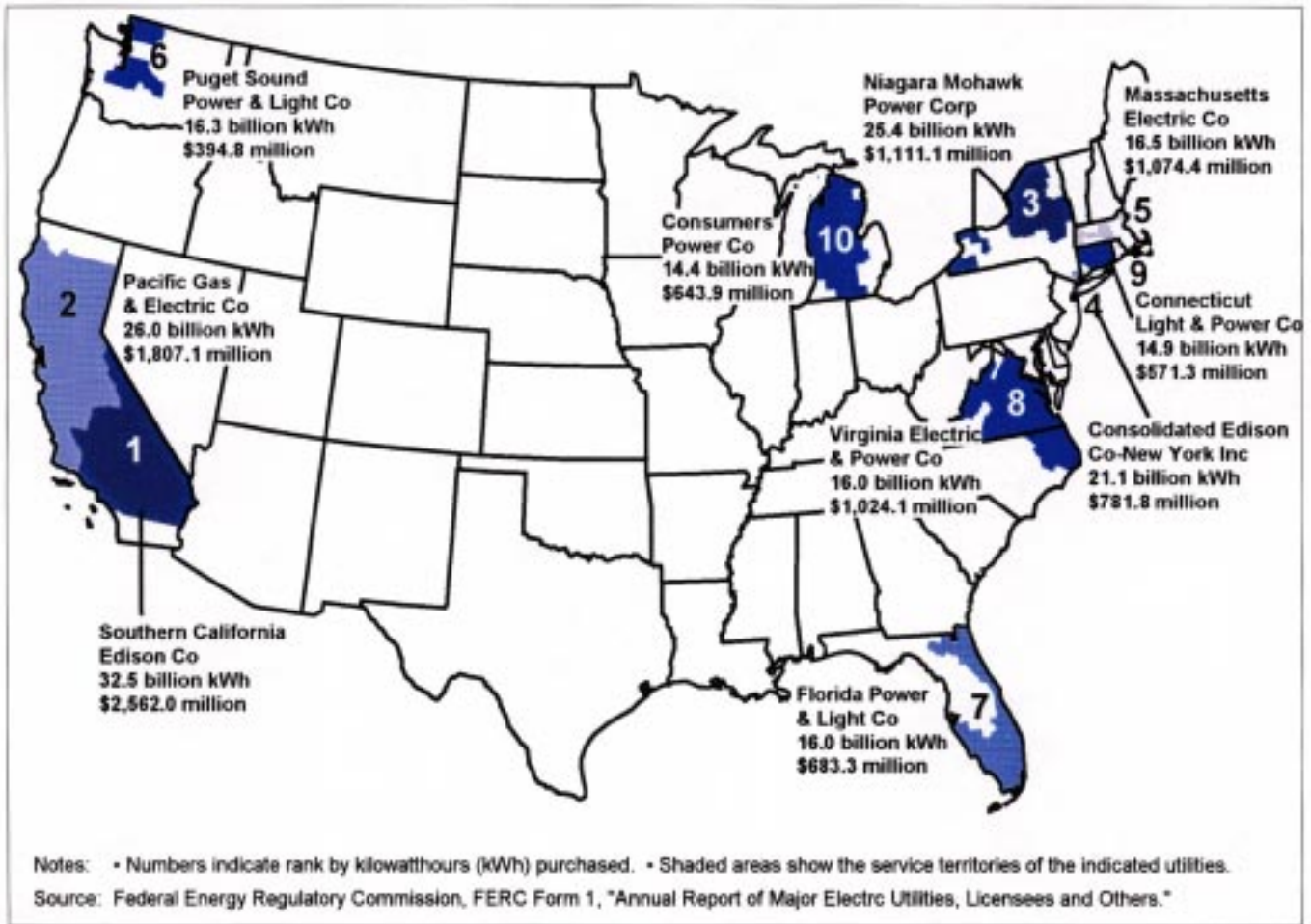
This chapter presents data for individual investor-owned utilities on purchased power, sales for resale, exchanges, and wheeling. Sales for resale are generally sales to other investor-owned utilities, public power municipals, and cooperatives under obligations to support wholesale requirement customers. These sales represent one of the most active parts of the electricity trade market. Purchases are generally made from other investor-owned utilities and Federal power marketing authorities. These purchases are made in

order to take advantage of cheaper rates generally coming from hydroelectric generation, to supplement or replace internal power supplies, and for handling longer term energy emergencies. Exchanges cover in-kind transfers, and wheeling (transmission for and by others) describes transmission services provided by utilities to other utilities. The tables present data for individual utilities aggregated to show trade with different classes of ownership.

Data are from the FERC Form 1, which is the only data source that identifies individual utilities involved in exchanges and wheeling.⁵

⁵ This is not the case for other data collected on exchanges and wheeling. Only aggregated data are collected on exchanges and wheeling on Form EIA-861, "Annual Electric Utility Report" and Form EIA-412, "Annual Report of Public Electric Utilities" starting in 1989.

Figure 6. Electricity Purchases and Costs by the Top Ten Investor-Owned Utilities, 1994



Tables

In each table, the investor-owned utilities are listed by State according to their corporate mailing addresses.

This chapter presents data on:

- Energy purchases and cost, with cost data shown for demand, energy, and other (Table 19).
- Sales for resale and revenue, with revenue data shown for demand, energy, and other (Table 20).
- Exchanges of power by ownership class, identifying quantities transferred with any monetary settlement (Table 21). Nonmonetary settlements that may have occurred are not shown. Exchanges are transactions where electricity provided to one utility is returned in kind at a later date. In these transactions, the value of the electricity may or may not have been priced at the same level. Additional money or electricity could have been involved in the exchanges, but the details of the transactions are not collected on the FERC forms.
- Electricity purchases by investor-owned utilities not listed elsewhere (Table 22). (These utilities are not listed elsewhere because of their small size and/or their power was purchased from cooperatives.)
- Wheeling through and to service territories of investor-owned utilities (Tables 23 and 24).

Summary

Differences are present in all wholesale trade categories. Some are based on the diversity of the cost of energy coming from the individual mix of generating facilities that developed over time as the electric utility industry met local and regional changes in load. This includes development of inexpensive local natural resources. In other cases, differences can be explained because some electric utilities are requirement customers of others and lack generation capability so they cannot sell electricity.

The data indicate a great diversity in wholesale electricity trade and a complex market for electricity. The diversity represent differences in the influence of geographical location; the ability to access multiple parts of the transmission grid; the support of reliability and stability standards; and the load requirements coming from varied customer compositions of service territories.

Figure 7. Electricity Sales for Resale and Revenue by the Top Ten Investor-Owned Utilities, 1994

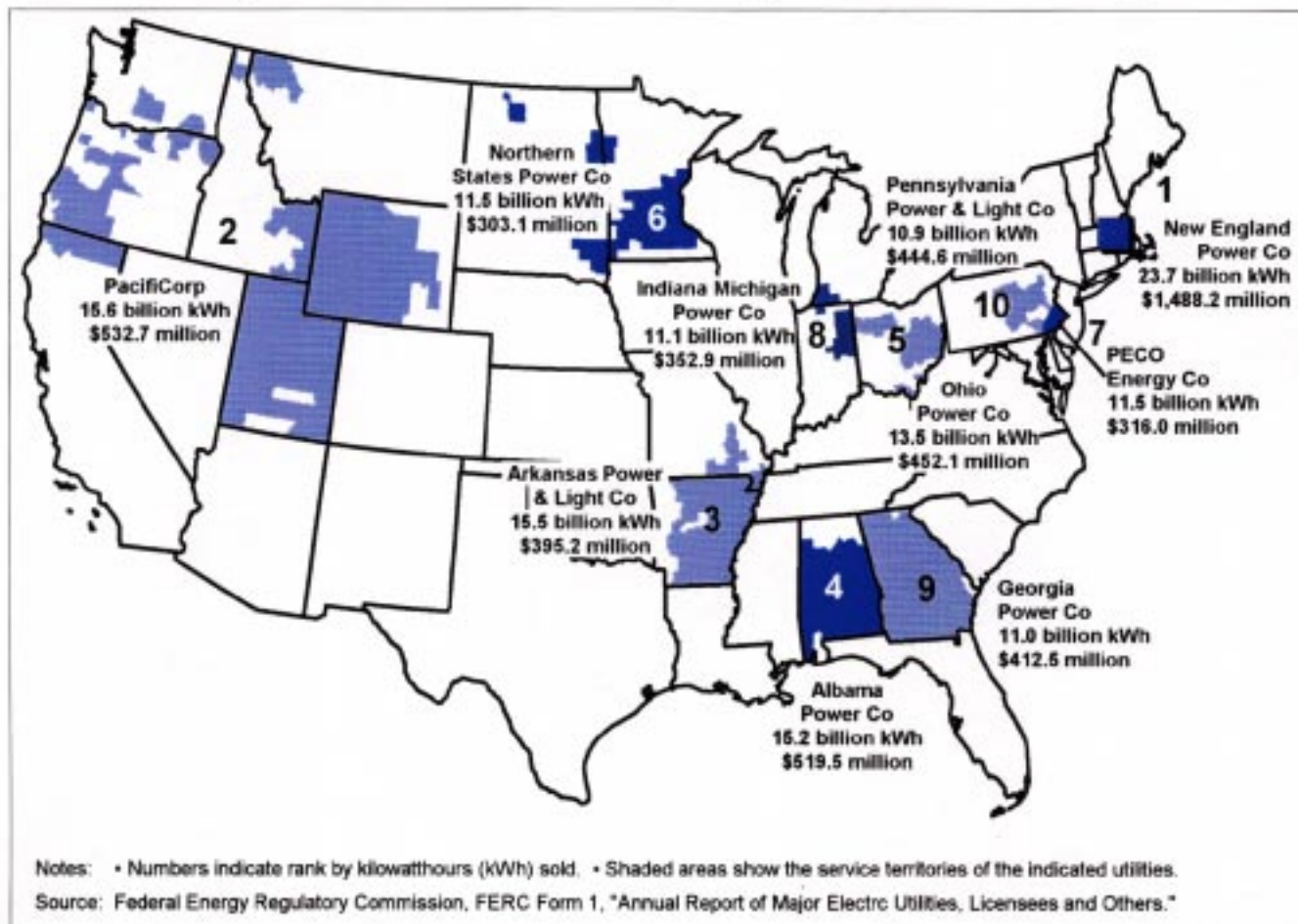


Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994

Source of Electricity by Ownership Class	Alabama Alabama Power Co	Alabama Southern Electric Generating Co ⁵	Alaska Alaska Electric Light & Power ⁴	Arizona Arizona Public Service Co	Arizona Century Power Corp ⁵	Arizona Citizens Utilities Co	Arizona Tucson Electric Power Co
Investor-Owned							
Purchases (thousand kWh)	2,866,035	—	—	634,941	—	988,780	382,631
Cost (dollars).....	85,716,280	—	—	23,763,728	—	46,144,380	8,764,240
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	11,129,380	—	24,834,413	—
Energy.....	85,716,280	—	—	12,634,348	—	21,179,563	8,764,240
Other ²	—	—	—	—	—	130,404	—
Federal							
Purchases (thousand kWh)	37,040	—	235,555	3,485	—	—	7,340
Cost (dollars).....	802,485	—	7,333,805	61,913	—	—	145,865
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	802,485	—	7,333,805	61,913	—	—	145,865
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	1,408	—	—	891,232	—	—	20,382
Cost (dollars).....	31,713	—	—	39,862,664	—	—	440,170
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	17,652,400	—	—	—
Energy.....	31,713	—	—	22,210,264	—	—	440,170
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	2,734	—	—	16,489	—	—	59,386
Cost (dollars).....	108,046	—	—	392,041	—	—	1,387,147
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	108,046	—	—	392,041	—	—	1,387,147
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	13,625	—	—	1,440	—	87	99,841
Cost (dollars).....	961,056	—	—	30,880	—	6,733	2,332,950
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	954,110	—	—	30,880	—	6,733	2,332,950
Other ²	6,946	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	1,284,433	—	—	-15,725	—	4,749	-12,986
Cost (dollars).....	28,426,138	—	—	-525,028	—	20,743	808,119
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	22,508,779	—	—	-525,028	—	20,743	91,186
Other ²	5,917,359	—	—	—	—	—	716,933
Total							
Purchases (thousand kWh)	4,205,275	—	235,555	1,531,862	—	993,616	556,594
Cost (dollars).....	116,045,718	—	7,333,805	63,586,198	—	46,171,856	13,878,491
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	28,781,780	—	24,834,413	—
Energy.....	110,121,413	—	7,333,805	34,804,418	—	21,207,039	13,161,558
Other ²	5,924,305	—	—	—	—	130,404	716,933

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Arkansas	Arkansas	California	California	California	Colorado	Colorado
	Arkansas Power & Light Co	Entergy Power Inc	Pacific Gas & Electric Co	San Diego Gas & Electric Co	Southern California Edison Co	Public Service Co of Colorado	WestPlains Energy Inc (UtilCorp)
Investor-Owned							
Purchases (thousand kWh)	3,563,932	115,098	690,407	3,017,605	1,750,626	1,557,952	987,941
Cost (dollars).....	219,971,878	1,944,255	27,957,528	117,693,582	73,700,088	61,196,368	35,311,500
Demand Charge Only ¹	—	—	—	—	16,919,500	—	180
Demand.....	193,317,703	—	2,992,064	64,985,081	24,255,844	33,597,815	18,593,280
Energy.....	26,654,175	1,944,255	24,965,464	52,708,501	32,517,255	26,741,274	19,689,843
Other ²	—	—	—	—	7,489	857,279	-2,971,803
Federal							
Purchases (thousand kWh)	452,390	—	723,250	385,071	1,127,770	15,550	—
Cost (dollars).....	8,606,566	—	10,295,517	7,104,744	69,345,789	75,775	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	5,276	—	13,628,919	—	—
Energy.....	8,606,566	—	10,290,241	7,104,744	55,825,880	255,229	—
Other ²	—	—	—	—	-109,010	-179,454	—
State and Other							
Government							
Purchases (thousand kWh)	—	—	1,945,196	1,840,343	183,967	1,146,727	—
Cost (dollars).....	—	—	39,643,473	42,135,111	4,238,324	61,757,863	—
Demand Charge Only ¹	—	—	—	—	900,000	—	—
Demand.....	—	—	676,598	3,375,000	25,320	42,828,000	—
Energy.....	—	—	38,966,875	38,760,111	3,306,942	18,929,863	—
Other ²	—	—	—	—	6,062	—	—
Municipal							
Purchases (thousand kWh)	751	—	73,852	526,096	1,933,349	5,874	28,910
Cost (dollars).....	-4,203	—	5,661,673	12,411,771	122,312,175	53,641	670,031
Demand Charge Only ¹	—	—	—	—	47,500	—	—
Demand.....	—	—	1,468,012	3,721,516	20,807,030	46,049	—
Energy.....	-4,203	—	4,193,661	8,690,255	110,479,512	30,563	670,031
Other ²	—	—	—	—	-9,021,867	-22,971	—
Cooperative							
Purchases (thousand kWh)	2,106,860	—	174,947	446,246	10,550	3,689,536	4,674
Cost (dollars).....	41,750,399	—	4,071,978	9,813,160	209,343	146,626,263	121,207
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	4,752,000	—	97,204,969	—
Energy.....	41,750,399	—	4,071,978	5,061,160	198,543	49,369,916	121,207
Other ²	—	—	—	—	10,800	51,378	—
Other³							
Purchases (thousand kWh)	3,088,647	—	22,350,857	3,319,797	27,536,030	2,116,148	—
Cost (dollars).....	58,054,018	—	1,721,129,538	152,616,935	2,292,172,817	144,389,512	—
Demand Charge Only ¹	—	—	—	—	807,834	—	—
Demand.....	—	—	519,296,807	68,188,364	658,151,243	109,018,412	—
Energy.....	58,054,018	—	1,201,832,731	84,428,571	1,616,370,770	35,370,492	—
Other ²	—	—	—	—	16,842,970	608	—
Total							
Purchases (thousand kWh)	9,212,580	115,098	25,958,509	9,535,158	32,542,292	8,531,787	1,021,525
Cost (dollars).....	328,378,658	1,944,255	1,808,759,707	341,775,303	2,561,978,536	414,099,422	36,102,738
Demand Charge Only ¹	—	—	—	—	18,674,834	—	180
Demand.....	193,317,703	—	524,438,757	145,021,961	716,868,356	282,695,245	18,593,280
Energy.....	135,060,955	1,944,255	1,284,320,950	196,753,342	1,818,698,902	130,697,337	20,481,081
Other ²	—	—	—	—	7,736,444	706,840	-2,971,803

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Connecticut	Connecticut	Connecticut	Delaware	District of Columbia	Florida	Florida
	Connecticut Light & Power Co	Connecticut Yankee Atomic Power Co ⁵	United Illuminating Co	Delmarva Power & Light Co	Potomac Electric Power Co	Florida Power & Light Co	Florida Power Corp
Investor-Owned							
Purchases (thousand kWh)	3,905,032	—	424,850	2,725,369	3,012,313	940,172	560,708
Cost (dollars).....	145,582,335	—	20,700,074	61,893,033	170,780,957	16,955,705	21,737,297
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	16,593,885	—	262,560	—	4,655,423
Energy.....	43,966,528	—	4,106,189	61,893,033	48,232,806	16,955,705	17,081,874
Other ²	101,615,807	—	—	—	122,285,591	—	—
Federal							
Purchases (thousand kWh)	—	—	—	—	—	—	44,447
Cost (dollars).....	—	—	—	—	—	—	449,438
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	449,438
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	473,811	—	10,300	—	—	1,056,226	—
Cost (dollars).....	36,931,059	—	67,345	—	—	43,175,396	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	23,466,060	—
Energy.....	36,723,333	—	67,345	—	—	19,709,336	—
Other ²	207,726	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	206,553	—	—	41,707	—	3,498,458	1,001,973
Cost (dollars).....	13,059,815	—	—	1,898,750	—	134,375,915	42,586,919
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	81,554,356	17,481,228
Energy.....	13,059,815	—	—	1,896,633	—	52,550,899	25,105,691
Other ²	—	—	—	2,117	—	270,660	—
Cooperative							
Purchases (thousand kWh)	—	—	—	—	—	776,884	431,901
Cost (dollars).....	—	—	—	—	5,538,905	14,428,236	7,511,890
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	14,427,525	7,511,890
Other ²	—	—	—	—	5,538,905	711	—
Other³							
Purchases (thousand kWh)	10,321,258	—	1,222,533	999,092	5,391,171	9,710,451	4,850,770
Cost (dollars).....	375,693,463	—	53,723,287	25,683,115	124,885,710	474,325,342	222,372,579
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	28,178,784	314,548	—	299,237,138	115,020,790
Energy.....	320,639,155	—	25,544,503	22,003,076	110,543,660	175,088,204	107,351,789
Other ²	55,054,308	—	—	3,365,491	14,342,050	—	—
Total							
Purchases (thousand kWh)	14,906,654	—	1,657,683	3,766,168	8,403,484	15,982,191	6,889,799
Cost (dollars).....	571,266,672	—	74,490,706	89,474,898	301,205,572	683,260,594	294,658,123
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	44,772,669	314,548	262,560	404,257,554	137,157,441
Energy.....	414,388,831	—	29,718,037	85,792,742	158,776,466	278,731,669	157,500,682
Other ²	156,877,841	—	—	3,367,608	142,166,546	271,371	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Florida	Florida	Georgia	Georgia	Hawaii	Hawaii	Hawaii
	Gulf Power Co	Tampa Electric Co	Georgia Power Co	Savannah Electric & Power Co	Citizens Utilities Co ⁴	Hawaiian Electric Co Inc ⁴	Maui Electric Co Ltd ⁴
Investor-Owned							
Purchases (thousand kWh)	88,767	109,821	2,872,627	22,812	—	—	—
Cost (dollars).....	2,364,962	17,688,139	90,044,767	692,684	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	13,208,490	—	—	—	—	—
Energy.....	2,364,962	4,441,144	90,044,767	692,684	—	—	—
Other ²	—	38,505	—	—	—	—	—
Federal							
Purchases (thousand kWh)	22,761	—	55,994	2,800	—	—	—
Cost (dollars).....	168,413	—	1,213,124	60,653	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	168,413	—	1,213,124	60,653	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	281	—	1,673,906	106	—	—	—
Cost (dollars).....	6,320	—	96,189,396	2,397	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	6,320	—	119,435,670	2,397	—	—	—
Other ²	—	—	-23,246,274	—	—	—	—
Municipal							
Purchases (thousand kWh)	-1,164	17,634	25,578	159	—	—	—
Cost (dollars).....	14,348	1,706,694	414,511	5,442	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	1,044,343	—	—	—	—	—
Energy.....	14,348	662,029	615,452	5,442	—	—	—
Other ²	—	322	-200,941	—	—	—	—
Cooperative							
Purchases (thousand kWh)	12,119	7,876	2,394,044	843	—	—	—
Cost (dollars).....	198,030	259,404	75,912,962	15,199	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	17,407	—	—	—	—	—
Energy.....	198,030	238,365	75,912,962	15,199	—	—	—
Other ²	—	3,632	—	—	—	—	—
Other³							
Purchases (thousand kWh)	1,277,329	459,168	4,147,391	2,955,578	75,297	2,977,412	102,032
Cost (dollars).....	29,827,620	13,782,479	85,834,025	56,060,125	5,794,504	233,337,499	7,584,167
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	6,111,902	6,483,330	—	2,147,770	2,156,000	—	2,101,958
Energy.....	23,715,718	7,299,149	85,834,025	53,912,355	3,638,504	126,125,334	5,482,209
Other ²	—	—	—	—	—	107,212,165	—
Total							
Purchases (thousand kWh)	1,400,093	594,499	11,169,540	2,982,298	75,297	2,977,412	102,032
Cost (dollars).....	32,579,693	33,436,716	349,608,785	56,836,500	5,794,504	233,337,499	7,584,167
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	6,111,902	20,753,570	—	2,147,770	2,156,000	—	2,101,958
Energy.....	26,467,791	12,640,687	373,056,000	54,688,730	3,638,504	126,125,334	5,482,209
Other ²	—	42,459	-23,447,215	—	—	107,212,165	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Idaho	Illinois	Illinois	Illinois	Illinois	Illinois	Illinois
	Idaho Power Co	Central Illinois Light Co	Central Illinois Public Service Co	Commonwealth Edison Co ⁵	Electric Energy Inc	Illinois Power Co	Mt Carmel Public Utility Co
Investor-Owned							
Purchases (thousand kWh)	1,177,087	321,117	3,059,097	3,613,251	8,020,169	2,677,057	191,156
Cost (dollars).....	25,796,062	8,807,110	49,098,526	155,889,958	124,740,361	41,734,287	6,710,617
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	-2,380,316	3,895,100	6,121,244	35,680,988	—	5,126,477	3,300,316
Energy.....	28,176,378	4,912,010	42,977,282	120,208,970	124,740,361	36,607,810	3,410,301
Other ²	—	—	—	—	—	—	—
Federal							
Purchases (thousand kWh)	353,861	—	137,969	—	481,863	239,167	—
Cost (dollars).....	5,998,110	—	3,911,628	—	8,832,287	6,133,353	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	100,000	—	—	182,000	—
Energy.....	5,998,110	—	3,811,628	—	8,832,287	5,951,353	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	64,677	—	—	—	—	—	—
Cost (dollars).....	1,130,500	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	1,130,500	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	47,660	22,341	16,076	2,520	—	13,237	—
Cost (dollars).....	951,858	369,096	292,469	50,400	—	300,245	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	14,400	—	—	15,000	—
Energy.....	951,858	369,096	278,069	50,400	—	285,245	—
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	102,774	—	53,109	—	—	184,925	—
Cost (dollars).....	1,531,768	—	1,013,117	—	—	3,924,409	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	10,000	—	—	264,100	—
Energy.....	1,531,768	—	1,003,117	—	—	3,660,309	—
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	532,395	11,186	36,597	127,904	—	29,566	—
Cost (dollars).....	24,784,670	272,431	1,174,326	2,054,030	230,926	528,965	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	2,194,341	81,804	76,000	—	—	—	—
Energy.....	22,590,329	190,627	1,098,326	2,054,030	—	528,965	—
Other ²	—	—	—	—	230,926	—	—
Total							
Purchases (thousand kWh)	2,278,454	354,644	3,302,848	3,743,675	8,502,032	3,143,952	191,156
Cost (dollars).....	60,192,968	9,448,637	55,490,066	157,994,388	133,803,574	52,621,259	6,710,617
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	-185,975	3,976,904	6,321,644	35,680,988	—	5,587,577	3,300,316
Energy.....	60,378,943	5,471,733	49,168,422	122,313,400	133,572,648	47,033,682	3,410,301
Other ²	—	—	—	—	230,926	—	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Indiana Alcoa Generating Corp ⁴	Indiana Commonwealth Edison of Indiana ⁵	Indiana Michigan Power Co	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana PSI Energy Inc	Indiana Southern Indiana Gas & Electric Co
Investor-Owned							
Purchases (thousand kWh)	307,140	—	3,726,917	174,724	1,695,844	1,849,944	191,717
Cost (dollars).....	6,474,222	—	95,529,254	18,346,489	31,036,566	38,416,035	3,014,471
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	7,700	—	47,456,146	14,679,824	1,866,930	2,866,141	111,888
Energy.....	6,466,522	—	48,073,108	3,666,665	29,169,636	35,549,894	2,902,583
Other ²	—	—	—	—	—	—	—
Federal							
Purchases (thousand kWh)	—	—	27,696	—	—	—	—
Cost (dollars).....	—	—	1,218,635	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	1,218,635	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	—	13,748	—	—	—	—
Cost (dollars).....	—	—	251,420	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	251,420	—	—	—	—
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	—	—	85,207	31,812	750	151,524	26,102
Cost (dollars).....	—	—	1,094,344	713,512	13,284	2,802,826	473,381
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	4,200
Energy.....	—	—	1,094,344	713,512	13,284	2,802,826	469,181
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	—	—	1,904,215	49	9,706	5,601	113,039
Cost (dollars).....	—	—	33,140,475	145	270,179	169,321	2,000,900
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	3,500
Energy.....	—	—	33,140,475	145	270,179	169,321	1,997,400
Other ²	—	—	—	—	—	—	—
Total							
Purchases (thousand kWh)	307,140	—	5,757,783	206,585	1,706,300	2,007,069	330,858
Cost (dollars).....	6,474,222	—	131,234,128	19,060,146	31,320,029	41,388,182	5,488,752
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	7,700	—	47,456,146	14,679,824	1,866,930	2,866,141	119,588
Energy.....	6,466,522	—	83,777,982	4,380,322	29,453,099	38,522,041	5,369,164
Other ²	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Iowa Interstate Power Co	Iowa IES Utilities Inc	Iowa Iowa- Illinois Gas & Electric Co	Iowa Midwest Power Systems Inc	Kansas Kansas Gas & Electric Co	Kansas Western Resources Inc	Kansas WestPlains Energy Inc (UtilCorp)
Investor-Owned							
Purchases (thousand kWh)	1,837,204	1,617,921	510,977	254,332	207,666	82,362	115,461
Cost (dollars).....	50,263,198	46,644,149	9,279,666	4,221,223	4,296,419	1,585,614	2,304,095
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	24,567,000	18,243,706	—	—	—	—	37,036
Energy.....	24,675,187	28,400,443	9,279,666	4,221,223	4,296,419	1,585,614	2,269,306
Other ²	1,021,011	—	—	—	—	—	-2,247
Federal							
Purchases (thousand kWh)	39,960	110,563	—	151,117	—	—	—
Cost (dollars).....	656,642	1,872,587	—	2,609,089	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	656,642	1,872,587	—	2,609,089	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	4,947	95,271	20,292	1,834,429	8,845	272,100	—
Cost (dollars).....	88,298	1,428,096	388,006	119,228,906	100,013	3,411,931	—
Demand Charge Only ¹	—	—	—	1,380,000	—	—	—
Demand.....	—	—	—	10,500,000	—	—	—
Energy.....	88,298	1,428,096	388,006	13,971,726	100,013	3,411,931	—
Other ²	—	—	—	93,377,180	—	—	—
Municipal							
Purchases (thousand kWh)	3,232	65,980	11,133	184,838	—	7,768	—
Cost (dollars).....	78,919	1,852,635	221,584	3,712,768	—	1,932,372	—
Demand Charge Only ¹	30,000	180,000	—	660,000	—	—	—
Demand.....	—	379,652	—	396,000	—	1,585,907	—
Energy.....	48,919	1,314,346	221,584	2,656,768	—	346,465	—
Other ²	—	-21,363	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	365,099	679,396	186,279	675,974	103,528	69	606,482
Cost (dollars).....	7,252,222	12,325,474	3,004,286	11,385,157	1,468,499	1,420	10,105,058
Demand Charge Only ¹	—	273,678	—	10,196	—	—	—
Demand.....	2,173,617	—	—	1,316,693	—	—	—
Energy.....	4,623,077	12,051,616	3,004,286	10,058,268	1,468,499	1,420	10,105,058
Other ²	455,528	180	—	—	—	—	—
Other³							
Purchases (thousand kWh)	—	51,097	71,912	45,257	61,077	9,716	—
Cost (dollars).....	—	4,671,493	517,571	-2,344,200	1,278,878	232,380	—
Demand Charge Only ¹	—	—	—	58,075	—	—	—
Demand.....	—	3,980,880	—	977,298	—	—	—
Energy.....	—	690,613	517,571	1,025,948	1,278,878	232,380	—
Other ²	—	—	—	-4,405,521	—	—	—
Total							
Purchases (thousand kWh)	2,250,442	2,620,228	800,593	3,145,947	381,116	372,015	721,943
Cost (dollars).....	58,339,279	68,794,434	13,411,113	138,812,943	7,143,809	7,163,717	12,409,153
Demand Charge Only ¹	30,000	453,678	—	2,108,271	—	—	—
Demand.....	26,740,617	22,604,238	—	13,189,991	—	1,585,907	37,036
Energy.....	30,092,123	45,757,701	13,411,113	34,543,022	7,143,809	5,577,810	12,374,364
Other ²	1,476,539	-21,183	—	88,971,659	—	—	-2,247

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Union Light Heat & Power Co	Louisiana Catalyst Old River Hydro ⁵	Louisiana Central Louisiana Electric Co	Louisiana Louisiana Power & Light Co
Investor-Owned							
Purchases (thousand kWh)	2,743,413	1,585,460	236,488	3,213,371	—	39,879	1,929,187
Cost (dollars).....	73,791,623	39,854,958	3,649,127	135,740,008	—	644,467	95,179,964
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	40,648,902	21,368,153	233	59,743,392	—	—	75,450,468
Energy.....	33,142,721	18,474,932	1,831,582	89,182,984	—	644,467	19,729,496
Other ²	—	11,873	1,817,312	-13,186,368	—	—	—
Federal							
Purchases (thousand kWh)	10,247	28,445	117,044	—	—	—	619,158
Cost (dollars).....	450,530	1,110,320	2,866,708	—	—	—	11,782,850
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	23,086	—	—	—	—
Energy.....	450,530	1,110,320	2,843,622	—	—	—	11,782,850
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	—	160	—	—	73,640	73,627
Cost (dollars).....	—	—	11,200	—	—	1,859,884	1,584,344
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	11,200	—	—	1,859,884	1,584,344
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	5,169	1,451,391	—	—	—	5,710	11
Cost (dollars).....	92,286	20,447,206	—	—	—	202,977	-10,968
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	4,281,014	—	—	—	—	—
Energy.....	92,286	16,166,192	—	—	—	202,977	-10,968
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	9,887	1,621	229,250	—	—	163,778	563,324
Cost (dollars).....	206,589	29,788	3,227,073	—	—	3,167,085	10,522,182
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	181,250	—	—	—	—
Energy.....	206,589	29,788	3,045,823	—	—	3,167,085	10,522,182
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	1,100,680	—	—	—	—	547,474	9,409,521
Cost (dollars).....	20,024,028	—	—	—	—	12,255,847	247,505,764
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	20,024,028	—	—	—	—	11,379,214	233,571,711
Other ²	—	—	—	—	—	876,633	13,934,053
Total							
Purchases (thousand kWh)	3,869,396	3,066,917	582,942	3,213,371	—	830,481	12,594,828
Cost (dollars).....	94,565,056	61,442,272	9,754,108	135,740,008	—	18,130,260	366,564,136
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	40,648,902	25,649,167	204,569	59,743,392	—	—	75,450,468
Energy.....	53,916,154	35,781,232	7,732,227	89,182,984	—	17,253,627	277,179,615
Other ²	—	11,873	1,817,312	-13,186,368	—	876,633	13,934,053

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Louisiana New Orleans Public Service Inc	Louisiana Southwestern Electric Power Co	Maine Aroostook Valley Electric Co ⁵	Maine Bangor Hydro- Electric Co	Maine Central Maine Power Co	Maine Maine Electric Power Co Inc	Maine Maine Public Service Co
Investor-Owned							
Purchases (thousand kWh)	1,613,342	72,975	—	1,152,847	3,953,331	—	337,814
Cost (dollars).....	103,788,776	1,891,664	—	28,253,109	118,332,337	—	9,990,205
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	93,075,496	—	—	11,201,678	—	—	—
Energy.....	10,713,280	1,847,299	—	17,051,431	36,461,508	—	9,990,205
Other ²	—	44,365	—	—	81,870,829	—	—
Federal							
Purchases (thousand kWh)	122,697	—	—	—	—	—	—
Cost (dollars).....	2,334,916	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	2,334,916	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	5,688	—	—	—	—	—
Cost (dollars).....	—	97,490	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	97,490	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	2	58,694	—	—	4,354	—	—
Cost (dollars).....	-2,174	303,825	—	—	395,179	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	-2,174	303,825	—	—	395,179	—	—
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	111,772	1,423,808	—	—	—	—	—
Cost (dollars).....	2,087,863	8,742,586	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	2,087,863	8,742,586	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	1,729,346	587,796	—	544,188	4,880,856	1,084,102	367,326
Cost (dollars).....	37,725,825	9,207,992	—	65,481,454	386,698,808	22,046,694	19,576,063
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	36,722,387	7,906,336	—	65,481,454	390,824,785	22,016,497	19,576,063
Other ²	1,003,438	1,301,656	—	—	-4,125,977	30,197	—
Total							
Purchases (thousand kWh)	3,577,159	2,148,961	—	1,697,035	8,838,541	1,084,102	705,140
Cost (dollars).....	145,935,206	20,243,557	—	93,734,563	505,426,324	22,046,694	29,566,268
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	93,075,496	—	—	11,201,678	—	—	—
Energy.....	51,856,272	18,897,536	—	82,532,885	427,681,472	22,016,497	29,566,268
Other ²	1,003,438	1,346,021	—	—	77,744,852	30,197	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Maine Maine Yankee Atomic Power Co ⁵	Maryland Allegheny Generating Co ⁵	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co	Massachusetts Cambridge Electric Light Co	Massachusetts Canal Electric Co
Investor-Owned							
Purchases (thousand kWh)	—	—	4,393,646	5,798,624	2,451,179	887,756	341,520
Cost (dollars).....	—	—	144,391,677	216,601,881	100,001,941	40,569,698	14,093,983
Demand Charge Only ¹	—	—	—	—	-430,000	436,142	2,322,222
Demand.....	—	—	51,905,529	49,736,712	62,930,730	29,472,577	8,418,597
Energy.....	—	—	64,399,393	92,241,073	37,501,211	10,660,979	3,353,164
Other ²	—	—	28,086,755	74,624,096	—	—	—
Federal							
Purchases (thousand kWh)	—	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	—	—	—	13,935	—	—
Cost (dollars).....	—	—	—	—	306,573	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	41,805	—	—
Energy.....	—	—	—	—	264,768	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	—	—	248	16,091	—	—
Cost (dollars).....	—	—	—	4,029	336,162	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	65	27,321	—	—
Energy.....	—	—	—	3,964	308,841	—	—
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	—	—	156,135	—	—	—	—
Cost (dollars).....	—	—	2,548,286	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	2,548,286	—	—	—	—
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	—	—	1,719,869	112,693	4,974,195	663,289	135,924
Cost (dollars).....	—	—	59,993,087	742,639	241,119,497	32,068,515	11,581,708
Demand Charge Only ¹	—	—	—	—	-3,510,380	—	—
Demand.....	—	—	6,456,700	15,339	40,920,854	18,882,820	10,212,334
Energy.....	—	—	53,536,387	727,300	203,709,023	11,357,770	1,369,374
Other ²	—	—	—	—	—	1,827,925	—
Total							
Purchases (thousand kWh)	—	—	6,269,650	5,911,565	7,455,400	1,551,045	477,444
Cost (dollars).....	—	—	206,933,050	217,348,549	341,764,173	72,638,213	25,675,691
Demand Charge Only ¹	—	—	—	—	-3,940,380	436,142	2,322,222
Demand.....	—	—	58,362,229	49,752,116	103,920,710	48,355,397	18,630,931
Energy.....	—	—	120,484,066	92,972,337	241,783,843	22,018,749	4,722,538
Other ²	—	—	28,086,755	74,624,096	—	1,827,925	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Massachusetts Commonwealth Electric Co	Massachusetts Eastern Edison Co ⁴	Massachusetts Fitchburg Gas & Electric Light Co	Massachusetts Holyoke Power & Electric Co	Massachusetts Holyoke Water Power Co	Massachusetts Massachusetts Electric Co	Massachusetts Montaup Electric Co
Investor-Owned							
Purchases (thousand kWh)	1,928,884	2,662,286	110,624	917,023	886,262	16,457,414	2,964,424
Cost (dollars).....	126,936,041	183,700,989	4,372,352	32,196,834	29,849,851	1,074,325,669	135,094,605
Demand Charge Only ¹	3,900,400	—	—	—	—	—	—
Demand.....	94,316,699	139,960,864	3,099,733	—	—	552,152,218	104,520,578
Energy.....	28,683,186	43,740,125	1,272,619	17,761,386	15,414,403	358,327,649	30,574,027
Other ²	35,756	—	—	14,435,448	14,435,448	163,845,802	—
Federal							
Purchases (thousand kWh)	—	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	—	7,346	—	—	—	3,042
Cost (dollars).....	—	—	168,945	—	—	—	784,804
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	633,820
Energy.....	—	—	168,945	—	—	—	150,984
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	236	—	—	—	322	57,651
Cost (dollars).....	—	22,907	—	—	—	38,319	5,578,155
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	19,280	—	—	—	—	3,922,833
Energy.....	—	3,627	—	—	—	38,319	1,655,322
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	—	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	2,819,578	129	263,791	—	30,435	1,402	322,847
Cost (dollars).....	160,959,595	9,179,152	15,222,875	—	364,647	37,564	27,891,540
Demand Charge Only ¹	251,759	—	—	—	—	—	475,470
Demand.....	78,740,419	—	10,378,737	—	—	—	13,313,611
Energy.....	96,572,654	2,200	4,844,138	—	364,647	37,564	14,102,459
Other ²	-14,605,237	9,176,952	—	—	—	—	—
Total							
Purchases (thousand kWh)	4,748,462	2,662,651	381,761	917,023	916,697	16,459,138	3,347,964
Cost (dollars).....	287,895,636	192,903,048	19,764,172	32,196,834	30,214,498	1,074,401,552	169,349,104
Demand Charge Only ¹	4,152,159	—	—	—	—	—	475,470
Demand.....	173,057,118	139,980,144	13,478,470	—	—	552,152,218	122,390,842
Energy.....	125,255,840	43,745,952	6,285,702	17,761,386	15,779,050	358,403,532	46,482,792
Other ²	-14,569,481	9,176,952	—	14,435,448	14,435,448	163,845,802	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Massachusetts New England Hydro Trans Elec Co ⁶	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co ⁵	Michigan Consumers Power Co	Michigan Detroit Edison Co	Michigan Edison Sault Electric Co
Investor-Owned							
Purchases (thousand kWh)	—	5,456,207	1,015,379	—	1,970,347	1,904,554	420,738
Cost (dollars).....	—	233,937,406	39,802,220	—	40,634,412	46,125,103	16,554,776
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	52,100,407	—	—	5,722,527	11,311,487	6,028,528
Energy.....	—	80,045,909	11,384,042	—	34,921,763	34,813,616	9,822,828
Other ²	—	101,791,090	28,418,178	—	-9,878	—	703,420
Federal							
Purchases (thousand kWh)	—	—	—	—	—	—	138,603
Cost (dollars).....	—	—	—	—	—	—	1,724,228
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	1,724,228
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	177,799	126	—	3,924	187,313	—
Cost (dollars).....	—	6,330	1,931	—	97,011	8,823,770	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	6,330	1,931	—	97,011	2,852,507	—
Other ²	—	—	—	—	—	5,971,263	—
Municipal							
Purchases (thousand kWh)	—	—	152	—	498,401	5,576	—
Cost (dollars).....	—	—	2,337	—	35,306,134	66,635	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	24,768,291	—	—
Energy.....	—	—	2,337	—	10,564,243	66,635	—
Other ²	—	—	—	—	-26,400	—	—
Cooperative							
Purchases (thousand kWh)	—	1,431	—	—	35,493	—	46
Cost (dollars).....	—	29,180	—	—	1,129,978	—	2,412
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	311,364	—	—
Energy.....	—	29,180	—	—	818,614	—	2,412
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	—	5,536,102	1,236,668	—	11,929,929	4,503,595	—
Cost (dollars).....	—	279,610,222	44,758,885	—	566,706,228	103,577,281	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	356,148,705	10,929,141	—
Energy.....	—	231,010,410	44,758,885	—	211,214,753	91,299,333	—
Other ²	—	48,599,812	—	—	-657,230	1,348,807	—
Total							
Purchases (thousand kWh)	—	11,171,539	2,252,325	—	14,438,094	6,601,038	559,387
Cost (dollars).....	—	513,583,138	84,565,373	—	643,873,763	158,592,789	18,281,416
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	52,100,407	—	—	386,950,887	22,240,628	6,028,528
Energy.....	—	311,091,829	56,147,195	—	257,616,384	129,032,091	11,549,468
Other ²	—	150,390,902	28,418,178	—	-693,508	7,320,070	703,420

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Michigan Upper Peninsula Power Co	Minnesota Minnesota Power & Light Co	Minnesota Northern States Power Co	Minnesota Otter Tail Power Co	Mississippi Mississippi Power & Light Co	Mississippi Mississippi Power Co	Mississippi Systems Energy Resources Inc ⁵
Investor-Owned							
Purchases (thousand kWh)	594,459	372,651	1,330,310	54,103	3,158,160	61,773	—
Cost (dollars).....	16,284,123	5,058,512	68,741,815	862,211	200,253,155	1,875,776	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	5,641,104	—	2,281,446	—	178,992,978	—	—
Energy.....	10,648,126	5,058,512	18,855,540	862,211	21,260,177	1,875,776	—
Other ²	-5,107	—	47,604,829	—	—	—	—
Federal							
Purchases (thousand kWh)	—	171,352	268,107	—	261,323	7,581	—
Cost (dollars).....	—	2,937,792	4,725,058	—	4,970,367	164,249	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	2,937,792	4,725,058	—	4,970,367	164,249	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	495,243	155,530	524,159	—	288	—
Cost (dollars).....	—	7,148,768	2,816,418	7,073,748	—	6,491	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	7,148,768	2,816,418	7,073,748	—	6,491	—
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	17,072	72,441	134,934	714	430	—
Cost (dollars).....	—	440,325	2,346,067	2,024,541	51,402	14,736	—
Demand Charge Only ¹	—	103,950	—	—	—	—	—
Demand.....	—	—	630,000	—	—	—	—
Energy.....	—	336,375	1,716,067	2,024,541	51,402	14,736	—
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	—	2,521,495	753,989	353,046	238,093	4,318	—
Cost (dollars).....	—	58,433,708	24,922,519	6,955,521	4,447,448	126,508	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	38,681,930	16,073,207	1,311,414	—	—	—
Energy.....	—	19,751,778	8,849,312	5,644,107	4,447,448	126,508	—
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	—	742,399	6,897,107	683,659	1,171,474	3,673,860	—
Cost (dollars).....	—	13,762,033	193,938,934	11,801,188	25,296,238	69,066,136	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	3,426,333	86,407,103	1,447,632	—	627,591	—
Energy.....	—	10,335,700	107,531,831	10,353,556	25,296,238	68,426,702	—
Other ²	—	—	—	—	—	11,843	—
Total							
Purchases (thousand kWh)	594,459	4,320,212	9,477,484	1,749,901	4,829,764	3,748,250	—
Cost (dollars).....	16,284,123	87,781,138	297,490,811	28,717,209	235,018,610	71,253,896	—
Demand Charge Only ¹	—	103,950	—	—	—	—	—
Demand.....	5,641,104	42,108,263	105,391,756	2,759,046	178,992,978	627,591	—
Energy.....	10,648,126	45,568,925	144,494,226	25,958,163	56,025,632	70,614,462	—
Other ²	-5,107	—	47,604,829	—	—	11,843	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Missouri Empire District Electric Co	Missouri Kansas City Power & Light Co	Missouri Missouri Public Service Co (UtilCorp)	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Montana Montana Power Co	Nevada Nevada Power Co
Investor-Owned							
Purchases (thousand kWh)	653,492	521,886	388,894	334,340	7,423,463	704,660	2,158,601
Cost (dollars).....	12,387,835	11,733,841	13,779,376	7,112,740	140,463,625	15,949,629	83,600,605
Demand Charge Only ¹	—	—	—	—	—	55,350	14,590,800
Demand.....	3,230,181	36,851	7,284,337	1,679,600	36,501,705	—	19,407,000
Energy.....	9,157,654	9,296,990	6,511,334	5,433,140	103,961,920	15,899,266	49,602,805
Other ²	—	2,400,000	-16,295	—	—	-4,987	—
Federal							
Purchases (thousand kWh)	—	—	—	—	470,729	627,196	125,255
Cost (dollars).....	—	—	—	—	10,626,217	32,530,752	2,952,370
Demand Charge Only ¹	—	—	—	—	—	900,000	—
Demand.....	—	—	—	—	507,000	—	—
Energy.....	—	—	—	—	10,119,217	31,558,274	2,622,150
Other ²	—	—	—	—	—	72,478	330,220
State and Other							
Government							
Purchases (thousand kWh)	129,996	110,903	—	221,752	—	—	1,207,202
Cost (dollars).....	2,270,653	1,463,544	—	2,986,723	—	977	26,775,291
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	338,688	—	—	—	—	—	5,384,706
Energy.....	1,931,965	1,463,544	—	2,986,723	—	977	20,429,539
Other ²	—	—	—	—	—	—	961,046
Municipal							
Purchases (thousand kWh)	54,743	8,399	5,622	15,428	—	312,799	408,152
Cost (dollars).....	1,012,569	1,784,951	117,940	242,296	—	1,952,609	16,443,730
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	148,176	—	—	—	—	45,854	6,878,422
Energy.....	864,393	207,151	117,940	242,296	—	1,906,755	9,565,308
Other ²	—	1,577,800	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	540,083	331,822	89,401	10,753	37,550	1,002,909	2,025
Cost (dollars).....	18,799,415	17,032,276	9,736,793	263,596	691,501	19,710,887	42,725
Demand Charge Only ¹	—	—	—	—	—	72,450	—
Demand.....	7,580,240	—	6,795,000	—	—	—	—
Energy.....	11,219,175	7,776,026	2,941,793	263,596	691,501	19,638,437	42,725
Other ²	—	9,256,250	—	—	—	—	—
Other³							
Purchases (thousand kWh)	16,526	5,476	—	109	386,997	365,440	2,291,905
Cost (dollars).....	454,955	1,890,892	—	52,685	10,862,156	19,234,068	127,342,348
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	396,249	3,876,118	71,131,617
Energy.....	446,455	1,890,892	—	—	10,465,907	15,414,331	56,210,731
Other ²	8,500	—	—	52,685	—	-56,381	—
Total							
Purchases (thousand kWh)	1,394,840	978,486	483,917	582,382	8,318,739	3,013,004	6,193,140
Cost (dollars).....	34,925,427	33,905,504	23,634,109	10,658,040	162,643,499	89,378,922	257,157,069
Demand Charge Only ¹	—	—	—	—	—	1,027,800	14,590,800
Demand.....	11,297,285	36,851	14,079,337	1,679,600	37,404,954	3,921,972	102,801,745
Energy.....	23,619,642	20,634,603	9,571,067	8,925,755	125,238,545	84,418,040	138,473,258
Other ²	8,500	13,234,050	-16,295	52,685	—	11,110	1,291,266

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Nevada	New Hampshire	New Hampshire	New Hampshire	New Hampshire	New Hampshire	New Hampshire
	Sierra Pacific Power Co	Concord Electric Co ⁴	Connecticut Valley Electric Co Inc ⁴	Exeter & Hampton Electric Co ⁴	Granite State Electric Co ⁴	Great Bay Power Corp	New England Trans Elec Corp
Investor-Owned							
Purchases (thousand kWh)	1,943,338	488,154	132,348	511,302	719,363	—	—
Cost (dollars).....	63,586,708	34,263,742	9,466,296	36,042,226	45,167,679	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	26,773,500	16,075,027	7,270,728	16,988,710	21,997,430	—	—
Energy.....	35,351,903	9,287,186	1,936,974	9,728,930	16,044,384	—	—
Other ²	1,461,305	8,901,529	258,594	9,324,586	7,125,865	—	—
Federal							
Purchases (thousand kWh)	10,302	—	—	—	—	—	—
Cost (dollars).....	177,863	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	176,263	—	—	—	—	—	—
Other ²	1,600	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	62,945	—	65	—	—	—	—
Cost (dollars).....	1,995,638	—	1,655	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	225,000	—	—	—	—	—	—
Energy.....	1,770,638	—	1,655	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	183,061	—	1,872	—	—	—	—
Cost (dollars).....	6,414,468	—	145,031	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	28,786	—	—	—	—
Energy.....	6,256,968	—	116,245	—	—	—	—
Other ²	157,500	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	484,395	—	—	—	—	—	—
Cost (dollars).....	10,068,118	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	3,120,000	—	—	—	—	—	—
Energy.....	6,948,118	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	802,963	—	38,175	—	1,019	489	—
Cost (dollars).....	42,580,317	—	3,906,654	—	29,081	8,152	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	2,407,714	—	—	—	—	—	—
Energy.....	40,460,048	—	3,906,654	—	29,081	8,152	—
Other ²	-287,445	—	—	—	—	—	—
Total							
Purchases (thousand kWh)	3,487,004	488,154	172,460	511,302	720,382	489	—
Cost (dollars).....	124,823,112	34,263,742	13,519,636	36,042,226	45,196,760	8,152	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	32,526,214	16,075,027	7,299,514	16,988,710	21,997,430	—	—
Energy.....	90,963,938	9,287,186	5,961,528	9,728,930	16,073,465	8,152	—
Other ²	1,332,960	8,901,529	258,594	9,324,586	7,125,865	—	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	New Hampshire New England Hydro-Trans Corp	New Hampshire North Atlantic Energy Corp ⁵	New Hampshire Public Service Co of NH	New Hampshire UNITIL Power Corp	New Jersey Atlantic City Electric Co	New Jersey Jersey Central Power & Light Co	New Jersey Public Service Electric & Gas Co
Investor-Owned							
Purchases (thousand kWh)	—	—	3,527,180	576,382	2,830,277	5,452,541	4,936,408
Cost (dollars).....	—	—	189,091,846	36,961,982	108,724,662	247,060,927	119,966,945
Demand Charge Only ¹	—	—	—	—	—	2,801,927	—
Demand.....	—	—	—	27,322,158	—	158,597,132	—
Energy.....	—	—	24,771,499	9,639,824	54,840,422	85,936,440	119,966,945
Other ²	—	—	164,320,347	—	53,884,240	-274,572	—
Federal							
Purchases (thousand kWh)	—	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	—	221	2,891	—	—	101,797
Cost (dollars).....	—	—	3,388	66,481	—	—	2,139,081
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	3,388	66,481	—	—	2,139,081
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	—	8,402	—	39,787	1,829,816	—
Cost (dollars).....	—	—	712,369	—	1,442,500	111,126,349	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	1,522	—
Energy.....	—	—	712,369	—	1,441,643	111,124,827	—
Other ²	—	—	—	—	857	—	—
Cooperative							
Purchases (thousand kWh)	—	—	134,851	—	—	—	—
Cost (dollars).....	—	—	10,073,074	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	450,368	—	—	—	—
Other ²	—	—	9,622,706	—	—	—	—
Other³							
Purchases (thousand kWh)	—	—	2,663,966	411,260	2,219,978	4,605,012	7,936,457
Cost (dollars).....	—	—	124,680,961	26,333,868	149,386,555	240,421,901	335,545,432
Demand Charge Only ¹	—	—	—	1,154,724	—	—	—
Demand.....	—	—	—	15,100,537	—	3,407,216	46,308,774
Energy.....	—	—	124,680,961	10,078,607	72,309,037	232,749,941	289,397,971
Other ²	—	—	—	—	77,077,518	4,264,744	-161,313
Total							
Purchases (thousand kWh)	—	—	6,334,620	990,533	5,090,042	11,887,369	12,974,662
Cost (dollars).....	—	—	324,561,638	63,362,331	259,553,717	598,609,177	457,651,458
Demand Charge Only ¹	—	—	—	1,154,724	—	2,801,927	—
Demand.....	—	—	—	42,422,695	—	162,005,870	46,308,774
Energy.....	—	—	150,618,585	19,784,912	128,591,102	429,811,208	411,503,997
Other ²	—	—	173,943,053	—	130,962,615	3,990,172	-161,313

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	New Jersey Rockland Electric Co ⁴	New Mexico Public Service Co of NM	New Mexico Texas-New Mexico Power Co ⁴	New York Central Hudson Gas & Electric Corp	New York Consolidated Edison Co-NY Inc	New York Long Island Lighting Co	New York Long Sault Inc ⁶
Investor-Owned							
Purchases (thousand kWh)	1,319,412	373,790	1,675,578	1,269,960	7,396,901	1,135,694	—
Cost (dollars).....	67,066,331	14,730,093	51,454,897	26,872,971	158,422,072	25,340,483	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	21,785,092	7,020,000	18,437,768	—	—	—	—
Energy.....	43,487,981	7,445,376	7,398,565	26,872,971	158,422,072	25,335,452	—
Other ²	1,793,258	264,717	25,618,564	—	—	5,031	—
Federal							
Purchases (thousand kWh)	—	—	—	—	—	—	—
Cost (dollars).....	—	11,135	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	11,135	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	793,062	—	105,001	1,818,288	2,244,631	—
Cost (dollars).....	—	605,991	—	3,887,079	79,372,612	74,294,640	—
Demand Charge Only ¹	—	—	—	1,352,400	—	—	—
Demand.....	—	5,741,551	—	431,978	37,841,185	11,951,200	—
Energy.....	—	14,555,525	—	2,102,701	41,531,427	62,343,440	—
Other ²	—	-19,691,085	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	2,404	130	—	—	95	—
Cost (dollars).....	—	56,993	2,860	—	—	4,921	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	56,965	—	—	—	4,921	—
Other ²	—	28	2,860	—	—	—	—
Cooperative							
Purchases (thousand kWh)	—	240	—	—	—	—	—
Cost (dollars).....	—	11,133	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	4,995	—	—	—	—	—
Other ²	—	6,138	—	—	—	—	—
Other³							
Purchases (thousand kWh)	—	-93,732	1,232,974	261,464	11,928,203	4,259,689	—
Cost (dollars).....	—	1,158,564	61,674,946	10,462,456	543,960,056	167,462,966	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	36,859,715	71,292	188,910,082	—	—
Energy.....	—	33,187	1,676,389	10,391,164	318,415,396	167,462,966	—
Other ²	—	1,125,377	23,138,842	—	36,634,578	—	—
Total							
Purchases (thousand kWh)	1,319,412	1,075,764	2,908,682	1,636,425	21,143,392	7,640,109	—
Cost (dollars).....	67,066,331	16,573,909	113,132,703	41,222,506	781,754,740	267,103,010	—
Demand Charge Only ¹	—	—	—	1,352,400	—	—	—
Demand.....	21,785,092	12,761,551	55,297,483	503,270	226,751,267	11,951,200	—
Energy.....	43,487,981	22,096,048	9,074,954	39,366,836	518,368,895	255,146,779	—
Other ²	1,793,258	-18,283,690	48,760,266	—	36,634,578	5,031	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co	North Carolina Nantahala Power & Light Co
Investor-Owned							
Purchases (thousand kWh)	1,087,010	312,721	756,533	349,715	2,922,748	74,575	518,227
Cost (dollars).....	10,654,533	9,193,617	20,458,290	7,497,266	132,737,806	14,040,083	24,401,377
Demand Charge Only ¹	—	6,690	4,251,029	—	—	—	—
Demand.....	4,417,343	265,037	300,013	761,683	76,632,368	11,645,520	13,646,565
Energy.....	5,459,859	8,918,992	15,907,248	6,735,583	56,104,906	2,376,112	10,754,812
Other ²	777,331	2,898	—	—	532	18,451	—
Federal							
Purchases (thousand kWh)	—	—	—	—	101,228	—	22,617
Cost (dollars).....	—	—	—	—	2,421,834	—	8,521,548
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	7,796,400
Energy.....	—	—	—	—	2,421,834	—	725,148
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	656,754	8,073,697	339,638	1,375,620	80,210	322	—
Cost (dollars).....	6,412,744	125,069,573	7,967,849	22,515,451	3,726,159	20,370	—
Demand Charge Only ¹	—	7,452,000	—	—	—	—	—
Demand.....	1,116,000	25,213,939	690,000	8,093,037	—	12,500	—
Energy.....	3,845,944	92,403,634	7,277,849	14,422,414	3,726,159	7,870	—
Other ²	1,450,800	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	5,550	790,093	—	—	637,439	6,256,944	—
Cost (dollars).....	332,485	45,186,967	—	—	64,461,697	429,611,093	—
Demand Charge Only ¹	—	—	—	—	—	-186,490	—
Demand.....	—	—	—	—	49,692,934	361,385,401	—
Energy.....	332,485	45,186,967	—	—	9,210,232	65,302,783	—
Other ²	—	—	—	—	5,558,531	3,109,399	—
Cooperative							
Purchases (thousand kWh)	175	—	—	—	—	2,797,817	—
Cost (dollars).....	22,457	—	—	—	—	279,660,095	—
Demand Charge Only ¹	—	—	—	—	—	-139,867	—
Demand.....	—	—	—	—	—	251,507,101	—
Energy.....	22,457	—	—	—	—	27,657,759	—
Other ²	—	—	—	—	—	635,102	—
Other³							
Purchases (thousand kWh)	3,890,146	16,255,953	528,707	210,832	3,289,632	704,129	—
Cost (dollars).....	222,197,184	931,616,092	20,204,695	4,401,610	210,396,227	29,934,036	2,195,524
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	719,987	390,419	446,779	37,462,731	—	—
Energy.....	214,872,011	924,212,250	19,089,694	3,954,831	172,944,722	29,934,036	—
Other ²	7,325,173	6,683,855	724,582	—	-11,226	—	2,195,524
Total							
Purchases (thousand kWh)	5,639,635	25,432,464	1,624,878	1,936,167	7,031,257	9,833,787	540,844
Cost (dollars).....	239,619,403	1,111,066,249	48,630,834	34,414,327	413,743,723	753,265,677	35,118,449
Demand Charge Only ¹	—	7,458,690	4,251,029	—	—	-326,357	—
Demand.....	5,533,343	26,198,963	1,380,432	9,301,499	163,788,033	624,550,522	21,442,965
Energy.....	224,532,756	1,070,721,843	42,274,791	25,112,828	244,407,853	125,278,560	11,479,960
Other ²	9,553,304	6,686,753	724,582	—	5,547,837	3,762,952	2,195,524

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	North Carolina Yadkin Inc ⁵	North Dakota MDU Resources Group Inc	Ohio AEP Generating Co ⁵	Ohio Cincinnati Gas & Electric Co	Ohio Cleveland Electric Illuminating Co	Ohio Columbus Southern Power Co	Ohio Dayton Power & Light Co
Investor-Owned							
Purchases (thousand kWh)	—	237,691	—	870,604	2,093,573	388,375	791,213
Cost (dollars).....	—	6,816,027	—	15,849,925	132,890,445	11,564,651	18,395,394
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	2,659,869	—	121,807	4,877,575	152,264	2,911,355
Energy.....	—	4,156,158	—	12,697,433	128,551,526	11,412,387	15,268,491
Other ²	—	—	—	3,030,685	-538,656	—	215,548
Federal							
Purchases (thousand kWh)	—	25,139	—	—	—	25,187	—
Cost (dollars).....	—	172,529	—	—	—	1,107,371	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	338,587	—	—	—	1,107,371	—
Other ²	—	-166,058	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	3,975	—	—	—	—	—
Cost (dollars).....	—	49,977	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	49,977	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	1,600	—	—	152	10,961	72
Cost (dollars).....	—	29,312	—	—	3,898	247,495	6,466
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	536	—	—
Energy.....	—	29,312	—	—	3,362	247,495	6,466
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	—	431,335	—	248,933	—	25,098	—
Cost (dollars).....	—	12,636,323	—	5,011,614	—	510,242	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	8,674,719	—	200,000	—	—	—
Energy.....	—	3,963,838	—	4,512,605	—	510,242	—
Other ²	—	-2,234	—	299,009	—	—	—
Other³							
Purchases (thousand kWh)	—	—	—	—	61,159	3,184,081	105,657
Cost (dollars).....	—	—	—	—	1,843,709	121,109,853	2,884,915
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	155,558
Energy.....	—	—	—	—	1,843,709	121,109,853	2,729,357
Other ²	—	—	—	—	—	—	—
Total							
Purchases (thousand kWh)	—	699,740	—	1,119,537	2,154,884	3,633,702	896,942
Cost (dollars).....	—	19,704,168	—	20,861,539	134,738,052	134,539,612	21,286,775
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	11,334,588	—	321,807	4,878,111	152,264	3,066,913
Energy.....	—	8,537,872	—	17,210,038	130,398,597	134,387,348	18,004,314
Other ²	—	-168,292	—	3,329,694	-538,656	—	215,548

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Ohio Indiana-Kentucky Electric Corp ⁵	Ohio Ohio Edison Co	Ohio Ohio Power Co	Ohio Ohio Valley Electric Corp	Ohio Toledo Edison Co	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma
Investor-Owned							
Purchases (thousand kWh)	—	1,483,168	1,315,026	9,354,871	616,578	714,158	104,560
Cost (dollars).....	—	37,043,628	36,175,845	136,339,806	16,399,654	11,773,204	2,591,673
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	8,279,482	260,141	—	2,604,382	—	—
Energy.....	—	28,690,399	35,915,704	—	13,464,391	10,605,519	2,591,673
Other ²	—	73,747	—	136,339,806	330,881	1,167,685	—
Federal							
Purchases (thousand kWh)	—	—	43,047	—	—	—	5,357
Cost (dollars).....	—	—	1,889,909	—	—	—	110,571
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	1,889,909	—	—	—	110,571
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	—	—	—	—	—	22,823
Cost (dollars).....	—	—	—	—	—	—	418,072
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	418,072
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	42	21,848	—	—	—	—
Cost (dollars).....	—	710	385,539	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	710	385,539	—	—	—	—
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	—	578,276	43,250	—	—	285,793	51,352
Cost (dollars).....	—	15,258,384	657,508	—	—	5,270,496	1,315,225
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	1,470,300	—	—	—	455,986	—
Energy.....	—	13,788,084	657,508	—	—	4,814,510	1,315,225
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	—	-363	1,417,128	—	113,605	3,386,937	1,202,182
Cost (dollars).....	—	—	20,847,106	—	3,845,454	211,657,371	30,398,205
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	722,577	—	—
Energy.....	—	—	20,847,106	—	3,163,475	29,107,556	20,089,999
Other ²	—	—	—	—	-40,598	182,549,815	10,308,206
Total							
Purchases (thousand kWh)	—	2,061,123	2,840,299	9,354,871	730,183	4,386,888	1,386,274
Cost (dollars).....	—	52,302,722	59,955,907	136,339,806	20,245,108	228,701,071	34,833,746
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	9,749,782	260,141	—	3,326,959	455,986	—
Energy.....	—	42,479,193	59,695,766	—	16,627,866	44,527,585	24,525,540
Other ²	—	73,747	—	136,339,806	290,283	183,717,500	10,308,206

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Oregon	Oregon	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania
	PacifiCorp	Portland General Electric Co	Citizens Electric Co ⁴	Duquesne Light Co	Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co
Investor-Owned							
Purchases (thousand kWh)	2,363,146	3,855,031	159,600	520,200	680,208	431,027	1,788,198
Cost (dollars).....	66,562,608	98,380,394	6,459,944	18,061,266	39,623,150	14,665,604	84,502,654
Demand Charge Only ¹	—	10,734,000	—	—	4,729,665	1,471,022	—
Demand.....	14,583,600	2,800,000	2,207,219	3,500,682	14,010,843	2,423,367	1,005,541
Energy.....	51,403,843	84,988,950	4,633,907	14,560,584	20,882,642	10,701,157	73,492,920
Other ²	575,165	-142,556	-381,182	—	—	70,058	10,004,193
Federal							
Purchases (thousand kWh)	240,699	348,729	—	—	—	—	—
Cost (dollars).....	81,270,032	12,350,300	—	—	—	—	—
Demand Charge Only ¹	77,430,996	5,872,140	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	3,839,036	6,479,333	—	—	—	—	—
Other ²	—	-1,173	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	3,154,759	4,370,950	—	—	18,066	25,463	49,466
Cost (dollars).....	57,980,218	87,829,360	—	—	258,701	282,358	720,943
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	468,869	—	—	—	167,909	156,887	—
Energy.....	17,437,969	75,102,392	—	—	90,792	125,471	720,943
Other ²	40,073,380	12,726,968	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	622,117	757,858	—	17,864	3,907	237	29,971
Cost (dollars).....	31,515,056	16,971,097	—	1,071,840	297,918	10,612	1,798,260
Demand Charge Only ¹	—	571,040	—	—	—	—	—
Demand.....	21,210,064	—	—	—	—	—	—
Energy.....	10,304,992	16,278,890	—	1,071,840	297,918	10,612	1,798,260
Other ²	—	121,167	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	1,909,807	—	—	—	—	10,172	25,525
Cost (dollars).....	52,322,351	—	—	—	—	116,968	362,496
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	11,173,500	—	—	—	—	—	—
Energy.....	41,148,851	—	—	—	—	116,968	362,496
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	1,155,416	1,665,861	—	88,275	3,384,643	2,850,162	4,169,904
Cost (dollars).....	59,671,940	-4,860,064	—	2,069,169	146,696,792	143,154,170	199,633,573
Demand Charge Only ¹	—	—	—	—	69,904	—	—
Demand.....	18,349,486	7,450,082	—	—	3,745,024	3,174,780	5,119,260
Energy.....	40,760,043	33,669,970	—	2,069,169	142,953,628	140,024,491	194,131,854
Other ²	562,411	-45,980,116	—	—	-71,764	-45,101	382,459
Total							
Purchases (thousand kWh)	9,445,944	10,998,429	159,600	626,339	4,086,824	3,317,061	6,063,064
Cost (dollars).....	349,322,205	210,671,087	6,459,944	21,202,275	186,876,561	158,229,712	287,017,926
Demand Charge Only ¹	77,430,996	17,177,180	—	—	4,799,569	1,471,022	—
Demand.....	65,785,519	10,250,082	2,207,219	3,500,682	17,923,776	5,755,034	6,124,801
Energy.....	164,894,734	216,519,535	4,633,907	17,701,593	164,224,980	150,978,699	270,506,473
Other ²	41,210,956	-33,275,710	-381,182	—	-71,764	24,957	10,386,652

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Pennsylvania Pennsylvania Power Co	Pennsylvania PECO Energy Co	Pennsylvania Safe Harbor Water Power Corp ⁵	Pennsylvania Susquehanna Electric Co ⁵	Pennsylvania West Penn Power Co	Pennsylvania York Haven Power Co ⁵	Rhode Island Blackstone Valley Electric Co ⁴
Investor-Owned							
Purchases (thousand kWh)	656,473	2,091,686	—	—	3,886,812	—	1,309,749
Cost (dollars).....	12,570,174	23,188,193	—	—	155,223,472	—	94,948,008
Demand Charge Only ¹	—	3,135,025	—	—	—	—	—
Demand.....	—	662,630	—	—	57,704,140	—	71,100,319
Energy.....	12,570,174	615,798	—	—	58,731,292	—	20,414,213
Other ²	—	18,774,740	—	—	38,788,040	—	3,433,476
Federal							
Purchases (thousand kWh)	—	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	70,633	—	—	—	—	—
Cost (dollars).....	—	705,205	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	705,205	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	—	—	—	339	—	—
Cost (dollars).....	—	—	—	—	5,496	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	88	—	—
Energy.....	—	—	—	—	5,408	—	—
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	—	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	870	5,823,609	—	—	2,248,382	—	1,332
Cost (dollars).....	13,572	145,663,285	—	—	92,195,651	—	21,800
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	13,023,880	—	—	52,106,682	—	—
Energy.....	13,572	130,891,993	—	—	40,088,969	—	21,800
Other ²	—	1,747,412	—	—	—	—	—
Total							
Purchases (thousand kWh)	657,343	7,985,928	—	—	6,135,533	—	1,311,081
Cost (dollars).....	12,583,746	169,556,683	—	—	247,424,619	—	94,969,808
Demand Charge Only ¹	—	3,135,025	—	—	—	—	—
Demand.....	—	13,686,510	—	—	109,810,910	—	71,100,319
Energy.....	12,583,746	132,212,996	—	—	98,825,669	—	20,436,013
Other ²	—	20,522,152	—	—	38,788,040	—	3,433,476

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Rhode Island	Rhode Island	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina
	Narragansett Electric Co	Newport Electric Corp	Ocean State Power #2 ⁵	Ocean State Power Co ⁵	Lockhart Power Co	South Carolina Electric & Gas Co	South Carolina Generating Co Inc ⁵
Investor-Owned							
Purchases (thousand kWh)	5,003,497	542,825	—	—	272,563	4,396,390	—
Cost (dollars).....	300,561,687	35,497,840	—	—	12,949,497	107,818,823	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	148,361,928	26,373,242	—	—	6,674,718	—	—
Energy.....	107,705,066	7,555,298	—	—	7,518,923	107,818,823	—
Other ²	44,494,693	1,569,300	—	—	-1,244,144	—	—
Federal							
Purchases (thousand kWh)	—	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Purchases (thousand kWh)	—	—	—	—	—	7,743	—
Cost (dollars).....	—	—	—	—	—	906,676	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	906,676	—
Other ²	—	—	—	—	—	—	—
Municipal							
Purchases (thousand kWh)	—	4,543	—	—	—	—	—
Cost (dollars).....	—	1,268,567	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	1,034,669	—	—	—	—	—
Energy.....	—	233,898	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Cooperative							
Purchases (thousand kWh)	—	—	—	—	—	101,477	—
Cost (dollars).....	—	—	—	—	—	1,760,511	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	1,760,511	—
Other ²	—	—	—	—	—	—	—
Other³							
Purchases (thousand kWh)	1,255	18,659	—	—	2,939	85,651	—
Cost (dollars).....	115,824	1,222,131	—	—	155,962	2,414,156	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	531,621	—	—	—	—	—
Energy.....	115,824	688,789	—	—	67,148	2,414,156	—
Other ²	—	1,721	—	—	88,814	—	—
Total							
Purchases (thousand kWh)	5,004,752	566,027	—	—	275,502	4,591,261	—
Cost (dollars).....	300,677,511	37,988,538	—	—	13,105,459	112,900,166	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	148,361,928	27,939,532	—	—	6,674,718	—	—
Energy.....	107,820,890	8,477,985	—	—	7,586,071	112,900,166	—
Other ²	44,494,693	1,571,021	—	—	-1,155,330	—	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	South Dakota Black Hills Corp	South Dakota Northwestern Public Service Co	Tennessee Kingsport Power Co ⁴	Texas Central Power & Light Co	Texas El Paso Electric Co	Texas Gulf States Utilities Co	Texas Houston Lighting & Power Co
Investor-Owned							
Purchases (thousand kWh)	455,280	14,049	1,923,169	73,661	943,899	773,235	136,462
Cost (dollars).....	23,718,128	242,669	61,129,822	1,361,653	25,934,271	24,604,382	3,330,095
Demand Charge Only ¹	—	—	—	—	—	10,835,452	—
Demand.....	17,227,291	—	27,018,360	—	4,080,000	—	—
Energy.....	6,490,837	242,669	35,389,284	1,601,782	21,825,935	13,768,930	3,330,095
Other ²	—	—	-1,277,822	-240,129	28,336	—	—
Federal							
Purchases (thousand kWh)	—	23,651	—	56,352	—	668,473	—
Cost (dollars).....	136,661	436,327	—	815,503	121,287	12,716,629	—
Demand Charge Only ¹	125,746	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	436,327	—	815,503	—	12,716,629	—
Other ²	10,915	—	—	—	121,287	—	—
State and Other							
Government							
Purchases (thousand kWh)	17,974	11,129	—	800	131,243	657,497	8,478
Cost (dollars).....	467,479	166,996	—	15,403	3,023,577	15,442,274	163,018
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	467,479	166,996	—	15,403	3,002,238	8,216,627	163,018
Other ²	—	—	—	—	21,339	7,225,647	—
Municipal							
Purchases (thousand kWh)	—	2,976	—	24,786	5,255	14	65,651
Cost (dollars).....	—	52,076	—	617,449	132,646	-11,953	1,617,718
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	52,076	—	617,449	130,221	-11,953	1,617,718
Other ²	—	—	—	—	2,425	—	—
Cooperative							
Purchases (thousand kWh)	121,230	15,635	—	150	1,630	1,690,035	9,278
Cost (dollars).....	5,457,371	255,399	—	2,475	64,562	30,124,874	129,785
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	3,320,100	—	—	—	—	—	—
Energy.....	2,137,271	255,399	—	2,475	34,410	30,124,874	129,785
Other ²	—	—	—	—	30,152	—	—
Other³							
Purchases (thousand kWh)	—	—	—	2,196,117	23,990	4,096,212	9,887,580
Cost (dollars).....	—	—	—	39,498,305	652,308	120,896,509	403,722,663
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	145,512,133
Energy.....	—	—	—	38,474,203	652,308	113,106,782	258,262,798
Other ²	—	—	—	1,024,102	—	7,789,727	-52,268
Total							
Purchases (thousand kWh)	594,484	67,440	1,923,169	2,351,866	1,106,017	7,885,466	10,107,449
Cost (dollars).....	29,779,639	1,153,467	61,129,822	42,310,788	29,928,651	203,772,715	408,963,279
Demand Charge Only ¹	125,746	—	—	—	—	10,835,452	—
Demand.....	20,547,391	—	27,018,360	—	4,080,000	—	145,512,133
Energy.....	9,095,587	1,153,467	35,389,284	41,526,815	25,645,112	177,921,889	263,503,414
Other ²	10,915	—	-1,277,822	783,973	203,539	15,015,374	-52,268

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Texas Utilities Electric Co	Texas Texas-New Mexico Power Co	Texas West Texas Utilities Co	Vermont Central Vermont Public Service Corp
Investor-Owned						
Purchases (thousand kWh)	458,083	4,491	68,910	1,640,970	19,893	1,811,167
Cost (dollars).....	22,971,744	127,631	1,627,965	81,103,189	612,228	72,455,218
Demand Charge Only ¹	—	—	—	—	—	1,928,930
Demand.....	12,677,627	—	—	51,769,421	—	52,196,469
Energy.....	8,581,416	—	1,482,921	4,677,613	586,052	13,492,414
Other ²	1,712,701	127,631	145,044	24,656,155	26,176	4,837,405
Federal						
Purchases (thousand kWh)	—	40	—	—	—	—
Cost (dollars).....	—	752	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—
Other ²	—	752	—	—	—	—
State and Other						
Government						
Purchases (thousand kWh)	692,604	—	7,413	—	—	422,493
Cost (dollars).....	23,505,600	—	136,988	—	6,176	11,690,080
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	6,859,758	—	—	—	—	4,553,434
Energy.....	13,035,068	—	133,428	—	—	7,042,918
Other ²	3,610,774	—	3,560	—	6,176	93,728
Municipal						
Purchases (thousand kWh)	—	245	49,101	—	2,115	12,044
Cost (dollars).....	—	4,577	1,164,168	—	64,518	551,207
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	233,365
Energy.....	—	—	1,083,353	—	57,820	317,842
Other ²	—	4,577	80,815	—	6,698	—
Cooperative						
Purchases (thousand kWh)	—	775	25,766	—	—	2,883
Cost (dollars).....	—	36,857	284,181	—	1,683	140,298
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	54,598
Energy.....	—	—	381,245	—	—	85,700
Other ²	—	36,857	-97,064	—	1,683	—
Other³						
Purchases (thousand kWh)	-2,198	241,769	11,509,561	1,195	267,448	1,255,865
Cost (dollars).....	-499,912	4,231,018	498,110,426	24,558	4,459,853	54,272,053
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	-210,145	—	231,080,778	—	—	20,969,029
Energy.....	-232,508	—	267,029,648	24,558	4,381,037	32,952,531
Other ²	-57,259	4,231,018	—	—	78,816	350,493
Total						
Purchases (thousand kWh)	1,148,489	247,320	11,660,751	1,642,165	289,456	3,504,452
Cost (dollars).....	45,977,432	4,400,835	501,323,728	81,127,747	5,144,458	139,108,856
Demand Charge Only ¹	—	—	—	—	—	1,928,930
Demand.....	19,327,240	—	231,080,778	51,769,421	—	78,006,895
Energy.....	21,383,976	—	270,110,595	4,702,171	5,024,909	53,891,405
Other ²	5,266,216	4,400,835	132,355	24,656,155	119,549	5,281,626

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Vermont Citizens Utilities Co ⁴	Vermont Green Mountain Power Corp	Vermont Vermont Electric Power Co Inc	Vermont Vermont Electric Trans Co ⁶	Vermont Vermont Yankee Nuclear Power Corp ⁵	Virginia Appalachian Power Co
Investor-Owned						
Purchases (thousand kWh)	42,670	843,194	909,096	—	—	1,135,628
Cost (dollars).....	2,338,875	34,882,111	30,943,972	—	—	29,449,138
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	1,332,779	25,062,972	18,475,519	—	—	3,309,602
Energy.....	997,096	6,172,554	11,605,972	—	—	26,139,536
Other ²	9,000	3,646,585	862,481	—	—	—
Federal						
Purchases (thousand kWh)	—	—	—	—	—	53,259
Cost (dollars).....	—	—	—	—	—	2,331,631
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	—	—	—	—	2,331,631
Other ²	—	—	—	—	—	—
State and Other						
Government						
Purchases (thousand kWh)	—	41,102	—	—	—	—
Cost (dollars).....	—	1,825,000	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	990,109	—	—	—	—
Energy.....	—	834,891	—	—	—	—
Other ²	—	—	—	—	—	—
Municipal						
Purchases (thousand kWh)	2,344	34,548	—	—	—	28,400
Cost (dollars).....	95,925	1,488,806	—	—	—	480,528
Demand Charge Only ¹	—	-1,063	—	—	—	—
Demand.....	—	949,474	—	—	—	—
Energy.....	95,925	540,395	—	—	—	480,528
Other ²	—	—	—	—	—	—
Cooperative						
Purchases (thousand kWh)	7	27,512	—	—	—	52,722
Cost (dollars).....	899	629,438	—	—	—	1,063,990
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	259,360	—	—	—	—
Energy.....	899	370,078	—	—	—	1,063,990
Other ²	—	—	—	—	—	—
Other³						
Purchases (thousand kWh)	219,158	1,083,503	—	—	—	10,404,895
Cost (dollars).....	12,727,398	37,251,622	—	—	—	286,432,837
Demand Charge Only ¹	—	-2,161	—	—	—	—
Demand.....	6,237,715	8,445,881	—	—	—	—
Energy.....	6,489,683	28,773,287	—	—	—	286,432,837
Other ²	—	34,615	—	—	—	—
Total						
Purchases (thousand kWh)	264,179	2,029,859	909,096	—	—	11,674,904
Cost (dollars).....	15,163,097	76,076,977	30,943,972	—	—	319,758,124
Demand Charge Only ¹	—	-3,224	—	—	—	—
Demand.....	7,570,494	35,707,796	18,475,519	—	—	3,309,602
Energy.....	7,583,603	36,691,205	11,605,972	—	—	316,448,522
Other ²	9,000	3,681,200	862,481	—	—	—

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Virginia	Washington	Washington	West Virginia	West Virginia	West Virginia
	Virginia Electric & Power Co	Puget Sound Power & Light Co	Washington Water Power Co	Kanawha Valley Power Co ⁵	Monongahela Power Co	West Virginia Power (UtilCorp) ⁴
Investor-Owned						
Purchases (thousand kWh)	3,807,202	2,512,773	1,516,673	—	2,493,306	398,410
Cost (dollars).....	125,105,539	88,749,918	38,888,249	—	93,192,607	13,871,195
Demand Charge Only ¹	5,520,000	200,000	622,125	—	—	—
Demand.....	57,290,953	42,724,920	—	—	35,535,048	6,787,248
Energy.....	62,294,586	45,824,998	38,266,124	—	37,414,743	8,003,678
Other ²	—	—	—	—	20,242,816	-919,731
Federal						
Purchases (thousand kWh)	—	2,032,164	660,413	—	—	—
Cost (dollars).....	—	66,989,148	28,870,780	—	—	—
Demand Charge Only ¹	—	—	3,182,952	—	—	—
Demand.....	—	824,880	—	—	—	—
Energy.....	—	61,962,045	25,537,564	—	—	—
Other ²	—	4,202,223	150,264	—	—	—
State and Other						
Government						
Purchases (thousand kWh)	23,417	6,418,946	1,346,923	—	—	—
Cost (dollars).....	—	86,503,611	11,726,163	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	1,077,000	—	—	—	—
Energy.....	—	85,426,611	11,726,163	—	—	—
Other ²	—	—	—	—	—	—
Municipal						
Purchases (thousand kWh)	737	1,203,927	101,748	—	184	—
Cost (dollars).....	43,775	35,185,944	2,343,900	—	2,981	—
Demand Charge Only ¹	—	—	100,800	—	—	—
Demand.....	7,149	—	—	—	48	—
Energy.....	36,626	35,185,944	2,243,100	—	2,933	—
Other ²	—	—	—	—	—	—
Cooperative						
Purchases (thousand kWh)	2,533,510	—	—	—	—	—
Cost (dollars).....	125,648,021	—	2,748	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	63,779,472	—	—	—	—	—
Energy.....	61,868,549	—	2,748	—	—	—
Other ²	—	—	—	—	—	—
Other³						
Purchases (thousand kWh)	9,525,050	4,100,232	696,883	—	1,299,305	—
Cost (dollars).....	773,316,068	117,366,184	24,431,999	—	68,841,500	—
Demand Charge Only ¹	-738,900	—	—	—	—	—
Demand.....	517,035,125	188,467	—	—	41,691,912	—
Energy.....	257,019,843	181,986,019	24,390,651	—	27,149,588	—
Other ²	—	-64,808,302	41,348	—	—	—
Total						
Purchases (thousand kWh)	15,889,916	16,268,042	4,322,640	—	3,792,795	398,410
Cost (dollars).....	1,024,113,403	394,794,805	106,263,839	—	162,037,088	13,871,195
Demand Charge Only ¹	4,781,100	200,000	3,905,877	—	—	—
Demand.....	638,112,699	44,815,267	—	—	77,227,008	6,787,248
Energy.....	381,219,604	410,385,617	102,166,350	—	64,567,264	8,003,678
Other ²	—	-60,606,079	191,612	—	20,242,816	-919,731

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	West Virginia Wheeling Power Co ⁴	Wisconsin Consolidated Water Power Co	Wisconsin Madison Gas & Electric Co	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Electric Co	Wisconsin Pioneer Power & Light Co
Investor-Owned						
Purchases (thousand kWh)	1,767,743	1,057,694	414,526	5,199,022	130,760	24,131
Cost (dollars).....	57,188,940	26,177,406	9,280,121	174,143,834	3,735,347	809,339
Demand Charge Only ¹	—	—	1,640,000	—	—	—
Demand.....	18,326,400	6,563,996	1,331,666	—	880,000	364,260
Energy.....	38,862,540	19,613,410	6,508,455	—	2,855,347	506,994
Other ²	—	—	-200,000	174,143,834	—	-61,915
Federal						
Purchases (thousand kWh)	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—
Other ²	—	—	—	—	—	—
State and Other						
Government						
Purchases (thousand kWh)	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—
Other ²	—	—	—	—	—	—
Municipal						
Purchases (thousand kWh)	—	—	8	—	—	—
Cost (dollars).....	—	—	144	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	—	144	—	—	—
Other ²	—	—	—	—	—	—
Cooperative						
Purchases (thousand kWh)	—	—	5,581	—	—	—
Cost (dollars).....	—	—	115,457	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	—	115,457	—	—	—
Other ²	—	—	—	—	—	—
Other³						
Purchases (thousand kWh)	6,198	—	20,713	—	—	—
Cost (dollars).....	203,842	—	619,665	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	96,099	—	619,163	—	—	—
Other ²	107,743	—	502	—	—	—
Total						
Purchases (thousand kWh)	1,773,941	1,057,694	440,828	5,199,022	130,760	24,131
Cost (dollars).....	57,392,782	26,177,406	10,015,387	174,143,834	3,735,347	809,339
Demand Charge Only ¹	—	—	1,640,000	—	—	—
Demand.....	18,326,400	6,563,996	1,331,666	—	880,000	364,260
Energy.....	38,958,639	19,613,410	7,243,219	—	2,855,347	506,994
Other ²	107,743	—	-199,498	174,143,834	—	-61,915

See notes and footnotes at end of table.

Table 19. Electricity Purchases by Investor-Owned Utilities, by State, 1994 (Continued)

Source of Electricity by Ownership Class	Wisconsin South Beloit Water Gas & Elec Co	Wisconsin Superior Water Light & Power Co ⁴	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co	Wisconsin Wisconsin Public Service Corp	Wisconsin Wisconsin River Power Co ⁵
Investor-Owned						
Purchases (thousand kWh)	189,375	556,944	1,349,838	1,452,285	2,178,043	—
Cost (dollars).....	4,002,340	17,318,332	28,589,611	24,949,704	37,688,363	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	876,244	9,441,062	7,831,065	23,784	399,997	—
Energy.....	3,126,096	7,877,270	20,761,902	21,632,111	37,288,366	—
Other ²	—	—	-3,356	3,293,809	—	—
Federal						
Purchases (thousand kWh)	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—
Other ²	—	—	—	—	—	—
State and Other						
Government						
Purchases (thousand kWh)	—	—	—	—	—	—
Cost (dollars).....	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—
Other ²	—	—	—	—	—	—
Municipal						
Purchases (thousand kWh)	—	—	5,462	5,790	1,136	—
Cost (dollars).....	—	—	467,860	288,887	34,579	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	—	467,860	288,887	34,579	—
Other ²	—	—	—	—	—	—
Cooperative						
Purchases (thousand kWh)	—	—	523,890	303,818	—	—
Cost (dollars).....	—	—	10,309,598	12,234,969	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	3,400,000	—	—	—
Energy.....	—	—	6,909,598	6,153,969	—	—
Other ²	—	—	—	6,081,000	—	—
Other³						
Purchases (thousand kWh)	—	—	109,876	12,883	21,244	—
Cost (dollars).....	—	—	3,256,148	564,383	907,720	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	243,375	—
Energy.....	—	—	3,256,148	564,383	664,345	—
Other ²	—	—	—	—	—	—
Total						
Purchases (thousand kWh)	189,375	556,944	1,989,066	1,774,776	2,200,423	—
Cost (dollars).....	4,002,340	17,318,332	42,623,217	38,037,943	38,630,662	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	876,244	9,441,062	11,231,065	23,784	643,372	—
Energy.....	3,126,096	7,877,270	31,395,508	28,639,350	37,987,290	—
Other ²	—	—	-3,356	9,374,809	—	—

¹ Monetary settlements from contracts where electricity is not taken.

² Includes other transactions involving line and substation rentals, system support charges, and special contract transactions.

³ Includes transactions with power pools, utilities in Canada and Mexico, power marketers, and nonutilities.

⁴ FERC Form 1 respondent with purchased power transactions, but no sales for resale transactions.

⁵ FERC Form 1 respondent with sales for resale transactions, but no purchased power transactions.

⁶ FERC Form 1 respondent with only wheeling.

⁷ FERC Form 1 respondent with only exchanges.

—Not Applicable

Notes: •For identification purposes, the utilities are listed in the State in which the corporate office is located. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994

Purchaser of Electricity by Ownership Class	Alabama Alabama Power Co	Alabama Southern Electric Generating Co ⁵	Alaska Alaska Electric Light & Power ⁴	Arizona Arizona Public Service Co	Arizona Century Power Corp ⁵	Arizona Citizens Utilities Co	Arizona Tucson Electric Power Co
Investor-Owned							
Sales (thousand kWh)	2,896,991	4,857,523	—	1,982,499	71	—	1,560,668
Revenue (dollars)	198,624,210	148,965,816	—	67,482,973	1,704	—	41,481,072
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	27,939,840	—	—	9,965,900
Energy	198,624,210	148,965,816	—	39,543,133	1,704	—	31,515,172
Other ²	—	—	—	—	—	—	—
Federal							
Sales (thousand kWh)	318,887	—	—	256,525	—	—	72,754
Revenue (dollars)	9,541,071	—	—	11,581,226	—	—	1,320,194
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	6,335,760	—	—	—
Energy	9,541,071	—	—	5,245,466	—	—	1,320,194
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	33,768	—	—	251,373	—	—	995,958
Revenue (dollars)	1,331,310	—	—	10,183,294	—	—	45,287,487
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	5,143,470	—	—	25,278,499
Energy	1,331,310	—	—	5,039,824	—	—	20,008,988
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	3,132,122	—	—	190,080	—	—	129,634
Revenue (dollars)	131,987,929	—	—	4,244,664	—	—	2,576,186
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	50,121,397	—	—	981,302	—	—	105,000
Energy	90,207,226	—	—	3,263,362	—	—	2,471,186
Other ²	-8,340,694	—	—	—	—	—	—
Cooperative							
Sales (thousand kWh)	393,172	—	—	83,668	212,319	—	204,903
Revenue (dollars)	14,556,855	—	—	1,663,032	4,841,013	—	4,189,314
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	6,727,091	—	—	—	960,000	—	—
Energy	8,479,491	—	—	1,663,032	3,881,013	—	4,189,314
Other ²	-649,727	—	—	—	—	—	—
Other³							
Sales (thousand kWh)	8,432,769	—	—	78	74,089	1,383	141,603
Revenue (dollars)	163,480,154	—	—	1,884	1,654,733	117,527	3,034,371
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	51,793	—
Energy	158,541,709	—	—	1,884	1,654,733	37,638	3,034,371
Other ²	4,938,445	—	—	—	—	28,096	—
Total							
Sales (thousand kWh)	15,207,709	4,857,523	—	2,764,223	286,479	1,383	3,105,520
Revenue (dollars)	519,521,529	148,965,816	—	95,157,073	6,497,450	117,527	97,888,624
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	56,848,488	—	—	40,400,372	960,000	51,793	35,349,399
Energy	466,725,017	148,965,816	—	54,756,701	5,537,450	37,638	62,539,225
Other ²	-4,051,976	—	—	—	—	28,096	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Arkansas	Arkansas	California	California	California	Colorado	Colorado
	Arkansas Power & Light Co	Entergy Power Inc	Pacific Gas & Electric Co	San Diego Gas & Electric Co	Southern California Edison Co	Public Service Co of Colorado	WestPlains Energy Inc (UtilCorp)
Investor-Owned							
Sales (thousand kWh)	1,463,812	1,341,410	975,595	169,212	1,767,618	1,176,026	92
Revenue (dollars)	35,220,437	25,745,327	24,705,474	4,612,302	50,942,387	39,853,188	3,201
Demand Charge Only ¹	—	—	—	342,000	—	—	—
Demand	19,690,146	—	4,075,507	84,625	9,796,624	19,138,760	—
Energy	15,530,291	25,745,327	20,583,725	4,185,677	40,563,133	23,669,884	3,201
Other ²	—	—	46,242	—	582,630	-2,955,456	—
Federal							
Sales (thousand kWh)	—	—	612,668	33,512	1,629,196	20,520	—
Revenue (dollars)	—	265,000	32,966,237	676,601	37,390,057	452,133	—
Demand Charge Only ¹	—	—	18,276,819	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	14,689,418	676,601	37,390,057	452,133	—
Other ²	—	265,000	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	—	1,801,217	346,698	918,153	15,158	—
Revenue (dollars)	190,960	—	95,124,288	10,708,749	46,999,605	387,160	—
Demand Charge Only ¹	190,960	—	—	—	5,613,500	—	—
Demand	—	—	27,474,423	2,418,645	18,400,000	—	—
Energy	—	—	67,563,395	8,290,104	22,631,404	387,160	—
Other ²	—	—	86,470	—	354,701	—	—
Municipal							
Sales (thousand kWh)	1,713,315	—	867,864	112,152	1,882,138	94,662	1,242
Revenue (dollars)	75,310,560	—	48,529,866	4,504,057	55,692,408	3,042,642	46,457
Demand Charge Only ¹	141,072	—	—	—	—	—	—
Demand	21,553,674	—	22,932,250	1,188,000	18,565,819	897,457	2,641
Energy	53,615,814	—	25,137,066	3,316,057	36,617,461	2,300,517	29,575
Other ²	—	—	460,550	—	509,128	-155,332	14,241
Cooperative							
Sales (thousand kWh)	1,487,104	454,035	—	1,485	13,787	1,735,895	—
Revenue (dollars)	46,292,689	18,925,465	—	38,715	374,280	76,499,547	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	17,325,784	10,561,246	—	—	—	48,279,650	—
Energy	28,966,905	9,134,769	—	38,715	374,280	35,179,222	—
Other ²	—	-770,550	—	—	—	-6,959,325	—
Other³							
Sales (thousand kWh)	10,837,593	—	18,603	98,197	157,279	140	—
Revenue (dollars)	238,219,148	—	1,170,387	2,465,636	4,924,779	2,840	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	46,047	11,800	770,000	—	—
Energy	238,219,148	—	462,099	2,453,836	3,803,607	2,840	—
Other ²	—	—	662,241	—	351,172	—	—
Total							
Sales (thousand kWh)	15,501,824	1,795,445	4,275,947	761,256	6,368,171	3,042,401	1,334
Revenue (dollars)	395,233,794	44,935,792	202,496,252	23,006,060	196,323,516	120,237,510	49,658
Demand Charge Only ¹	332,032	—	18,276,819	342,000	5,613,500	—	—
Demand	58,569,604	10,561,246	54,528,227	3,703,070	47,532,443	68,315,867	2,641
Energy	336,332,158	34,880,096	128,435,703	18,960,990	141,379,942	61,991,756	32,776
Other ²	—	-505,550	1,255,503	—	1,797,631	-10,070,113	14,241

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Connecticut Connecticut Light & Power Co	Connecticut Connecticut Yankee Atomic Power Co ⁵	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co	Florida Florida Power Corp
Investor-Owned							
Sales (thousand kWh).....	3,277,252	3,801,749	536,382	2,425	6,575	334,781	277,724
Revenue (dollars).....	124,558,542	195,636,306	19,945,019	77,880	300,619	9,683,125	10,152,668
Demand Charge Only ¹	—	—	—	—	—	—	203,256
Demand.....	—	—	6,846,437	—	147,358	—	4,549,256
Energy.....	58,422,973	28,870,480	13,098,582	77,880	153,261	9,679,152	4,543,958
Other ²	66,135,569	166,765,826	—	—	—	3,973	856,198
Federal							
Sales (thousand kWh).....	—	—	—	—	—	—	19,104
Revenue (dollars).....	—	—	—	—	—	—	416,537
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	416,537
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh).....	230,995	—	—	—	—	—	—
Revenue (dollars).....	9,920,107	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	4,106,095	—	—	—	—	—	—
Other ²	5,814,012	—	—	—	—	—	—
Municipal							
Sales (thousand kWh).....	934,627	—	23,928	1,221,041	—	1,419,984	1,386,628
Revenue (dollars).....	48,852,888	—	790,420	46,617,425	—	36,344,461	65,918,205
Demand Charge Only ¹	—	—	—	—	—	—	116,484
Demand.....	15,223,343	—	299,667	18,488,060	—	12,541,706	27,176,919
Energy.....	24,543,699	—	490,753	29,453,279	—	14,840,559	25,744,962
Other ²	9,085,846	—	—	-1,323,914	—	8,962,196	12,879,840
Cooperative							
Sales (thousand kWh).....	—	—	—	1,434,132	2,356,346	982,536	532,133
Revenue (dollars).....	—	—	—	72,849,211	113,017,899	62,104,034	43,358,653
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	43,762,565	47,760,757	43,725,525	25,071,980
Energy.....	—	—	—	31,557,401	67,914,987	4,577,360	9,911,173
Other ²	—	—	—	-2,470,755	-2,657,845	13,801,149	8,375,500
Other³							
Sales (thousand kWh).....	1,529,937	—	723,181	1,729,454	799,837	1,057,444	123,807
Revenue (dollars).....	32,118,949	—	14,191,683	48,834,847	32,473,701	19,986,571	5,017,034
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	15,750	—	—	257,103	1,693,132
Energy.....	16,479,659	—	14,175,933	48,834,847	—	19,584,039	3,720,991
Other ²	15,639,290	—	—	—	32,473,701	145,429	-397,089
Total							
Sales (thousand kWh).....	5,972,811	3,801,749	1,283,491	4,387,052	3,162,758	3,794,745	2,339,396
Revenue (dollars).....	215,450,486	195,636,306	34,927,122	168,379,363	145,792,219	128,118,191	124,863,097
Demand Charge Only ¹	—	—	—	—	—	—	319,740
Demand.....	15,223,343	—	7,161,854	62,250,625	47,908,115	56,524,334	58,491,287
Energy.....	103,552,426	28,870,480	27,765,268	109,923,407	68,068,248	48,681,110	44,337,621
Other ²	96,674,717	166,765,826	—	-3,794,669	29,815,856	22,912,747	21,714,449

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Florida	Florida	Georgia	Georgia	Hawaii	Hawaii	Hawaii
	Gulf Power Co	Tampa Electric Co	Georgia Power Co	Savannah Electric & Power Co	Citizens Utilities Co ⁴	Hawaiian Electric Co Inc ⁴	Maui Electric Co Ltd ⁴
Investor-Owned							
Sales (thousand kWh)	972,630	1,151,512	3,554,082	148,423	—	—	—
Revenue (dollars)	47,195,886	45,122,628	135,203,051	3,413,796	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	24,631,122	20,873,004	65,034,315	445,487	—	—	—
Energy	24,935,261	24,245,220	70,168,736	2,968,309	—	—	—
Other ²	-2,370,497	4,404	—	—	—	—	—
Federal							
Sales (thousand kWh)	71,722	—	482,063	24,102	—	—	—
Revenue (dollars)	2,211,775	—	14,423,310	721,137	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	2,211,775	—	14,423,310	721,137	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	6,729	—	-639,020	2,552	—	—	—
Revenue (dollars)	265,290	—	-8,911,312	100,624	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	265,290	—	10,901,403	100,624	—	—	—
Other ²	—	—	-19,812,715	—	—	—	—
Municipal							
Sales (thousand kWh)	348,404	831,787	1,461,259	20,781	—	—	—
Revenue (dollars)	15,914,570	21,780,364	53,765,266	396,792	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	7,865,960	6,792,429	25,995,050	2,510	—	—	—
Energy	8,345,185	14,987,935	28,558,813	394,282	—	—	—
Other ²	-296,575	—	-788,597	—	—	—	—
Cooperative							
Sales (thousand kWh)	2,985	118,692	2,997,575	231	—	—	—
Revenue (dollars)	85,166	3,530,031	154,155,547	5,757	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	1,339,656	93,750,000	—	—	—	—
Energy	85,166	2,190,375	60,405,547	5,757	—	—	—
Other ²	—	—	—	—	—	—	—
Other³							
Sales (thousand kWh)	890,557	—	3,168,566	98,627	—	—	—
Revenue (dollars)	17,791,197	—	63,853,793	6,593,622	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	272,707	—	—	4,471,654	—	—	—
Energy	17,518,490	—	63,853,793	2,121,968	—	—	—
Other ²	—	—	—	—	—	—	—
Total							
Sales (thousand kWh)	2,293,027	2,101,991	11,024,525	294,716	—	—	—
Revenue (dollars)	83,463,884	70,433,023	412,489,655	11,231,728	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	32,769,789	29,005,089	184,779,365	4,919,651	—	—	—
Energy	53,361,167	41,423,530	248,311,602	6,312,077	—	—	—
Other ²	-2,667,072	4,404	-20,601,312	—	—	—	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Idaho	Illinois	Illinois	Illinois	Illinois	Illinois	Illinois
	Idaho Power Co	Central Illinois Light Co	Central Illinois Public Service Co	Commonwealth Edison Co ⁵	Electric Energy Inc	Illinois Power Co	Mt Carmel Public Utility Co
Investor-Owned							
Sales (thousand kWh)	1,696,101	335,414	3,328,119	6,731,518	2,756,157	2,544,481	—
Revenue (dollars)	44,843,327	6,965,550	72,999,109	102,458,533	62,727,963	52,808,311	—
Demand Charge Only ¹	455,930	—	—	—	—	—	—
Demand	5,407,500	522,500	9,786,676	9,979,821	32,392,300	7,924,552	—
Energy	38,979,897	6,443,050	61,441,399	92,478,712	30,335,663	44,883,759	—
Other ²	—	—	1,771,034	—	—	—	—
Federal							
Sales (thousand kWh)	16,360	—	621,372	—	567	1,067,570	—
Revenue (dollars)	361,245	—	8,169,660	—	7,261	14,518,542	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	361,245	—	8,169,660	—	7,261	14,518,542	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	312,022	—	—	—	—	—	—
Revenue (dollars)	7,636,911	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	3,013,500	—	—	—	—	—	—
Energy	4,623,411	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	89,256	39,337	915,367	1,752,705	—	7,793	3,092
Revenue (dollars)	2,406,792	1,217,996	27,550,326	80,585,736	—	480,915	117,278
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	883,228	385,007	11,391,945	22,148,363	—	263,626	55,794
Energy	1,523,174	568,010	15,806,852	58,421,450	—	500,929	47,314
Other ²	390	264,979	351,529	15,923	—	-283,640	14,170
Cooperative							
Sales (thousand kWh)	46,843	—	1,008,178	258,092	—	1,215,381	—
Revenue (dollars)	1,099,263	—	49,618,340	3,903,204	—	42,428,984	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	33,367,759	—	—	19,170,008	—
Energy	1,099,263	—	13,848,057	3,903,204	—	23,258,976	—
Other ²	—	—	2,402,524	—	—	—	—
Other³							
Sales (thousand kWh)	142,600	-51	40,435	1,165	—	2,400	—
Revenue (dollars)	3,575,830	-2,034	1,282,170	199,512	—	43,600	—
Demand Charge Only ¹	—	—	—	180,000	—	—	—
Demand	—	—	334,000	—	—	—	—
Energy	3,575,830	—	925,170	19,512	—	43,600	—
Other ²	—	-2,034	23,000	—	—	—	—
Total							
Sales (thousand kWh)	2,303,182	374,700	5,913,471	8,743,480	2,756,724	4,837,625	3,092
Revenue (dollars)	59,923,368	8,181,512	159,619,605	187,146,985	62,735,224	110,280,352	117,278
Demand Charge Only ¹	455,930	—	—	180,000	—	—	—
Demand	9,304,228	907,507	54,880,380	32,128,184	32,392,300	27,358,186	55,794
Energy	50,162,820	7,011,060	100,191,138	154,822,878	30,342,924	83,205,806	47,314
Other ²	390	262,945	4,548,087	15,923	—	-283,640	14,170

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Indiana Alcoa Generating Corp ⁴	Indiana Commonwealth Edison of Indiana ⁵	Indiana Indiana Michigan Power Co	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana PSI Energy Inc	Indiana Southern Indiana Gas & Electric Co
Investor-Owned							
Sales (thousand kWh).....	14,138	1,672,835	2,779,179	256,119	252,752	3,419,052	325,309
Revenue (dollars).....	248,463	98,871,263	89,593,909	4,509,987	5,240,542	62,472,093	6,842,961
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	25,728,888	41,669,033	368,121	253,142	3,785,031	7,700
Energy.....	248,463	73,142,375	47,924,876	4,141,866	4,987,400	58,687,062	6,139,966
Other ²	—	—	—	—	—	—	695,295
Federal							
Sales (thousand kWh).....	—	—	9,948	—	—	—	—
Revenue (dollars).....	—	—	277,443	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	277,443	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh).....	—	—	113,923	—	—	1,390,330	—
Revenue (dollars).....	—	—	6,741,782	—	36,814	39,992,904	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	5,247,000	—	—	18,087,111	—
Energy.....	—	—	1,481,102	—	36,814	22,954,064	—
Other ²	—	—	13,680	—	—	-1,048,271	—
Municipal							
Sales (thousand kWh).....	—	—	2,228,373	—	238,108	580,218	508,156
Revenue (dollars).....	—	—	84,321,110	—	10,674,143	16,568,889	22,621,777
Demand Charge Only ¹	—	—	—	—	1,844,027	—	—
Demand.....	—	—	53,071,171	—	2,722,937	7,321,031	10,069,092
Energy.....	—	—	30,236,773	—	8,214,736	9,721,913	11,326,695
Other ²	—	—	1,013,166	—	-2,107,557	-474,055	1,225,990
Cooperative							
Sales (thousand kWh).....	—	—	632,446	225,688	73,223	1,387,956	30,061
Revenue (dollars).....	—	—	21,201,428	4,268,296	6,568,956	46,906,507	1,896,378
Demand Charge Only ¹	—	—	—	—	—	—	7,500
Demand.....	—	—	12,468,566	739,832	4,184,750	23,035,224	980,000
Energy.....	—	—	8,508,678	3,610,239	2,384,206	24,410,140	908,878
Other ²	—	—	224,184	-81,775	—	-538,857	—
Other³							
Sales (thousand kWh).....	—	—	5,383,123	—	83	163,833	371,278
Revenue (dollars).....	—	—	150,753,216	—	1,154	2,840,623	6,307,506
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	3,514,520	—	—	338,377	69,875
Energy.....	—	—	147,238,696	—	1,154	2,607,860	6,237,631
Other ²	—	—	—	—	—	-105,614	—
Total							
Sales (thousand kWh).....	14,138	1,672,835	11,146,992	481,807	564,166	6,941,389	1,234,804
Revenue (dollars).....	248,463	98,871,263	352,888,888	8,778,283	22,521,609	168,781,016	37,668,622
Demand Charge Only ¹	—	—	—	—	1,844,027	—	7,500
Demand.....	—	25,728,888	115,970,290	1,107,953	7,160,829	52,566,774	11,126,667
Energy.....	248,463	73,142,375	235,667,568	7,752,105	15,624,310	118,381,039	24,613,170
Other ²	—	—	1,251,030	-81,775	-2,107,557	-2,166,797	1,921,285

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Iowa Interstate Power Co	Iowa IES Utilities Inc	Iowa Iowa- Illinois Gas & Electric Co	Iowa Midwest Power Systems Inc	Kansas Kansas Gas & Electric Co	Kansas Western Resources Inc	Kansas WestPlains Energy Inc (UtilCorp)
Investor-Owned							
Sales (thousand kWh).....	221,997	474,057	1,200,751	1,113,492	706,605	94,720	52,914
Revenue (dollars).....	4,207,950	9,945,429	22,598,559	33,026,465	14,665,646	2,269,913	1,184,155
Demand Charge Only ¹	5,000	—	—	—	—	—	—
Demand.....	913,740	1,709,826	3,569,458	18,859,600	2,345,036	11,040	—
Energy.....	3,289,210	7,269,398	19,029,101	14,166,865	12,293,874	2,258,873	1,184,155
Other ²	—	966,205	—	—	26,736	—	—
Federal							
Sales (thousand kWh).....	630	30,068	—	52,455	—	—	—
Revenue (dollars).....	7,754	679,673	—	760,386	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	153,660	—	—	—	—	—
Energy.....	7,754	439,620	—	760,386	—	—	—
Other ²	—	86,393	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh).....	394	18,016	14,601	2,424	25,828	242,642	—
Revenue (dollars).....	8,120	354,007	196,314	52,355	960,241	4,934,123	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	309,000	1,654,380	—
Energy.....	8,120	354,007	196,314	52,355	651,241	3,279,743	—
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh).....	247,745	478,426	42,823	712,456	746,253	972,442	219,522
Revenue (dollars).....	8,751,020	15,828,327	1,287,815	19,369,113	18,732,189	27,430,659	6,859,051
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	3,014,153	6,199,299	626,493	9,070,593	2,482,695	10,489,290	2,560,043
Energy.....	5,736,867	5,435,563	634,820	10,298,520	16,078,782	16,778,515	4,534,050
Other ²	—	4,193,465	26,502	—	170,712	162,854	-235,042
Cooperative							
Sales (thousand kWh).....	7,188	684,778	22,418	357,692	34,675	999,499	203,816
Revenue (dollars).....	193,401	10,298,431	527,244	5,123,331	2,970,249	32,858,486	6,137,347
Demand Charge Only ¹	—	—	—	12,640	—	—	—
Demand.....	—	351,607	135,000	—	2,375,090	14,356,557	2,176,945
Energy.....	193,401	9,743,537	392,244	5,110,691	595,159	18,499,306	4,057,367
Other ²	—	203,287	—	—	—	2,623	-96,965
Other³							
Sales (thousand kWh).....	—	19,595	30,654	55,326	76,613	—	—
Revenue (dollars).....	—	165,586	322,434	995,753	1,421,614	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	30,000	—	290,656	—	—	—
Energy.....	—	135,586	322,434	705,097	1,421,614	—	—
Other ²	—	—	—	—	—	—	—
Total							
Sales (thousand kWh).....	477,954	1,704,940	1,311,247	2,293,845	1,589,974	2,309,303	476,252
Revenue (dollars).....	13,168,245	37,271,453	24,932,366	59,327,403	38,749,939	67,493,181	14,180,553
Demand Charge Only ¹	5,000	—	—	12,640	—	—	—
Demand.....	3,927,893	8,444,392	4,330,951	28,220,849	7,511,821	26,511,267	4,736,988
Energy.....	9,235,352	23,377,711	20,574,913	31,093,914	31,040,670	40,816,437	9,775,572
Other ²	—	5,449,350	26,502	—	197,448	165,477	-332,007

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Union Light Heat & Power Co	Louisiana Catalyst Old River Hydro ⁵	Louisiana Central Louisiana Electric Co	Louisiana Louisiana Power & Light Co
Investor-Owned							
Sales (thousand kWh)	299,180	2,188,099	1,090,475	—	886,494	82	—
Revenue (dollars)	12,795,817	42,579,085	20,543,981	—	55,424,495	2,196	—
Demand Charge Only ¹	453,086	—	—	—	—	—	—
Demand	2,656,843	7,813,317	1,271,985	—	—	—	—
Energy	9,685,888	35,577,626	19,271,996	—	55,424,495	—	—
Other ²	—	-811,858	—	—	—	2,196	—
Federal							
Sales (thousand kWh)	3,647	115,043	587,607	—	—	—	—
Revenue (dollars)	101,658	2,170,676	10,400,427	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	101,658	2,170,676	10,400,427	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	—	146,039	—	—	3,764	—
Revenue (dollars)	—	—	2,946,787	—	—	87,986	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	462,672	—	—	—	—
Energy	—	—	2,484,115	—	—	—	—
Other ²	—	—	—	—	—	87,986	—
Municipal							
Sales (thousand kWh)	180,352	1,467,759	61,022	47,464	56,586	316,645	—
Revenue (dollars)	5,596,884	44,781,935	1,042,367	2,057,929	3,537,810	8,047,321	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	2,357,132	21,336,734	—	666,388	—	575,873	—
Energy	3,223,192	34,263,090	1,042,367	1,409,274	3,537,810	428,922	—
Other ²	16,560	-10,817,889	—	-17,733	—	7,042,526	—
Cooperative							
Sales (thousand kWh)	176	5,690	315,323	—	—	2,328	—
Revenue (dollars)	9,348	133,748	5,655,906	—	—	85,974	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	25,200	1,344,051	—	—	29,640	—
Energy	9,348	108,548	4,311,855	—	—	—	—
Other ²	—	—	—	—	—	56,334	—
Other³							
Sales (thousand kWh)	2,820,870	—	114,845	8	—	61,517	786,443
Revenue (dollars)	35,281,781	—	2,130,558	390	—	2,090,898	35,406,359
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	1,298,566	—	66,025	—	—	332,420	—
Energy	33,983,215	—	2,064,533	—	—	930	35,406,359
Other ²	—	—	—	390	—	1,757,548	—
Total							
Sales (thousand kWh)	3,304,225	3,776,591	2,315,311	47,472	943,080	384,336	786,443
Revenue (dollars)	53,785,488	89,665,444	42,720,026	2,058,319	58,962,305	10,314,375	35,406,359
Demand Charge Only ¹	453,086	—	—	—	—	—	—
Demand	6,312,541	29,175,251	3,144,733	666,388	—	937,933	—
Energy	47,003,301	72,119,940	39,575,293	1,409,274	58,962,305	429,852	35,406,359
Other ²	16,560	-11,629,747	—	-17,343	—	8,946,590	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Louisiana New Orleans Public Service Inc	Louisiana Southwestern Electric Power Co	Maine Aroostook Valley Electric Co ⁵	Maine Bangor Hydro- Electric Co	Maine Central Maine Power Co	Maine Maine Electric Power Co Inc	Maine Maine Public Service Co
Investor-Owned							
Sales (thousand kWh)	—	61,814	42,095	—	54,545	1,017,378	45,408
Revenue (dollars)	—	1,325,279	1,570,705	12,157	1,247,408	20,003,398	950,427
Demand Charge Only ¹	—	—	—	12,157	—	—	—
Demand	—	—	—	—	—	—	8,000
Energy	—	1,325,279	1,570,705	—	1,247,408	20,003,398	942,427
Other ²	—	—	—	—	—	—	—
Federal							
Sales (thousand kWh)	—	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	751	—	—	1,230	—	—
Revenue (dollars)	—	29,275	—	—	102,824	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	29,275	—	—	102,824	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	—	429,632	—	169	105,955	—	78,672
Revenue (dollars)	—	12,819,807	—	13,545	6,120,945	—	5,431,255
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	4,656,421	—	4,637	2,724,173	—	2,599,058
Energy	—	8,163,386	—	8,908	3,372,211	—	684,811
Other ²	—	—	—	—	24,561	—	2,147,386
Cooperative							
Sales (thousand kWh)	—	2,643,542	—	11,536	8,320	—	11,642
Revenue (dollars)	—	49,682,543	—	923,024	519,116	—	809,570
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	18,483,265	—	309,469	259,640	—	390,455
Energy	—	31,074,158	—	613,555	244,764	—	101,829
Other ²	—	125,120	—	—	14,712	—	317,286
Other³							
Sales (thousand kWh)	294,302	2,053,250	—	112,801	1,401,554	66,724	48,549
Revenue (dollars)	9,572,520	38,866,121	—	12,737,897	27,997,447	2,043,296	850,479
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	50,336
Energy	9,572,520	38,549,003	—	12,737,897	27,997,447	2,013,099	648,437
Other ²	—	317,118	—	—	—	30,197	151,706
Total							
Sales (thousand kWh)	294,302	5,188,989	42,095	124,506	1,571,604	1,084,102	184,271
Revenue (dollars)	9,572,520	102,723,025	1,570,705	13,686,623	35,987,740	22,046,694	8,041,731
Demand Charge Only ¹	—	—	—	12,157	—	—	—
Demand	—	23,139,686	—	314,106	2,983,813	—	3,047,849
Energy	9,572,520	79,141,101	1,570,705	13,360,360	32,964,654	22,016,497	2,377,504
Other ²	—	442,238	—	—	39,273	30,197	2,616,378

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Maine	Maryland	Maryland	Maryland	Massachusetts	Massachusetts	Massachusetts
	Maine Yankee Atomic Power Co ⁵	Allegheny Generating Co ⁵	Baltimore Gas & Electric Co	Potomac Edison Co	Boston Edison Co	Cambridge Electric Light Co	Canal Electric Co
Investor-Owned							
Sales (thousand kWh)	6,205,361	—	1,205,958	3,053,274	1,257,497	—	4,335,140
Revenue (dollars)	162,930,380	84,853,000	25,785,112	104,508,034	92,529,563	—	190,213,051
Demand Charge Only ¹	—	—	—	—	750,284	—	65,766
Demand	133,823,035	—	—	57,154,668	77,606,622	—	104,413,454
Energy	29,107,345	—	25,785,112	47,190,688	14,172,657	—	86,541,659
Other ²	—	84,853,000	—	162,678	—	—	-807,828
Federal							
Sales (thousand kWh)	—	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	347,007	—	—	574,586	693,653	98,867	2,520
Revenue (dollars)	9,111,139	—	—	22,004,773	44,020,924	5,453,122	68,885
Demand Charge Only ¹	—	—	—	—	105,437	—	—
Demand	7,483,443	—	—	10,424,026	32,682,623	4,087,664	12,429
Energy	1,627,696	—	—	10,221,034	11,232,864	1,557,851	56,456
Other ²	—	—	—	1,359,713	—	-192,393	—
Cooperative							
Sales (thousand kWh)	69,135	—	—	33,245	—	—	25
Revenue (dollars)	1,815,238	—	—	1,397,429	—	—	1,137
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	1,490,948	—	—	710,930	—	—	355
Energy	324,290	—	—	601,017	—	—	782
Other ²	—	—	—	85,482	—	—	—
Other³							
Sales (thousand kWh)	—	—	4,477,826	165,639	1,141,878	204,757	—
Revenue (dollars)	—	—	92,242,225	4,162,947	37,133,493	3,676,133	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	521,276	9,791,156	—	—
Energy	—	—	92,242,225	3,641,671	27,342,337	2,767,561	—
Other ²	—	—	—	—	—	908,572	—
Total							
Sales (thousand kWh)	6,621,503	—	5,683,784	3,826,744	3,093,028	303,624	4,337,685
Revenue (dollars)	173,856,757	84,853,000	118,027,337	132,073,183	173,683,980	9,129,255	190,283,073
Demand Charge Only ¹	—	—	—	—	855,721	—	65,766
Demand	142,797,426	—	—	68,810,900	120,080,401	4,087,664	104,426,238
Energy	31,059,331	—	118,027,337	61,654,410	52,747,858	4,325,412	86,598,897
Other ²	—	84,853,000	—	1,607,873	—	716,179	-807,828

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Massachusetts Commonwealth Electric Co	Massachusetts Eastern Edison Co ⁴	Massachusetts Fitchburg Gas & Electric Lght Co	Massachusetts Holyoke Power & Electric Co	Massachusetts Holyoke Water Power Co	Massachusetts Massachusetts Electric Co	Massachusetts Montaup Electric Co
Investor-Owned							
Sales (thousand kWh)	84,167	—	541	886,262	917,023	3,275	4,422,482
Revenue (dollars)	1,637,084	—	59,250	29,849,927	32,196,833	265,699	319,091,600
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	273,930	—	24,667	—	—	48,872	236,317,178
Energy	1,372,230	—	34,583	15,414,479	17,761,385	128,863	68,594,694
Other ²	-9,076	—	—	14,435,448	14,435,448	87,964	14,179,728
Federal							
Sales (thousand kWh)	—	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	—	35	—	—	—	132,900
Revenue (dollars)	—	—	8,035	—	—	—	4,941,542
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	6,250	—	—	—	2,159,413
Energy	—	—	1,785	—	—	—	2,782,129
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	—	—	—	30,761	2,366	82	204,694
Revenue (dollars)	—	—	—	2,343,829	40,789	8,447	9,315,272
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	1,537,920	35,422	—	5,424,026
Energy	—	—	—	789,007	—	6,175	3,891,246
Other ²	—	—	—	16,902	5,367	2,272	—
Cooperative							
Sales (thousand kWh)	—	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Other³							
Sales (thousand kWh)	1,095,182	—	7,769	—	981,062	6,228	826,174
Revenue (dollars)	22,136,752	—	490,106	—	25,311,233	674,216	16,093,973
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	784,677	—	—	—	—	166,600	570,900
Energy	19,440,466	—	490,106	—	13,118,621	331,125	15,523,073
Other ²	1,911,609	—	—	—	12,192,612	176,491	—
Total							
Sales (thousand kWh)	1,179,349	—	8,345	917,023	1,900,451	9,585	5,586,250
Revenue (dollars)	23,773,836	—	557,391	32,193,756	57,548,855	948,362	349,442,387
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	1,058,607	—	30,917	1,537,920	35,422	215,472	244,471,517
Energy	20,812,696	—	526,474	16,203,486	30,880,006	466,163	90,791,142
Other ²	1,902,533	—	—	14,452,350	26,633,427	266,727	14,179,728

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Massachusetts New England Hydro Trans Elec Co ⁶	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co ⁵	Michigan Consumers Power Co	Michigan Detroit Edison Co	Michigan Edison Sault Electric Co
Investor-Owned							
Sales (thousand kWh)	—	22,877,181	140,896	—	1,486,185	1,523,616	—
Revenue (dollars)	—	1,448,819,673	3,590,857	55,684,321	44,652,659	32,549,727	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	722,664,881	4,313	—	13,420,980	2,706,683	—
Energy	—	492,132,033	3,406,534	55,684,321	38,355,871	29,843,044	—
Other ²	—	234,022,759	180,010	—	-7,124,192	—	—
Federal							
Sales (thousand kWh)	—	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	41,020	12,530	—	160,585	123,861	—
Revenue (dollars)	—	2,743,618	347,389	—	3,823,000	2,456,287	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	1,485,310	—	—	752,000	83,760	—
Energy	—	857,056	311,609	—	3,071,000	2,352,886	—
Other ²	—	401,252	35,780	—	—	19,641	—
Municipal							
Sales (thousand kWh)	—	611,712	21,789	—	376,441	489,670	—
Revenue (dollars)	—	33,210,561	576,796	—	12,711,293	16,876,891	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	16,228,394	—	—	3,391,844	5,901,106	—
Energy	—	11,388,972	532,317	—	11,677,732	12,633,186	—
Other ²	—	5,593,195	44,479	—	-2,358,283	-1,657,401	—
Cooperative							
Sales (thousand kWh)	—	6,781	—	—	53,650	804,837	143,558
Revenue (dollars)	—	433,871	—	—	1,824,981	32,665,064	3,984,412
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	181,351	—	—	716,841	16,100,692	409,850
Energy	—	145,708	—	—	1,614,216	18,311,824	3,289,190
Other ²	—	106,812	—	—	-506,076	-1,747,452	285,372
Other³							
Sales (thousand kWh)	—	129,265	1,142,631	—	452,689	-21,929	—
Revenue (dollars)	—	3,026,876	31,858,980	—	11,312,750	-941,470	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	2,261,000	3,851	—
Energy	—	2,562,300	-10,902,997	—	7,446,000	-176,614	—
Other ²	—	464,576	42,761,977	—	1,605,750	-768,707	—
Total							
Sales (thousand kWh)	—	23,665,959	1,317,846	—	2,529,550	2,920,055	143,558
Revenue (dollars)	—	1,488,234,599	36,374,022	55,684,321	74,324,683	83,606,499	3,984,412
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	740,559,936	4,313	—	20,542,665	24,796,092	409,850
Energy	—	507,086,069	-6,652,537	55,684,321	62,164,819	62,964,326	3,289,190
Other ²	—	240,588,594	43,022,246	—	-8,382,801	-4,153,919	285,372

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Michigan Upper Peninsula Power Co	Minnesota Minnesota Power & Light Co	Minnesota Northern States Power Co	Minnesota Otter Tail Power Co	Mississippi Mississippi Power & Light Co	Mississippi Mississippi Power Co	Mississippi Systems Energy Resources Inc ⁵
Investor-Owned							
Sales (thousand kWh)	17,406	1,192,497	9,573,894	809,810	—	413,381	8,653,218
Revenue (dollars)	741,521	35,058,528	247,128,520	13,725,095	—	10,116,361	472,543,442
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	309,652	16,548,278	3,506,056	480,000	—	1,895,598	—
Energy	437,857	19,992,971	69,347,001	13,245,095	—	8,220,763	472,543,442
Other ²	-5,988	-1,482,721	174,275,463	—	—	—	—
Federal							
Sales (thousand kWh)	—	42,457	36,506	—	—	65,268	—
Revenue (dollars)	—	649,524	454,307	—	—	1,952,821	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	649,524	454,307	—	—	1,952,821	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	5,557	89,533	88,855	—	6,912	—
Revenue (dollars)	—	118,710	1,878,743	1,408,808	—	272,486	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	118,710	1,878,743	1,408,808	—	272,486	—
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	91,233	552,901	1,661,494	124,268	—	86,297	—
Revenue (dollars)	3,383,355	17,027,700	51,051,819	2,140,380	—	2,386,584	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	1,351,812	9,085,125	17,660,045	109,816	—	69,013	—
Energy	2,064,368	9,006,408	32,827,856	2,040,727	—	1,762,732	—
Other ²	-32,825	-1,063,833	563,918	-10,163	—	554,839	—
Cooperative							
Sales (thousand kWh)	37,765	17,281	70,711	54,312	—	1,973,913	—
Revenue (dollars)	1,603,537	467,284	1,270,787	992,496	—	74,015,888	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	666,931	126,000	—	—	—	400,000	—
Energy	954,163	341,284	1,270,787	992,496	—	38,436,967	—
Other ²	-17,557	—	—	—	—	35,178,921	—
Other³							
Sales (thousand kWh)	—	10,420	61,349	68,422	1,590,653	189,576	—
Revenue (dollars)	—	119,590	1,316,162	799,062	54,474,724	9,938,547	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	6,161,332	—
Energy	—	119,590	1,316,162	799,062	54,474,724	3,777,215	—
Other ²	—	—	—	—	—	—	—
Total							
Sales (thousand kWh)	146,404	1,821,113	11,493,487	1,145,667	1,590,653	2,735,347	8,653,218
Revenue (dollars)	5,728,413	53,441,336	303,100,338	19,065,841	54,474,724	98,682,687	472,543,442
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	2,328,395	25,759,403	21,166,101	589,816	—	8,525,943	—
Energy	3,456,388	30,228,487	107,094,856	18,486,188	54,474,724	54,422,984	472,543,442
Other ²	-56,370	-2,546,554	174,839,381	-10,163	—	35,733,760	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Missouri Empire District Electric Co	Missouri Kansas City Power & Light Co	Missouri Missouri Public Service Co (UtilCorp)	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Montana Montana Power Co	Nevada Nevada Power Co
Investor-Owned							
Sales (thousand kWh).....	300,035	2,484,117	60,726	23,199	5,105,071	2,108,861	3,538
Revenue (dollars).....	5,304,410	37,539,869	1,385,526	401,406	121,153,319	62,402,912	90,362
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	1,991,832	65,194	—	—	26,914,334	22,012,920	—
Energy.....	3,286,373	36,960,245	1,385,526	401,406	94,238,985	40,389,992	90,362
Other ²	26,205	514,430	—	—	—	—	—
Federal							
Sales (thousand kWh).....	—	—	—	—	194,434	1,025,011	—
Revenue (dollars).....	—	—	—	—	3,116,067	23,036,816	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	3,116,067	23,036,816	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh).....	4,518	76,480	—	8,062	—	9,069	155,178
Revenue (dollars).....	87,027	1,626,853	—	206,144	—	219,452	4,837,571
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	305,347
Energy.....	87,027	1,626,853	—	206,144	—	219,452	4,505,959
Other ²	—	—	—	—	—	—	26,265
Municipal							
Sales (thousand kWh).....	220,878	939,666	175,963	1,690	1,221,096	822,311	64,101
Revenue (dollars).....	7,674,709	21,058,054	6,480,510	35,054	43,761,569	43,230,071	2,325,053
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	2,672,893	1,473,670	2,143,682	—	2,000,604	22,163,880	986,322
Energy.....	5,001,816	13,899,562	5,346,525	35,054	41,760,965	21,066,191	1,416,177
Other ²	—	5,684,822	-1,009,697	—	—	—	-77,446
Cooperative							
Sales (thousand kWh).....	13,351	1,288,826	90,738	189,234	748,930	445,989	139,792
Revenue (dollars).....	497,859	18,856,116	1,355,344	3,018,188	25,926,139	15,815,081	4,518,601
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	279,121	689,394	—	—	—	4,384,401	636,411
Energy.....	218,738	18,166,722	1,355,344	3,018,188	25,926,139	11,430,680	3,877,220
Other ²	—	—	—	—	—	—	4,970
Other³							
Sales (thousand kWh).....	—	32,196	—	—	2,066,569	22,734	-3,801
Revenue (dollars).....	—	558,049	—	—	35,849,339	292,523	-82,972
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	558,049	—	—	35,849,339	375,013	11,025
Other ²	—	—	—	—	—	-82,490	-93,997
Total							
Sales (thousand kWh).....	538,782	4,821,285	327,427	222,185	9,336,100	4,433,975	358,808
Revenue (dollars).....	13,564,005	79,638,941	9,221,380	3,660,792	229,806,433	144,996,855	11,688,615
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	4,943,846	2,228,258	2,143,682	—	28,914,938	48,561,201	1,928,080
Energy.....	8,593,954	71,211,431	8,087,395	3,660,792	200,891,495	96,518,144	9,900,743
Other ²	26,205	6,199,252	-1,009,697	—	—	-82,490	-140,208

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Nevada	New Hampshire	New Hampshire	New Hampshire	New Hampshire	New Hampshire	New Hampshire
	Sierra Pacific Power Co	Concord Electric Co ⁴	Connecticut Valley Electric Co Inc ⁴	Exeter & Hampton Electric Co ⁴	Granite State Electric Co ⁴	Great Bay Power Corp	New England Trans Elec Corp
Investor-Owned							
Sales (thousand kWh)	37,042	—	—	—	—	682,858	—
Revenue (dollars)	1,006,986	—	—	—	—	15,668,227	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	181,867	—	—	—	—	12,716,048	—
Energy	808,103	—	—	—	—	4,034,179	—
Other ²	17,016	—	—	—	—	-1,082,000	—
Federal							
Sales (thousand kWh)	22,811	—	—	—	—	—	—
Revenue (dollars)	1,704,239	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	914,682	—	—	—	—	—	—
Energy	857,568	—	—	—	—	—	—
Other ²	-68,011	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	106,740	—	—	—	—	—	—
Revenue (dollars)	5,869,750	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	1,868,112	—	—	—	—	—	—
Energy	4,101,128	—	—	—	—	—	—
Other ²	-99,490	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	55,574	—	—	—	—	37,453	—
Revenue (dollars)	3,112,216	—	—	—	—	886,138	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	971,048	—	—	—	—	651,093	—
Energy	2,490,578	—	—	—	—	234,519	—
Other ²	-349,410	—	—	—	—	526	—
Cooperative							
Sales (thousand kWh)	63	—	—	—	—	—	—
Revenue (dollars)	1,677	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	1,677	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Other³							
Sales (thousand kWh)	—	—	—	—	—	32,813	—
Revenue (dollars)	—	—	—	—	—	507,283	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	303,884	—
Energy	—	—	—	—	—	171,898	—
Other ²	—	—	—	—	—	31,501	—
Total							
Sales (thousand kWh)	222,230	—	—	—	—	753,124	—
Revenue (dollars)	11,694,868	—	—	—	—	17,061,648	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	3,935,709	—	—	—	—	13,671,025	—
Energy	8,259,054	—	—	—	—	4,440,596	—
Other ²	-499,895	—	—	—	—	-1,049,973	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	New Hampshire New England Hydro-Trans Corp	New Hampshire North Atlantic Energy Corp ⁵	New Hampshire Public Service Co of NH	New Hampshire UNITIL Power Corp	New Jersey Atlantic City Electric Co	New Jersey Jersey Central Power & Light Co	New Jersey Public Service Electric & Gas Co
Investor-Owned							
Sales (thousand kWh)	—	2,229,370	1,528,941	999,456	67,850	33,756	207,403
Revenue (dollars)	—	143,043,170	45,823,701	69,923,488	1,555,802	1,143,297	11,713,919
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	66,383	33,063,737	—	104,540	314,553
Energy	—	7,142,885	27,198,360	19,016,116	1,555,802	1,038,757	4,210,009
Other ²	—	135,900,285	18,558,958	17,843,635	—	—	7,189,357
Federal							
Sales (thousand kWh)	—	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	—	54,334	—	—	—	—
Revenue (dollars)	—	—	1,265,906	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	1,173,768	—	—	—	—
Other ²	—	—	92,138	—	—	—	—
Municipal							
Sales (thousand kWh)	—	—	119,223	—	297,563	—	133,027
Revenue (dollars)	—	—	7,563,677	—	10,762,087	-23,616	7,365,187
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	1,954,875	—	—	—	1,200,410
Energy	—	—	5,109,847	—	6,494,176	—	4,870,610
Other ²	—	—	498,955	—	4,267,911	-23,616	1,294,167
Cooperative							
Sales (thousand kWh)	—	—	559,258	—	—	—	—
Revenue (dollars)	—	—	47,763,277	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	16,848,617	—	—	—	—
Energy	—	—	29,450,281	—	—	—	—
Other ²	—	—	1,464,379	—	—	—	—
Other³							
Sales (thousand kWh)	—	—	2,323,905	1,755	1,523,808	787,750	1,118,975
Revenue (dollars)	—	—	45,930,320	979,502	42,052,522	17,643,637	23,625,725
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	3,778,706	—
Energy	—	—	45,787,687	979,502	41,219,105	13,864,931	19,978,668
Other ²	—	—	142,633	—	833,417	—	3,647,057
Total							
Sales (thousand kWh)	—	2,229,370	4,585,661	1,001,211	1,889,221	821,506	1,459,405
Revenue (dollars)	—	143,043,170	148,346,881	70,902,990	54,370,411	18,763,318	42,704,831
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	18,869,875	33,063,737	—	3,883,246	1,514,963
Energy	—	7,142,885	108,719,943	19,995,618	49,269,083	14,903,688	29,059,287
Other ²	—	135,900,285	20,757,063	17,843,635	5,101,328	-23,616	12,130,581

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	New Jersey Rockland Electric Co ⁴	New Mexico Public Service Co of NM	New Mexico Texas-New Mexico Power Co ⁴	New York Central Hudson Gas & Electric Corp	New York Consolidated Edison Co-NY Inc	New York Long Island Lighting Co	New York Long Sault Inc ⁶
Investor-Owned							
Sales (thousand kWh)	—	2,109,830	—	70,140	1,004,351	1,600	—
Revenue (dollars)	—	72,158,574	—	2,374,624	23,174,076	44,800	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	34,839,353	—	335,520	—	—	—
Energy	—	36,410,224	—	2,039,104	—	44,800	—
Other ²	—	908,997	—	—	23,174,076	—	—
Federal							
Sales (thousand kWh)	—	177,281	—	—	—	—	—
Revenue (dollars)	—	3,768,297	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	3,768,297	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	274,885	—	—	350	—	—
Revenue (dollars)	—	12,324,718	—	4,386	2,898,370	—	—
Demand Charge Only ¹	—	—	—	4,386	—	—	—
Demand	—	7,567,000	—	—	—	—	—
Energy	—	4,757,365	—	—	—	—	—
Other ²	—	353	—	—	2,898,370	—	—
Municipal							
Sales (thousand kWh)	—	99,143	—	—	—	—	—
Revenue (dollars)	—	2,180,174	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	560,000	—	—	—	—	—
Energy	—	1,523,593	—	—	—	—	—
Other ²	—	96,581	—	—	—	—	—
Cooperative							
Sales (thousand kWh)	—	192,435	—	—	—	—	—
Revenue (dollars)	—	7,178,411	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	3,319,900	—	—	—	—	—
Energy	—	3,696,625	—	—	—	—	—
Other ²	—	161,886	—	—	—	—	—
Other³							
Sales (thousand kWh)	—	508,359	—	399,708	780,072	370,483	—
Revenue (dollars)	—	-789,638	—	10,659,961	22,985,405	14,849,718	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	14,111,643	—	—	—	—	—
Energy	—	9,134,511	—	10,659,961	—	14,849,718	—
Other ²	—	-24,035,792	—	—	22,985,405	—	—
Total							
Sales (thousand kWh)	—	3,361,933	—	469,848	1,784,773	372,083	—
Revenue (dollars)	—	96,820,536	—	13,038,971	49,057,851	14,894,518	—
Demand Charge Only ¹	—	—	—	4,386	—	—	—
Demand	—	60,397,896	—	335,520	—	—	—
Energy	—	59,290,615	—	12,699,065	—	14,894,518	—
Other ²	—	-22,867,975	—	—	49,057,851	—	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co	North Carolina Nantahala Power & Light Co
Investor-Owned							
Sales (thousand kWh)	3,528,940	2,802,952	1,413,260	69,276	469,513	2,730,001	22,617
Revenue (dollars)	70,986,184	65,897,098	68,694,069	1,497,044	19,132,635	129,227,180	12,131,255
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	29,521	2,978,443	22,585,377	—	5,683,205	60,836,265	11,405,520
Energy	70,956,663	62,918,655	46,055,769	1,497,044	13,449,430	69,104,927	725,735
Other ²	—	—	52,923	—	—	-714,012	—
Federal							
Sales (thousand kWh)	—	—	—	—	50,136	—	79,134
Revenue (dollars)	—	—	—	—	1,244,984	—	1,811,698
Demand Charge Only ¹	—	—	—	—	100,000	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	—	—	1,144,984	—	1,811,698
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	574,986	209,922	556	133,506	40,930	52,557	—
Revenue (dollars)	10,546,715	4,163,444	1,800	2,478,306	696,145	1,130,543	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	138,134	—	—	—	93,000	—
Energy	10,546,715	4,025,310	1,800	2,478,306	696,145	1,037,543	—
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	17,238	13,036	—	—	4,658,087	4,278,653	30,855
Revenue (dollars)	596,382	375,789	—	—	203,341,684	218,298,822	946,862
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	136,841	—	—	57,356,748	130,329,192	640,489
Energy	596,382	238,948	—	—	143,672,292	92,936,110	290,274
Other ²	—	—	—	—	2,312,644	-4,966,480	16,099
Cooperative							
Sales (thousand kWh)	—	—	—	—	5,267,179	2,584,786	19,065
Revenue (dollars)	100,000	—	—	—	286,426,666	160,590,792	601,439
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	128,366,673	414,704
Energy	100,000	—	—	—	295,225,591	32,224,119	173,586
Other ²	—	—	—	—	-8,798,925	—	13,149
Other³							
Sales (thousand kWh)	2,706,492	4,415,601	228,776	818,951	-43,732	309,561	24,883
Revenue (dollars)	59,672,537	87,389,213	5,927,648	12,630,025	-10,282,527	5,925,152	789,510
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	2,003,168	—	—	—	—	528,214
Energy	59,672,537	85,386,045	5,818,834	12,630,025	-5,266,260	11,327,090	234,069
Other ²	—	—	108,814	—	-5,016,267	-5,401,938	27,227
Total							
Sales (thousand kWh)	6,827,656	7,441,511	1,642,592	1,021,733	10,442,113	9,955,558	176,554
Revenue (dollars)	141,901,818	157,825,544	74,623,517	16,605,375	500,559,587	515,172,489	16,280,764
Demand Charge Only ¹	—	—	—	—	100,000	—	—
Demand	29,521	5,256,586	22,585,377	—	63,039,953	319,625,130	12,988,927
Energy	141,872,297	152,568,958	51,876,403	16,605,375	448,922,182	206,629,789	3,235,362
Other ²	—	—	161,737	—	-11,502,548	-11,082,430	56,475

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	North Carolina Yadkin Inc ⁵	North Dakota MDU Resources Group Inc	Ohio AEP Generating Co ⁵	Ohio Cincinnati Gas & Electric Co	Ohio Cleveland Electric Illuminating Co	Ohio Columbus Southern Power Co	Ohio Dayton Power & Light Co
Investor-Owned							
Sales (thousand kWh)	55,790	223,340	9,119,496	4,174,718	361,071	739,555	296,087
Revenue (dollars)	1,065,765	3,973,809	235,973,742	158,907,450	4,157,307	31,742,506	7,102,872
Demand Charge Only ¹	—	—	—	—	—	1,105,076	—
Demand	—	—	47,414,338	63,296,872	163,392	6,754,047	841,659
Energy	1,065,765	3,973,809	188,559,404	103,761,672	6,137,080	23,883,383	6,261,011
Other ²	—	—	—	-8,151,094	-2,143,165	—	202
Federal							
Sales (thousand kWh)	—	115,855	—	—	—	8,905	—
Revenue (dollars)	—	1,615,334	—	—	—	248,604	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	1,615,334	—	—	—	248,604	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	24,892	—	—	—	—	—
Revenue (dollars)	—	423,675	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	423,675	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	—	55,373	—	417,424	112,416	690,849	668,757
Revenue (dollars)	—	877,160	—	12,657,813	4,449,635	22,041,476	17,170,333
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	3,601,554	621,084	6,905,992	6,318,422
Energy	—	877,160	—	8,996,203	3,916,087	15,135,484	12,309,554
Other ²	—	—	—	60,056	-87,536	—	-1,457,643
Cooperative							
Sales (thousand kWh)	—	25,032	—	90,176	—	468	—
Revenue (dollars)	—	380,251	—	1,564,190	—	23,879	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	380,251	—	1,198,636	—	23,879	—
Other ²	—	—	—	365,554	—	—	—
Other³							
Sales (thousand kWh)	—	—	—	-59	599,460	1,339,334	—
Revenue (dollars)	—	—	—	-4,692	11,290,750	24,763,455	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	3,181,852	—
Energy	—	—	—	—	11,335,016	21,581,603	—
Other ²	—	—	—	-4,692	-44,266	—	—
Total							
Sales (thousand kWh)	55,790	444,492	9,119,496	4,682,259	1,072,947	2,779,111	964,844
Revenue (dollars)	1,065,765	7,270,229	235,973,742	173,124,761	19,897,692	78,819,920	24,273,205
Demand Charge Only ¹	—	—	—	—	—	1,105,076	—
Demand	—	—	47,414,338	66,898,426	784,476	16,841,891	7,160,081
Energy	1,065,765	7,270,229	188,559,404	113,956,511	21,388,183	60,872,953	18,570,565
Other ²	—	—	—	-7,730,176	-2,274,967	—	-1,457,441

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Ohio Indiana-Kentucky Electric Corp ⁵	Ohio Ohio Edison Co	Ohio Ohio Power Co	Ohio Ohio Valley Electric Corp	Ohio Toledo Edison Co	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma
Investor-Owned							
Sales (thousand kWh).....	9,045,739	5,653,482	3,604,590	1,752,354	1,734,299	428,702	130,540
Revenue (dollars).....	131,110,221	196,989,468	125,739,164	23,167,677	115,811,029	8,517,805	4,729,616
Demand Charge Only ¹	—	—	1,889,167	—	—	—	—
Demand.....	37,830,915	96,384,114	30,894,345	3,370,614	227,363	—	1,117,417
Energy.....	93,279,306	97,999,633	92,955,652	19,797,063	115,572,578	8,517,805	3,520,038
Other ²	—	2,605,721	—	—	11,088	—	92,161
Federal							
Sales (thousand kWh).....	—	—	15,238	—	—	19,579	66,044
Revenue (dollars).....	—	—	424,623	—	—	587,120	2,770,893
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	1,117,747
Energy.....	—	—	424,623	—	—	784,337	1,525,443
Other ²	—	—	—	—	—	-197,217	127,703
State and Other							
Government							
Sales (thousand kWh).....	—	—	—	—	—	296,284	50,082
Revenue (dollars).....	—	—	—	—	—	9,414,985	5,326,092
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	3,045,363	396,000
Energy.....	—	—	—	—	—	8,574,763	1,125,257
Other ²	—	—	—	—	—	-2,205,141	3,804,835
Municipal							
Sales (thousand kWh).....	—	184,139	1,199,868	—	632,142	82,129	35,250
Revenue (dollars).....	—	6,406,454	37,377,520	—	23,225,274	2,880,911	1,141,875
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	2,651,370	13,217,663	—	12,705,280	1,292,221	78,249
Energy.....	—	3,608,748	24,159,857	—	10,502,497	2,462,102	1,063,626
Other ²	—	146,336	—	—	17,497	-873,412	—
Cooperative							
Sales (thousand kWh).....	—	—	605,035	—	5,050	630,603	1,629
Revenue (dollars).....	—	—	12,147,899	—	207,876	20,794,864	63,786
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	107,491	8,787,523	3,137
Energy.....	—	—	12,147,899	—	100,385	18,817,339	60,649
Other ²	—	—	—	—	—	-6,809,998	—
Other³							
Sales (thousand kWh).....	—	32,586	8,059,971	—	176,731	32,700	1,225,363
Revenue (dollars).....	—	494,790	276,457,272	—	3,017,256	805,262	21,425,587
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	21,353	5,434,894	—	410,767	—	—
Energy.....	—	473,437	271,022,378	—	2,661,076	805,262	21,295,321
Other ²	—	—	—	—	-54,587	—	130,266
Total							
Sales (thousand kWh).....	9,045,739	5,870,207	13,484,702	1,752,354	2,548,222	1,489,997	1,508,908
Revenue (dollars).....	131,110,221	203,890,712	452,146,478	23,167,677	142,261,435	43,000,947	35,457,849
Demand Charge Only ¹	—	—	1,889,167	—	—	—	—
Demand.....	37,830,915	99,056,837	49,546,902	3,370,614	13,450,901	13,125,107	2,712,550
Energy.....	93,279,306	102,081,818	400,710,409	19,797,063	128,836,536	39,961,608	28,590,334
Other ²	—	2,752,057	—	—	-26,002	-10,085,768	4,154,965

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Oregon	Oregon	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania
	PacifiCorp	Portland General Electric Co	Citizens Electric Co ⁴	Duquesne Light Co	Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co
Investor-Owned							
Sales (thousand kWh)	10,673,127	468,338	—	3,211,962	15,342	132,263	6,663,805
Revenue (dollars)	362,177,066	26,367,289	—	58,281,505	572,613	5,796,064	323,268,086
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	153,571,434	16,900,000	—	15,646,901	49,274	2,144,684	2,110,102
Energy	206,950,449	10,233,540	—	42,634,604	521,490	2,809,585	91,854,829
Other ²	1,655,183	-766,251	—	—	1,849	841,795	229,303,155
Federal							
Sales (thousand kWh)	2,858,154	1,394,980	—	—	—	—	—
Revenue (dollars)	87,872,522	53,228,504	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	16,500,000	—	—	—	—	—
Energy	87,872,522	36,728,504	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	1,115,636	720,638	—	—	—	—	124,161
Revenue (dollars)	35,783,662	17,770,724	—	—	—	—	2,816,206
Demand Charge Only ¹	7,240	—	—	—	—	—	—
Demand	17,043,159	409,700	—	—	—	—	—
Energy	18,582,397	17,361,024	—	—	—	—	2,816,206
Other ²	150,866	—	—	—	—	—	—
Municipal							
Sales (thousand kWh)	761,336	98,935	—	12,356	94,404	349,688	744,613
Revenue (dollars)	38,820,977	8,129,998	—	844,508	1,441,561	12,018,308	35,080,626
Demand Charge Only ¹	305,280	—	—	—	—	—	—
Demand	22,694,454	5,720,000	—	454,029	322,478	5,049,652	12,353,954
Energy	16,539,011	2,409,998	—	370,680	1,073,269	6,712,449	22,726,672
Other ²	-717,768	—	—	19,799	45,814	256,207	—
Cooperative							
Sales (thousand kWh)	56,336	—	—	—	—	458,848	19,529
Revenue (dollars)	1,493,199	—	—	—	—	22,420,172	926,235
Demand Charge Only ¹	320	—	—	—	—	—	—
Demand	36,952	—	—	—	—	11,324,928	333,806
Energy	1,455,927	—	—	—	—	9,302,785	592,429
Other ²	—	—	—	—	—	1,792,459	—
Other³							
Sales (thousand kWh)	159,984	17,779	—	148	395,671	1,485,147	3,305,835
Revenue (dollars)	6,579,932	414,573	—	14,003	11,374,734	35,302,391	82,515,629
Demand Charge Only ¹	850	—	—	—	—	—	—
Demand	3,480,000	146,988	—	—	211,792	8,704,491	—
Energy	3,099,082	267,585	—	14,003	11,162,942	26,597,900	82,438,975
Other ²	—	—	—	—	—	—	76,654
Total							
Sales (thousand kWh)	15,624,573	2,700,670	—	3,224,466	505,417	2,425,946	10,857,943
Revenue (dollars)	532,727,358	105,911,088	—	59,140,016	13,388,908	75,536,935	444,606,782
Demand Charge Only ¹	313,690	—	—	—	—	—	—
Demand	196,825,999	39,676,688	—	16,100,930	583,544	27,223,755	14,797,862
Energy	334,499,388	67,000,651	—	43,019,287	12,757,701	45,422,719	200,429,111
Other ²	1,088,281	-766,251	—	19,799	47,663	2,890,461	229,379,809

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Pennsylvania Pennsylvania Power Co	Pennsylvania PECO Energy Co	Pennsylvania Safe Harbor Water Power Corp ⁵	Pennsylvania Susquehanna Electric Co ⁵	Pennsylvania West Penn Power Co	Pennsylvania York Haven Power Co ⁵	Rhode Island Blackstone Valley Electric Co ⁴
Investor-Owned							
Sales (thousand kWh).....	934,698	10,500,419	1,291,800	1,954,107	4,990,007	137,566	—
Revenue (dollars).....	31,173,898	288,345,229	28,870,280	8,803,735	163,203,462	6,349,698	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	15,538,594	35,557,526	—	6,677,870	77,337,044	—	—
Energy.....	15,635,304	254,431,559	—	2,447,047	77,525,715	6,349,698	—
Other ²	—	-1,643,856	28,870,280	-321,182	8,340,703	—	—
Federal							
Sales (thousand kWh).....	—	—	—	—	—	—	—
Revenue (dollars).....	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh).....	—	23,595	—	—	—	—	—
Revenue (dollars).....	—	486,278	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	486,278	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
Municipal							
Sales (thousand kWh).....	141,872	—	—	—	302,500	—	—
Revenue (dollars).....	7,485,830	—	—	—	10,610,300	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	2,929,796	—	—	—	4,521,615	—	—
Energy.....	4,556,034	—	—	—	5,515,151	—	—
Other ²	—	—	—	—	573,534	—	—
Cooperative							
Sales (thousand kWh).....	—	173,453	—	—	241,029	—	—
Revenue (dollars).....	—	3,438,007	—	—	9,099,418	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	4,340,119	—	—
Energy.....	—	3,438,007	—	—	4,212,986	—	—
Other ²	—	—	—	—	546,313	—	—
Other³							
Sales (thousand kWh).....	—	781,781	—	—	282,307	—	—
Revenue (dollars).....	—	23,750,816	—	16,571,212	6,767,715	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	1,061,267	—	—
Energy.....	—	23,750,816	—	—	5,706,448	—	—
Other ²	—	—	—	16,571,212	—	—	—
Total							
Sales (thousand kWh).....	1,076,570	11,479,248	1,291,800	1,954,107	5,815,843	137,566	—
Revenue (dollars).....	38,659,728	316,020,330	28,870,280	25,374,947	189,680,895	6,349,698	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	18,468,390	35,557,526	—	6,677,870	87,260,045	—	—
Energy.....	20,191,338	282,106,660	—	2,447,047	92,960,300	6,349,698	—
Other ²	—	-1,643,856	28,870,280	16,250,030	9,460,550	—	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Rhode Island Narragansett Electric Co	Rhode Island Newport Electric Corp	Rhode Island Ocean State Power #2 ⁵	Rhode Island Ocean State Power Co ⁵	South Carolina Lockhart Power Co	South Carolina South Carolina Electric & Gas Co	South Carolina South Carolina Generating Co Inc ⁵
Investor-Owned							
Sales (thousand kWh)	591	—	2,063,409	2,043,779	—	84,534	3,727,033
Revenue (dollars)	68,831	—	101,565,656	91,880,140	—	3,467,908	92,796,192
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	78,011,868	68,692,208	—	—	—
Energy	62,309	—	20,206,080	19,112,478	—	3,467,908	92,796,192
Other ²	6,522	—	3,347,708	4,075,454	—	—	—
Federal							
Sales (thousand kWh)	—	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	—	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh)	—	—	—	—	—	89,643	—
Revenue (dollars)	—	—	—	—	—	3,624,858	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	1,790,487	—
Energy	—	—	—	—	—	1,852,903	—
Other ²	—	—	—	—	—	-18,532	—
Municipal							
Sales (thousand kWh)	—	—	—	—	129,476	837,672	—
Revenue (dollars)	—	—	—	—	6,318,314	32,325,406	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	3,764,127	16,241,765	—
Energy	—	—	—	—	2,393,935	16,275,972	—
Other ²	—	—	—	—	160,252	-192,331	—
Cooperative							
Sales (thousand kWh)	—	—	—	—	—	162,322	—
Revenue (dollars)	—	—	—	—	—	6,756,581	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	3,627,334	—
Energy	—	—	—	—	—	3,161,164	—
Other ²	—	—	—	—	—	-31,917	—
Other³							
Sales (thousand kWh)	—	12,530	—	—	—	21,251	—
Revenue (dollars)	—	680,900	—	—	—	528,867	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	—	—	—	—	—
Energy	—	680,900	—	—	—	528,867	—
Other ²	—	—	—	—	—	—	—
Total							
Sales (thousand kWh)	591	12,530	2,063,409	2,043,779	129,476	1,195,422	3,727,033
Revenue (dollars)	68,831	680,900	101,565,656	91,880,140	6,318,314	46,703,620	92,796,192
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand	—	—	78,011,868	68,692,208	3,764,127	21,659,586	—
Energy	62,309	680,900	20,206,080	19,112,478	2,393,935	25,286,814	92,796,192
Other ²	6,522	—	3,347,708	4,075,454	160,252	-242,780	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	South Dakota Black Hills Corp	South Dakota Northwestern Public Service Co	Tennessee Kingsport Power Co ⁴	Texas Central Power & Light Co	Texas El Paso Electric Co	Texas Gulf States Utilities Co	Texas Houston Lighting & Power Co
Investor-Owned							
Sales (thousand kWh).....	1,000	70,461	—	161,242	521,161	—	297,940
Revenue (dollars).....	—	957,452	—	3,977,725	14,524,559	—	28,290,009
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	5,400,000	—	20,907,129
Energy.....	—	957,452	—	3,006,170	5,728,962	—	7,382,880
Other ²	—	—	—	971,555	3,395,597	—	—
Federal							
Sales (thousand kWh).....	—	28,901	—	—	—	—	—
Revenue (dollars).....	—	372,262	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—	—
Energy.....	—	372,262	—	—	—	—	—
Other ²	—	—	—	—	—	—	—
State and Other							
Government							
Sales (thousand kWh).....	—	12,999	—	—	755,173	71,035	16,525
Revenue (dollars).....	—	171,715	—	7,276	49,966,938	7,685,364	399,488
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	—	35,460,000	5,535,975	—
Energy.....	—	171,715	—	—	3,080,266	2,153,005	399,488
Other ²	—	—	—	7,276	11,426,672	-3,616	—
Municipal							
Sales (thousand kWh).....	166,579	9,955	—	146,807	850	168,233	170,689
Revenue (dollars).....	7,425,149	309,735	—	5,581,349	10,857	7,310,314	3,684,087
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	3,199,815	187,226	—	1,348,404	—	3,292,609	—
Energy.....	3,698,061	112,706	—	3,414,000	10,712	4,017,705	3,684,087
Other ²	527,273	9,803	—	818,945	145	—	—
Cooperative							
Sales (thousand kWh).....	—	26,694	—	696,768	28,702	396,011	388,661
Revenue (dollars).....	—	342,461	—	34,047,415	1,363,780	15,488,459	6,986,185
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	—	—	17,055,016	—	7,159,988	—
Energy.....	—	342,461	—	16,691,980	938,323	8,328,919	6,986,185
Other ²	—	—	—	300,419	425,457	-448	—
Other³							
Sales (thousand kWh).....	—	33,022	—	280,648	939,808	2,876,278	—
Revenue (dollars).....	—	477,797	—	7,163,044	44,790,197	67,744,614	—
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	—	14,080	—	—	27,172,146	—	—
Energy.....	—	462,925	—	5,804,477	2,500,118	67,744,614	—
Other ²	—	792	—	1,358,567	15,117,933	—	—
Total							
Sales (thousand kWh).....	167,579	182,032	—	1,285,465	2,245,694	3,511,557	873,815
Revenue (dollars).....	7,425,149	2,631,422	—	50,776,809	110,656,331	98,228,751	39,359,769
Demand Charge Only ¹	—	—	—	—	—	—	—
Demand.....	3,199,815	201,306	—	18,403,420	68,032,146	15,988,572	20,907,129
Energy.....	3,698,061	2,419,521	—	28,916,627	12,258,381	82,244,243	18,452,640
Other ²	527,273	10,595	—	3,456,762	30,365,804	-4,064	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Texas Utilities Electric Co	Texas Texas-New Mexico Power Co	Texas West Texas Utilities Co	Vermont Central Vermont Public Service Corp
Investor-Owned						
Sales (thousand kWh).....	2,303	1,596,448	1,652,850	—	128,442	1,131,172
Revenue (dollars).....	110,068	48,776,788	94,646,518	—	4,603,503	38,084,279
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	40,842	18,110,448	54,622,553	—	1,698,240	22,852,358
Energy.....	62,909	22,673,135	11,331,963	—	2,899,921	15,002,028
Other ²	6,317	7,993,205	28,692,002	—	5,342	229,893
Federal						
Sales (thousand kWh).....	—	6,917	—	—	—	—
Revenue (dollars).....	—	116,152	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	—
Energy.....	—	116,152	—	—	—	—
Other ²	—	—	—	—	—	—
State and Other						
Government						
Sales (thousand kWh).....	—	3,440	56,741	—	—	32,409
Revenue (dollars).....	—	76,975	1,233,863	—	440	830,346
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	—	—	—	—	556
Energy.....	—	76,975	1,233,863	—	—	829,790
Other ²	—	—	—	—	440	—
Municipal						
Sales (thousand kWh).....	—	622,171	866,051	—	94,963	157,318
Revenue (dollars).....	—	17,989,465	18,558,898	—	3,230,792	4,292,742
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	—	4,112,640	349,825	—	954,216	750,565
Energy.....	—	5,356,679	17,977,759	—	2,203,677	3,681,000
Other ²	—	8,520,146	231,314	—	72,899	-138,823
Cooperative						
Sales (thousand kWh).....	97,951	4,251,295	1,925,897	3,330	1,403,591	15,565
Revenue (dollars).....	4,396,327	149,440,675	120,284,100	251,137	48,408,819	679,409
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	1,592,277	53,359,643	70,585,011	103,385	16,556,547	498,227
Energy.....	2,674,740	12,201,323	11,218,106	108,272	31,825,427	313,536
Other ²	129,310	83,879,709	38,480,983	39,480	26,845	-132,354
Other³						
Sales (thousand kWh).....	1,000	184,756	—	—	423,963	290,459
Revenue (dollars).....	56,195	2,372,480	—	—	10,832,825	17,634,416
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	23,817	—	—	—	12,660	9,996,300
Energy.....	27,312	3,296,764	—	—	8,371,769	7,638,116
Other ²	5,066	-924,284	—	—	2,448,396	—
Total						
Sales (thousand kWh).....	101,254	6,665,027	4,501,539	3,330	2,050,959	1,626,923
Revenue (dollars).....	4,562,590	218,772,535	234,723,379	251,137	67,076,379	61,521,192
Demand Charge Only ¹	—	—	—	—	—	—
Demand.....	1,656,936	75,582,731	125,557,389	103,385	19,221,663	34,098,006
Energy.....	2,764,961	43,721,028	41,761,691	108,272	45,300,794	27,464,470
Other ²	140,693	99,468,776	67,404,299	39,480	2,553,922	-41,284

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Vermont Citizens Utilities Co ⁴	Vermont Green Mountain Power Corp	Vermont Vermont Electric Power Co Inc	Vermont Vermont Electric Trans Co ⁶	Vermont Vermont Yankee Nuclear Power Corp ⁵	Virginia Appalachian Power Co
Investor-Owned						
Sales (thousand kWh)	—	317,648	479,496	—	4,315,547	4,758,614
Revenue (dollars)	—	11,016,828	15,410,436	—	162,757,189	164,850,415
Demand Charge Only ¹	—	—	—	—	—	2,368,400
Demand	—	4,999,297	7,417,978	—	—	55,867,372
Energy	—	6,060,526	7,990,629	—	—	106,614,643
Other ²	—	-42,995	1,829	—	162,757,189	—
Federal						
Sales (thousand kWh)	—	—	—	—	—	19,120
Revenue (dollars)	—	—	—	—	—	529,842
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	—
Energy	—	—	—	—	—	529,842
Other ²	—	—	—	—	—	—
State and Other						
Government						
Sales (thousand kWh)	—	269	—	—	—	—
Revenue (dollars)	—	8,805	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	—
Energy	—	8,805	—	—	—	—
Other ²	—	—	—	—	—	—
Municipal						
Sales (thousand kWh)	—	33,162	339,778	—	—	2,445,381
Revenue (dollars)	—	1,885,241	12,247,427	—	—	81,880,032
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	842,043	8,647,964	—	—	35,511,202
Energy	—	1,126,728	2,937,824	—	—	46,368,830
Other ²	—	-83,530	661,639	—	—	—
Cooperative						
Sales (thousand kWh)	—	4,911	89,822	—	—	184,801
Revenue (dollars)	—	345,964	3,286,109	—	—	7,173,823
Demand Charge Only ¹	—	2,440	—	—	—	—
Demand	—	171,900	2,409,577	—	—	3,635,957
Energy	—	180,407	677,519	—	—	3,537,866
Other ²	—	-8,783	199,013	—	—	—
Other³						
Sales (thousand kWh)	—	11,436	—	—	—	1,970,404
Revenue (dollars)	—	264,101	—	—	—	36,977,724
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	3,351,447
Energy	—	264,101	—	—	—	33,626,277
Other ²	—	—	—	—	—	—
Total						
Sales (thousand kWh)	—	367,426	909,096	—	4,315,547	9,378,320
Revenue (dollars)	—	13,520,939	30,943,972	—	162,757,189	291,411,836
Demand Charge Only ¹	—	2,440	—	—	—	2,368,400
Demand	—	6,013,240	18,475,519	—	—	98,365,978
Energy	—	7,640,567	11,605,972	—	—	190,677,458
Other ²	—	-135,308	862,481	—	162,757,189	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Virginia Virginia Electric & Power Co	Washington Puget Sound Power & Light Co	Washington Washington Water Power Co	West Virginia Kanawha Valley Power Co ⁵	West Virginia Monongahela Power Co	West Virginia West Virginia Power (UtilCorp) ⁴
Investor-Owned						
Sales (thousand kWh)	175,082	1,792,828	2,212,804	209,384	4,006,995	—
Revenue (dollars)	9,930,130	36,359,212	72,507,772	3,940,559	145,511,982	—
Demand Charge Only ¹	—	50,000	10,734,000	—	—	—
Demand	6,473,156	—	9,319,167	2,986,440	42,630,823	—
Energy	3,456,974	36,281,344	52,454,605	954,119	64,539,377	—
Other ²	—	27,868	—	—	38,341,782	—
Federal						
Sales (thousand kWh)	—	817,812	90,159	—	—	—
Revenue (dollars)	—	19,314,054	1,916,247	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	400,000	—	—	—	—
Energy	—	18,914,054	1,916,247	—	—	—
Other ²	—	—	—	—	—	—
State and Other						
Government						
Sales (thousand kWh)	—	66,164	469,826	—	—	—
Revenue (dollars)	—	1,391,158	13,548,228	—	—	—
Demand Charge Only ¹	—	—	305,332	—	—	—
Demand	—	—	4,871,500	—	—	—
Energy	—	1,391,158	8,371,396	—	—	—
Other ²	—	—	—	—	—	—
Municipal						
Sales (thousand kWh)	1,126,570	241,563	46,854	—	85,056	—
Revenue (dollars)	45,353,392	6,475,619	1,900,280	—	2,889,669	—
Demand Charge Only ¹	—	—	751,998	—	—	—
Demand	25,216,962	1,313,431	87,416	—	1,259,082	—
Energy	21,848,188	5,042,910	1,060,866	—	1,819,264	—
Other ²	-1,711,758	119,278	—	—	-188,677	—
Cooperative						
Sales (thousand kWh)	4,931,776	—	—	—	49,346	—
Revenue (dollars)	195,554,014	—	—	—	1,936,438	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	95,380,429	—	—	—	1,015,118	—
Energy	104,537,795	—	—	—	1,136,582	—
Other ²	-4,364,210	—	—	—	-215,262	—
Other³						
Sales (thousand kWh)	900,556	44,374	67,243	—	141,835	—
Revenue (dollars)	26,339,123	1,018,025	1,513,499	—	3,566,810	—
Demand Charge Only ¹	—	—	340,000	—	—	—
Demand	2,737,815	20,659	316,397	—	390,258	—
Energy	23,601,308	996,785	1,508,172	—	3,176,552	—
Other ²	—	581	-651,070	—	—	—
Total						
Sales (thousand kWh)	7,133,984	2,962,741	2,886,886	209,384	4,283,232	—
Revenue (dollars)	277,176,659	64,558,068	91,386,026	3,940,559	153,904,899	—
Demand Charge Only ¹	—	50,000	12,131,330	—	—	—
Demand	129,808,362	1,734,090	14,594,480	2,986,440	45,295,281	—
Energy	153,444,265	62,626,251	65,311,286	954,119	70,671,775	—
Other ²	-6,075,968	147,727	-651,070	—	37,937,843	—

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	West Virginia Wheeling Power Co ⁴	Wisconsin Consolidated Water Power Co	Wisconsin Madison Gas & Electric Co	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Electric Co	Wisconsin Pioneer Power & Light Co
Investor-Owned						
Sales (thousand kWh)	—	461	26,740	403,029	—	10,384
Revenue (dollars)	—	2,897	1,358,505	47,604,829	—	423,494
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	1,002,000	—	—	129,600
Energy	—	2,897	356,505	—	—	335,390
Other ²	—	—	—	47,604,829	—	-41,496
Federal						
Sales (thousand kWh)	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	—
Energy	—	—	—	—	—	—
Other ²	—	—	—	—	—	—
State and Other						
Government						
Sales (thousand kWh)	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	—
Energy	—	—	—	—	—	—
Other ²	—	—	—	—	—	—
Municipal						
Sales (thousand kWh)	—	—	8,250	436,928	4,838	—
Revenue (dollars)	—	—	225,162	17,363,106	212,369	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	6,543,564	58,809	—
Energy	—	—	225,162	10,682,785	152,237	—
Other ²	—	—	—	136,757	1,323	—
Cooperative						
Sales (thousand kWh)	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	—
Energy	—	—	—	—	—	—
Other ²	—	—	—	—	—	—
Other³						
Sales (thousand kWh)	—	—	—	1,292	—	—
Revenue (dollars)	—	—	—	50,641	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	—
Energy	—	—	—	—	—	—
Other ²	—	—	—	50,641	—	—
Total						
Sales (thousand kWh)	—	461	34,990	841,249	4,838	10,384
Revenue (dollars)	—	2,897	1,583,667	65,018,576	212,369	423,494
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	1,002,000	6,543,564	58,809	129,600
Energy	—	2,897	581,667	10,682,785	152,237	335,390
Other ²	—	—	—	47,792,227	1,323	-41,496

See notes and footnotes at end of table.

Table 20. Electricity Sales for Resale by Investor-Owned Utilities, by State, 1994 (Continued)

Purchaser of Electricity by Ownership Class	Wisconsin South Beloit Water Gas & Elec Co	Wisconsin Superior Water Light & Power Co ⁴	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co	Wisconsin Wisconsin Public Service Corp	Wisconsin Wisconsin River Power Co ⁵
Investor-Owned						
Sales (thousand kWh)	6,180	—	1,409,248	408,356	1,023,556	195,744
Revenue (dollars)	125,974	—	31,172,217	10,407,370	25,056,543	4,953,252
Demand Charge Only ¹	—	—	—	—	—	—
Demand	23,784	—	5,653,381	1,240,504	6,878,400	—
Energy	102,190	—	25,563,993	7,574,899	21,539,383	4,953,252
Other ²	—	—	-45,157	1,591,967	-3,361,240	—
Federal						
Sales (thousand kWh)	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	—
Energy	—	—	—	—	—	—
Other ²	—	—	—	—	—	—
State and Other						
Government						
Sales (thousand kWh)	—	—	—	—	—	—
Revenue (dollars)	—	—	—	—	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	—
Energy	—	—	—	—	—	—
Other ²	—	—	—	—	—	—
Municipal						
Sales (thousand kWh)	—	—	1,173,547	1,899,160	1,054,252	—
Revenue (dollars)	—	—	45,123,188	64,774,900	30,517,794	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	19,024,092	26,875,372	13,691,157	—
Energy	—	—	27,444,474	41,303,918	25,115,871	—
Other ²	—	—	-1,345,378	-3,404,390	-8,289,234	—
Cooperative						
Sales (thousand kWh)	—	—	298,890	474,104	10,314	—
Revenue (dollars)	—	—	10,508,296	15,820,575	393,621	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	4,274,304	7,400,740	190,375	—
Energy	—	—	6,572,112	9,858,270	263,904	—
Other ²	—	—	-338,120	-1,438,435	-60,658	—
Other³						
Sales (thousand kWh)	—	—	—	-20,936	—	—
Revenue (dollars)	—	—	—	-600,160	—	—
Demand Charge Only ¹	—	—	—	—	—	—
Demand	—	—	—	—	—	—
Energy	—	—	—	—	—	—
Other ²	—	—	—	-600,160	—	—
Total						
Sales (thousand kWh)	6,180	—	2,881,685	2,760,684	2,088,122	195,744
Revenue (dollars)	125,974	—	86,803,701	90,402,685	55,967,958	4,953,252
Demand Charge Only ¹	—	—	—	—	—	—
Demand	23,784	—	28,951,777	35,516,616	20,759,932	—
Energy	102,190	—	59,580,579	58,737,087	46,919,158	4,953,252
Other ²	—	—	-1,728,655	-3,851,018	-11,711,132	—

¹ Monetary settlements from contracts where electricity is not taken.

² Includes other transactions involving line and substation rentals, system support charges, and special contract transactions.

³ Includes transactions with power pools, utilities in Canada and Mexico, power marketers, and nonutilities.

⁴ FERC Form 1 respondent with purchased power transactions, but no sales for resale transactions.

⁵ FERC Form 1 respondent with sales for resale transactions, but no purchased power transactions.

⁶ FERC Form 1 respondent with only wheeling.

⁷ FERC Form 1 respondent with only exchanges.

—Not Applicable

Notes: •For identification purposes, the utilities are listed in the State in which the corporate office is located. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 21. Electricity Exchanges by Investor-Owned Utilities, by State, 1994

State / Utility	Investor-Owned			Federal			State and Other Government
	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)
Alabama							
Alabama Power Co	—	—	—	1,358	2,117	—	—
Arizona							
Arizona Public Service Co	—	—	—	5,075	6,050	—	22,549
Tucson Electric Power Co	45,366	22,009	—	23,700	28,440	—	—
Arkansas							
Arkansas Power & Light Co	—	—	—	—	—	—	—
California							
Pacific Gas & Electric Co	425,086	435,286	-2,186,966	147,386	1,236,157	35,714,174	—
San Diego Gas & Electric Co	43,444	48,351	—	343,547	434,207	836,962	6,136
Southern California Edison Co.....	148,998	70,925	—	—	942	—	—
Colorado							
Public Service Co of Colorado.....	—	—	—	429,718	58,685	46,500	667
WestPlains Energy	—	—	—	—	—	—	—
Connecticut							
United Illuminating Co	328,814	—	8,118,657	—	—	—	—
Florida							
Florida Power & Light Co.....	—	—	—	—	—	—	—
Georgia							
Georgia Power Co.....	—	—	—	—	—	—	—
Savannah Electric & Power Co.....	—	—	—	—	—	—	—
Hawaii							
Maui Electric Co Ltd	—	—	—	—	—	—	—
Idaho							
Idaho Power Co	196,020	170,971	-6,480	462,201	570,378	29,680	22,056
Illinois							
Central Illinois Light Co.....	—	878	-20,194	—	—	—	—
Central Illinois Pub Serv Co	1,507	29	32,430	—	—	—	—
Indiana							
Alcoa Generating Corp	165,461	170,524	—	—	—	—	—
Indianapolis Power & Light Co	88	351	—	—	—	—	—
PSI Energy Inc	763	1,232	-6,566	—	—	—	—
Kansas							
Western Resources Inc.....	2,865	2,782	625	—	—	—	—
WestPlains Energy	—	—	—	—	—	—	—
Kentucky							
Kentucky Utilities Co	957	1,238	—	270,649	266,107	—	—
Louisville Gas & Electric Co	2,817	1,382	—	—	—	—	—
Maine							
Maine Public Service Co.....	—	—	—	—	—	—	—
Maryland							
Potomac Edison Co.....	266,568	281,641	-211,878	—	—	—	—
Massachusetts							
New England Power Co	140,124	101,939	—	—	—	—	—
Michigan							
Detroit Edison Co	—	29,627	—	—	—	—	—
Upper Peninsula Power Co.....	174,129	884	3,769,857	—	—	—	—
Minnesota							
Northern States Power Co	33,324	27,954	—	—	—	—	7,292
Missouri							
Empire District Electric Co	—	—	—	3,195	2,695	—	—
Kansas City Power & Light Co	—	—	—	—	—	—	—
Missouri Public Service Co.....	—	—	—	—	—	—	—
Montana							
Montana Power Co	557,427	615,110	52,577	950,322	834,741	4,694,186	828
Nevada							
Nevada Power Co	—	—	—	—	—	—	—
New Mexico							
Public Service Co of NM	70,116	80,404	—	2,328	7,527	—	9,267
New York							
Central Hudson Gas & Elec Corp.....	—	—	—	—	—	—	—
Consolidated Edison Co-NY Inc	—	—	—	—	—	—	206,687
New York State Elec & Gas Corp.....	—	—	—	—	—	—	160,869
North Carolina							
Duke Power Co.....	659,330	707,252	—	—	—	—	—
Yadkin Inc	351,559	329,665	—	—	—	—	—
North Dakota							
MDU Resources Group Inc	—	—	—	11,008	21,387	—	—
Ohio							
Cincinnati Gas & Electric Co.....	—	27,762	—	—	—	—	—
Cleveland Electric Illum Co	37,191	170,549	-2,120,724	—	—	—	—
Dayton Power & Light Co	4,833	2,140	67,325	—	—	—	—

See notes and footnotes at end of table.

Table 21. Electricity Exchanges by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	State and Other Government		Municipal			Cooperative	
	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)
Alabama							
Alabama Power Co	—	—	—	—	—	—	—
Arizona							
Arizona Public Service Co	38,095	—	—	—	—	—	—
Tucson Electric Power Co	—	—	—	—	—	12,099	12,060
Arkansas							
Arkansas Power & Light Co	—	—	—	—	—	—	—
California							
Pacific Gas & Electric Co	—	—	41,953	30,020	1,091,752	—	—
San Diego Gas & Electric Co	5,917	—	—	—	—	—	—
Southern California Edison Co	—	—	16,175	16,175	—	—	—
Colorado							
Public Service Co of Colorado	12,350	—	52	1,623	136,286	—	—
WestPlains Energy	—	—	—	—	—	—	—
Connecticut							
United Illuminating Co	—	—	10,798	14,896	—	—	—
Florida							
Florida Power & Light Co	—	—	—	—	—	3,622	3,718
Georgia							
Georgia Power Co	—	—	—	—	—	—	—
Savannah Electric & Power Co	—	—	—	—	—	—	—
Hawaii							
Maui Electric Co Ltd	—	—	—	—	—	—	—
Idaho							
Idaho Power Co	12,920	—	126,000	126,000	—	—	—
Illinois							
Central Illinois Light Co	—	—	1,656	1,444	4,558	—	—
Central Illinois Pub Serv Co	—	—	1,185	370	20,190	—	—
Indiana							
Alcoa Generating Corp	—	—	—	—	—	—	—
Indianapolis Power & Light Co	—	—	—	—	—	—	164
PSI Energy Inc	—	—	—	—	—	22,418	21,132
Kansas							
Western Resources Inc	—	—	—	—	—	—	—
WestPlains Energy	—	—	—	—	—	—	—
Kentucky							
Kentucky Utilities Co	—	—	—	—	—	121,056	122,711
Louisville Gas & Electric Co	—	—	—	—	—	849	338
Maine							
Maine Public Service Co	—	—	—	—	—	—	—
Maryland							
Potomac Edison Co	—	—	—	—	—	—	—
Massachusetts							
New England Power Co	—	—	—	—	—	—	—
Michigan							
Detroit Edison Co	—	—	—	—	—	—	—
Upper Peninsula Power Co	—	—	5,507	15,222	-120,001	—	—
Minnesota							
Northern States Power Co	—	—	—	—	—	—	—
Missouri							
Empire District Electric Co	—	—	—	—	—	—	—
Kansas City Power & Light Co	—	—	—	—	—	9,334	7,515
Missouri Public Service Co	—	—	—	—	—	61,395	60,389
Montana							
Montana Power Co	—	9,108	—	—	—	—	—
Nevada							
Nevada Power Co	—	—	—	—	—	—	—
New Mexico							
Public Service Co of NM	9,031	—	5,713	10,261	—	74,780	16,058
New York							
Central Hudson Gas & Elec Corp	—	—	—	—	—	—	—
Consolidated Edison Co-NY Inc	313,642	5,700,000	—	—	—	—	—
New York State Elec & Gas Corp	243,875	2,732,400	—	—	—	—	—
North Carolina							
Duke Power Co	—	—	1,247,261	1,067,401	1,753,238	1,913,764	1,600,865
Yadkin Inc	—	—	—	—	—	—	—
North Dakota							
MDU Resources Group Inc	—	—	—	—	—	—	—
Ohio							
Cincinnati Gas & Electric Co	—	—	135	12,090	71,089	—	89,090
Cleveland Electric Illum Co	—	—	—	—	—	—	—
Dayton Power & Light Co	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 21. Electricity Exchanges by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Cooperative	Other ¹			Total		
	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)
Alabama							
Alabama Power Co	—	—	—	—	1,358	2,117	—
Arizona							
Arizona Public Service Co.....	—	—	—	—	27,624	44,145	—
Tucson Electric Power Co	—	—	—	—	81,165	62,509	—
Arkansas							
Arkansas Power & Light Co	—	268,457	223,200	—	268,457	223,200	—
California							
Pacific Gas & Electric Co	—	100,075	39,343	2,098,386	714,500	1,740,806	36,717,346
San Diego Gas & Electric Co	—	—	—	—	393,127	488,475	836,962
Southern California Edison Co.....	—	—	—	—	165,173	88,042	—
Colorado							
Public Service Co of Colorado.....	—	—	—	—	430,437	72,658	182,786
WestPlains Energy	—	111	236	-330	111	236	-330
Connecticut							
United Illuminating Co	—	7,245	—	422,300	346,857	14,896	8,540,957
Florida							
Florida Power & Light Co.....	—	—	—	—	3,622	3,718	—
Georgia							
Georgia Power Co.....	—	311,268	63,943	—	311,268	63,943	—
Savannah Electric & Power Co.....	—	376,333	372,043	—	376,333	372,043	—
Hawaii							
Maui Electric Co Ltd	—	2,609	6,415	-171,862	2,609	6,415	-171,862
Idaho							
Idaho Power Co.....	—	—	—	—	806,277	880,269	23,200
Illinois							
Central Illinois Light Co.....	—	—	—	—	1,656	2,322	-15,636
Central Illinois Pub Serv Co.....	—	—	—	—	2,692	399	52,620
Indiana							
Alcoa Generating Corp	—	—	—	—	165,461	170,524	—
Indianapolis Power & Light Co.....	—	21	—	—	109	515	—
PSI Energy Inc	18,004	76,429	75,744	—	99,610	98,108	11,438
Kansas							
Western Resources Inc.....	—	—	—	—	2,865	2,782	625
WestPlains Energy	—	851,265	850,405	—	851,265	850,405	—
Kentucky							
Kentucky Utilities Co.....	—	32	—	—	392,694	390,056	—
Louisville Gas & Electric Co	—	—	—	—	3,666	1,720	—
Maine							
Maine Public Service Co	—	650	—	—	650	—	—
Maryland							
Potomac Edison Co.....	—	—	—	—	266,568	281,641	-211,878
Massachusetts							
New England Power Co.....	—	—	—	—	140,124	101,939	—
Michigan							
Detroit Edison Co.....	—	—	—	—	—	29,627	—
Upper Peninsula Power Co.....	—	278	923	4,988	179,914	17,029	3,654,844
Minnesota							
Northern States Power Co	—	—	102,532	—	40,616	130,486	—
Missouri							
Empire District Electric Co	—	—	—	—	3,195	2,695	—
Kansas City Power & Light Co.....	23,647	—	—	—	9,334	7,515	23,647
Missouri Public Service Co.....	—	—	—	—	61,395	60,389	—
Montana							
Montana Power Co.....	—	42	—	—	1,508,619	1,449,851	4,755,871
Nevada							
Nevada Power Co.....	—	90,000	81,000	—	90,000	81,000	—
New Mexico							
Public Service Co of NM	—	3,009	2,086	—	165,213	125,367	—
New York							
Central Hudson Gas & Elec Corp.....	—	69,991	5,968	—	69,991	5,968	—
Consolidated Edison Co-NY Inc.....	—	—	—	—	206,687	313,642	5,700,000
New York State Elec & Gas Corp.....	—	—	—	—	160,869	243,875	2,732,400
North Carolina							
Duke Power Co.....	2,371,305	56,039	60,265	—	3,876,394	3,435,783	4,124,543
Yadkin Inc	—	—	—	—	351,559	329,665	—
North Dakota							
MDU Resources Group Inc	—	—	—	—	11,008	21,387	—
Ohio							
Cincinnati Gas & Electric Co.....	—	62,033	62,526	—	62,168	191,468	71,089
Cleveland Electric Illum Co	—	—	—	—	37,191	170,549	-2,120,724
Dayton Power & Light Co.....	—	—	—	—	4,833	2,140	67,325

See notes and footnotes at end of table.

Table 21. Electricity Exchanges by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Investor-Owned			Federal			State and Other Government
	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)
Ohio							
Ohio Edison Co.....	106,181	164,372	2,237,916	—	—	—	—
Ohio Power Co.....	49,250	2,327	—	—	—	—	—
Toledo Edison Co.....	77,638	21,413	1,400,700	—	—	—	—
Oklahoma							
Public Service Co of Oklahoma.....	27,965	27,965	—	123,761	126,146	72,403	760,199
Oregon							
PacifiCorp.....	825,304	619,357	282,227	13,184,614	13,079,965	-38,506,294	317,404
Portland General Electric Co.....	478,183	559,575	—	423,364	403,074	874,376	56,393
Pennsylvania							
Duquesne Light Co.....	171,852	142,330	—	—	—	—	—
West Penn Power Co.....	130,162	145,938	-230,544	—	—	—	—
South Dakota							
Black Hills Corp.....	6,436	6,436	—	9,470	9,877	—	—
Texas							
Central Power & Light Co.....	59,302	61,384	-5,568	—	—	—	23,988
El Paso Electric Co.....	17,520	82,068	—	—	—	—	21,144
Houston Lighting & Power Co.....	4,537,399	12,986,989	—	—	—	—	356,127
Texas Utilities Electric Co.....	15,689,405	7,987,559	—	—	—	—	-263,969
Vermont							
Citizens Utilities Co.....	57,693	34,542	73,168	—	—	—	—
Virginia							
Virginia Electric & Power Co.....	35,144	23,161	—	12,891	12,268	—	—
Washington							
Puget Sound Power & Light Co.....	413,000	413,000	—	226,965	304,580	-531,356	7,104
Washington Water Power Co.....	770,873	653,230	1,980,420	340,826	470,455	-1,840,653	4,322
West Virginia							
Monongahela Power Co.....	71,060	79,434	-198,078	—	—	—	—
Wisconsin							
Wisconsin Power & Light Co.....	11,695	2,811	—	—	—	—	—
Wisconsin Public Service Corp.....	4,027	4,027	—	—	—	—	—

See notes and footnotes at end of table.

Table 21. Electricity Exchanges by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	State and Other Government		Municipal			Cooperative	
	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)
Ohio							
Ohio Edison Co.....	—	—	—	—	—	—	—
Ohio Power Co.....	—	—	20,987	20,058	—	—	—
Toledo Edison Co.....	—	—	—	—	—	—	—
Oklahoma							
Public Service Co of Oklahoma.....	757,125	—	—	—	—	—	—
Oregon							
PacifiCorp.....	311,776	-474,859	46,744	42,949	-186,405	125,080	96,825
Portland General Electric Co.....	64,532	—	52,746	41,468	-41,523	—	—
Pennsylvania							
Duquesne Light Co.....	—	—	—	—	—	—	—
West Penn Power Co.....	—	—	—	—	—	—	—
South Dakota							
Black Hills Corp.....	—	—	—	—	—	—	—
Texas							
Central Power & Light Co.....	23,311	—	—	—	—	64,446	63,267
El Paso Electric Co.....	11,362	—	—	—	—	—	—
Houston Lighting & Power Co.....	3,167	—	4,225,929	7,333	—	—	—
Texas Utilities Electric Co.....	1,811,535	—	4,607,654	10,231,599	—	—	—
Vermont							
Citizens Utilities Co.....	—	—	—	—	—	—	—
Virginia							
Virginia Electric & Power Co.....	—	—	—	—	—	—	—
Washington							
Puget Sound Power & Light Co.....	13,487	-57,793	114,750	114,945	-500,692	—	—
Washington Water Power Co.....	16,513	-126,412	—	—	—	—	—
West Virginia							
Monongahela Power Co.....	—	—	—	—	—	—	—
Wisconsin							
Wisconsin Power & Light Co.....	—	—	—	—	—	—	—
Wisconsin Public Service Corp.....	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 21. Electricity Exchanges by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Cooperative	Other ¹			Total		
	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)	Received (thousand kWh)	Delivered (thousand kWh)	Settlement (dollars)
Ohio							
Ohio Edison Co.....	—	—	135,716	-4,071,480	106,181	300,088	-1,833,564
Ohio Power Co.....	—	—	—	—	70,237	22,385	—
Toledo Edison Co.....	—	1,114	1,075	—	78,752	22,488	1,400,700
Oklahoma							
Public Service Co of Oklahoma.....	—	—	—	—	911,925	911,236	72,403
Oregon							
PacifiCorp.....	-23,177	12,319	199,089	-45,800	14,511,465	14,349,961	-38,954,308
Portland General Electric Co.....	—	365	—	—	1,011,051	1,068,649	832,853
Pennsylvania							
Duquesne Light Co.....	—	13,101	12,872	—	184,953	155,202	—
West Penn Power Co.....	—	—	—	—	130,162	145,938	-230,544
South Dakota							
Black Hills Corp.....	—	—	—	—	15,906	16,313	—
Texas							
Central Power & Light Co.....	36,759	—	—	—	147,736	147,962	31,191
El Paso Electric Co.....	—	—	—	—	38,664	93,430	—
Houston Lighting & Power Co.....	—	3,877,016	—	—	12,996,471	12,997,489	—
Texas Utilities Electric Co.....	—	—	—	—	20,033,090	20,030,693	—
Vermont							
Citizens Utilities Co.....	—	—	—	—	57,693	34,542	73,168
Virginia							
Virginia Electric & Power Co.....	—	410,700	383,038	1,007,750	458,735	418,467	1,007,750
Washington							
Puget Sound Power & Light Co.....	—	—	—	—	761,819	846,012	-1,089,841
Washington Water Power Co.....	—	25	—	—	1,116,046	1,140,198	13,355
West Virginia							
Monongahela Power Co.....	—	—	—	—	71,060	79,434	-198,078
Wisconsin							
Wisconsin Power & Light Co.....	—	—	—	—	11,695	2,811	—
Wisconsin Public Service Corp.....	—	—	—	—	4,027	4,027	—

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •The terms of settlement may include transferring and/or exchanging quantities of electricity with no dollar value assigned. •For identification purposes, the utilities are listed in the State in which the corporate office is located. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 22. Electricity Purchases by Investor-Owned Utilities Not Reported to the Federal Energy Regulatory Commission, by State, 1994

State / Utility	Purchases (Thousand Kilowatthours)						
	Investor-Owned	Federal	State and Other Government	Municipal	Cooperative	Other ¹	Total
Alaska							
Haines Light & Power Co Inc	—	—	—	423	—	424	847
Napakiak Ircinaq Power Co	571	—	—	—	—	—	571
Arizona							
Ajo Improvement Co	—	—	—	—	—	9,450	9,450
Morenci Water & Electric Co	—	—	—	—	27,033	—	27,033
Hawaii							
Hawaii Electric Light Co Inc	—	—	—	—	—	353,448	353,448
Montana							
Champion International Corp	2,288	—	—	—	—	—	2,288
Rhode Island							
Block Island Power Co	—	—	—	—	—	9	9
Utah							
Panaca Power & Light Co	—	—	6,027	—	—	—	6,027
Wisconsin							
Westfield Milling & El Lgt Co	10,384	—	—	—	—	—	10,384

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •For identification purposes, the utilities are listed in the State in which the corporate office is located. •Totals may not equal sum of components because of independent rounding.

Source: •Energy Information Administration Form EIA-861, "Annual Electric Utility Report," and McGraw-Hill's "Electrical World Directory of Electric Utilities," with verification done by the Survey Management Division.

Table 23. Electricity Wheeling by Investor-Owned Utilities, by State, 1994

State / Utility	Investor-Owned		Federal		State and Other Government		Municipal
	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²
Alabama							
Alabama Power Co	47,258	228,866	501,383	6,160,603	—	—	8,191
Arizona							
Arizona Public Service Co.....	1,172,782	3,893,605	31,862	256,691	454,032	3,233,324	11,645
Citizens Utilities Co.....	—	—	—	—	—	—	—
Tucson Electric Power Co.....	879,119	1,004,256	1,675	1,675	12,600	169,289	—
Arkansas							
Arkansas Power & Light Co.....	—	484,646	—	—	—	—	—
California							
Pacific Gas & Electric Co.....	—	627,785	3,764,650	11,121,874	11,370,416	19,343,498	1,615,231
San Diego Gas & Electric Co.....	572,624	2,205,400	960	97,300	10,223	162,123	3,646
Southern California Edison Co.....	1,255,651	9,827,799	133,650	1,248,546	5,702,598	7,139,884	7,381,561
Colorado							
Public Service Co of Colorado.....	2,259	685,779	226,891	3,014,683	—	298,263	363
WestPlains Energy.....	—	—	16,796	14,606	53,853	117,459	—
Connecticut							
Connecticut Light & Power Co.....	4,820,854	19,076,749	—	—	190,189	377,159	661,515
United Illuminating Co.....	—	—	—	—	—	—	—
Delaware							
Delmarva Power & Light Co.....	1,702,007	669,099	—	—	—	—	—
Florida							
Florida Power & Light Co.....	32,784	172,567	—	—	—	—	2,088,276
Florida Power Corp.....	21,096	1,219,390	202,221	220,348	—	—	464,371
Tampa Electric Co.....	—	—	—	—	—	—	—
Georgia							
Georgia Power Co.....	—	—	1,877,656	166,534	—	—	—
Idaho							
Idaho Power Co.....	1,723,088	2,912,064	1,943,638	6,506,466	—	—	94,582
Illinois							
Central Illinois Light Co.....	—	—	—	—	—	—	—
Central Illinois Pub Serv Co.....	—	20,703	—	—	—	—	490,467
Commonwealth Edison Co.....	—	—	—	—	—	—	294,313
Illinois Power Co.....	—	—	—	—	—	—	618,531
Indiana							
Commonwealth Edison Co IN Inc.....	—	272,844	—	—	—	—	—
Indiana Michigan Power Co.....	359,610	2,040,322	—	—	577,733	2,630,824	75,555
Northern Indiana Pub Serv Co.....	—	—	—	—	72,590	30,695	—
PSI Energy Inc.....	2,052,167	5,520,000	—	—	566,591	416,435	—
Southern Indiana Gas & Elec Co.....	244	244	—	—	—	—	2,388
Iowa							
Interstate Power Co.....	—	154,140	273,297	—	195,491	524,700	286,719
IES Utilities Inc.....	16,248	49,715	—	—	—	—	79,744
Midwest Power Systems Inc.....	5,392,836	2,108,851	565,916	862,976	—	—	505,637
Kansas							
Kansas Gas & Electric Co.....	624,323	1,642,670	—	—	229,011	428,423	166,891
Western Resources Inc.....	428,760	620,652	—	—	225,875	259,920	78,821
WestPlains Energy.....	—	—	—	—	—	—	40,148
Kentucky							
Kentucky Power Co.....	136,413	778,422	—	—	681	8,052	22,963
Kentucky Utilities Co.....	—	—	—	—	—	—	—
Louisville Gas & Electric Co.....	150	150	—	—	—	—	—
Louisiana							
Central Louisiana Elec Co Inc.....	—	102,804	—	—	703,010	1,880,640	1,460,152
Louisiana Power & Light Co.....	—	529,852	—	—	—	723,990	—
Southwestern Electric Power Co.....	75,506	144,117	—	—	269,997	460,759	35,888
Maine							
Central Maine Power Co.....	4,196,694	1,636,810	—	—	332,560	413,333	—
Maine Electric Power Co Inc.....	2,899,747	1,866,686	—	—	332,560	227,800	—
Maine Public Service Co.....	101,745	168,791	—	—	—	—	31,279
Maryland							
Baltimore Gas & Electric Co.....	—	2,502,732	—	—	—	—	—
Potomac Edison Co.....	—	268,056	—	—	—	—	154,627
Massachusetts							
Boston Edison Co.....	3,013,438	5,484,659	—	—	—	—	654,633
Cambridge Electric Light Co.....	—	—	—	—	—	—	17,335
Commonwealth Electric Co.....	—	564,986	—	—	—	—	—
Holyoke Water Power Co.....	173	96,778	—	—	—	—	43
Montaup Electric Co.....	229,628	301,761	—	—	57,580	79,365	69,547
New England Hydro-Tran Elec Co.....	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 23. Electricity Wheeling by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Municipal	Cooperative		Other ¹		Total	
	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)
Alabama							
Alabama Power Co.....	19,856	1,748,089	7,501,505	—	—	2,304,921	13,910,830
Arizona							
Arizona Public Service Co.....	143,656	184,851	1,203,663	272,436	774,757	2,127,608	9,505,696
Citizens Utilities Co.....	—	—	—	651	—	651	—
Tucson Electric Power Co.....	—	961,638	923,670	—	—	1,855,032	2,098,890
Arkansas							
Arkansas Power & Light Co.....	—	—	91,483	—	17,043,333	—	17,619,462
California							
Pacific Gas & Electric Co.....	14,556,043	—	—	328,227	1,802,069	17,078,524	47,451,269
San Diego Gas & Electric Co.....	7,158	—	—	—	—	587,453	2,471,981
Southern California Edison Co.....	16,901,187	37,752	137,724	58,439	409,960	14,569,651	35,665,100
Colorado							
Public Service Co of Colorado.....	149,647	908,672	1,970,978	—	—	1,138,185	6,119,350
WestPlains Energy.....	—	637,093	383,363	19,896	82,173	727,638	597,601
Connecticut							
Connecticut Light & Power Co.....	2,963,909	—	—	993,059	3,143,140	6,665,617	25,560,957
United Illuminating Co.....	—	—	—	31,042	367,218	31,042	367,218
Delaware							
Delmarva Power & Light Co.....	—	—	—	—	1,706	1,702,007	670,805
Florida							
Florida Power & Light Co.....	7,205,307	3,467,369	10,683,591	314,427	1,204,449	5,902,856	19,265,914
Florida Power Corp.....	3,078,776	31,349	8,686,530	567,406	2,277,801	1,286,443	15,482,845
Tampa Electric Co.....	—	—	—	707,495	2,059,359	707,495	2,059,359
Georgia							
Georgia Power Co.....	—	—	—	—	—	1,877,656	166,534
Idaho							
Idaho Power Co.....	980,120	—	—	9,216	15,850	3,770,524	10,414,500
Illinois							
Central Illinois Light Co.....	—	23,855	66,154	—	—	23,855	66,154
Central Illinois Pub Serv Co.....	4,817,610	943,716	7,067,660	—	—	1,434,183	11,905,973
Commonwealth Edison Co.....	1,559,308	—	—	—	—	294,313	1,559,308
Illinois Power Co.....	2,307,735	—	—	—	—	618,531	2,307,735
Indiana							
Commonwealth Edison Co IN Inc.....	—	—	—	—	—	—	272,844
Indiana Michigan Power Co.....	486,951	542,609	4,989,600	-33,332	93,377	1,522,175	10,241,074
Northern Indiana Pub Serv Co.....	—	982,230	402,542	—	4,505	1,054,820	437,742
PSI Energy Inc.....	—	2,738,329	4,198,949	—	—	5,357,087	10,135,384
Southern Indiana Gas & Elec Co.....	358	34,836	69,688	9,940	13,714	47,408	84,004
Iowa							
Interstate Power Co.....	1,171,806	502,547	1,267,322	—	—	1,258,054	3,117,968
IES Utilities Inc.....	82,800	85,092	107,118	26,941	108,000	208,025	347,633
Midwest Power Systems Inc.....	1,039,021	1,191,445	474,787	40,804	—	7,696,638	4,485,635
Kansas							
Kansas Gas & Electric Co.....	410,741	441,553	2,845,796	11,050	16,023	1,472,828	5,343,653
Western Resources Inc.....	159,197	921,042	5,185,413	11,050	16,023	1,665,548	6,241,205
WestPlains Energy.....	378,504	267,245	1,803,475	—	—	307,393	2,181,979
Kentucky							
Kentucky Power Co.....	126,622	63,308	191,262	7,758	54,653	231,123	1,159,011
Kentucky Utilities Co.....	—	926,046	1,403,981	—	—	926,046	1,403,981
Louisville Gas & Electric Co.....	—	186,795	186,795	—	—	186,945	186,945
Louisiana							
Central Louisiana Elec Co Inc.....	3,765,600	1,043,586	5,146,838	—	—	3,206,748	10,895,882
Louisiana Power & Light Co.....	—	—	3,910,281	—	—	—	5,164,123
Southwestern Electric Power Co.....	124,734	2,130,824	4,987,532	61,738	160,429	2,573,953	5,877,571
Maine							
Central Maine Power Co.....	—	—	—	273,562	1,223,981	4,802,816	3,274,124
Maine Electric Power Co Inc.....	—	—	—	66,724	481,015	3,299,031	2,575,501
Maine Public Service Co.....	52,931	—	—	337,385	1,709,068	470,409	1,930,790
Maryland							
Baltimore Gas & Electric Co.....	—	—	—	—	1,127,415	—	3,630,147
Potomac Edison Co.....	961,695	—	—	13,962	82,732	168,589	1,312,483
Massachusetts							
Boston Edison Co.....	1,921,715	—	—	1,551,258	4,120,839	5,219,329	11,527,213
Cambridge Electric Light Co.....	171,287	—	—	24,162	350,727	41,497	522,014
Commonwealth Electric Co.....	248,320	—	—	—	211,423	—	1,024,729
Holyoke Water Power Co.....	46	—	—	—	2,190	216	99,014
Montaup Electric Co.....	212,155	—	—	793,825	2,189,363	1,150,580	2,782,644
New England Hydro-Tran Elec Co.....	—	—	—	—	43,893,131	—	43,893,131

See notes and footnotes at end of table.

Table 23. Electricity Wheeling by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Investor-Owned		Federal		State and Other Government		Municipal
	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²
Massachusetts							
New England Power Co.....	2,671,968	12,806,126	—	—	166,560	760,032	3,084,241
Western Massachusetts Elec Co.....	1,128,097	3,804,467	—	—	44,586	165,846	154,610
Michigan							
Consumers Power Co.....	74,435	483,337	—	—	2,746	9,169	1,143
Detroit Edison Co.....	106,097	737,656	—	—	—	—	3,589
Minnesota							
Minnesota Power & Light Co.....	1,238,498	1,604,945	—	—	—	—	531,393
Northern States Power Co.....	1,393,751	4,239,760	—	—	921,778	537,158	760,270
Otter Tail Power Co.....	—	—	—	—	18,669	173,154	7,005
Mississippi							
Mississippi Power & Light Co.....	—	—	—	—	—	—	705,167
Mississippi Power Co.....	1,248	1,334,892	142,027	1,127,430	—	—	—
Missouri							
Empire District Electric Co.....	—	—	—	—	—	—	—
Kansas City Power & Light Co.....	1,119,008	2,885,701	—	—	—	—	293,393
Missouri Public Service Co.....	—	56,061	—	—	—	—	—
St Joseph Light & Power Co.....	200,232	248,316	—	—	—	—	—
Union Electric Co.....	—	—	—	—	—	—	238,942
Montana							
Montana Power Co.....	287,463	228,232	1,892,478	4,653,883	—	—	—
Nevada							
Nevada Power Co.....	31,093	61,581	—	—	1,093,732	1,466,710	24,901
Sierra Pacific Power Co.....	14,544	45,061	491,912	2,673,179	—	—	—
New Hampshire							
Concord Electric Co.....	—	—	—	—	—	—	—
Connecticut Valley Elec Co Inc.....	—	—	—	—	—	—	19,262
Great Bay Power Corp.....	—	—	—	—	—	—	—
New England Elec Transm'n Corp.....	—	—	—	—	—	—	—
New England Hydro-Trans Corp.....	—	—	—	—	—	—	—
North Atlantic Energy Corp.....	—	2,707,922	—	—	—	—	—
Public Service Co of NH.....	1,887,180	10,588,434	—	—	379,735	232,524	98,746
UNITIL Power Corp.....	15,317	40,284	—	—	—	—	—
New Jersey							
Atlantic City Electric Co.....	—	—	—	—	—	—	17,992
Jersey Central Power&Light Co.....	70,008	210,025	—	—	—	—	296,557
Public Service Electric&Gas Co.....	2,162,524	4,384,397	—	—	—	—	13,754
New Mexico							
Public Service Co of NM.....	1,408,282	4,929,712	877,659	2,993,871	334,020	695,126	984,694
Texas-New Mexico Power Co-NM.....	—	127,782	—	—	—	—	—
New York							
Central Hudson Gas & Elec Corp.....	1,337,531	815,512	—	—	20	270,843	—
Consolidated Edison Co-NY Inc.....	3,336,635	10,842,575	—	—	9,648,641	241,305,120	—
Long Island Lighting Co.....	—	—	—	—	799,397	5,659,140	—
Long Sault Inc.....	—	—	—	—	—	—	—
New York State Elec & Gas Corp.....	—	—	—	—	773,408	9,258,483	—
Niagara Mohawk Power Corp.....	2,442,631	38,062,130	—	—	162,217	20,485,047	—
Orange & Rockland Utils Inc.....	—	—	—	—	172,767	120,937	—
Rochester Gas & Electric Corp.....	—	—	—	—	69,213	423,407	—
North Carolina							
Carolina Power & Light Co.....	224,090	705,233	366,772	1,319,996	17,155	1,845,261	94,109
Duke Power Co.....	322,010	5,562,505	429,048	2,656,664	—	—	—
North Dakota							
MDU Resources Group Inc.....	—	—	453,992	298,378	—	—	—
Ohio							
Cincinnati Gas & Electric Co.....	145,554	162,347	—	—	—	—	279,604
Cleveland Electric Illum Co.....	53,156	85,725	—	—	—	—	377,967
Columbus Southern Power Co.....	322,355	1,827,139	—	—	1,650	19,532	113,081
Dayton Power & Light Co.....	—	—	—	—	—	—	307,383
Ohio Edison Co.....	—	26,179	—	—	—	—	1,789,824
Ohio Power Co.....	550,694	3,123,174	—	—	2,825	33,443	419,832
Ohio Valley Electric Corp.....	177,512	282,207	—	—	—	—	—
Toledo Edison Co.....	239,897	466,942	—	—	—	—	6,472
Oklahoma							
Oklahoma Gas & Electric Co.....	5,805	13,109	96,128	780,805	888,522	3,744,779	—
Public Service Co of Oklahoma.....	80,214	166,074	—	—	—	218,325	200
Oregon							
PacifiCorp.....	3,088,509	4,827,802	4,501,888	11,287,988	1,350,294	5,885,080	311,586
Portland General Electric Co.....	215,565	359,097	385,387	589,556	—	—	21,499

See notes and footnotes at end of table.

Table 23. Electricity Wheeling by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Municipal	Cooperative		Other ¹		Total	
	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)
Massachusetts							
New England Power Co	3,830,965	—	—	32,766	11,758,497	5,955,535	29,155,620
Western Massachusetts Elec Co	678,725	—	—	232,941	946,254	1,560,234	5,595,292
Michigan							
Consumers Power Co	13,598	5,681	82,800	121,510	967,364	205,515	1,556,268
Detroit Edison Co	13,726	—	—	—	—	109,686	751,382
Minnesota							
Minnesota Power & Light Co	931,707	—	—	103,939	932,526	1,873,830	3,469,178
Northern States Power Co	3,541,200	2,396,043	72,785	45,343	131,066	5,517,185	8,521,969
Otter Tail Power Co	63,165	—	—	686,516	41,178	712,190	277,497
Mississippi							
Mississippi Power & Light Co	1,518,493	2,261,750	7,236,171	—	7,364,013	2,966,917	16,118,677
Mississippi Power Co	—	—	—	—	2,908	143,275	2,465,230
Missouri							
Empire District Electric Co	—	294,443	1,426,277	—	—	294,443	1,426,277
Kansas City Power & Light Co	1,240,051	9,136	64,509	—	—	1,421,537	4,190,261
Missouri Public Service Co	—	—	16,364	—	—	—	72,425
St Joseph Light & Power Co	—	—	—	—	—	200,232	248,316
Union Electric Co	702,289	281,948	—	—	—	520,890	702,289
Montana							
Montana Power Co	—	14,770	—	—	—	2,194,711	4,882,115
Nevada							
Nevada Power Co	70,006	—	—	186,692	159,244	1,336,418	1,757,541
Sierra Pacific Power Co	—	180,695	202,470	71,613	592,232	758,764	3,512,942
New Hampshire							
Concord Electric Co	—	—	—	155,381	16,473	155,381	16,473
Connecticut Valley Elec Co Inc	1,027	14,190	14,403	—	—	33,452	15,430
Great Bay Power Corp	—	—	—	—	56,726	—	56,726
New England Elec Transm'n Corp	—	—	—	—	13,057,432	—	13,057,432
New England Hydro-Trans Corp	—	—	—	—	34,511,886	—	34,511,886
North Atlantic Energy Corp	—	—	—	—	—	—	2,707,922
Public Service Co of NH	154,342	47,211	188,159	77,099	1,602,822	2,489,971	12,766,281
UNITIL Power Corp	—	—	—	—	—	15,317	40,284
New Jersey							
Atlantic City Electric Co	46,714	—	—	—	—	17,992	46,714
Jersey Central Power&Light Co	2,342,171	117,542	842,351	—	—	484,107	3,394,547
Public Service Electric&Gas Co	77,340	—	—	214,096	990,821	2,390,374	5,452,558
New Mexico							
Public Service Co of NM	1,725,347	72,763	4,252,796	65,317	1,120,816	3,742,735	15,717,668
Texas-New Mexico Power Co-NM	—	—	—	—	—	—	127,782
New York							
Central Hudson Gas & Elec Corp	—	—	—	—	—	1,337,551	1,086,355
Consolidated Edison Co-NY Inc	—	—	—	10,950	1,351,288	12,996,226	253,498,983
Long Island Lighting Co	—	—	—	—	—	799,397	5,659,140
Long Sault Inc	—	—	—	1,971,404	—	1,971,404	—
New York State Elec & Gas Corp	—	—	—	—	—	773,408	9,258,483
Niagara Mohawk Power Corp	34,547	—	—	380,333	9,360,678	2,985,181	67,942,402
Orange & Rockland Utils Inc	—	—	—	—	—	172,767	120,937
Rochester Gas & Electric Corp	—	—	—	—	—	69,213	423,407
North Carolina							
Carolina Power & Light Co	8,875,426	—	—	—	—	702,126	12,745,916
Duke Power Co	4,255,828	—	6,699,275	—	—	751,058	19,174,272
North Dakota							
MDU Resources Group Inc	—	524,299	111,645	17,024	—	995,315	410,023
Ohio							
Cincinnati Gas & Electric Co	311,862	226,502	468,477	—	—	651,660	942,686
Cleveland Electric Illum Co	4,499,429	—	—	1,005,375	1,805,219	1,436,498	6,390,373
Columbus Southern Power Co	732,031	895,320	2,169,143	14,034	82,159	1,346,440	4,830,004
Dayton Power & Light Co	1,292,836	1,063,707	2,065,539	77,001	186,206	1,448,091	3,544,581
Ohio Edison Co	7,090,428	—	—	—	—	1,789,824	7,116,607
Ohio Power Co	2,673,367	5,863,685	15,967,274	13,599	2,294,185	6,850,635	24,091,443
Ohio Valley Electric Corp	—	—	—	—	—	177,512	282,207
Toledo Edison Co	53,327	—	—	105,128	200,786	351,497	721,055
Oklahoma							
Oklahoma Gas & Electric Co	—	345,859	1,073,945	13,200	13,200	1,349,514	5,625,838
Public Service Co of Oklahoma	228	220,857	955,951	61,738	4,763,537	363,009	6,104,115
Oregon							
PacificCorp	1,519,584	516,057	2,370,108	—	—	9,768,334	25,890,562
Portland General Electric Co	175,257	—	—	56,263	152,229	678,714	1,276,139

See notes and footnotes at end of table.

Table 23. Electricity Wheeling by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Investor-Owned		Federal		State and Other Government		Municipal
	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²
Pennsylvania							
Duquesne Light Co	—	—	—	—	—	—	—
Metropolitan Edison Co.....	42,201	6,208,233	—	—	—	—	51,276
Pennsylvania Electric Co.....	2,462,649	3,753,165	—	—	—	—	298,139
Pennsylvania Power & Light Co.....	982,715	2,634,772	—	—	—	—	21,059
Pennsylvania Power Co	—	4,184	—	—	—	—	8,241
PECO Energy Co	—	—	—	—	—	—	—
West Penn Power Co.....	—	65,070	—	—	—	—	208,644
South Carolina							
South Carolina Electric&Gas Co.....	—	87	19,099	37,611	—	—	—
South Dakota							
Black Hills Corp	—	—	—	—	8,998	55,764	28,440
Northwestern Public Service Co	—	—	45,545	51,063	—	—	3,181
Texas							
Central Power & Light Co	—	985,800	—	—	—	123,314	—
El Paso Electric Co.....	171,427	325,848	—	—	246,365	1,236,996	—
Gulf States Utilities Co.....	—	719,659	—	—	699,978	3,163,750	28,560
Houston Lighting & Power Co	6,341,917	8,810,809	—	—	4,201	173,579	63,336
Southwestern Public Service Co	5,445	19,058	—	—	—	—	200
Texas Utilities Electric Co.....	6,254,659	11,435,150	—	—	73,970	118,933	3,297,421
Texas-New Mexico Power Co.....	2,657,736	5,820,076	—	—	—	—	—
West Texas Utilities Co.....	—	818,738	—	—	—	604,223	—
Vermont							
Central Vermont Pub Serv Corp	3,815	35,568	—	—	—	—	153,441
Citizens Utilities Co.....	25,709	926,475	—	—	—	—	47,571
Green Mountain Power Corp.....	40,961	11,471	—	—	—	—	233,168
Vermont Electric Power Co Inc	3,589,352	13,209,283	—	—	—	—	690,827
Vermont Electric Trans Co Inc	—	—	—	—	—	—	—
Virginia							
Appalachian Power Co	687,632	3,982,300	9,735	373,020	3,580	42,368	144,517
Virginia Electric & Power Co.....	—	—	501,371	2,702,268	—	—	698,463
Washington							
Puget Sound Power & Light Co	62,504	45,538	487,226	1,508,358	549,485	192,498	790,913
Washington Water Power Co.....	934,710	7,007,156	1,428,984	5,489,348	89,082	29,456	641,188
West Virginia							
Monongahela Power Co.....	—	9,736,423	—	—	—	—	113,598
Wheeling Power Co.....	—	1,249,106	—	—	—	—	—
Wisconsin							
Northwestern Wisconsin Elec Co.....	—	—	—	—	—	—	—
Superior Water Light&Power Co.....	17	49,203	—	—	—	—	—
Wisconsin Electric Power Co.....	298,168	4,068,862	—	—	—	—	1,172,407
Wisconsin Power & Light Co	329,572	550,745	—	—	—	—	33,007
Wisconsin Public Service Corp.....	2,400	8,400	—	—	—	—	28,231

See notes and footnotes at end of table.

Table 23. Electricity Wheeling by Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Municipal	Cooperative		Other ¹		Total	
	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)	Wheeled Energy (thousand kWh) ²	Revenue (dollars)
Pennsylvania							
Duquesne Light Co	—	—	—	986,008	2,544,122	986,008	2,544,122
Metropolitan Edison Co.....	180,095	294,632	2,119,066	—	—	388,109	8,507,394
Pennsylvania Electric Co.....	1,788,667	1,973,005	5,913,989	220,061	840,690	4,953,854	12,296,511
Pennsylvania Power & Light Co.....	104,428	—	—	413,574	1,524,240	1,417,348	4,263,440
Pennsylvania Power Co	90,772	—	—	—	—	8,241	94,956
PECO Energy Co	—	—	—	435,062	28,795	435,062	28,795
West Penn Power Co.....	1,299,440	—	—	18,994	112,581	227,638	1,477,091
South Carolina							
South Carolina Electric&Gas Co.....	—	—	—	—	—	19,099	37,698
South Dakota							
Black Hills Corp	390,912	1,269,873	1,149,788	—	—	1,307,311	1,596,464
Northwestern Public Service Co	8,176	4,192	13,984	15,097	31,380	68,015	104,603
Texas							
Central Power & Light Co	1,674,208	—	51,928	992,924	82,752	992,924	2,918,002
El Paso Electric Co.....	—	1,851	4,626	—	—	419,643	1,567,470
Gulf States Utilities Co.....	66,476	5,637,457	23,683,764	—	—	6,365,995	27,633,649
Houston Lighting & Power Co	642,456	—	273,111	1,508,431	1,126,397	7,917,885	11,026,352
Southwestern Public Service Co	600	—	—	4,410	13,330	10,055	32,988
Texas Utilities Electric Co.....	3,094,477	1,769,317	7,399,974	—	—	11,395,367	22,048,534
Texas-New Mexico Power Co.....	—	6,796	235,987	223,126	204,915	2,887,658	6,260,978
West Texas Utilities Co.....	432,083	—	68,260	691,200	4,365,299	691,200	6,288,603
Vermont							
Central Vermont Pub Serv Corp	544,548	91,790	462,161	—	—	249,046	1,042,277
Citizens Utilities Co.....	360,154	1,582	21,961	59,196	162,419	134,058	1,471,009
Green Mountain Power Corp.....	426,700	90,622	144,456	—	-254,703	364,751	327,924
Vermont Electric Power Co Inc	2,111,990	199,257	763,258	—	486,918	4,479,436	16,571,449
Vermont Electric Trans Co Inc	—	—	—	7,724,453	—	7,724,453	—
Virginia							
Appalachian Power Co	929,844	98,340	654,186	47,041	260,005	990,845	6,241,723
Virginia Electric & Power Co.....	2,377,514	1,657,172	8,837,845	39,177	—	2,896,183	13,917,627
Washington							
Puget Sound Power & Light Co	216,268	—	—	—	—	1,890,128	1,962,662
Washington Water Power Co.....	305,402	—	—	—	—	3,093,964	12,831,362
West Virginia							
Monongahela Power Co.....	707,677	59,461	69,697	10,344	61,305	183,403	10,575,102
Wheeling Power Co.....	—	—	—	—	—	—	1,249,106
Wisconsin							
Northwestern Wisconsin Elec Co.....	—	14,621	57,015	—	—	14,621	57,015
Superior Water Light&Power Co.....	—	—	—	—	—	17	49,203
Wisconsin Electric Power Co.....	1,102,835	—	—	—	—	1,470,575	5,171,697
Wisconsin Power & Light Co	37,916	—	—	—	—	362,579	588,661
Wisconsin Public Service Corp.....	124,502	—	—	—	—	30,631	132,902

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

² Value presented is the greater of the received or delivered quantity.

—Not Applicable

Notes: •Wheeling (transmission services) is reported in account 456, "Transmission For Others," and in account 565, "Transmission By Others," of the FERC Uniform System of Accounts. •For identification purposes, the utilities are listed in the State in which the corporate office is located. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

Table 24. Electricity Wheeling to Investor-Owned Utilities, by State, 1994

State / Utility	Investor-Owned		Federal		State and Other Government		Municipal
	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²
Arizona							
Arizona Public Service Co.....	199,026	94,831	2,429,459	2,547,118	2,081,387	924,803	28,921
Citizens Utilities Co.....	—	—	1,028,773	2,648,458	—	—	—
Tucson Electric Power Co.....	1,793,940	2,080,245	516,873	572,927	138,613	—	26,553
Arkansas							
Arkansas Power & Light Co.....	—	—	—	63,647	—	—	—
Entergy Power Inc.....	121,573	2,281,742	109,675	2,512,675	—	—	—
California							
Pacific Gas & Electric Co.....	7,654,145	1,219,357	7,469,905	376,661	710,251	1,780,412	700
San Diego Gas & Electric Co.....	614,741	11,255,979	—	58,731	350,101	177,950	46
Southern California Edison Co.....	5,811,019	7,325,891	4,320	85,957	89,413	525,310	376,198
Colorado							
Public Service Co of Colorado.....	—	—	181,056	985,872	201,750	566,904	—
Connecticut							
Connecticut Light & Power Co.....	—	23,426,379	—	—	—	—	36,160
United Illuminating Co.....	703,803	5,858,781	—	—	—	—	10,299
Florida							
Florida Power & Light Co.....	9,726	14,683	—	—	—	—	2,971,021
Idaho							
Idaho Power Co.....	279,650	802,298	464,114	917,251	—	—	—
Illinois							
Commonwealth Edison Co.....	—	273,567	—	—	—	—	—
Illinois Power Co.....	—	—	—	—	—	—	—
Indiana							
Indiana Michigan Power Co.....	—	—	—	—	—	—	—
Northern Indiana Pub Serv Co.....	—	203,828	—	—	—	—	—
PSI Energy Inc.....	—	—	—	—	—	-52,000	—
Southern Indiana Gas & Elec Co.....	—	7,628	—	—	—	—	—
Iowa							
Interstate Power Co.....	1,918,154	2,778,470	—	—	—	—	—
IES Utilities Inc.....	22,736	—	—	—	—	—	—
Midwest Power Systems Inc.....	42,112	6,960	—	—	—	—	—
Kansas							
Kansas Gas & Electric Co.....	1,438,829	-2,552,762	—	—	—	—	—
Western Resources Inc.....	1,438,829	3,609,794	—	—	—	—	—
WestPlains Energy.....	—	1,534,913	—	—	—	—	—
Kentucky							
Kentucky Power Co.....	—	—	—	—	—	—	—
Kentucky Utilities Co.....	—	—	—	—	—	—	—
Louisville Gas & Electric Co.....	—	66,972	—	—	—	—	—
Louisiana							
Central Louisiana Elec Co Inc.....	400	1,160	—	—	—	—	—
Louisiana Power & Light Co.....	—	—	—	—	—	—	—
New Orleans Public Service Inc.....	—	—	—	—	—	—	—
Southwestern Electric Power Co.....	—	1,855,576	—	—	—	—	—
Maine							
Bangor Hydro-Electric Co.....	1,162,439	1,261,768	—	—	—	—	—
Central Maine Power Co.....	1,061,134	798,066	—	—	—	—	—
Maine Public Service Co.....	790,562	863,972	—	—	—	—	—
Maryland							
Baltimore Gas & Electric Co.....	—	-326,766	—	—	—	—	—
Potomac Edison Co.....	13,962	1,774,086	—	—	—	—	154,627
Massachusetts							
Boston Edison Co.....	219,882	350,185	—	—	—	—	—
Cambridge Electric Light Co.....	811,424	6,764,730	—	—	—	—	—
Canal Electric Co.....	341,519	4,999,244	—	—	—	—	—
Commonwealth Electric Co.....	1,956,305	4,473,976	—	—	—	—	—
Fitchburg Gas & Elec Light Co.....	260,809	420,696	—	—	—	—	—
Holyoke Water Power Co.....	—	138,767	—	—	—	—	—
Montaup Electric Co.....	767,618	407,149	—	—	—	—	9,299
New England Power Co.....	4,394,220	26,492,385	—	—	—	—	—
Western Massachusetts Elec Co.....	—	5,684,547	—	—	—	—	—
Michigan							
Detroit Edison Co.....	—	—	—	—	172,606	320,295	—
Minnesota							
Minnesota Power & Light Co.....	6,835	-5,229	—	—	—	—	—
Northern States Power Co.....	2,150,930	2,694,245	184,721	—	—	—	1

See notes and footnotes at end of table.

Table 24. Electricity Wheeling to Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)
Arizona							
Arizona Public Service Co	114,350	8	—	118,378	218,285	4,857,179	3,899,387
Citizens Utilities Co.....	—	—	—	—	—	1,028,773	2,648,458
Tucson Electric Power Co.....	106,917	—	—	—	—	2,475,979	2,760,089
Arkansas							
Arkansas Power & Light Co.....	—	56,426	108,437	—	—	56,426	172,084
Entergy Power Inc.....	—	—	—	230,771	746,686	462,019	5,541,103
California							
Pacific Gas & Electric Co.....	476	—	—	14,960,460	3,808,244	30,795,461	7,185,150
San Diego Gas & Electric Co.....	548,388	439,295	2,129,851	—	—	1,404,183	14,170,899
Southern California Edison Co.....	401,068	—	—	—	—	6,280,950	8,338,226
Colorado							
Public Service Co of Colorado.....	—	—	—	—	—	382,806	1,552,776
Connecticut							
Connecticut Light & Power Co.....	204,481	—	—	—	-59,773	36,160	23,571,087
United Illuminating Co.....	42,859	—	—	27,030	6,690,275	741,132	12,591,915
Florida							
Florida Power & Light Co.....	176,003	—	—	2,885,166	8,336,412	5,865,913	8,527,098
Idaho							
Idaho Power Co.....	—	—	—	—	—	743,764	1,719,549
Illinois							
Commonwealth Edison Co.....	—	—	—	—	—	—	273,567
Illinois Power Co.....	—	7,122	61,508	—	—	7,122	61,508
Indiana							
Indiana Michigan Power Co.....	—	—	—	—	-50,264,383	—	-50,264,383
Northern Indiana Pub Serv Co.....	—	—	—	—	—	—	203,828
PSI Energy Inc.....	111,155	220,282	348,768	—	—	220,282	407,923
Southern Indiana Gas & Elec Co.....	—	—	—	—	—	—	7,628
Iowa							
Interstate Power Co.....	—	—	376,038	—	—	1,918,154	3,154,508
IES Utilities Inc.....	—	101,487	384,235	—	—	124,223	384,235
Midwest Power Systems Inc.....	—	94,796	340,228	—	30	136,908	347,218
Kansas							
Kansas Gas & Electric Co.....	—	—	—	—	—	1,438,829	-2,552,762
Western Resources Inc.....	—	—	—	—	—	1,438,829	3,609,794
WestPlains Energy.....	—	—	—	—	—	—	1,534,913
Kentucky							
Kentucky Power Co.....	—	—	72,309	—	-4,358,287	—	-4,285,978
Kentucky Utilities Co.....	—	737,388	493,148	—	—	737,388	493,148
Louisville Gas & Electric Co.....	—	—	—	—	1,304	—	68,276
Louisiana							
Central Louisiana Elec Co Inc.....	—	—	—	40,481	126,366	40,881	127,526
Louisiana Power & Light Co.....	—	—	—	—	7,437,523	—	7,437,523
New Orleans Public Service Inc.....	—	—	—	—	5,824,138	—	5,824,138
Southwestern Electric Power Co.....	—	—	—	—	2,698,174	—	4,553,750
Maine							
Bangor Hydro-Electric Co.....	—	—	—	394,913	1,525,655	1,557,352	2,787,423
Central Maine Power Co.....	42,096	—	—	985,497	869,645	2,046,631	1,709,807
Maine Public Service Co.....	—	—	—	663,654	1,034,768	1,454,216	1,898,740
Maryland							
Baltimore Gas & Electric Co.....	—	—	—	—	-1,451,051	—	-1,777,817
Potomac Edison Co.....	—	—	—	—	—	168,589	1,774,086
Massachusetts							
Boston Edison Co.....	—	—	—	—	708,243	219,882	1,058,428
Cambridge Electric Light Co.....	—	—	—	519,986	441,631	1,331,410	7,206,361
Canal Electric Co.....	—	—	—	135,924	419,051	477,443	5,418,295
Commonwealth Electric Co.....	—	—	—	279,699	233,669	2,236,004	4,707,645
Fitchburg Gas & Elec Light Co.....	—	—	—	142,948	537,140	403,757	957,836
Holyoke Water Power Co.....	—	—	8,395	—	—	—	147,162
Montaup Electric Co.....	109,151	—	—	204,377	937,953	981,294	1,454,253
New England Power Co.....	—	—	3,564,580	1,650,854	3,337,516	6,045,074	33,394,481
Western Massachusetts Elec Co.....	10,743	—	—	—	-13,945	—	5,681,345
Michigan							
Detroit Edison Co.....	—	—	—	—	—	172,606	320,295
Minnesota							
Minnesota Power & Light Co.....	—	—	—	—	—	6,835	-5,229
Northern States Power Co.....	120	443,775	276,658	—	—	2,779,427	2,971,023

See notes and footnotes at end of table.

Table 24. Electricity Wheeling to Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Investor-Owned		Federal		State and Other Government		Municipal
	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²
Missouri							
Empire District Electric Co.....	644,571	1,202,048	—	—	—	—	—
Kansas City Power & Light Co.....	—	173,838	—	—	—	—	—
Missouri Public Service Co.....	—	118,884	—	—	—	—	—
St Joseph Light & Power Co.....	—	—	—	—	—	—	—
Union Electric Co.....	168,601	573,848	—	—	—	—	—
Montana							
Montana Power Co.....	13,896	1,467,851	1,597,260	6,009,573	—	—	—
Nevada							
Nevada Power Co.....	24,217	93,800	330,569	357,039	61	122	8,905
Sierra Pacific Power Co.....	379,428	2,350,862	358	1,031	—	—	57,076
New Hampshire							
North Atlantic Energy Corp.....	—	2,707,922	—	—	—	—	—
Public Service Co of NH.....	—	14,914,530	—	—	—	—	—
UNITIL Power Corp.....	1,426,923	4,454,233	—	—	—	—	—
New Jersey							
Jersey Central Power&Light Co.....	1,647,720	1,796,850	—	—	—	—	—
Public Service Electric&Gas Co.....	—	116,202	—	—	—	—	—
New Mexico							
Public Service Co of NM.....	849,421	2,389,413	1,045,208	—	3,734	1,469,015	—
Texas-New Mexico Power Co-NM.....	169,427	324,178	—	—	—	50,000	—
New York							
Central Hudson Gas & Elec Corp.....	81,510	2,313,784	—	—	207,446	414,922	—
Long Island Lighting Co.....	—	16,342,447	—	—	—	29,407,824	—
New York State Elec & Gas Corp.....	21,844,470	17,740,191	—	—	—	2,385,511	—
Niagara Mohawk Power Corp.....	—	—	—	—	—	—	112
Orange & Rockland Utils Inc.....	694,860	2,411,572	—	—	—	450,000	—
Rochester Gas & Electric Corp.....	—	12,208,007	—	—	—	3,537,604	—
North Carolina							
Carolina Power & Light Co.....	640,074	—	—	—	—	—	—
Duke Power Co.....	348	89	—	—	126,801	857,280	—
North Dakota							
MDU Resources Group Inc.....	6	18	792,768	382,980	—	—	—
Ohio							
Cleveland Electric Illum Co.....	217,211	346,457	—	—	—	—	—
Columbus Southern Power Co.....	—	—	—	—	—	—	—
Dayton Power & Light Co.....	41,015	46,296	—	—	—	—	—
Ohio Power Co.....	—	1,429,627	—	—	—	—	—
Toledo Edison Co.....	684,123	339,497	—	—	—	—	—
Oklahoma							
Public Service Co of Oklahoma.....	—	18,380	—	—	—	—	—
Oregon							
PacifiCorp.....	4,000,878	19,347,958	10,410,319	24,340,224	1,692,849	331,601	10,525
Portland General Electric Co.....	2,371,672	4,585,875	11,388,479	26,253,437	—	773,560	3,180
Pennsylvania							
Duquesne Light Co.....	—	6,452,421	—	—	—	—	—
Metropolitan Edison Co.....	—	75,576	—	—	—	—	—
Pennsylvania Electric Co.....	1,647,725	2,265,313	—	—	—	—	—
Pennsylvania Power & Light Co.....	425,000	429,676	—	—	—	—	—
PECO Energy Co.....	—	—	—	—	—	—	—
West Penn Power Co.....	18,994	9,825,302	—	—	—	—	208,644
Rhode Island							
Narragansett Electric Co.....	—	1,504,517	—	—	—	—	—
Newport Electric Corp.....	785,696	197,480	—	—	—	—	4,543
South Dakota							
Black Hills Corp.....	21,598	506,591	—	—	—	—	—
Northwestern Public Service Co.....	—	—	244,879	588,787	—	—	—
Texas							
Central Power & Light Co.....	—	1,853,501	—	—	—	188,980	—
El Paso Electric Co.....	394,090	2,883,712	—	—	72,072	1,879,709	—
Gulf States Utilities Co.....	—	—	—	—	—	—	—
Houston Lighting & Power Co.....	136,462	25,991	—	—	8,478	25,230	65,651
Southwestern Electric Serv Co.....	3,349,923	2,537,945	—	—	193,169	153,611	2,657,319
Southwestern Public Service Co.....	122,258	64,518	—	—	—	—	—
Texas Utilities Electric Co.....	65,713	12,894,832	—	—	7,413	424,109	48,803
Texas-New Mexico Power Co.....	2,323,875	6,987,585	—	—	—	300,658	—
West Texas Utilities Co.....	—	2,293	—	—	—	343	—

See notes and footnotes at end of table.

Table 24. Electricity Wheeling to Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)
Missouri							
Empire District Electric Co	—	—	—	—	—	644,571	1,202,048
Kansas City Power & Light Co	157,652	—	—	—	14,800	—	346,290
Missouri Public Service Co	—	—	6,383	—	—	—	125,267
St Joseph Light & Power Co	—	919	15,600	475	—	1,394	15,600
Union Electric Co	—	194,325	—	—	—	362,926	573,848
Montana							
Montana Power Co	—	3,507	19,286	—	—	1,614,663	7,496,710
Nevada							
Nevada Power Co	38,020	—	—	—	—	363,752	488,981
Sierra Pacific Power Co	303,338	—	—	24,165	—	461,027	2,655,231
New Hampshire							
North Atlantic Energy Corp	—	—	—	—	—	—	2,707,922
Public Service Co of NH	—	—	177,478	—	255,162	—	15,347,170
UNITIL Power Corp	—	—	—	396,874	620,359	1,823,797	5,074,592
New Jersey							
Jersey Central Power&Light Co	—	—	—	—	2,589,072	1,647,720	4,385,922
Public Service Electric&Gas Co	—	—	—	—	—	—	116,202
New Mexico							
Public Service Co of NM	—	75,048	76,320	—	—	1,973,411	3,934,748
Texas-New Mexico Power Co-NM	—	—	—	—	—	169,427	374,178
New York							
Central Hudson Gas & Elec Corp	—	—	—	—	53,945	288,956	2,782,651
Long Island Lighting Co	—	—	—	4,438,091	1,128,479	4,438,091	46,878,750
New York State Elec & Gas Corp	—	—	—	—	420,540	21,844,470	20,546,242
Niagara Mohawk Power Corp	336	—	—	1,718,089	1,851,782	1,718,201	1,852,118
Orange & Rockland Utils Inc	—	—	—	—	878,145	694,860	3,739,717
Rochester Gas & Electric Corp	—	—	—	—	-265,584	—	15,480,027
North Carolina							
Carolina Power & Light Co	—	—	—	—	—	640,074	—
Duke Power Co	—	—	—	—	—	127,149	857,369
North Dakota							
MDU Resources Group Inc	—	4,181	1,465	10,805	—	807,760	384,463
Ohio							
Cleveland Electric Illum Co	—	—	—	—	—	217,211	346,457
Columbus Southern Power Co	—	—	—	—	30,069,700	—	30,069,700
Dayton Power & Light Co	—	—	—	—	—	41,015	46,296
Ohio Power Co	—	—	—	—	14,324,806	—	15,754,433
Toledo Edison Co	—	—	—	44,510	345,836	728,633	685,333
Oklahoma							
Public Service Co of Oklahoma	—	—	—	—	1,480,169	—	1,498,549
Oregon							
PacifiCorp	337,039	303,112	1,957,996	—	—	16,417,683	46,314,818
Portland General Electric Co	1,370,825	—	758	-5,442	-18,956	13,757,889	32,965,499
Pennsylvania							
Duquesne Light Co	—	—	—	—	—	—	6,452,421
Metropolitan Edison Co	—	—	—	—	299,762	—	375,338
Pennsylvania Electric Co	—	—	—	—	—	1,647,725	2,265,313
Pennsylvania Power & Light Co	—	—	—	—	—	425,000	429,676
PECO Energy Co	—	—	—	435,062	28,795	435,062	28,795
West Penn Power Co	—	—	—	—	—	227,638	9,825,302
Rhode Island							
Narragansett Electric Co	—	—	—	—	—	—	1,504,517
Newport Electric Corp	131,016	—	—	4,389	184,291	794,628	512,787
South Dakota							
Black Hills Corp	—	—	—	—	—	21,598	506,591
Northwestern Public Service Co	—	2,832	9,262	—	—	247,711	598,049
Texas							
Central Power & Light Co	67,206	—	—	—	4,606,195	—	6,715,882
El Paso Electric Co	—	—	—	—	—	466,162	4,763,421
Gulf States Utilities Co	—	—	—	—	10,699,484	—	10,699,484
Houston Lighting & Power Co	33,024	9,278	1,851	—	—	219,869	86,096
Southwestern Electric Serv Co	95,866	2,657,319	43,549	—	—	8,857,730	2,830,971
Southwestern Public Service Co	—	5,171	3,070	—	—	127,429	67,588
Texas Utilities Electric Co	771,777	21,710	-258,881	—	-12,816,434	143,639	1,015,403
Texas-New Mexico Power Co	441,879	—	8,400	—	1,625	2,323,875	7,740,147
West Texas Utilities Co	401	—	77	—	838,064	—	841,178

See notes and footnotes at end of table.

Table 24. Electricity Wheeling to Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Investor-Owned		Federal		State and Other Government		Municipal
	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²
Vermont							
Central Vermont Pub Serv Corp	2,444,614	14,066,720	—	—	9,900	207,630	362
Citizens Utilities Co.....	93,416	792,455	—	—	—	—	2,344
Green Mountain Power Corp.....	1,524,731	5,455,299	—	—	—	77,085	34,337
Virginia							
Appalachian Power Co	—	—	—	—	—	—	—
Virginia Electric & Power Co.....	—	—	—	—	—	—	—
Washington							
Puget Sound Power & Light Co	34,249	1,347,913	2,029,647	29,835,562	—	-2,906	—
Washington Water Power Co.....	46,512	77,487	248,768	9,499,138	—	—	858
Wisconsin							
Consolidated Water Power Co	2,480	8,400	—	—	—	—	—
Madison Gas & Electric Co	289,243	437,548	—	—	—	—	—
Wisconsin Electric Power Co.....	661,890	1,988,321	—	—	—	—	—
Wisconsin Power & Light Co	79,775	155,698	—	—	—	—	—
Wisconsin Public Service Corp.....	421,704	674,891	—	—	—	—	—

See notes and footnotes at end of table.

Table 24. Electricity Wheeling to Investor-Owned Utilities, by State, 1994 (Continued)

State / Utility	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)	Wheeled Energy (thousand kWh) ²	Cost (dollars)
Vermont							
Central Vermont Pub Serv Corp	127	—	2,685	—	—	2,454,876	14,277,162
Citizens Utilities Co.....	9,659	—	—	—	629,578	95,760	1,431,692
Green Mountain Power Corp.....	89,826	—	—	258,513	3,929,365	1,817,581	9,551,575
Virginia							
Appalachian Power Co	—	2,464	23,484	—	10,228,164	2,464	10,251,648
Virginia Electric & Power Co.....	—	4,052	9,816	—	—	4,052	9,816
Washington							
Puget Sound Power & Light Co	-82,998	—	—	—	—	2,063,896	31,097,571
Washington Water Power Co.....	3,665	—	24,104	—	—	296,138	9,604,394
Wisconsin							
Consolidated Water Power Co	—	—	—	—	—	2,480	8,400
Madison Gas & Electric Co	—	—	—	—	—	289,243	437,548
Wisconsin Electric Power Co.....	—	—	—	—	—	661,890	1,988,321
Wisconsin Power & Light Co	—	—	—	—	—	79,775	155,698
Wisconsin Public Service Corp.....	—	—	—	—	—	421,704	674,891

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

² Value presented is the greater of the received or delivered quantity.

—Not Applicable

Notes: •Wheeling (transmission services) is reported in account 456, "Transmission For Others," and in account 565, "Transmission By Others," of the FERC Uniform System of Accounts. •For identification purposes, the utilities are listed in the State in which the corporate office is located. •Totals may not equal sum of components because of independent rounding.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees."

3. Bulk Power Transactions by Federal and Other Publicly Owned Utilities

Overview

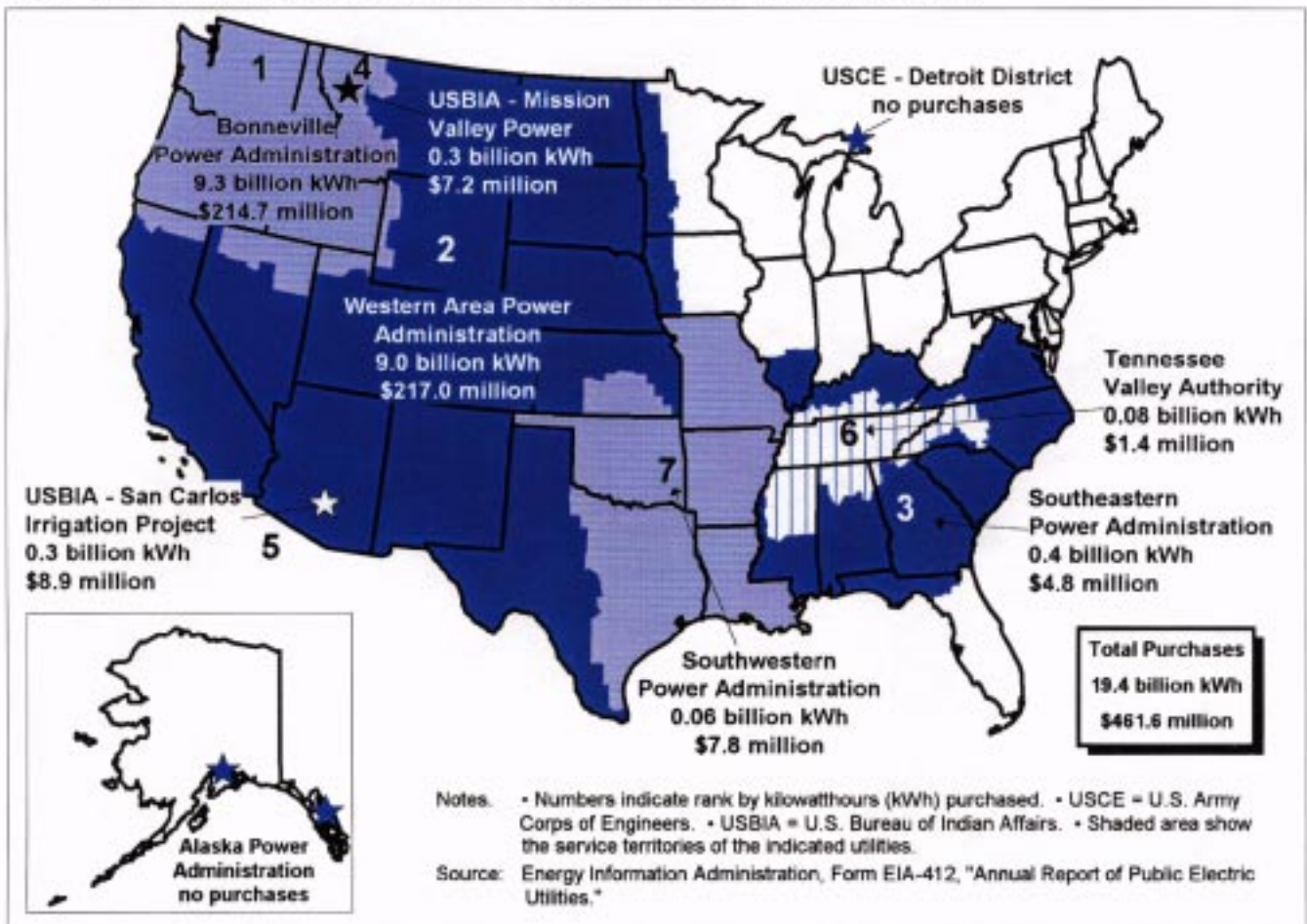
This chapter presents electricity trade data for publicly owned utilities that report on Form EIA-412, "Annual Report of Public Electric Utilities." These data are separated into three types of public ownership: Federal, State and Other Government Utilities, and Municipalities. Summary totals by calendar year (except for Federal) cannot be provided because

filings by utilities were based on different fiscal years and ending months.

Individual transactions by public utilities with other utilities by class of ownership are identified for purchased power and sales for resale data. Form EIA-412 collects only aggregate information (on a sample basis) on exchanges and wheeling in the "Energy Account Balance" schedule. Summary data from Form

EIA-861, "Annual Electric Utility Report," are used to provide complete the coverage for the public utilities because it is collected from all electric utilities. However, Form EIA-861 does not identify individual transaction partners.

Figure 8. Electricity Purchases and Costs by Federal Utilities, Fiscal Year 1994



Tables

This chapter presents cost, revenue, and quantity data on purchased power and sales for resale for the following types of public utilities.

- Federal utilities (Tables 25 and 26)
- State and other government utilities (Tables 27 and 28)
- Municipalities (Tables 29 and 30)
- Electricity purchases by publicly owned utilities not listed elsewhere (Table 31).

Tables 25 through 30 provide information on the total cost and revenue associated with the total quantity of purchased power and sales for resale. Other utilities which do not report on the Form EIA-412 because of their small size are shown in Table 31. Table 32 provides information on exchanges and wheeling for public electric utilities. In 1990, Form EIA-412 was updated to collect data on the different categories of power and energy and the associated value of electric

utility trade. However, the value of the categories were not subdivided into Demand, Energy, and Other for revenues and costs.

The public utilities are listed by State according to the mailing addresses of their administrative offices. The fiscal-year ending date for each public utility is also included in the tables. Federal utilities are listed by major project, office, or administrative reporting level.

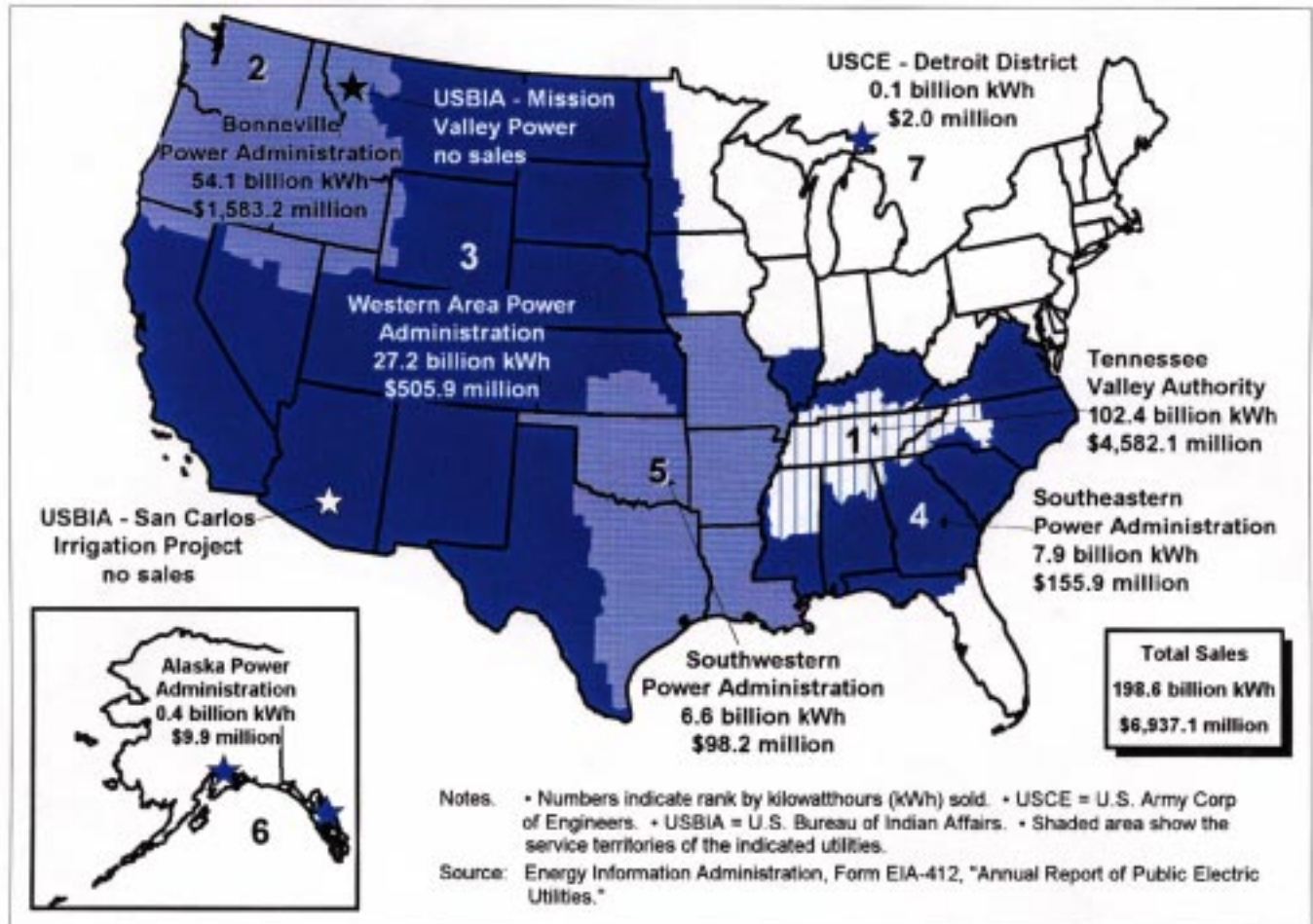
Summary

Federal power authorities dominate electric trade by publicly owned utilities. However, regional differences among the Federal authorities exist because of legal authority given and restrictions placed in the Federal laws that guide their activities. Many of these differences are due to Federal flood prevention and irrigation requirements at hydroelectric projects or the limitations of corresponding transmission system operated by the power marketing authorities.

State power agencies and other public authorities purchase large amounts of electricity for resale to their wholesale customers. Some of these organizations

have been set up to acquire power for special in-State or regional projects, such as water transfer for irrigation and/or public consumption. In other cases,

Figure 9. Electricity Sales for Resale and Revenue by Federal Utilities, Fiscal Year 1994



States have established power brokering agencies to purchase bulk power for redistribution to member municipalities and cooperatives at lower costs.

Municipalities purchase far more power than they sell for resale. Their purchases are almost always redis-

tributed to the ultimate consumers of electricity. Those municipal utilities involved in sales for resale usually have large generating capability, frequently including hydroelectric facilities and/or jointly owned thermal generators.

Figure 10. Electricity Purchases and Costs by the Top Ten State and Other Government Utilities, Fiscal Year 1994

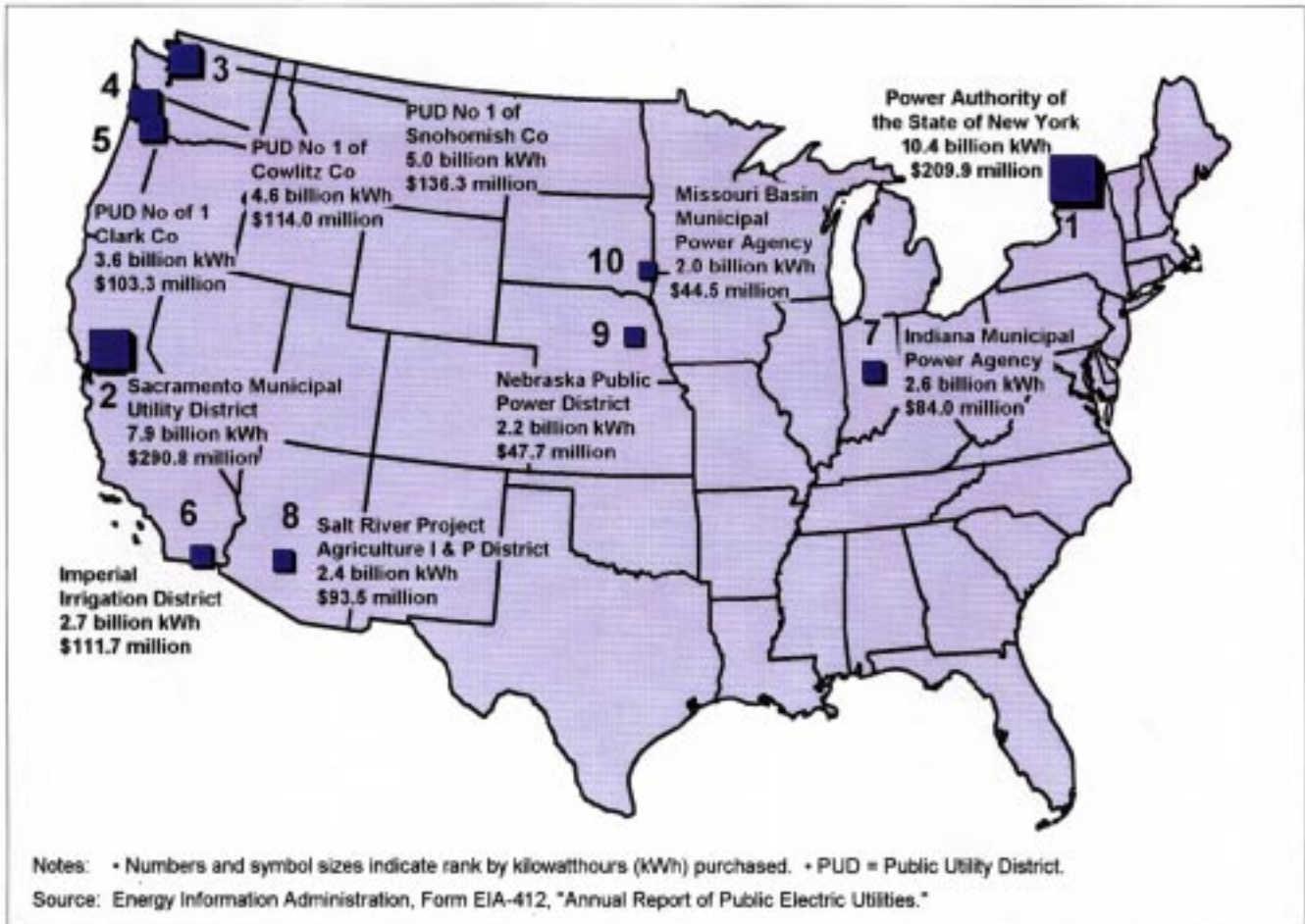


Figure 11. Electricity Sales for Resale and Revenue by the Top Ten State and Other Government Utilities, Fiscal Year 1994

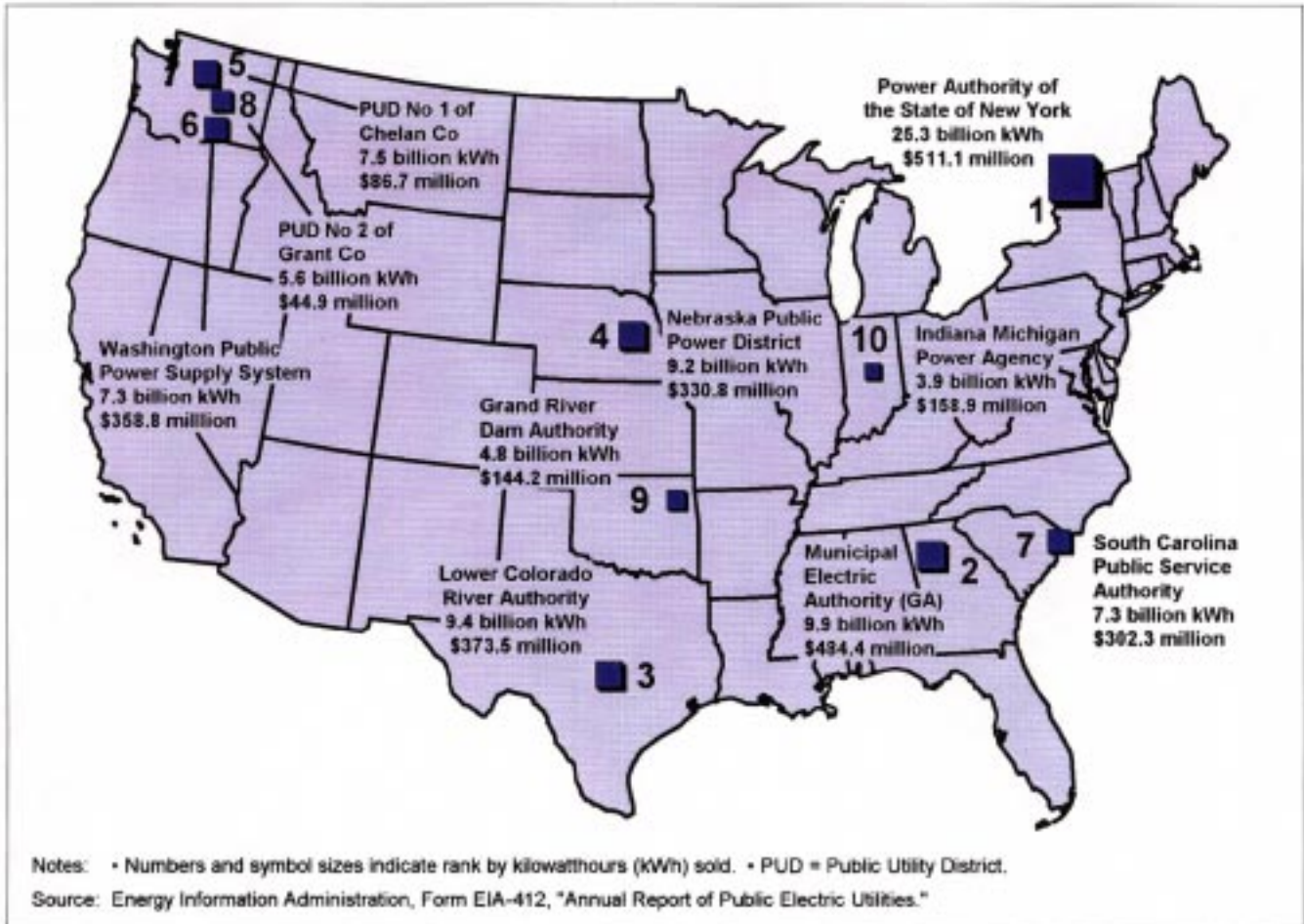


Figure 12. Electricity Purchases and Costs by the Top Ten Municipal Utilities, Fiscal Year 1994

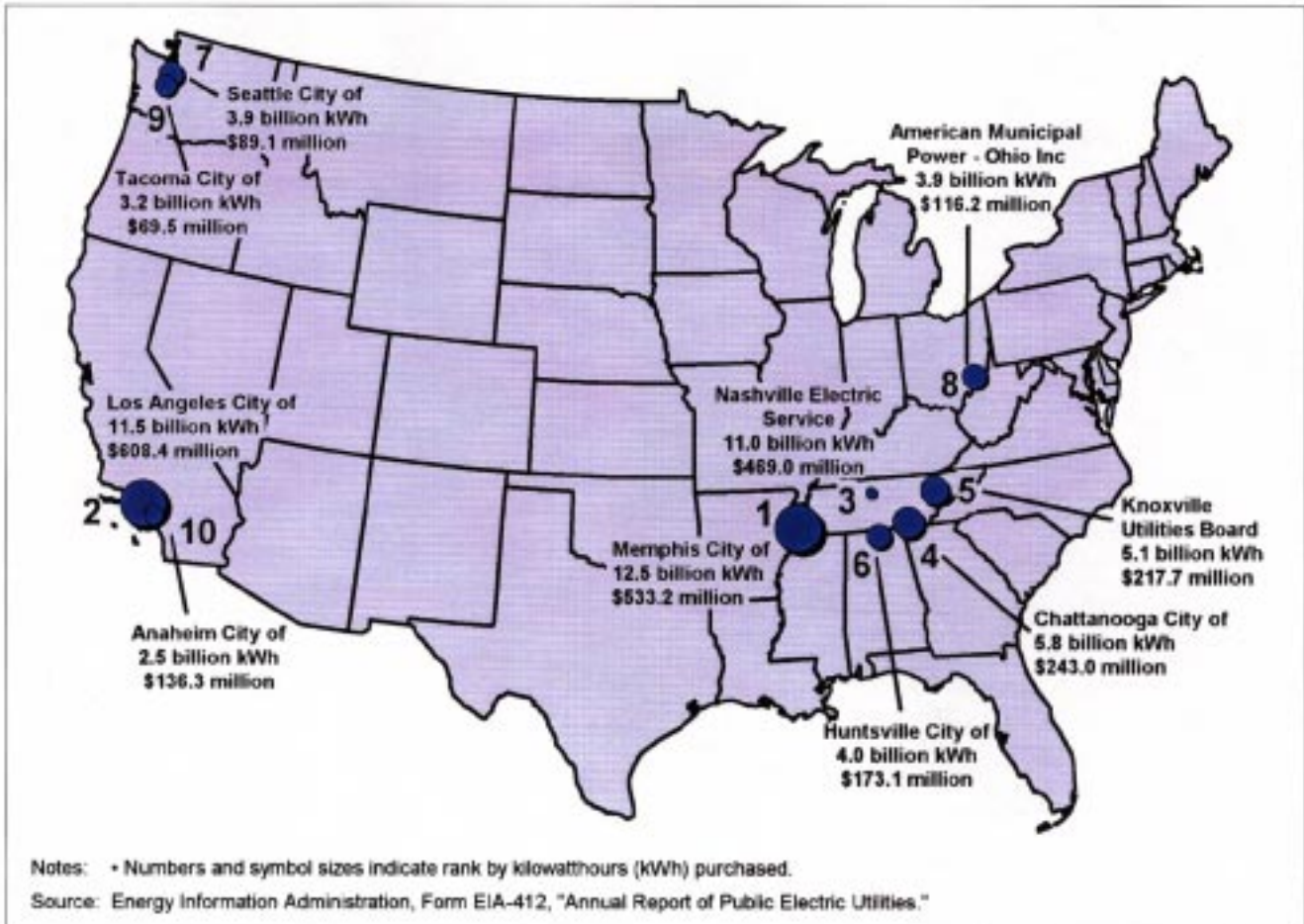


Figure 13. Electricity Sales for Resale and Revenue by the Top Ten Municipal Utilities, Fiscal Year 1994

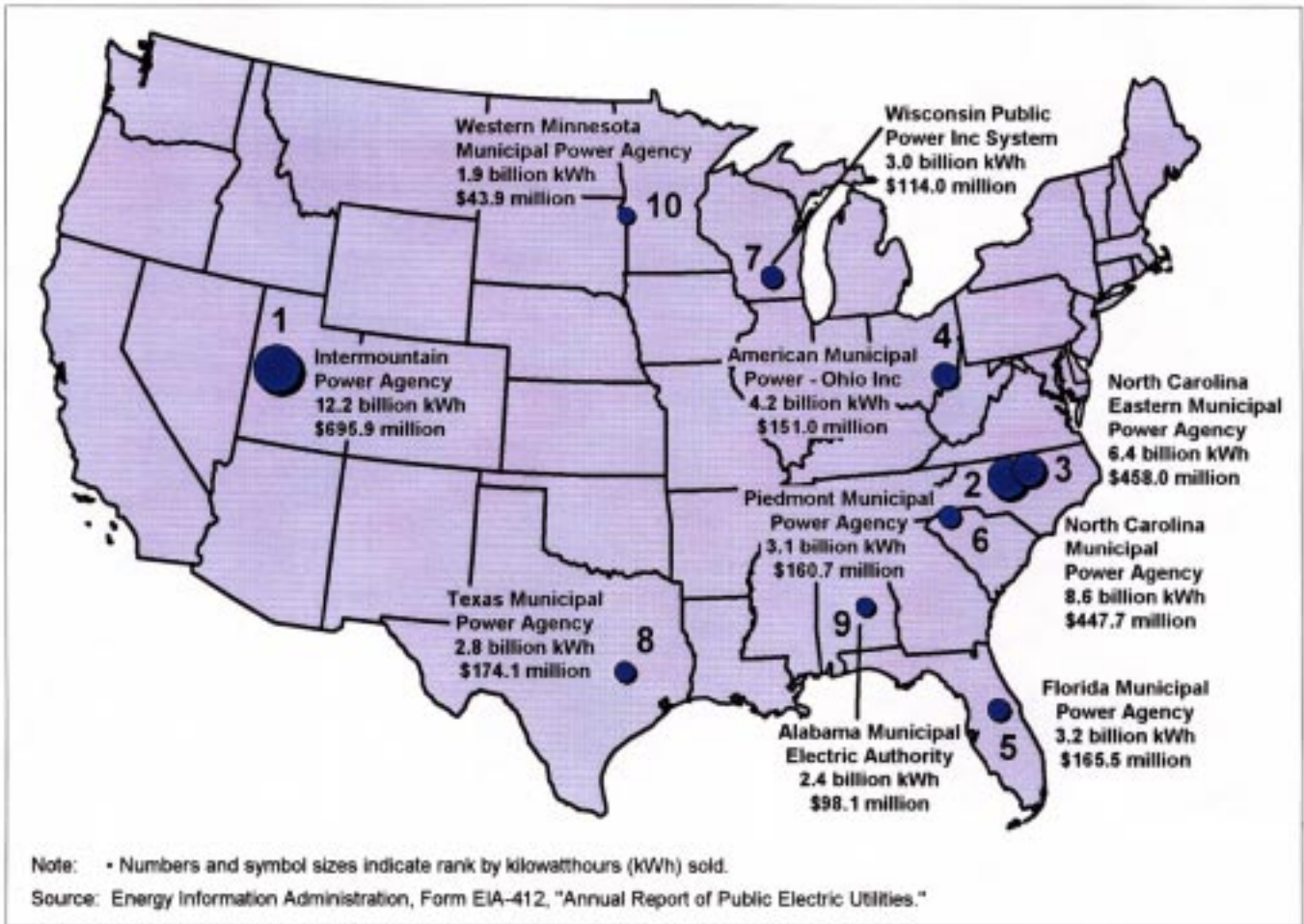


Table 25. Electricity Purchases by Federal Utilities, Fiscal Year Ending September 30, 1994

State / Utility	Source of Electricity							
	Investor-Owned		Federal		State and Other Government		Municipal	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Arizona								
USBIA-San Carlos Project	—	—	—	—	—	—	—	—
Colorado								
Western Area Power Admin.....	5,197,739	124,492,959	83,448	1,786,271	473,632	8,677,634	617,529	25,813,378
Georgia								
Southeastern Power Admin.....	19,586	480,663	—	—	179,574	2,220,114	—	—
Montana								
USBIA-Mission Valley Power	84,582	1,259,917	210,879	5,873,662	—	—	—	—
Oklahoma								
Southwestern Power Admin	55,686	1,934,854	—	—	—	—	—	—
Oregon								
Bonneville Power Admin.....	4,701,004	115,296,762	22,264	308,799	315,000	7,660,187	178,253	4,016,645
Tennessee								
Tennessee Valley Authority.....	—	—	—	—	—	—	—	—
U.S. Total.....	10,058,597	243,465,155	316,591	7,968,732	968,206	18,557,935	795,782	29,830,023

Source of Electricity					
Cooperative		Other ¹		Total	
Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)

Arizona						
USBIA-San Carlos Project	—	—	273,330	8,852,465	273,330	8,852,465
Colorado						
Western Area Power Admin.....	2,217,390	38,314,981	452,524	17,958,392	9,042,262	217,043,615
Georgia						
Southeastern Power Admin.....	161,005	2,064,228	—	—	360,165	4,765,005
Montana						
USBIA-Mission Valley Power	—	—	1,041	25,487	296,502	7,159,066
Oklahoma						
Southwestern Power Admin	—	—	—	5,816,711	55,686	7,751,565
Oregon						
Bonneville Power Admin.....	1,034,544	23,044,046	3,048,794	64,367,883	9,299,859	214,694,322
Tennessee						
Tennessee Valley Authority.....	—	—	75,203	1,356,879	75,203	1,356,879
U.S. Total.....	3,412,939	63,423,255	3,850,892	98,377,817	19,403,007	461,622,917

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •Federal authorities use different accounting methods for reporting energy received from Federal generating assets; the energy may be reported as generation or purchases. •For identification purposes, the public utilities are listed in the State in which the administrative office is located. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities."

Table 26. Electricity Sales for Resale by Federal Utilities, Fiscal Year Ending September 30, 1994

State / Utility	Purchaser of Electricity							
	Investor-Owned		Federal		State and Other Government		Municipal	
	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)
Alaska								
Alaska Power Administration.....	232,630	7,261,351	—	—	—	—	81,410	1,339,163
Colorado								
Western Area Power Admin.....	2,141,881	28,217,185	49,337	804,835	8,967,988	174,367,870	8,504,259	158,093,785
Georgia								
Southeastern Power Admin.....	33,752	366,886	3,226,891	23,381,196	226,851	5,286,066	1,241,797	41,645,788
Illinois								
U S Army Corps of Engineers.....	149,459	1,980,850	—	—	—	—	—	—
Oklahoma								
Southwestern Power Admin.....	110,384	1,679,842	186,231	4,341,320	273,540	4,240,739	1,313,971	20,913,438
Oregon								
Bonneville Power Admin.....	7,053,134	331,223,000	150	154,000	23,885,404	653,490,000	12,041,790	313,832,000
Tennessee								
Tennessee Valley Authority.....	—	—	—	—	—	—	72,921,339	3,238,516,092
U.S. Total	9,721,240	370,729,114	3,462,609	28,681,351	33,353,783	837,384,675	96,104,566	3,774,340,266

Purchaser of Electricity					
Cooperative		Other ¹		Total	
Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)

Alaska						
Alaska Power Administration.....	78,100	1,288,507	—	—	392,140	9,889,021
Colorado						
Western Area Power Admin.....	6,352,905	118,395,212	1,172,263	26,001,343	27,188,633	505,880,230
Georgia						
Southeastern Power Admin.....	3,111,040	83,957,867	46,895	1,294,638	7,887,226	155,932,441
Illinois						
U S Army Corps of Engineers.....	—	—	—	—	149,459	1,980,850
Oklahoma						
Southwestern Power Admin.....	4,545,435	64,718,965	150,020	2,304,372	6,579,581	98,198,676
Oregon						
Bonneville Power Admin.....	10,442,081	271,614,000	643,859	12,887,000	54,066,418	1,583,200,000
Tennessee						
Tennessee Valley Authority.....	29,433,322	1,342,501,547	20,746	1,049,249	102,375,407	4,582,066,888
U.S. Total	53,962,883	1,882,476,098	2,033,783	43,536,602	198,638,864	6,937,148,106

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •For identification purposes, the public utilities are listed in the State in which the administrative office is located. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities."

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		Municipal	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Arizona						
Arizona Power Authority/June 30						
Firm Power	—	—	830,012	13,803,795	—	—
Nonfirm Power	—	5,004	—	—	—	—
Total Power	—	5,004	830,012	13,803,795	—	—
Electrical Dist No2 Pinal Cnty/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Navajo Tribal Utility Auth/Dec 31						
Firm Power	436,149	17,624,477	112,783	1,866,947	—	—
Total Power	436,149	17,624,477	112,783	1,866,947	—	—
Salt River Proj Ag I & P Dist/Apr 30						
Firm Power	334,535	24,961,382	737,220	28,261,638	—	—
Nonfirm Power	170,940	4,196,850	131,090	2,357,610	59,055	1,124,715
Other Power	—	—	14,386	—	—	—
Total Power	505,475	29,158,232	882,696	30,619,248	59,055	1,124,715
Tohono O 'Odham Utility Auth/Dec 31						
Firm Power	73,265	5,598,449	13,526	159,571	—	—
Total Power	73,265	5,598,449	13,526	159,571	—	—
California						
California Dept-Wtr Resources/Dec 31						
Firm Power	613,795	26,154,769	—	—	—	—
Nonfirm Power	40,889	792,620	21,855	383,060	141,180	6,339,141
Total Power	654,684	26,947,389	21,855	383,060	141,180	6,339,141
Imperial Irrigation District/Dec 31						
Firm Power	1,097,566	64,016,166	—	—	—	—
Nonfirm Power	187,995	4,206,975	164,705	1,082,842	—	—
Total Power	1,285,561	68,223,141	164,705	1,082,842	—	—
Modesto Irrigation District/Dec 31						
Firm Power	64,155	6,171,340	46,652	1,439,502	678,041	25,209,408
Nonfirm Power	170,816	3,862,813	126,092	2,181,836	82,507	1,233,674
Other Power	2,410	—	—	—	3	—
Total Power	237,381	10,034,153	172,744	3,621,338	760,551	26,443,082
MSR Public Power Agency/Dec 31						
Firm Power	—	—	420,010	21,298,725	—	—
Total Power	—	—	420,010	21,298,725	—	—
Northern California Power Agny/June 30						
Nonfirm Power	204,045	5,588,000	124,456	3,019,000	74,029	1,367,000
Total Power	204,045	5,588,000	124,456	3,019,000	74,029	1,367,000
Sacramento Municipal Util Dist/Dec 31						
Firm Power	2,307,315	141,857,815	2,737,229	75,637,587	—	—
Nonfirm Power	1,499,942	33,446,595	68,443	1,663,095	103,682	2,176,357
Other Power	—	—	—	—	—	—
Total Power	3,807,257	175,304,410	2,805,672	77,300,682	103,682	2,176,357
Southern California P P A/June 30						
Nonfirm Power	—	—	102,447	2,309,670	—	—
Total Power	—	—	102,447	2,309,670	—	—
Colorado						
Arkansas River Power Authority/Dec 31						
Firm Power	—	—	83,694	1,768,338	—	—
Nonfirm Power	—	—	30,842	585,993	134,691	4,247,285
Total Power	—	—	114,536	2,354,331	134,691	4,247,285
Platte River Power Authority/Dec 31						
Firm Power	—	—	727,365	12,639,885	—	—
Nonfirm Power	692	20,161	1,445	34,928	375	8,165
Total Power	692	20,161	728,810	12,674,813	375	8,165
Georgia						
Crisp County Power Comm/Dec 31						
Nonfirm Power	4,464	157,887	30,025	1,146,611	—	—
Total Power	4,464	157,887	30,025	1,146,611	—	—
Municipal Electric Authority/Dec 31						
Firm Power	448,409	11,418,000	—	—	—	—
Total Power	448,409	11,418,000	—	—	—	—
Indiana						
Indiana Municipal Power Agency/Dec 31						
Firm Power	1,949,341	58,991,824	—	—	654,654	24,981,249
Nonfirm Power	—	58,826	—	—	—	—
Total Power	1,949,341	59,050,650	—	—	654,654	24,981,249

See notes and footnotes at end of table.

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Arizona						
Arizona Power Authority/June 30						
Firm Power	—	—	25,914	775,336	855,926	14,579,131
Nonfirm Power	—	—	—	—	—	5,004
Total Power	—	—	25,914	775,336	855,926	14,584,135
Electrical Dist No2 Pinal Cnty/Dec 31						
Firm Power	—	—	167,730	5,583,982	167,730	5,583,982
Total Power	—	—	167,730	5,583,982	167,730	5,583,982
Navajo Tribal Utility Auth/Dec 31						
Firm Power	—	—	—	—	548,932	19,491,424
Total Power	—	—	—	—	548,932	19,491,424
Salt River Proj Ag I & P Dist/Apr 30						
Firm Power	626,155	25,378,766	216,230	4,841,972	1,914,140	83,443,758
Nonfirm Power	77,932	1,736,043	32,150	626,495	471,167	10,041,713
Other Power	—	—	15,255	—	29,641	—
Total Power	704,087	27,114,809	263,635	5,468,467	2,414,948	93,485,471
Tohono O 'Odham Utility Auth/Dec 31						
Firm Power	2,017	210,441	1,305	44,859	90,113	6,013,320
Total Power	2,017	210,441	1,305	44,859	90,113	6,013,320
California						
California Dept-Wtr Resources/Dec 31						
Firm Power	—	—	—	—	613,795	26,154,769
Nonfirm Power	—	—	307,014	3,336,158	510,938	10,850,979
Total Power	—	—	307,014	3,336,158	1,124,733	37,005,748
Imperial Irrigation District/Dec 31						
Firm Power	—	—	870,301	31,954,547	1,967,867	95,970,713
Nonfirm Power	—	—	417,506	10,457,219	770,206	15,747,036
Total Power	—	—	1,287,807	42,411,766	2,738,073	111,717,749
Modesto Irrigation District/Dec 31						
Firm Power	—	—	331,369	16,233,328	1,120,217	49,053,578
Nonfirm Power	—	—	249,560	23,462,555	628,975	30,740,878
Other Power	—	—	—	—	2,413	—
Total Power	—	—	580,929	39,695,883	1,751,605	79,794,456
MSR Public Power Agency/Dec 31						
Firm Power	—	—	—	—	420,010	21,298,725
Total Power	—	—	—	—	420,010	21,298,725
Northern California Power Agny/June 30						
Nonfirm Power	—	—	264,628	6,299,000	667,158	16,273,000
Total Power	—	—	264,628	6,299,000	667,158	16,273,000
Sacramento Municipal Util Dist/Dec 31						
Firm Power	—	—	—	—	5,044,544	217,495,402
Nonfirm Power	101,666	1,615,959	1,109,991	34,445,616	2,883,724	73,347,622
Other Power	—	—	-55,990	—	-55,990	—
Total Power	101,666	1,615,959	1,054,001	34,445,616	7,872,278	290,843,024
Southern California P P A/June 30						
Nonfirm Power	—	—	—	32,237	102,447	2,341,907
Total Power	—	—	—	32,237	102,447	2,341,907
Colorado						
Arkansas River Power Authority/Dec 31						
Firm Power	—	—	—	—	83,694	1,768,338
Nonfirm Power	58,532	2,005,115	—	—	224,065	6,838,393
Total Power	58,532	2,005,115	—	—	307,759	8,606,731
Platte River Power Authority/Dec 31						
Firm Power	—	—	—	—	727,365	12,639,885
Nonfirm Power	7,152	160,552	—	-14,158	9,664	209,648
Total Power	7,152	160,552	—	-14,158	737,029	12,849,533
Georgia						
Crisp County Power Comm/Dec 31						
Nonfirm Power	—	—	266,336	10,033,845	300,825	11,338,343
Total Power	—	—	266,336	10,033,845	300,825	11,338,343
Municipal Electric Authority/Dec 31						
Firm Power	—	—	9,693	462,000	458,102	11,880,000
Total Power	—	—	9,693	462,000	458,102	11,880,000
Indiana						
Indiana Municipal Power Agency/Dec 31						
Firm Power	—	—	—	—	2,603,995	83,973,073
Nonfirm Power	—	—	—	—	—	58,826
Total Power	—	—	—	—	2,603,995	84,031,899

See notes and footnotes at end of table.

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		Municipal	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Kansas						
Kansas Municipal Energy Agency/Dec 31						
Firm Power						
Total Power	218,342	7,569,000	32,580	491,000	—	—
	218,342	7,569,000	32,580	491,000	—	—
Louisiana						
Louisiana Energy & Power Auth/Dec 31						
Firm Power	—	—	86,270	1,472,274	386,189	13,993,360
Nonfirm Power	3,764	87,986	—	—	55,558	1,335,003
Total Power	3,764	87,986	86,270	1,472,274	441,747	15,328,363
Massachusetts						
Mun Wholes Elec Co/Dec 31						
Firm Power	147,380	5,345,724	—	—	77,885	3,461,540
Nonfirm Power	240	5,925	—	—	16,161	400,802
Total Power	147,620	5,351,649	—	—	94,046	3,862,342
Michigan						
Michigan Public Power Agency/Dec 31						
Firm Power	209,865	11,621,305	—	—	455,055	13,005,842
Nonfirm Power	30	1,541	—	—	394	7,205
Total Power	209,895	11,622,846	—	—	455,449	13,013,047
Michigan South Central Pwr Agy/Jun 30						
Firm Power	135,183	3,624,696	—	—	7,977	557,588
Nonfirm Power	79,094	1,700,618	—	—	21,216	476,722
Total Power	214,277	5,325,314	—	—	29,193	1,034,310
Minnesota						
Southern Minnesota Mun P Agny/Dec 31						
Firm Power	1,328	49,130	—	—	276,736	12,135,597
Nonfirm Power	13,257	295,788	8,917	168,765	1,477	1,372,619
Total Power	14,585	344,918	8,917	168,765	278,213	13,508,216
Nebraska						
Cornhusker Public Power Dist/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Dawson County Public Pwr Dist/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Loup River Public Power Dist/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Municipal Energy Agency of NE/Mar 31						
Firm Power	—	—	123,211	2,660,113	168,969	6,111,839
Nonfirm Power	93	3,363	—	—	14,220	277,042
Total Power	93	3,363	123,211	2,660,113	183,189	6,388,881
Nebraska Public Power District/Dec 31						
Firm Power	—	—	738,561	17,184,796	13,976	1,524,487
Nonfirm Power	239,498	3,747,598	205,541	3,416,785	132,142	1,719,350
Total Power	239,498	3,747,598	944,102	20,601,581	146,118	3,243,837
Norris Public Power District/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Omaha Public Power District/Dec 31						
Firm Power	—	—	378,417	5,090,080	—	273,360
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	378,417	5,090,080	—	273,360
Southern Nebraska Rural P P D/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Nevada						
Colorado River Comm of Nevada/Jun 30						
Firm Power	—	306,689	1,544,808	24,934,578	—	—
Nonfirm Power	142,703	4,385,763	—	—	—	—
Total Power	142,703	4,692,452	1,544,808	24,934,578	—	—
New York						
Power Authority of State of NY/Dec 31						
Firm Power	33,686	1,423,161	—	—	—	—
Nonfirm Power	1,152,767	24,291,476	—	—	—	—
Total Power	1,186,453	25,714,637	—	—	—	—

See notes and footnotes at end of table.

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Kansas						
Kansas Municipal Energy Agency/Dec 31						
Firm Power	13,318	683,000	—	—	264,240	8,743,000
Total Power	13,318	683,000	—	—	264,240	8,743,000
Louisiana						
Louisiana Energy & Power Auth/Dec 31						
Firm Power	—	—	113,193	4,077,995	585,652	19,543,629
Nonfirm Power	215	1,590	234,426	5,092,674	293,963	6,517,253
Total Power	215	1,590	347,619	9,170,669	879,615	26,060,882
Massachusetts						
Mun Wholes Elec Co/Dec 31						
Firm Power	—	—	540,205	26,799,331	765,470	35,606,595
Nonfirm Power	—	—	80,389	5,842,436	96,790	6,249,163
Total Power	—	—	620,594	32,641,767	862,260	41,855,758
Michigan						
Michigan Public Power Agency/Dec 31						
Firm Power	—	—	—	—	664,920	24,627,147
Nonfirm Power	—	—	—	—	424	8,746
Total Power	—	—	—	—	665,344	24,635,893
Michigan South Central Pwr Agy/Jun 30						
Firm Power	—	—	—	—	143,160	4,182,284
Nonfirm Power	—	—	—	—	100,310	2,177,340
Total Power	—	—	—	—	243,470	6,359,624
Minnesota						
Southern Minnesota Mun P Agny/Dec 31						
Firm Power	—	—	—	—	278,064	12,184,727
Nonfirm Power	25,580	473,007	36,085	408,585	85,316	2,718,764
Total Power	25,580	473,007	36,085	408,585	363,380	14,903,491
Nebraska						
Cornhusker Public Power Dist/Dec 31						
Firm Power	200,085	6,430,689	—	—	200,085	6,430,689
Total Power	200,085	6,430,689	—	—	200,085	6,430,689
Dawson County Public Pwr Dist/Dec 31						
Firm Power	269,611	8,698,902	—	—	269,611	8,698,902
Total Power	269,611	8,698,902	—	—	269,611	8,698,902
Loup River Public Power Dist/Dec 31						
Firm Power	—	—	926,852	28,263,082	926,852	28,263,082
Total Power	—	—	926,852	28,263,082	926,852	28,263,082
Municipal Energy Agency of NE/Mar 31						
Firm Power	59,789	1,482,048	55,584	1,582,993	407,553	11,836,993
Nonfirm Power	19,671	400,253	404,332	6,288,290	438,316	6,968,948
Total Power	79,460	1,882,301	459,916	7,871,283	845,869	18,805,941
Nebraska Public Power District/Dec 31						
Firm Power	—	—	448,408	13,693,598	1,200,945	32,402,881
Nonfirm Power	293,703	4,681,124	132,946	1,772,778	1,003,830	15,337,635
Total Power	293,703	4,681,124	581,354	15,466,376	2,204,775	47,740,516
Norris Public Power District/Dec 31						
Firm Power	—	—	441,134	13,403,349	441,134	13,403,349
Total Power	—	—	441,134	13,403,349	441,134	13,403,349
Omaha Public Power District/Dec 31						
Firm Power	240	338,640	—	—	378,657	5,702,080
Nonfirm Power	—	—	60	2,700	60	2,700
Total Power	240	338,640	60	2,700	378,717	5,704,780
Southern Nebraska Rural P P D/Dec 31						
Firm Power	435,547	14,896,360	—	—	435,547	14,896,360
Total Power	435,547	14,896,360	—	—	435,547	14,896,360
Nevada						
Colorado River Comm of Nevada/Jun 30						
Firm Power	—	—	—	—	1,544,808	25,241,267
Nonfirm Power	—	—	52,826	1,318,124	195,529	5,703,887
Total Power	—	—	52,826	1,318,124	1,740,337	30,945,154
New York						
Power Authority of State of NY/Dec 31						
Firm Power	—	—	7,463,693	154,051,584	7,497,379	155,474,745
Nonfirm Power	—	—	1,773,284	30,179,782	2,926,051	54,471,258
Total Power	—	—	9,236,977	184,231,366	10,423,430	209,946,003

See notes and footnotes at end of table.

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		Municipal	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
North Carolina						
New River Light & Power Co/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Oklahoma						
Grand River Dam Authority/Dec 31						
Nonfirm Power	100,816	2,069,814	1,130	5,876	2,160	76,320
Total Power	100,816	2,069,814	1,130	5,876	2,160	76,320
Oklahoma Municipal Power Auth/Dec 31						
Firm Power	575,137	14,448,115	—	—	2,829	2,312,420
Nonfirm Power	50	1,000	-32,824	-789,706	15,755	289,223
Total Power	575,187	14,449,115	-32,824	-789,706	18,584	2,601,643
Oregon						
Central Lincoln Peoples Util Dt/Dec 31						
Firm Power	—	—	1,361,646	37,503,009	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	1,361,646	37,503,009	—	—
Clatskanie Peoples Util Dist/Dec 31						
Firm Power	—	—	884,006	23,246,103	—	—
Total Power	—	—	884,006	23,246,103	—	—
Columbia River Peoples Ut Dist/Dec 31						
Firm Power	—	—	285,193	7,294,901	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	285,193	7,294,901	—	—
Emerald People 's Utility Dist/Dec 31						
Firm Power	—	—	388,295	10,545,022	—	—
Nonfirm Power	91	2,214	—	—	—	—
Total Power	91	2,214	388,295	10,545,022	—	—
Northern Wasco County P U D/Dec 31						
Firm Power	—	—	257,672	7,384,243	—	—
Total Power	—	—	257,672	7,384,243	—	—
Tillamook Peoples Utility Dist/Dec 31						
Firm Power	—	—	371,989	10,191,357	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	371,989	10,191,357	—	—
South Carolina						
South Carolina Pub Serv Auth/Dec 31						
Firm Power	110,642	9,946,236	240,014	4,783,442	69,832	3,041,712
Nonfirm Power	19,810	504,476	—	—	—	—
Other Power	—	—	—	—	—	—
Total Power	130,452	10,450,712	240,014	4,783,442	69,832	3,041,712
South Dakota						
Heartland Consumers Power Dist/Dec 31						
Firm Power	—	73,500	—	—	38	318,756
Nonfirm Power	—	—	1,643	29,234	—	—
Total Power	—	73,500	1,643	29,234	38	318,756
Missouri Basin Mun Power Agny/Dec 31						
Firm Power	—	558,477	—	233,553	1,877,204	42,000,948
Nonfirm Power	26,284	380,606	33,027	583,904	—	—
Total Power	26,284	939,083	33,027	817,457	1,877,204	42,000,948
Texas						
Lower Colorado River Authority/Jun 30						
Nonfirm Power	45,721	1,315,082	—	—	12,280	377,748
Total Power	45,721	1,315,082	—	—	12,280	377,748
Sam Rayburn Mun Pwr Agny/Sep 30						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Utah						
Utah Associated Mun Power Sys/Mar 31						
Firm Power	341,655	8,693,068	—	—	—	—
Nonfirm Power	8,676	225,786	160	3,517	3,297	64,655
Total Power	350,331	8,918,854	160	3,517	3,297	64,655
Utah Municipal Power Agency/Jun 30						
Firm Power	8,760	396,895	358,174	6,455,546	—	—
Nonfirm Power	3,689	87,996	15,470	262,990	876	16,886
Total Power	12,449	484,891	373,644	6,718,536	876	16,886

See notes and footnotes at end of table.

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
North Carolina						
New River Light & Power Co/Dec 31						
Firm Power	174,823	8,203,343	—	—	174,823	8,203,343
Total Power	174,823	8,203,343	—	—	174,823	8,203,343
Oklahoma						
Grand River Dam Authority/Dec 31						
Nonfirm Power	181,940	3,805,589	—	—	286,046	5,957,599
Total Power	181,940	3,805,589	—	—	286,046	5,957,599
Oklahoma Municipal Power Auth/Dec 31						
Firm Power	95,641	4,459,277	208,626	5,495,735	882,233	26,715,547
Nonfirm Power	—	—	—	48,130	-17,019	-451,353
Total Power	95,641	4,459,277	208,626	5,543,865	865,214	26,264,194
Oregon						
Central Lincoln Peoples Util Dt/Dec 31						
Firm Power	—	—	23,803	25,507	1,385,449	37,528,516
Nonfirm Power	68	2,195	—	—	68	2,195
Total Power	68	2,195	23,803	25,507	1,385,517	37,530,711
Clatskanie Peoples Util Dist/Dec 31						
Firm Power	—	—	—	—	884,006	23,246,103
Total Power	—	—	—	—	884,006	23,246,103
Columbia River Peoples Ut Dist/Dec 31						
Firm Power	—	—	—	—	285,193	7,294,901
Nonfirm Power	—	—	—	44	—	44
Total Power	—	—	—	44	285,193	7,294,945
Emerald People 's Utility Dist/Dec 31						
Firm Power	—	—	—	—	388,295	10,545,022
Nonfirm Power	—	—	30	1,220	121	3,434
Total Power	—	—	30	1,220	388,416	10,548,456
Northern Wasco County P U D/Dec 31						
Firm Power	—	—	—	—	257,672	7,384,243
Total Power	—	—	—	—	257,672	7,384,243
Tillamook Peoples Utility Dist/Dec 31						
Firm Power	—	—	11,659	17,412	383,648	10,208,769
Nonfirm Power	—	—	—	43,278	—	43,278
Total Power	—	—	11,659	60,690	383,648	10,252,047
South Carolina						
South Carolina Pub Serv Auth/Dec 31						
Firm Power	—	—	117,613	-1,057,117	538,101	16,714,273
Nonfirm Power	6,573	108,748	103,026	10,943,218	129,409	11,556,442
Other Power	—	—	-117,613	—	-117,613	—
Total Power	6,573	108,748	103,026	9,886,101	549,897	28,270,715
South Dakota						
Heartland Consumers Power Dist/Dec 31						
Firm Power	—	—	69,009	1,041,013	69,047	1,433,269
Nonfirm Power	8	-84,697	29,452	491,646	31,103	436,183
Total Power	8	-84,697	98,461	1,532,659	100,150	1,869,452
Missouri Basin Mun Power Agny/Dec 31						
Firm Power	—	—	—	314,400	1,877,204	43,107,378
Nonfirm Power	7,445	124,254	21,142	326,794	87,898	1,415,558
Total Power	7,445	124,254	21,142	641,194	1,965,102	44,522,936
Texas						
Lower Colorado River Authority/Jun 30						
Nonfirm Power	6,158	120,210	91	1,229	64,250	1,814,269
Total Power	6,158	120,210	91	1,229	64,250	1,814,269
Sam Rayburn Mun Pwr Agny/Sep 30						
Nonfirm Power	66,965	3,868,630	—	—	66,965	3,868,630
Total Power	66,965	3,868,630	—	—	66,965	3,868,630
Utah						
Utah Associated Mun Power Sys/Mar 31						
Firm Power	—	—	21,370	924,586	363,025	9,617,654
Nonfirm Power	94,354	1,926,199	109,681	2,178,645	216,168	4,398,802
Total Power	94,354	1,926,199	131,051	3,103,231	579,193	14,016,456
Utah Municipal Power Agency/Jun 30						
Firm Power	—	—	—	—	366,934	6,852,441
Nonfirm Power	8,459	175,691	1,551	25,908	30,045	569,471
Total Power	8,459	175,691	1,551	25,908	396,979	7,421,912

See notes and footnotes at end of table.

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		Municipal	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Vermont						
Vermont Public Pwr Supply Auth/Dec 31						
Firm Power	20,710	698,580	—	—	142	26,187
Nonfirm Power	115	5,112	—	—	—	—
Total Power	20,825	703,692	—	—	142	26,187
Virginia						
Virginia Tech Electric Service/June 30						
Firm Power	215,474	7,674,983	—	—	—	—
Total Power	215,474	7,674,983	—	—	—	—
Washington						
PUD No 1 of Benton County/Dec 31						
Firm Power	—	—	1,431,178	38,965,566	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	1,431,178	38,965,566	—	—
PUD No 1 of Chelan County/Dec 31						
Firm Power	57,579	1,213,948	—	—	—	—
Nonfirm Power	161,015	956,742	26,817	596,793	—	—
Total Power	218,594	2,170,690	26,817	596,793	—	—
PUD No 1 of Clallam County/Dec 31						
Firm Power	—	—	500,207	13,926,161	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	500,207	13,926,161	—	—
PUD No 1 of Clark County/Dec 31						
Firm Power	—	—	3,476,223	97,714,040	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	3,476,223	97,714,040	—	—
PUD No 1 of Cowlitz County/Dec 31						
Firm Power	—	—	4,321,701	112,411,714	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	4,321,701	112,411,714	—	—
PUD No 1 of Douglas County/Dec 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
PUD No 1 of Franklin County/Dec 31						
Firm Power	—	—	651,370	17,115,840	—	—
Nonfirm Power	—	—	—	—	—	—
Other Power	—	—	—	—	—	—
Total Power	—	—	651,370	17,115,840	—	—
PUD No 1 of Grays Harbor Cnty/Dec 31						
Firm Power	—	—	1,042,222	29,325,787	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	1,042,222	29,325,787	—	—
PUD No 1 of Klickitat County/Dec 31						
Firm Power	—	—	298,687	7,617,667	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	298,687	7,617,667	—	—
PUD No 1 of Lewis County/Dec 31						
Firm Power	—	—	707,575	17,848,727	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	707,575	17,848,727	—	—
PUD No 1 of Okanogan County/Dec 31						
Firm Power	—	—	355,460	9,577,193	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	355,460	9,577,193	—	—
PUD No 1 of Pend Oreille Cnty/Dec 31						
Firm Power	75,166	2,856,399	284,456	7,831,206	—	—
Nonfirm Power	15,298	300,175	—	—	257,435	1,027,075
Total Power	90,464	3,156,574	284,456	7,831,206	257,435	1,027,075
PUD No 1 of Snohomish County/Dec 31						
Nonfirm Power	84,814	1,750,835	4,948,698	134,464,734	—	—
Other Power	—	—	—	—	—	—
Total Power	84,814	1,750,835	4,948,698	134,464,734	—	—
PUD No 1 of Whatcom County/Dec 31						
Firm Power	—	—	171,659	4,463,403	—	—
Total Power	—	—	171,659	4,463,403	—	—
PUD No 2 of Grant County/Dec 31						
Firm Power	—	—	513,171	12,083,253	—	—
Nonfirm Power	—	29,456	465	75,102	—	—
Total Power	—	29,456	513,636	12,158,355	—	—

See notes and footnotes at end of table.

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Vermont						
Vermont Public Pwr Supply Auth/Dec 31						
Firm Power	—	—	78,685	2,260,116	99,537	2,984,883
Nonfirm Power	—	—	2,761	59,789	2,876	64,901
Total Power	—	—	81,446	2,319,905	102,413	3,049,784
Virginia						
Virginia Tech Electric Service/June 30						
Firm Power	—	—	—	—	215,474	7,674,983
Total Power	—	—	—	—	215,474	7,674,983
Washington						
PUD No 1 of Benton County/Dec 31						
Firm Power	—	—	—	—	1,431,178	38,965,566
Nonfirm Power	—	—	19,492	28,248	19,492	28,248
Total Power	—	—	19,492	28,248	1,450,670	38,993,814
PUD No 1 of Chelan County/Dec 31						
Firm Power	—	—	—	—	57,579	1,213,948
Nonfirm Power	—	—	23,956	25,321	211,788	1,578,856
Total Power	—	—	23,956	25,321	269,367	2,792,804
PUD No 1 of Clallam County/Dec 31						
Firm Power	—	—	—	—	500,207	13,926,161
Nonfirm Power	—	—	284	3,971	284	3,971
Total Power	—	—	284	3,971	500,491	13,930,132
PUD No 1 of Clark County/Dec 31						
Firm Power	—	—	—	—	3,476,223	97,714,040
Nonfirm Power	—	—	168,978	5,563,306	168,978	5,563,306
Total Power	—	—	168,978	5,563,306	3,645,201	103,277,346
PUD No 1 of Cowlitz County/Dec 31						
Firm Power	—	—	—	—	4,321,701	112,411,714
Nonfirm Power	—	—	259,093	1,631,694	259,093	1,631,694
Total Power	—	—	259,093	1,631,694	4,580,794	114,043,408
PUD No 1 of Douglas County/Dec 31						
Nonfirm Power	—	—	148,011	1,058,580	148,011	1,058,580
Total Power	—	—	148,011	1,058,580	148,011	1,058,580
PUD No 1 of Franklin County/Dec 31						
Firm Power	—	—	—	—	651,370	17,115,840
Nonfirm Power	—	—	—	564,842	—	564,842
Other Power	—	—	19,047	—	19,047	—
Total Power	—	—	19,047	564,842	670,417	17,680,682
PUD No 1 of Grays Harbor Cnty/Dec 31						
Firm Power	—	—	—	—	1,042,222	29,325,787
Nonfirm Power	—	—	35,845	-273,107	35,845	-273,107
Total Power	—	—	35,845	-273,107	1,078,067	29,052,680
PUD No 1 of Klickitat County/Dec 31						
Firm Power	—	—	—	—	298,687	7,617,667
Nonfirm Power	—	—	288	4,987	288	4,987
Total Power	—	—	288	4,987	298,975	7,622,654
PUD No 1 of Lewis County/Dec 31						
Firm Power	—	—	1,460	856,659	709,035	18,705,386
Nonfirm Power	—	—	1,736	55,728	1,736	55,728
Total Power	—	—	3,196	912,387	710,771	18,761,114
PUD No 1 of Okanogan County/Dec 31						
Firm Power	—	—	—	—	355,460	9,577,193
Nonfirm Power	—	—	252,227	1,044,043	252,227	1,044,043
Total Power	—	—	252,227	1,044,043	607,687	10,621,236
PUD No 1 of Pend Oreille Cnty/Dec 31						
Firm Power	—	—	—	—	359,622	10,687,605
Nonfirm Power	—	—	4,754	177,909	277,487	1,505,159
Total Power	—	—	4,754	177,909	637,109	12,192,764
PUD No 1 of Snohomish County/Dec 31						
Nonfirm Power	—	—	5,142	109,164	5,038,654	136,324,733
Other Power	—	—	20	—	20	—
Total Power	—	—	5,162	109,164	5,038,674	136,324,733
PUD No 1 of Whatcom County/Dec 31						
Firm Power	—	—	—	—	171,659	4,463,403
Total Power	—	—	—	—	171,659	4,463,403
PUD No 2 of Grant County/Dec 31						
Firm Power	—	—	—	—	513,171	12,083,253
Nonfirm Power	1,905	79,817	10,620	-2,522	12,990	181,853
Total Power	1,905	79,817	10,620	-2,522	526,161	12,265,106

See notes and footnotes at end of table.

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		Municipal	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Washington						
PUD No 2 of Pacific County/Dec 31						
Firm Power.....	—	—	276,891	8,141,148	—	—
Total Power.....	—	—	276,891	8,141,148	—	—
PUD No 3 of Mason County/Dec 31						
Firm Power.....	—	—	528,602	15,431,732	—	—
Total Power.....	—	—	528,602	15,431,732	—	—
Vera Irrigation District #15/Dec 31						
Firm Power.....	—	—	180,948	5,084,073	—	—
Total Power.....	—	—	180,948	5,084,073	—	—
Wyoming						
Wyoming Municipal Pwr Agcy/Dec 31						
Firm Power.....	—	—	56,787	1,484,657	—	—
Total Power.....	—	—	56,787	1,484,657	—	—

See notes and footnotes at end of table.

Table 27. Electricity Purchases by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Washington						
PUD No 2 of Pacific County/Dec 31						
Firm Power.....	—	—	—	—	276,891	8,141,148
Total Power.....	—	—	—	—	276,891	8,141,148
PUD No 3 of Mason County/Dec 31						
Firm Power.....	—	—	—	—	528,602	15,431,732
Total Power.....	—	—	—	—	528,602	15,431,732
Vera Irrigation District #15/Dec 31						
Firm Power.....	—	—	—	—	180,948	5,084,073
Total Power.....	—	—	—	—	180,948	5,084,073
Wyoming						
Wyoming Municipal Pwr Agcy/Dec 31						
Firm Power.....	—	—	—	—	56,787	1,484,657
Total Power.....	—	—	—	—	56,787	1,484,657

¹ Includes transactions with State and other government utilities, power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •For identification purposes, the public utilities are listed in the State in which the administrative office is located. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities," except where footnoted.

Table 28. Electricity Sales for Resale by State and Other Government Utilities, Fiscal Year 1994

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		Municipal	
	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)
Alaska						
Alaska Energy Authority/June 30						
Nonfirm Power	—	—	—	—	228,883	8,894,738
Total Power	—	—	—	—	228,883	8,894,738
Arizona						
Arizona Power Authority/June 30						
Firm Power	—	—	—	—	6,010	228,606
Total Power	—	—	—	—	6,010	228,606
Salt River Proj Ag I & P Dist/Apr 30						
Firm Power	1,141,094	47,739,360	1,937	600,782	46,052	3,194,840
Nonfirm Power	1,394,518	27,578,937	267,554	7,044,500	488,166	9,436,038
Total Power	2,535,612	75,318,297	269,491	7,645,282	534,218	12,630,878
California						
California Dept-Wtr Resources/Dec 31						
Firm Power	233,997	6,861,917	—	—	69,470	5,056,507
Nonfirm Power	237,192	5,181,178	89,930	2,000,600	281,975	6,612,482
Total Power	471,189	12,043,095	89,930	2,000,600	351,445	11,668,989
Imperial Irrigation District/Dec 31						
Nonfirm Power	662,520	16,577,802	—	—	5,460	208,120
Total Power	662,520	16,577,802	—	—	5,460	208,120
Kings River Conservation Dist/Dec 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Merced Irrigation District/Dec 31						
Nonfirm Power	256,092	3,541,954	—	—	1,306	123,415
Total Power	256,092	3,541,954	—	—	1,306	123,415
Modesto Irrigation District/Dec 31						
Firm Power	5,759	131,839	—	—	—	—
Nonfirm Power	23,115	374,957	—	—	26,858	684,024
Total Power	28,874	506,796	—	—	26,858	684,024
MSR Public Power Agency/Dec 31						
Firm Power	770,052	41,623,965	—	—	62,350	3,172,345
Nonfirm Power	221,504	4,512,662	—	—	—	—
Total Power	991,556	46,136,627	—	—	62,350	3,172,345
Northern California Power Agny/June 30						
Nonfirm Power	13,597	249,000	13,623	332,000	2,251,801	171,477,000
Total Power	13,597	249,000	13,623	332,000	2,251,801	171,477,000
Oakdale & South San Joaquin/Dec 31						
Firm Power	310,326	5,865,129	—	—	—	—
Total Power	310,326	5,865,129	—	—	—	—
Oroville-Wyandotte Irrig Dist/Dec 31						
Nonfirm Power	285,927	7,832,000	—	—	—	—
Total Power	285,927	7,832,000	—	—	—	—
Placer County Water Agency/Dec 31						
Nonfirm Power	451,680	8,632,583	—	—	—	—
Total Power	451,680	8,632,583	—	—	—	—
Sacramento Municipal Util Dist/Dec 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Southern California P P A/June 30						
Nonfirm Power	472,510	5,841,279	—	—	1,855,349	94,070,150
Total Power	472,510	5,841,279	—	—	1,855,349	94,070,150
Yuba County Water Agency/June 30						
Nonfirm Power	1,080,934	11,835,474	—	—	—	—
Total Power	1,080,934	11,835,474	—	—	—	—
Colorado						
Arkansas River Power Authority/Dec 31						
Firm Power	—	—	—	—	102,366	3,767,908
Nonfirm Power	—	—	—	—	179,673	6,356,584
Total Power	—	—	—	—	282,039	10,124,492
Platte River Power Authority/Dec 31						
Firm Power	1,017,195	60,892,637	—	—	1,934,644	66,293,420
Nonfirm Power	96,214	1,607,522	12,156	227,687	3,502	53,919
Total Power	1,113,409	62,500,159	12,156	227,687	1,938,146	66,347,339
Georgia						
Municipal Electric Authority/Dec 31						
Firm Power	1,870,369	128,521,000	—	—	—	—

See notes and footnotes at end of table.

Table 28. Electricity Sales for Resale by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)
Alaska						
Alaska Energy Authority/June 30						
Nonfirm Power	483,050	17,885,130	—	—	711,933	26,779,868
Total Power	483,050	17,885,130	—	—	711,933	26,779,868
Arizona						
Arizona Power Authority/June 30						
Firm Power	—	—	753,387	19,165,349	759,397	19,393,955
Total Power	—	—	753,387	19,165,349	759,397	19,393,955
Salt River Proj Ag I & P Dist/Apr 30						
Firm Power	—	—	—	234,043	1,189,083	51,769,025
Nonfirm Power	63,588	1,606,139	259,570	5,263,364	2,473,396	50,928,978
Total Power	63,588	1,606,139	259,570	5,497,407	3,662,479	102,698,003
California						
California Dept-Wtr Resources/Dec 31						
Firm Power	—	—	298,220	9,173,127	601,687	21,091,551
Nonfirm Power	—	—	1,045,789	23,536,332	1,654,886	37,330,592
Total Power	—	—	1,344,009	32,709,459	2,256,573	58,422,143
Imperial Irrigation District/Dec 31						
Nonfirm Power	—	—	226,318	5,311,000	894,298	22,096,922
Total Power	—	—	226,318	5,311,000	894,298	22,096,922
Kings River Conservation Dist/Dec 31						
Nonfirm Power	—	—	446,576	11,956,724	446,576	11,956,724
Total Power	—	—	446,576	11,956,724	446,576	11,956,724
Merced Irrigation District/Dec 31						
Nonfirm Power	—	—	—	—	257,398	3,665,369
Total Power	—	—	—	—	257,398	3,665,369
Modesto Irrigation District/Dec 31						
Firm Power	—	—	—	—	5,759	131,839
Nonfirm Power	—	—	—	—	49,973	1,058,981
Total Power	—	—	—	—	55,732	1,190,820
MSR Public Power Agency/Dec 31						
Firm Power	—	—	357,660	18,126,380	1,190,062	62,922,690
Nonfirm Power	—	—	—	—	221,504	4,512,662
Total Power	—	—	357,660	18,126,380	1,411,566	67,435,352
Northern California Power Agny/June 30						
Nonfirm Power	37,219	1,713,000	7,855	158,000	2,324,095	173,929,000
Total Power	37,219	1,713,000	7,855	158,000	2,324,095	173,929,000
Oakdale & South San Joaquin/Dec 31						
Firm Power	—	—	—	—	310,326	5,865,129
Total Power	—	—	—	—	310,326	5,865,129
Oroville-Wyandotte Irrig Dist/Dec 31						
Nonfirm Power	—	—	—	—	285,927	7,832,000
Total Power	—	—	—	—	285,927	7,832,000
Placer County Water Agency/Dec 31						
Nonfirm Power	—	—	—	—	451,680	8,632,583
Total Power	—	—	—	—	451,680	8,632,583
Sacramento Municipal Util Dist/Dec 31						
Nonfirm Power	—	—	750	29,550	750	29,550
Total Power	—	—	750	29,550	750	29,550
Southern California P P A/June 30						
Nonfirm Power	—	—	877,273	26,771,912	3,205,132	126,683,341
Total Power	—	—	877,273	26,771,912	3,205,132	126,683,341
Yuba County Water Agency/June 30						
Nonfirm Power	—	—	—	—	1,080,934	11,835,474
Total Power	—	—	—	—	1,080,934	11,835,474
Colorado						
Arkansas River Power Authority/Dec 31						
Firm Power	—	—	—	—	102,366	3,767,908
Nonfirm Power	—	—	—	—	179,673	6,356,584
Total Power	—	—	—	—	282,039	10,124,492
Platte River Power Authority/Dec 31						
Firm Power	—	—	—	—	2,951,839	127,186,057
Nonfirm Power	279,102	3,912,254	211,835	3,911,540	602,809	9,712,922
Total Power	279,102	3,912,254	211,835	3,911,540	3,554,648	136,898,979
Georgia						
Municipal Electric Authority/Dec 31						
Firm Power	—	—	7,486,161	347,719,000	9,356,530	476,240,000

See notes and footnotes at end of table.

Table 28. Electricity Sales for Resale by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		Municipal	
	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)
Georgia						
Municipal Electric Authority/Dec 31						
Nonfirm Power	262,572	4,100,000	174,407	2,357,000	64,006	1,165,000
Total Power	2,132,941	132,621,000	174,407	2,357,000	64,006	1,165,000
Indiana						
Indiana Municipal Power Agency/Dec 31						
Firm Power	—	—	—	—	3,717,977	151,499,356
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	3,717,977	151,499,356
Kansas						
Kansas Municipal Energy Agency/Dec 31						
Firm Power	32,580	491,000	—	—	231,660	8,247,000
Total Power	32,580	491,000	—	—	231,660	8,247,000
Louisiana						
Louisiana Energy & Power Auth/Dec 31						
Firm Power	—	—	—	—	1,288,667	53,449,531
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	1,288,667	53,449,531
Massachusetts						
Mun Wholes Elec Co/Dec 31						
Firm Power	48,408	3,382,209	—	—	2,719,172	234,225,686
Nonfirm Power	21,595	481,846	—	—	—	—
Total Power	70,003	3,864,055	—	—	2,719,172	234,225,686
Michigan						
Michigan Public Power Agency/Dec 31						
Firm Power	—	—	—	—	2,192,213	81,483,517
Nonfirm Power	45,014	962,538	—	—	39,176	937,462
Total Power	45,014	962,538	—	—	2,231,389	82,420,979
Michigan South Central Pwr Agcy/Jun 30						
Firm Power	—	—	—	—	444,154	21,591,038
Total Power	—	—	—	—	444,154	21,591,038
Minnesota						
Northern Municipal Power Agny/Dec 31						
Firm Power	—	—	—	—	407,465	12,533,065
Nonfirm Power	—	—	—	—	236,445	3,254,001
Total Power	—	—	—	—	643,910	15,787,066
Southern Minnesota Mun P Agny/Dec 31						
Firm Power	29,997	442,218	—	—	2,118,702	118,800,066
Nonfirm Power	165,624	2,419,656	23,607	291,830	10,563	151,079
Total Power	195,621	2,861,874	23,607	291,830	2,129,265	118,951,145
Nebraska						
Central Nebraska Pub P&I Dist/Dec 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Cornhusker Public Power Dist/Dec 31						
Nonfirm Power	—	—	—	—	2,448	36,673
Total Power	—	—	—	—	2,448	36,673
Dawson County Public Pwr Dist/Dec 31						
Firm Power	—	—	—	—	5,274	231,707
Total Power	—	—	—	—	5,274	231,707
Loup River Public Power Dist/Dec 31						
Firm Power	—	—	—	—	83,440	2,916,188
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	83,440	2,916,188
Municipal Energy Agency of NE/Mar 31						
Firm Power	—	—	102,729	2,158,025	760,437	24,385,529
Nonfirm Power	—	—	—	—	131,377	2,254,317
Total Power	—	—	102,729	2,158,025	891,814	26,639,846
Nebraska Public Power District/Dec 31						
Firm Power	608,261	18,556,154	—	—	2,699,529	92,153,652
Nonfirm Power	1,255,618	85,201,656	104,045	1,575,149	107,602	1,893,057
Total Power	1,863,879	103,757,810	104,045	1,575,149	2,807,131	94,046,709
Norris Public Power District/Dec 31						
Firm Power	—	—	—	—	13,825	502,610
Nonfirm Power	—	—	—	—	1,037	24,888
Total Power	—	—	—	—	14,862	527,498

See notes and footnotes at end of table.

Table 28. Electricity Sales for Resale by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)
Georgia						
Municipal Electric Authority/Dec 31						
Nonfirm Power	—	—	31,948	531,000	532,933	8,153,000
Total Power	—	—	7,518,109	348,250,000	9,889,463	484,393,000
Indiana						
Indiana Municipal Power Agency/Dec 31						
Firm Power	—	—	168,876	7,185,834	3,886,853	158,685,190
Nonfirm Power	—	—	2,689	185,475	2,689	185,475
Total Power	—	—	171,565	7,371,309	3,889,542	158,870,665
Kansas						
Kansas Municipal Energy Agency/Dec 31						
Firm Power	—	—	—	—	264,240	8,738,000
Total Power	—	—	—	—	264,240	8,738,000
Louisiana						
Louisiana Energy & Power Auth/Dec 31						
Firm Power	—	—	242,387	10,115,793	1,531,054	63,565,324
Nonfirm Power	—	—	1,872	75,738	1,872	75,738
Total Power	—	—	244,259	10,191,531	1,532,926	63,641,062
Massachusetts						
Mun Wholes Elec Co/Dec 31						
Firm Power	—	—	56,266	6,582,545	2,823,846	244,190,440
Nonfirm Power	—	—	—	-13,086,840	21,595	-12,604,994
Total Power	—	—	56,266	-6,504,295	2,845,441	231,585,446
Michigan						
Michigan Public Power Agency/Dec 31						
Firm Power	156,425	8,612,680	—	—	2,348,638	90,096,197
Nonfirm Power	—	—	23,216	522,726	107,406	2,422,726
Total Power	156,425	8,612,680	23,216	522,726	2,456,044	92,518,923
Michigan South Central Pwr Agy/Jun 30						
Firm Power	—	—	—	—	444,154	21,591,038
Total Power	—	—	—	—	444,154	21,591,038
Minnesota						
Northern Municipal Power Agny/Dec 31						
Firm Power	—	—	14,713	557,391	422,178	13,090,456
Nonfirm Power	54,883	21,485,534	48,582	706,002	339,910	25,445,537
Total Power	54,883	21,485,534	63,295	1,263,393	762,088	38,535,993
Southern Minnesota Mun P Agny/Dec 31						
Firm Power	1,157	19,130	2,818	45,767	2,152,674	119,307,181
Nonfirm Power	176,880	2,655,248	34,280	562,451	410,954	6,080,264
Total Power	178,037	2,674,378	37,098	608,218	2,563,628	125,387,445
Nebraska						
Central Nebraska Pub P&I Dist/Dec 31						
Nonfirm Power	—	—	386,189	10,295,999	386,189	10,295,999
Total Power	—	—	386,189	10,295,999	386,189	10,295,999
Cornhusker Public Power Dist/Dec 31						
Nonfirm Power	—	—	—	—	2,448	36,673
Total Power	—	—	—	—	2,448	36,673
Dawson County Public Pwr Dist/Dec 31						
Firm Power	—	—	—	—	5,274	231,707
Total Power	—	—	—	—	5,274	231,707
Loup River Public Power Dist/Dec 31						
Firm Power	200,085	6,331,320	—	—	283,525	9,247,508
Nonfirm Power	—	—	128,205	4,137,360	128,205	4,137,360
Total Power	200,085	6,331,320	128,205	4,137,360	411,730	13,384,868
Municipal Energy Agency of NE/Mar 31						
Firm Power	—	—	—	—	863,166	26,543,554
Nonfirm Power	3,668	63,963	727	19,864	135,772	2,338,144
Total Power	3,668	63,963	727	19,864	998,938	28,881,698
Nebraska Public Power District/Dec 31						
Firm Power	91,716	3,110,691	3,724,816	118,800,637	7,124,322	232,621,134
Nonfirm Power	625,161	9,059,983	28,750	486,473	2,121,176	98,216,318
Total Power	716,877	12,170,674	3,753,566	119,287,110	9,245,498	330,837,452
Norris Public Power District/Dec 31						
Firm Power	—	—	—	—	13,825	502,610
Nonfirm Power	—	—	—	—	1,037	24,888
Total Power	—	—	—	—	14,862	527,498

See notes and footnotes at end of table.

Table 28. Electricity Sales for Resale by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		Municipal	
	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)
Nebraska						
Omaha Public Power District/Dec 31						
Firm Power	—	—	—	—	63,361	2,729,087
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	63,361	2,729,087
Nevada						
Colorado River Comm of Nevada/Jun 30						
Firm Power	566,856	10,878,933	—	—	60,006	821,239
Total Power	566,856	10,878,933	—	—	60,006	821,239
New York						
Power Authority of State of NY/Dec 31						
Firm Power	14,149,947	300,516,129	—	—	5,043,448	86,069,128
Nonfirm Power	3,320,149	63,915,536	—	—	163,991	1,032,471
Total Power	17,470,096	364,431,665	—	—	5,207,439	87,101,599
Oklahoma						
Grand River Dam Authority/Dec 31						
Firm Power	—	—	—	—	2,444,900	68,653,841
Nonfirm Power	203,187	3,538,863	—	—	1,943	34,478
Total Power	203,187	3,538,863	—	—	2,446,843	68,688,319
Oklahoma Municipal Power Auth/Dec 31						
Firm Power	—	—	—	—	1,580,084	71,274,172
Total Power	—	—	—	—	1,580,084	71,274,172
Oregon						
Emerald People 's Utility Dist/Dec 31						
Nonfirm Power	117	2,722	—	—	—	—
Total Power	117	2,722	—	—	—	—
Northern Wasco County P U D/Dec 31						
Nonfirm Power	38,780	1,709,434	—	—	—	—
Total Power	38,780	1,709,434	—	—	—	—
South Carolina						
South Carolina Pub Serv Auth/Dec 31						
Firm Power	20,803	899,359	—	—	255,527	18,691,151
Nonfirm Power	85,438	3,841,098	2,711	58,476	—	—
Total Power	106,241	4,740,457	2,711	58,476	255,527	18,691,151
South Dakota						
Heartland Consumers Power Dist/Dec 31						
Firm Power	76	102,265	—	—	299,667	9,630,739
Nonfirm Power	—	—	—	—	—	—
Total Power	76	102,265	—	—	299,667	9,630,739
Missouri Basin Mun Power Agny/Dec 31						
Firm Power	—	—	—	—	1,051,197	46,176,420
Nonfirm Power	578,602	8,230,397	43,354	585,360	33,102	448,200
Total Power	578,602	8,230,397	43,354	585,360	1,084,299	46,624,620
Texas						
Lower Colorado River Authority/Jun 30						
Firm Power	—	—	—	—	3,302,045	132,749,158
Nonfirm Power	797,784	23,104,812	—	—	73,329	1,824,721
Total Power	797,784	23,104,812	—	—	3,375,374	134,573,879
Sam Rayburn Mun Pwr Agny/Sep 30						
Firm Power	—	—	—	—	342,098	23,786,696
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	342,098	23,786,696
Toledo Bend Project Joint Oper/Aug 31						
Firm Power	107,690	2,153,800	—	—	—	—
Total Power	107,690	2,153,800	—	—	—	—
Utah						
Utah Associated Mun Power Sys/Mar 31						
Nonfirm Power	7,066	111,523	619	9,080	993,339	37,172,508
Total Power	7,066	111,523	619	9,080	993,339	37,172,508
Utah Municipal Power Agency/Jun 30						
Firm Power	—	—	—	—	717,999	28,687,565
Nonfirm Power	32,947	672,920	13,338	246,110	65,794	1,277,979
Total Power	32,947	672,920	13,338	246,110	783,793	29,965,544
Vermont						
Vermont Public Pwr Supply Auth/Dec 31						
Firm Power	3,114	88,470	—	—	103,715	6,309,967
Total Power	3,114	88,470	—	—	103,715	6,309,967

See notes and footnotes at end of table.

Table 28. Electricity Sales for Resale by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)
Nebraska						
Omaha Public Power District/Dec 31						
Firm Power	—	—	—	—	63,361	2,729,087
Nonfirm Power	—	—	114,128	1,482,126	114,128	1,482,126
Total Power	—	—	114,128	1,482,126	177,489	4,211,213
Nevada						
Colorado River Comm of Nevada/Jun 30						
Firm Power	152,010	2,754,516	186,280	2,938,389	965,152	17,393,077
Total Power	152,010	2,754,516	186,280	2,938,389	965,152	17,393,077
New York						
Power Authority of State of NY/Dec 31						
Firm Power	550,056	7,833,713	791,852	13,685,686	20,535,303	408,104,656
Nonfirm Power	87,372	440,158	1,222,539	37,562,531	4,794,051	102,950,696
Total Power	637,428	8,273,871	2,014,391	51,248,217	25,329,354	511,055,352
Oklahoma						
Grand River Dam Authority/Dec 31						
Firm Power	1,827,409	64,466,813	40,461	863,987	4,312,770	133,984,641
Nonfirm Power	71,908	1,168,316	210,026	5,495,736	487,064	10,237,393
Total Power	1,899,317	65,635,129	250,487	6,359,723	4,799,834	144,222,034
Oklahoma Municipal Power Auth/Dec 31						
Firm Power	—	—	—	—	1,580,084	71,274,172
Total Power	—	—	—	—	1,580,084	71,274,172
Oregon						
Emerald People 's Utility Dist/Dec 31						
Nonfirm Power	—	—	—	—	117	2,722
Total Power	—	—	—	—	117	2,722
Northern Wasco County P U D/Dec 31						
Nonfirm Power	—	—	—	—	38,780	1,709,434
Total Power	—	—	—	—	38,780	1,709,434
South Carolina						
South Carolina Pub Serv Auth/Dec 31						
Firm Power	6,903,249	277,920,305	10,335	468,922	7,189,914	297,979,737
Nonfirm Power	18,782	364,866	4,213	94,860	111,144	4,359,300
Total Power	6,922,031	278,285,171	14,548	563,782	7,301,058	302,339,037
South Dakota						
Heartland Consumers Power Dist/Dec 31						
Firm Power	—	—	—	—	299,743	9,733,004
Nonfirm Power	—	—	133,915	1,705,209	133,915	1,705,209
Total Power	—	—	133,915	1,705,209	433,658	11,438,213
Missouri Basin Mun Power Agny/Dec 31						
Firm Power	—	—	—	-121,939	1,051,197	46,054,481
Nonfirm Power	14,136	186,117	177,738	2,517,447	846,932	11,967,521
Total Power	14,136	186,117	177,738	2,395,508	1,898,129	58,022,002
Texas						
Lower Colorado River Authority/Jun 30						
Firm Power	5,084,967	209,863,509	—	—	8,387,012	342,612,667
Nonfirm Power	159,970	5,350,960	26,570	648,244	1,057,653	30,928,737
Total Power	5,244,937	215,214,469	26,570	648,244	9,444,665	373,541,404
Sam Rayburn Mun Pwr Agny/Sep 30						
Firm Power	—	—	—	—	342,098	23,786,696
Nonfirm Power	—	—	282,177	4,540,978	282,177	4,540,978
Total Power	—	—	282,177	4,540,978	624,275	28,327,674
Toledo Bend Project Joint Oper/Aug 31						
Firm Power	—	—	107,690	2,153,800	215,380	4,307,600
Total Power	—	—	107,690	2,153,800	215,380	4,307,600
Utah						
Utah Associated Mun Power Sys/Mar 31						
Nonfirm Power	110	2,243	19,555	633,918	1,020,689	37,929,272
Total Power	110	2,243	19,555	633,918	1,020,689	37,929,272
Utah Municipal Power Agency/Jun 30						
Firm Power	—	—	—	—	717,999	28,687,565
Nonfirm Power	1,562	27,413	1,532	31,368	115,173	2,255,790
Total Power	1,562	27,413	1,532	31,368	833,172	30,943,355
Vermont						
Vermont Public Pwr Supply Auth/Dec 31						
Firm Power	12,842	689,364	—	—	119,671	7,087,801
Total Power	12,842	689,364	—	—	119,671	7,087,801

See notes and footnotes at end of table.

Table 28. Electricity Sales for Resale by State and Other Government Utilities, Fiscal Year 1994
(Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		Municipal	
	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)
Washington						
PUD No 1 of Chelan County/Dec 31						
Firm Power	181,564	3,211,487	985	17,780	—	—
Nonfirm Power	5,650,540	68,507,846	—	—	55,368	606,959
Total Power	5,832,104	71,719,333	985	17,780	55,368	606,959
PUD No 1 of Cowlitz County/Dec 31						
Nonfirm Power	16,943	269,414	—	—	—	—
Total Power	16,943	269,414	—	—	—	—
PUD No 1 of Douglas County/Dec 31						
Nonfirm Power	2,524,156	19,929,851	—	—	17,405	231,847
Total Power	2,524,156	19,929,851	—	—	17,405	231,847
PUD No 1 of Grays Harbor Cnty/Dec 31						
Nonfirm Power	400,135	9,296,665	—	—	—	—
Total Power	400,135	9,296,665	—	—	—	—
PUD No 1 of Pend Oreille Cnty/Dec 31						
Nonfirm Power	9,094	137,716	—	—	134,966	1,246,252
Total Power	9,094	137,716	—	—	134,966	1,246,252
PUD No 1 of Snohomish County/Dec 31						
Nonfirm Power	86,498	2,208,789	—	—	2,765	95,848
Total Power	86,498	2,208,789	—	—	2,765	95,848
PUD No 2 of Grant County/Dec 31						
Nonfirm Power	4,420,154	36,862,208	12,938	259,646	981,319	6,404,062
Total Power	4,420,154	36,862,208	12,938	259,646	981,319	6,404,062
PUD No 3 of Mason County/Dec 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Washington Pub Pwr Supply Sys/Jun 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	7,288,751	356,183,000	—	—
Other Power	—	—	55,115	—	—	—
Total Power	—	—	7,343,866	356,183,000	—	—
Wyoming						
Wyoming Municipal Pwr Agcy/Dec 31						
Firm Power	—	—	—	—	191,155	5,292,060
Nonfirm Power	—	—	—	—	1,608	57,888
Total Power	—	—	—	—	192,763	5,349,948

See notes and footnotes at end of table.

**Table 28. Electricity Sales for Resale by State and Other Government Utilities, Fiscal Year 1994
(Continued)**

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)	Sales for Resale (thousand kWh)	Revenue (dollars)
Washington						
PUD No 1 of Chelan County/Dec 31						
Firm Power	—	—	169,440	2,199,501	351,989	5,428,768
Nonfirm Power	—	—	1,465,238	12,153,279	7,171,146	81,268,084
Total Power	—	—	1,634,678	14,352,780	7,523,135	86,696,852
PUD No 1 of Cowlitz County/Dec 31						
Nonfirm Power	—	—	1,779	57,256	18,722	326,670
Total Power	—	—	1,779	57,256	18,722	326,670
PUD No 1 of Douglas County/Dec 31						
Nonfirm Power	—	—	272,054	2,038,312	2,813,615	22,200,010
Total Power	—	—	272,054	2,038,312	2,813,615	22,200,010
PUD No 1 of Grays Harbor Cnty/Dec 31						
Nonfirm Power	—	—	—	—	400,135	9,296,665
Total Power	—	—	—	—	400,135	9,296,665
PUD No 1 of Pend Oreille Cnty/Dec 31						
Nonfirm Power	—	—	—	—	144,060	1,383,968
Total Power	—	—	—	—	144,060	1,383,968
PUD No 1 of Snohomish County/Dec 31						
Nonfirm Power	—	—	—	—	89,263	2,304,637
Total Power	—	—	—	—	89,263	2,304,637
PUD No 2 of Grant County/Dec 31						
Nonfirm Power	—	—	204,632	1,399,682	5,619,043	44,925,598
Total Power	—	—	204,632	1,399,682	5,619,043	44,925,598
PUD No 3 of Mason County/Dec 31						
Nonfirm Power	—	—	3,208	109,587	3,208	109,587
Total Power	—	—	3,208	109,587	3,208	109,587
Washington Pub Pwr Supply Sys/Jun 30						
Firm Power	—	—	4,672	2,605,459	4,672	2,605,459
Nonfirm Power	—	—	—	—	7,288,751	356,183,000
Other Power	—	—	—	—	55,115	—
Total Power	—	—	4,672	2,605,459	7,348,538	358,788,459
Wyoming						
Wyoming Municipal Pwr Agcy/Dec 31						
Firm Power	—	—	—	—	191,155	5,292,060
Nonfirm Power	19,652	403,943	—	—	21,260	461,831
Total Power	19,652	403,943	—	—	212,415	5,753,891

¹ Includes transactions with State and other government utilities, power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •For identification purposes, the public utilities are listed in the State in which the administrative office is located. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities," except where footnoted.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Alabama						
Alabama Municipal Elec Auth/Sep 30						
Firm Power	2,416,058	76,441,862	—	—	—	—
Total Power	2,416,058	76,441,862	—	—	—	—
Albertville Municipal Utils Bd/Jun 30						
Firm Power	—	—	469,971	18,465,486	—	—
Total Power	—	—	469,971	18,465,486	—	—
Andalusia City of/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Athens City of/Dec 31						
Firm Power	—	—	728,982	31,822,127	—	—
Total Power	—	—	728,982	31,822,127	—	—
Bessemer City of/Jun 30						
Firm Power	—	—	343,413	14,634,577	—	—
Total Power	—	—	343,413	14,634,577	—	—
Cullman Power Board/Jun 30						
Firm Power	—	—	324,324	14,404,813	—	—
Total Power	—	—	324,324	14,404,813	—	—
Decatur City of/Jun 30						
Firm Power	—	—	1,463,725	56,225,934	—	—
Total Power	—	—	1,463,725	56,225,934	—	—
Dothan City of/Sep 30						
Firm Power	—	—	77,375	3,143,435	—	—
Total Power	—	—	77,375	3,143,435	—	—
Florence City of/Jun 30						
Firm Power	—	—	1,087,635	48,125,501	—	—
Total Power	—	—	1,087,635	48,125,501	—	—
Foley City of (Riviera Utils/Dec 31						
Firm Power	—	—	34,748	1,295,473	—	—
Total Power	—	—	34,748	1,295,473	—	—
Fort Payne Improvement Auth/Jun 30						
Firm Power	—	—	326,954	14,305,726	—	—
Total Power	—	—	326,954	14,305,726	—	—
Guntersville Electric Board/Jun 30						
Firm Power	—	—	234,148	10,311,881	—	—
Total Power	—	—	234,148	10,311,881	—	—
Hartselle City of/Jun 30						
Firm Power	—	—	136,626	6,183,781	—	—
Total Power	—	—	136,626	6,183,781	—	—
Huntsville City of/Sep 30						
Firm Power	—	—	3,980,802	173,060,649	—	—
Total Power	—	—	3,980,802	173,060,649	—	—
Muscle Shoals City of/Jun 30						
Firm Power	—	—	208,170	9,427,794	—	—
Total Power	—	—	208,170	9,427,794	—	—
Opelika City of/Sep 30						
Firm Power	290,031	12,637,528	28,138	1,254,036	—	—
Total Power	290,031	12,637,528	28,138	1,254,036	—	—
Scottsboro City of/Jun 30						
Firm Power	—	—	366,892	14,962,386	—	—
Total Power	—	—	366,892	14,962,386	—	—
Sheffield Utilities/Jun 30						
Firm Power	—	—	433,151	19,354,048	—	—
Total Power	—	—	433,151	19,354,048	—	—
Sylacauga Utilities Board/Sep 30						
Firm Power	—	—	24,154	1,017,290	—	—
Total Power	—	—	24,154	1,017,290	—	—
Troy City of						
Firm Power	208,676	7,547,722	21,308	655,037	—	—
Total Power	208,676	7,547,722	21,308	655,037	—	—
Tuskegee City of/Sep 30						
Firm Power	—	—	17,618	715,762	—	—
Total Power	—	—	17,618	715,762	—	—
Alaska						
Anchorage City of/Dec 31						
Nonfirm Power	—	—	73,395	1,344,280	98,495	3,605,256
Total Power	—	—	73,395	1,344,280	98,495	3,605,256

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Alabama						
Alabama Municipal Elec Auth/Sep 30						
Firm Power	—	—	—	—	2,416,058	76,441,862
Total Power	—	—	—	—	2,416,058	76,441,862
Albertville Municipal Utils Bd/Jun 30						
Firm Power	—	—	—	—	469,971	18,465,486
Total Power	—	—	—	—	469,971	18,465,486
Andalusia City of/Sep 30						
Firm Power	329,184	11,936,966	—	—	329,184	11,936,966
Total Power	329,184	11,936,966	—	—	329,184	11,936,966
Athens City of/Dec 31						
Firm Power	—	—	—	—	728,982	31,822,127
Total Power	—	—	—	—	728,982	31,822,127
Bessemer City of/Jun 30						
Firm Power	—	—	—	—	343,413	14,634,577
Total Power	—	—	—	—	343,413	14,634,577
Cullman Power Board/Jun 30						
Firm Power	—	—	—	—	324,324	14,404,813
Total Power	—	—	—	—	324,324	14,404,813
Decatur City of/Jun 30						
Firm Power	—	—	—	—	1,463,725	56,225,934
Total Power	—	—	—	—	1,463,725	56,225,934
Dothan City of/Sep 30						
Firm Power	—	—	936,838	36,725,200	1,014,213	39,868,635
Total Power	—	—	936,838	36,725,200	1,014,213	39,868,635
Florence City of/Jun 30						
Firm Power	—	—	—	—	1,087,635	48,125,501
Total Power	—	—	—	—	1,087,635	48,125,501
Foley City of (Riviera Utils/Dec 31						
Firm Power	—	—	492,863	22,146,648	527,611	23,442,121
Total Power	—	—	492,863	22,146,648	527,611	23,442,121
Fort Payne Improvement Auth/Jun 30						
Firm Power	—	—	—	—	326,954	14,305,726
Total Power	—	—	—	—	326,954	14,305,726
Guntersville Electric Board/Jun 30						
Firm Power	—	—	—	—	234,148	10,311,881
Total Power	—	—	—	—	234,148	10,311,881
Hartselle City of/Jun 30						
Firm Power	—	—	—	—	136,626	6,183,781
Total Power	—	—	—	—	136,626	6,183,781
Huntsville City of/Sep 30						
Firm Power	—	—	—	—	3,980,802	173,060,649
Total Power	—	—	—	—	3,980,802	173,060,649
Muscle Shoals City of/Jun 30						
Firm Power	—	—	—	—	208,170	9,427,794
Total Power	—	—	—	—	208,170	9,427,794
Opelika City of/Sep 30						
Firm Power	—	—	—	—	318,169	13,891,564
Total Power	—	—	—	—	318,169	13,891,564
Scottsboro City of/Jun 30						
Firm Power	—	—	—	—	366,892	14,962,386
Total Power	—	—	—	—	366,892	14,962,386
Sheffield Utilities/Jun 30						
Firm Power	—	—	—	—	433,151	19,354,048
Total Power	—	—	—	—	433,151	19,354,048
Sylacauga Utilities Board/Sep 30						
Firm Power	—	—	157,542	5,886,397	181,696	6,903,687
Total Power	—	—	157,542	5,886,397	181,696	6,903,687
Troy City of						
Firm Power	—	—	—	—	229,984	8,202,759
Total Power	—	—	—	—	229,984	8,202,759
Tuskegee City of/Sep 30						
Firm Power	—	—	138,098	5,503,196	155,716	6,218,958
Total Power	—	—	138,098	5,503,196	155,716	6,218,958
Alaska						
Anchorage City of/Dec 31						
Nonfirm Power	1,680	36,640	—	—	173,570	4,986,176
Total Power	1,680	36,640	—	—	173,570	4,986,176

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Alaska						
Fairbanks City of/Dec 31						
Nonfirm Power	—	—	—	—	—	155,018
Total Power	—	—	—	—	—	155,018
Ketchikan City of/Dec 31						
Nonfirm Power	—	—	—	—	76,915	4,879,557
Other Power	—	—	—	—	—	—
Total Power	—	—	—	—	76,915	4,879,557
Arizona						
Mesa City of/Jun 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Arkansas						
Benton City of/Dec 31						
Firm Power	167,793	7,891,848	—	—	—	—
Total Power	167,793	7,891,848	—	—	—	—
Bentonville City of/Dec 31						
Firm Power	180,642	6,006,922	50,552	761,483	—	—
Total Power	180,642	6,006,922	50,552	761,483	—	—
Clarksville Light & Water Co/Sep 30						
Firm Power	—	—	58,648	967,579	—	—
Total Power	—	—	58,648	967,579	—	—
Conway Corp/Dec 31						
Firm Power	201,932	8,525,325	—	—	—	—
Total Power	201,932	8,525,325	—	—	—	—
Hope City of/Dec 31						
Firm Power	200,304	6,814,576	—	—	—	—
Total Power	200,304	6,814,576	—	—	—	—
Jonesboro City of/Dec 31						
Firm Power	—	—	96,000	2,793,600	—	—
Nonfirm Power	—	—	133,655	695,006	1,400	26,215
Total Power	—	—	229,655	3,488,606	1,400	26,215
North Little Rock City of/Dec 31						
Nonfirm Power	842,918	35,483,666	—	—	—	—
Total Power	842,918	35,483,666	—	—	—	—
Osceola City of						
Firm Power	181,235	5,665,016	—	—	—	—
Total Power	181,235	5,665,016	—	—	—	—
Paragould Light & Water Comm/Dec 31						
Firm Power	—	—	157,219	2,668,923	184,081	4,629,100
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	157,219	2,668,923	184,081	4,629,100
Siloam Springs City of/Dec 31						
Firm Power	—	—	—	—	197,819	7,149,789
Total Power	—	—	—	—	197,819	7,149,789
West Memphis City of/Dec 31						
Firm Power	152,372	11,887,219	—	—	—	—
Total Power	152,372	11,887,219	—	—	—	—
California						
Alameda City of/Jun 30						
Firm Power	—	—	150,894	4,437,082	344,563	26,771,506
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	150,894	4,437,082	344,563	26,771,506
Anaheim City of/Jun 30						
Firm Power	87,281	4,946,000	50,572	1,043,000	—	—
Nonfirm Power	13,949	253,000	30,275	514,000	28,684	523,000
Total Power	101,230	5,199,000	80,847	1,557,000	28,684	523,000
Azusa City of/Jun 30						
Firm Power	63,742	3,255,864	—	—	195,230	4,650,419
Nonfirm Power	7,181	179,518	—	—	—	—
Total Power	70,923	3,435,382	—	—	195,230	4,650,419
Burbank City of/Jun 30						
Firm Power	10,647	2,214,750	116,059	4,641,581	—	—
Nonfirm Power	11,458	206,561	34,077	719,585	27,117	650,840
Total Power	22,105	2,421,311	150,136	5,361,166	27,117	650,840
Colton City of/Jun 30						
Firm Power	140,247	9,501,933	3,818	98,235	—	—
Nonfirm Power	7,189	179,779	—	—	—	—
Total Power	147,436	9,681,712	3,818	98,235	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Alaska						
Fairbanks City of/Dec 31						
Nonfirm Power	15,630	563,678	19,683	582,695	35,313	1,301,391
Total Power	15,630	563,678	19,683	582,695	35,313	1,301,391
Ketchikan City of/Dec 31						
Nonfirm Power	—	—	—	—	76,915	4,879,557
Other Power	—	—	49	—	49	—
Total Power	—	—	49	—	76,964	4,879,557
Arizona						
Mesa City of/Jun 30						
Firm Power	—	—	342,080	13,966,844	342,080	13,966,844
Total Power	—	—	342,080	13,966,844	342,080	13,966,844
Arkansas						
Benton City of/Dec 31						
Firm Power	—	—	—	—	167,793	7,891,848
Total Power	—	—	—	—	167,793	7,891,848
Bentonville City of/Dec 31						
Firm Power	—	—	—	—	231,194	6,768,405
Total Power	—	—	—	—	231,194	6,768,405
Clarksville Light & Water Co/Sep 30						
Firm Power	131,484	4,591,535	—	—	190,132	5,559,114
Total Power	131,484	4,591,535	—	—	190,132	5,559,114
Conway Corp/Dec 31						
Firm Power	—	—	—	—	201,932	8,525,325
Total Power	—	—	—	—	201,932	8,525,325
Hope City of/Dec 31						
Firm Power	—	—	—	—	200,304	6,814,576
Total Power	—	—	—	—	200,304	6,814,576
Jonesboro City of/Dec 31						
Firm Power	—	—	—	—	96,000	2,793,600
Nonfirm Power	—	—	337,081	5,868,243	472,136	6,589,464
Total Power	—	—	337,081	5,868,243	568,136	9,383,064
North Little Rock City of/Dec 31						
Nonfirm Power	—	—	-134,620	-6,645,677	708,298	28,837,989
Total Power	—	—	-134,620	-6,645,677	708,298	28,837,989
Osceola City of						
Firm Power	—	—	—	—	181,235	5,665,016
Total Power	—	—	—	—	181,235	5,665,016
Paragould Light & Water Comm/Dec 31						
Firm Power	—	—	—	—	341,300	7,298,023
Nonfirm Power	925	23,630	33,301	637,926	34,226	661,556
Total Power	925	23,630	33,301	637,926	375,526	7,959,579
Siloam Springs City of/Dec 31						
Firm Power	—	—	—	—	197,819	7,149,789
Total Power	—	—	—	—	197,819	7,149,789
West Memphis City of/Dec 31						
Firm Power	—	—	—	—	152,372	11,887,219
Total Power	—	—	—	—	152,372	11,887,219
California						
Alameda City of/Jun 30						
Firm Power	—	—	—	—	495,457	31,208,588
Nonfirm Power	—	—	—	-1,418,758	—	-1,418,758
Total Power	—	—	—	-1,418,758	495,457	29,789,830
Anaheim City of/Jun 30						
Firm Power	475,251	20,027,000	—	—	613,104	26,016,000
Nonfirm Power	213,827	2,957,000	1,559,671	106,060,000	1,846,406	110,307,000
Total Power	689,078	22,984,000	1,559,671	106,060,000	2,459,510	136,323,000
Azusa City of/Jun 30						
Firm Power	—	—	3,255	1,508,151	262,227	9,414,434
Nonfirm Power	—	—	57,597	1,233,536	64,778	1,413,054
Total Power	—	—	60,852	2,741,687	327,005	10,827,488
Burbank City of/Jun 30						
Firm Power	28,304	767,179	582,411	38,247,996	737,421	45,871,506
Nonfirm Power	32,958	641,528	2,061	48,197	107,671	2,266,711
Total Power	61,262	1,408,707	584,472	38,296,193	845,092	48,138,217
Colton City of/Jun 30						
Firm Power	—	—	14,520	2,287,664	158,585	11,887,832
Nonfirm Power	8,424	150,996	45,489	974,124	61,102	1,304,899
Total Power	8,424	150,996	60,009	3,261,788	219,687	13,192,731

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
California						
Glendale City of/Jun 30						
Firm Power	—	—	141,383	3,472,747	—	—
Nonfirm Power	99,611	6,186,270	36,760	752,686	142,553	3,051,827
Total Power	99,611	6,186,270	178,143	4,225,433	142,553	3,051,827
Lassen Municipal Utility Dist/Jun 30						
Firm Power	87,517	7,248,558	—	—	—	—
Nonfirm Power	2,005	42,575	15,189	309,725	29,156	695,183
Total Power	89,522	7,291,133	15,189	309,725	29,156	695,183
Lodi City of/Jun 30						
Firm Power	—	—	85,098	1,611,064	289,158	24,979,249
Total Power	—	—	85,098	1,611,064	289,158	24,979,249
Los Angeles City of/Jun 30						
Firm Power	841,903	45,054,539	651,966	13,301,585	740,287	48,975,383
Nonfirm Power	87,923	10,639,011	144,196	2,782,970	46,687	51,759,229
Total Power	929,826	55,693,550	796,162	16,084,555	786,974	100,734,612
Palo Alto City of/Jun 30						
Firm Power	—	—	719,927	20,385,000	358,938	10,135,000
Total Power	—	—	719,927	20,385,000	358,938	10,135,000
Pasadena City of/Jun 30						
Firm Power	—	—	61,046	905,254	48,525	8,718,159
Nonfirm Power	18,597	1,239,773	28,411	1,128,459	58,296	1,318,188
Other Power	—	—	698	—	—	—
Total Power	18,597	1,239,773	90,155	2,033,713	106,821	10,036,347
Redding City of/Jun 30						
Firm Power	—	—	46	8,455,419	65,700	3,117,294
Nonfirm Power	110,376	7,309,838	577,662	10,068,527	204	7,318
Total Power	110,376	7,309,838	577,708	18,523,946	65,904	3,124,612
Riverside City of/Jun 30						
Firm Power	83,520	9,829,300	37,214	1,764,400	64,407	5,246,800
Nonfirm Power	27,330	637,801	16,103	291,307	8,211	195,811
Total Power	110,850	10,467,101	53,317	2,055,707	72,618	5,442,611
Roseville City of/Jun 30						
Nonfirm Power	—	—	376,761	10,303,389	199,557	18,136,593
Total Power	—	—	376,761	10,303,389	199,557	18,136,593
San Francisco City & County of/Jun 30						
Firm Power	1,986	22,963,883	—	—	—	—
Nonfirm Power	234,226	6,360,433	20,901	420,906	275,676	6,858,252
Other Power	2,919	—	—	—	—	—
Total Power	239,131	29,324,316	20,901	420,906	275,676	6,858,252
Santa Clara City of/Jun 30						
Firm Power	515,019	24,865,309	1,011,160	20,876,664	—	—
Nonfirm Power	9,495	237,511	65,163	1,204,904	69	1,400
Total Power	524,514	25,102,820	1,076,323	22,081,568	69	1,400
Turlock Irrigation Dist/Dec 31						
Firm Power	55,801	5,435,383	18,994	591,443	249,373	21,226,862
Nonfirm Power	49,345	1,161,843	36,801	562,341	193,145	3,631,081
Total Power	105,146	6,597,226	55,795	1,153,784	442,518	24,857,943
Vernon City of/Jun 30						
Firm Power	747,219	18,233,935	82,520	1,356,763	222,704	13,388,448
Nonfirm Power	889	21,094	8,796	12,869	424	14,276
Total Power	748,108	18,255,029	91,316	1,369,632	223,128	13,402,724
Colorado						
Colorado Springs City of/Dec 31						
Firm Power	—	—	376,041	7,502,591	—	—
Nonfirm Power	91,424	2,454,046	7,845	607,164	56,445	1,191,973
Other Power	—	—	—	—	—	—
Total Power	91,424	2,454,046	383,886	8,109,755	56,445	1,191,973
Fort Collins City of/Dec 31						
Firm Power	—	—	—	—	939,061	32,668,582
Total Power	—	—	—	—	939,061	32,668,582
Fort Morgan City of/Dec 31						
Firm Power	—	—	66,162	1,754,681	—	—
Nonfirm Power	—	—	—	—	101,454	2,257,568
Total Power	—	—	66,162	1,754,681	101,454	2,257,568
Longmont City of/Dec 31						
Firm Power	—	—	—	—	494,217	17,079,301
Total Power	—	—	—	—	494,217	17,079,301

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
California						
Glendale City of/Jun 30						
Firm Power	—	—	—	—	141,383	3,472,747
Nonfirm Power	1,188	30,752	542,319	26,624,539	822,431	36,646,074
Total Power	1,188	30,752	542,319	26,624,539	963,814	40,118,821
Lassen Municipal Utility Dist/Jun 30						
Firm Power	—	—	—	—	87,517	7,248,558
Nonfirm Power	—	—	4,140	70,808	50,490	1,118,291
Total Power	—	—	4,140	70,808	138,007	8,366,849
Lodi City of/Jun 30						
Firm Power	—	—	—	—	374,256	26,590,313
Total Power	—	—	—	—	374,256	26,590,313
Los Angeles City of/Jun 30						
Firm Power	—	—	8,231,245	419,464,572	10,465,401	526,796,079
Nonfirm Power	432,945	11,329,511	320,008	5,085,999	1,031,759	81,596,720
Total Power	432,945	11,329,511	8,551,253	424,550,571	11,497,160	608,392,799
Palo Alto City of/Jun 30						
Firm Power	—	—	—	—	1,078,865	30,520,000
Total Power	—	—	—	—	1,078,865	30,520,000
Pasadena City of/Jun 30						
Firm Power	—	—	720,365	39,566,604	829,936	49,190,017
Nonfirm Power	18,528	397,774	9,390	2,356,266	133,222	6,440,460
Other Power	—	—	—	—	698	—
Total Power	18,528	397,774	729,755	41,922,870	963,856	55,630,477
Redding City of/Jun 30						
Firm Power	—	—	—	—	65,746	11,572,713
Nonfirm Power	—	—	1,310	32,390	689,552	17,418,073
Total Power	—	—	1,310	32,390	755,298	28,990,786
Riverside City of/Jun 30						
Firm Power	280,745	12,065,100	898,226	48,751,310	1,364,112	77,656,910
Nonfirm Power	82,906	1,262,181	12,384	230,529	146,934	2,617,629
Total Power	363,651	13,327,281	910,610	48,981,839	1,511,046	80,274,539
Roseville City of/Jun 30						
Nonfirm Power	—	—	—	—	576,318	28,439,982
Total Power	—	—	—	—	576,318	28,439,982
San Francisco City & County of/Jun 30						
Firm Power	—	—	—	—	1,986	22,963,883
Nonfirm Power	—	—	101,485	1,014,675	632,288	14,654,266
Other Power	—	—	—	—	2,919	—
Total Power	—	—	101,485	1,014,675	637,193	37,618,149
Santa Clara City of/Jun 30						
Firm Power	—	—	—	—	1,526,179	45,741,973
Nonfirm Power	—	—	26,978	71,886,507	101,705	73,330,322
Total Power	—	—	26,978	71,886,507	1,627,884	119,072,295
Turlock Irrigation Dist/Dec 31						
Firm Power	381,671	12,615,869	312,715	13,667,566	1,018,554	53,537,123
Nonfirm Power	—	—	30,763	4,117,571	310,054	9,472,836
Total Power	381,671	12,615,869	343,478	17,785,137	1,328,608	63,009,959
Vernon City of/Jun 30						
Firm Power	—	—	—	—	1,052,443	32,979,146
Nonfirm Power	—	—	738	1,695	10,847	49,934
Total Power	—	—	738	1,695	1,063,290	33,029,080
Colorado						
Colorado Springs City of/Dec 31						
Firm Power	—	—	—	—	376,041	7,502,591
Nonfirm Power	123,832	2,948,162	154	4,004	279,700	7,205,349
Other Power	—	—	-7,298	—	-7,298	—
Total Power	123,832	2,948,162	-7,144	4,004	648,443	14,707,940
Fort Collins City of/Dec 31						
Firm Power	—	—	—	—	939,061	32,668,582
Total Power	—	—	—	—	939,061	32,668,582
Fort Morgan City of/Dec 31						
Firm Power	—	—	—	—	66,162	1,754,681
Nonfirm Power	—	—	—	—	101,454	2,257,568
Total Power	—	—	—	—	167,616	4,012,249
Longmont City of/Dec 31						
Firm Power	—	—	—	—	494,217	17,079,301
Total Power	—	—	—	—	494,217	17,079,301

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Colorado						
Loveland City of/Dec 31						
Firm Power.....	—	—	—	—	406,852	13,436,247
Total Power.....	—	—	—	—	406,852	13,436,247
Connecticut						
Mun Electric Engy Coop/Dec 31						
Firm Power.....	621,049	35,673,231	—	—	—	—
Nonfirm Power.....	—	—	—	—	73,917	921,158
Total Power.....	621,049	35,673,231	—	—	73,917	921,158
Groton City of/June 30						
Firm Power.....	—	—	—	—	—	—
Total Power.....	—	—	—	—	—	—
Norwich City of/June 30						
Firm Power.....	—	—	—	—	—	—
Total Power.....	—	—	—	—	—	—
Wallingford Town of/June 30						
Firm Power.....	511,779	30,115,439	—	—	—	—
Nonfirm Power.....	20,713	769,818	—	—	—	—
Total Power.....	532,492	30,885,257	—	—	—	—
Delaware						
Dover City of/June 30						
Nonfirm Power.....	275,560	7,084,919	—	—	—	—
Other Power.....	-43,022	—	—	—	—	—
Total Power.....	232,538	7,084,919	—	—	—	—
Milford City of/Sept 30						
Firm Power.....	147,204	6,497,073	—	—	—	—
Nonfirm Power.....	—	—	—	—	—	—
Total Power.....	147,204	6,497,073	—	—	—	—
Newark City of/Dec 31						
Firm Power.....	291,266	13,284,000	—	—	—	—
Total Power.....	291,266	13,284,000	—	—	—	—
Florida						
Bartow City of/Sept 30						
Firm Power.....	261,945	12,130,166	—	—	—	—
Total Power.....	261,945	12,130,166	—	—	—	—
Florida Municipal Power Agency/Sept 30						
Firm Power.....	854,151	35,305,000	—	—	—	—
Nonfirm Power.....	305,236	2,857,000	—	—	—	—
Total Power.....	1,159,387	38,162,000	—	—	—	—
Fort Pierce Utilities Au/Sept 30						
Nonfirm Power.....	64,377	1,935,426	—	—	—	—
Total Power.....	64,377	1,935,426	—	—	—	—
Gainesville Regional Utilities/Sept 30						
Nonfirm Power.....	108,102	2,464,260	—	—	—	—
Total Power.....	108,102	2,464,260	—	—	—	—
Homestead City of/Sept 30						
Firm Power.....	15,333	910,338	—	—	—	—
Nonfirm Power.....	35,689	919,200	—	—	—	—
Total Power.....	51,022	1,829,538	—	—	—	—
Jacksonville Beach City/Sept 30						
Firm Power.....	—	—	—	—	—	—
Nonfirm Power.....	37,691	2,521,454	—	—	—	—
Total Power.....	37,691	2,521,454	—	—	—	—
Jacksonville Elec Auth/Sept 30						
Firm Power.....	—	—	—	—	—	—
Nonfirm Power.....	121,919	2,272,698	—	—	5,200	109,900
Total Power.....	121,919	2,272,698	—	—	5,200	109,900
Key West City of/Sept 30						
Firm Power.....	438,295	14,317,215	—	—	—	—
Nonfirm Power.....	6,498	176,488	—	—	—	—
Other Power.....	—	—	—	—	—	—
Total Power.....	444,793	14,493,703	—	—	—	—
Kissimmee Utility Auth/Sept 30						
Firm Power.....	213,581	11,058,181	—	—	—	—
Nonfirm Power.....	158,267	3,986,149	—	—	—	—
Total Power.....	371,848	15,044,330	—	—	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Colorado						
Loveland City of/Dec 31						
Firm Power.....	—	—	—	—	406,852	13,436,247
Total Power.....	—	—	—	—	406,852	13,436,247
Connecticut						
Mun Electric Engy Coop/Dec 31						
Firm Power.....	—	—	5,851	1,651,769	626,900	37,325,000
Nonfirm Power.....	—	—	2,515	53,235	76,432	974,393
Total Power.....	—	—	8,366	1,705,004	703,332	38,299,393
Groton City of/Jun 30						
Firm Power.....	—	—	641,622	36,349,890	641,622	36,349,890
Total Power.....	—	—	641,622	36,349,890	641,622	36,349,890
Norwich City of/Jun 30						
Firm Power.....	—	—	297,260	16,618,637	297,260	16,618,637
Total Power.....	—	—	297,260	16,618,637	297,260	16,618,637
Wallingford Town of/Jun 30						
Firm Power.....	—	—	29,717	417,796	541,496	30,533,235
Nonfirm Power.....	—	—	—	—	20,713	769,818
Total Power.....	—	—	29,717	417,796	562,209	31,303,053
Delaware						
Dover City of/Jun 30						
Nonfirm Power.....	—	—	69,378	1,749,813	344,938	8,834,732
Other Power.....	—	—	—	—	-43,022	—
Total Power.....	—	—	69,378	1,749,813	301,916	8,834,732
Milford City of/Sep 30						
Firm Power.....	—	—	—	—	147,204	6,497,073
Nonfirm Power.....	—	—	4,790	441,286	4,790	441,286
Total Power.....	—	—	4,790	441,286	151,994	6,938,359
Newark City of/Dec 31						
Firm Power.....	—	—	16,691	1,089,000	307,957	14,373,000
Total Power.....	—	—	16,691	1,089,000	307,957	14,373,000
Florida						
Bartow City of/Sep 30						
Firm Power.....	—	—	—	—	261,945	12,130,166
Total Power.....	—	—	—	—	261,945	12,130,166
Florida Municipal Power Agency/Sep 30						
Firm Power.....	—	—	931,744	29,246,000	1,785,895	64,551,000
Nonfirm Power.....	76,663	1,317,000	27,996	536,000	409,895	4,710,000
Total Power.....	76,663	1,317,000	959,740	29,782,000	2,195,790	69,261,000
Fort Pierce Utilities Au/Sep 30						
Nonfirm Power.....	3,464	64,478	268,226	12,762,752	336,067	14,762,656
Total Power.....	3,464	64,478	268,226	12,762,752	336,067	14,762,656
Gainesville Regional Utilities/Sep 30						
Nonfirm Power.....	6,150	163,847	9,423	295,340	123,675	2,923,447
Total Power.....	6,150	163,847	9,423	295,340	123,675	2,923,447
Homestead City of/Sep 30						
Firm Power.....	—	—	158,931	8,199,262	174,264	9,109,600
Nonfirm Power.....	1,656	35,021	2,057	59,362	39,402	1,013,583
Total Power.....	1,656	35,021	160,988	8,258,624	213,666	10,123,183
Jacksonville Beach City/Sep 30						
Firm Power.....	—	—	501,844	24,018,697	501,844	24,018,697
Nonfirm Power.....	—	—	—	311,607	37,691	2,833,061
Total Power.....	—	—	501,844	24,330,304	539,535	26,851,758
Jacksonville Elec Auth/Sep 30						
Firm Power.....	—	—	973,274	51,551,790	973,274	51,551,790
Nonfirm Power.....	221,417	4,927,050	45,783	1,161,176	394,319	8,470,824
Total Power.....	221,417	4,927,050	1,019,057	52,712,966	1,367,593	60,022,614
Key West City of/Sep 30						
Firm Power.....	—	—	78,511	4,045,719	516,806	18,362,934
Nonfirm Power.....	8,733	2,081,005	14,125	482,706	29,356	2,740,199
Other Power.....	—	—	-2,228	—	-2,228	—
Total Power.....	8,733	2,081,005	90,408	4,528,425	543,934	21,103,133
Kissimmee Utility Auth/Sep 30						
Firm Power.....	—	—	6,808	863,848	220,389	11,922,029
Nonfirm Power.....	26,312	640,828	81,275	5,738,882	265,854	10,365,859
Total Power.....	26,312	640,828	88,083	6,602,730	486,243	22,287,888

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Florida						
Lake Worth City of/Sep 30						
Nonfirm Power	35,049	957,688	—	—	—	—
Total Power	35,049	957,688	—	—	—	—
Lakeland City of/Sep 30						
Nonfirm Power	21,125	412,441	—	—	—	—
Total Power	21,125	412,441	—	—	—	—
Leesburg City of/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
New Smyrna Beach Utils Comm/Sep 30						
Firm Power	216,525	9,122,631	—	—	—	—
Nonfirm Power	4,460	160,880	—	—	—	—
Total Power	220,985	9,283,511	—	—	—	—
Ocala City of/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Orlando Utilities Comm/Sep 30						
Nonfirm Power	400,749	7,682,639	—	—	—	—
Total Power	400,749	7,682,639	—	—	—	—
St Cloud City of/Sep 30						
Firm Power	105,744	6,238,161	—	—	—	—
Nonfirm Power	111,110	3,357,414	—	—	—	—
Total Power	216,854	9,595,575	—	—	—	—
Tallahassee City of/Sep 30						
Firm Power	32,108	633,000	—	—	—	—
Nonfirm Power	25,393	578,000	—	—	—	—
Other Power	—	—	—	—	—	—
Total Power	57,501	1,211,000	—	—	—	—
Vero Beach City of/Sep 30						
Nonfirm Power	31,780	849,267	—	—	—	—
Total Power	31,780	849,267	—	—	—	—
Georgia						
Albany Water Gas & Light/Jun 30						
Firm Power	—	—	76,622	2,497,161	866,096	43,339,951
Total Power	—	—	76,622	2,497,161	866,096	43,339,951
Calhoun City of/Jun 30						
Firm Power	—	—	—	—	326,102	15,609,000
Total Power	—	—	—	—	326,102	15,609,000
Cartersville City of/Jun 30						
Firm Power	—	—	25,707	733,715	361,160	16,859,215
Total Power	—	—	25,707	733,715	361,160	16,859,215
College Park City of/Jun 30						
Firm Power	—	—	19,347	927,085	247,785	14,329,398
Total Power	—	—	19,347	927,085	247,785	14,329,398
Covington City of/Dec 31						
Firm Power	—	—	15,009	589,886	213,197	10,330,940
Total Power	—	—	15,009	589,886	213,197	10,330,940
Dalton City of/Nov 30						
Firm Power	423,742	12,809,000	68,257	1,933,000	—	—
Total Power	423,742	12,809,000	68,257	1,933,000	—	—
Douglas City of/Jun 30						
Firm Power	—	—	12,949	422,099	207,283	10,628,364
Total Power	—	—	12,949	422,099	207,283	10,628,364
East Point City of/Jun 30						
Firm Power	—	—	42,715	1,391,783	291,599	14,179,430
Total Power	—	—	42,715	1,391,783	291,599	14,179,430
Fitzgerald Wtr Lgt & Bnd/Dec 31						
Firm Power	—	—	15,670	409,277	166,749	8,218,530
Total Power	—	—	15,670	409,277	166,749	8,218,530
Griffin City of/Jun 30						
Firm Power	—	—	67,546	749,085	746,044	15,582,233
Total Power	—	—	67,546	749,085	746,044	15,582,233
La Grange City of/Jun 30						
Nonfirm Power	—	—	—	—	462,001	21,536,182
Total Power	—	—	—	—	462,001	21,536,182

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Florida						
Lake Worth City of/Sep 30						
Nonfirm Power	2,423	51,986	169,035	10,486,396	206,507	11,496,070
Total Power	2,423	51,986	169,035	10,486,396	206,507	11,496,070
Lakeland City of/Sep 30						
Nonfirm Power	—	—	191,982	4,434,747	213,107	4,847,188
Total Power	—	—	191,982	4,434,747	213,107	4,847,188
Leesburg City of/Sep 30						
Firm Power	—	—	325,000	15,347,865	325,000	15,347,865
Total Power	—	—	325,000	15,347,865	325,000	15,347,865
New Smyrna Beach Utils Comm/Sep 30						
Firm Power	—	—	—	—	216,525	9,122,631
Nonfirm Power	46	1,664	51,475	3,761,879	55,981	3,924,423
Total Power	46	1,664	51,475	3,761,879	272,506	13,047,054
Ocala City of/Sep 30						
Firm Power	—	—	952,565	41,370,147	952,565	41,370,147
Total Power	—	—	952,565	41,370,147	952,565	41,370,147
Orlando Utilities Comm/Sep 30						
Nonfirm Power	8,872	160,398	3,460	75,710	413,081	7,918,747
Total Power	8,872	160,398	3,460	75,710	413,081	7,918,747
St Cloud City of/Sep 30						
Firm Power	—	—	—	—	105,744	6,238,161
Nonfirm Power	11,456	305,113	13,747	432,124	136,313	4,094,651
Total Power	11,456	305,113	13,747	432,124	242,057	10,332,812
Tallahassee City of/Sep 30						
Firm Power	—	—	771,440	29,905,000	803,548	30,538,000
Nonfirm Power	17,628	1,117,000	15,696	441,000	58,717	2,136,000
Other Power	—	—	14	—	14	—
Total Power	17,628	1,117,000	787,150	30,346,000	862,279	32,674,000
Vero Beach City of/Sep 30						
Nonfirm Power	3,918	82,487	185,562	10,326,365	221,260	11,258,119
Total Power	3,918	82,487	185,562	10,326,365	221,260	11,258,119
Georgia						
Albany Water Gas & Light/Jun 30						
Firm Power	—	—	—	—	942,718	45,837,112
Total Power	—	—	—	—	942,718	45,837,112
Calhoun City of/Jun 30						
Firm Power	—	—	—	—	326,102	15,609,000
Total Power	—	—	—	—	326,102	15,609,000
Cartersville City of/Jun 30						
Firm Power	—	—	—	—	386,867	17,592,930
Total Power	—	—	—	—	386,867	17,592,930
College Park City of/Jun 30						
Firm Power	—	—	—	—	267,132	15,256,483
Total Power	—	—	—	—	267,132	15,256,483
Covington City of/Dec 31						
Firm Power	—	—	—	—	228,206	10,920,826
Total Power	—	—	—	—	228,206	10,920,826
Dalton City of/Nov 30						
Firm Power	—	—	—	—	491,999	14,742,000
Total Power	—	—	—	—	491,999	14,742,000
Douglas City of/Jun 30						
Firm Power	—	—	—	—	220,232	11,050,463
Total Power	—	—	—	—	220,232	11,050,463
East Point City of/Jun 30						
Firm Power	—	—	—	—	334,314	15,571,213
Total Power	—	—	—	—	334,314	15,571,213
Fitzgerald Wtr Lgt & Bnd/Dec 31						
Firm Power	—	—	—	—	182,419	8,627,807
Total Power	—	—	—	—	182,419	8,627,807
Griffin City of/Jun 30						
Firm Power	—	—	—	—	813,590	16,331,318
Total Power	—	—	—	—	813,590	16,331,318
La Grange City of/Jun 30						
Nonfirm Power	—	—	—	—	462,001	21,536,182
Total Power	—	—	—	—	462,001	21,536,182

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Georgia						
Lawrenceville City of/Aug 31						
Firm Power	—	—	—	—	210,943	11,426,190
Total Power	—	—	—	—	210,943	11,426,190
Marietta City of/Jun 30						
Firm Power	—	—	45,683	1,378,572	829,799	45,524,609
Total Power	—	—	45,683	1,378,572	829,799	45,524,609
Moultrie City of/Sep 30						
Firm Power	—	—	23,227	664,618	—	—
Nonfirm Power	—	—	—	—	149,698	8,077,138
Total Power	—	—	23,227	664,618	149,698	8,077,138
Thomasville City of/Dec 31						
Firm Power	—	—	41,261	1,089,722	371,957	19,528,398
Total Power	—	—	41,261	1,089,722	371,957	19,528,398
Idaho						
Idaho Falls City of/Sep 30						
Firm Power	—	—	572,438	16,300,062	—	—
Total Power	—	—	572,438	16,300,062	—	—
Illinois						
Batavia City of/Dec 31						
Firm Power	236,630	10,589,414	—	—	—	—
Total Power	236,630	10,589,414	—	—	—	—
Geneva City of/Apr 30						
Firm Power	161,710	6,116,455	—	—	—	—
Total Power	161,710	6,116,455	—	—	—	—
Illinois Municipal Elec Agency/Apr 30						
Firm Power	791,013	26,268,154	—	—	—	—
Nonfirm Power	63,743	1,737,685	—	—	—	—
Total Power	854,756	28,005,839	—	—	—	—
Naperville City of/Apr 30						
Firm Power	688,886	33,901,862	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	688,886	33,901,862	—	—	—	—
Rochelle Municipal Utilities/Apr 30						
Firm Power	158,732	4,172,258	—	—	—	—
Total Power	158,732	4,172,258	—	—	—	—
Springfield City of/Sep 30						
Firm Power	41,599	840,326	—	—	—	—
Total Power	41,599	840,326	—	—	—	—
St Charles City of/Apr 30						
Firm Power	369,765	17,128,864	—	—	—	—
Total Power	369,765	17,128,864	—	—	—	—
Indiana						
Anderson City of/Dec 31						
Firm Power	—	—	—	—	660,577	28,215,076
Total Power	—	—	—	—	660,577	28,215,076
Auburn City of/Dec 31						
Firm Power	375,872	13,984,521	—	—	—	—
Total Power	375,872	13,984,521	—	—	—	—
Bluffton City of/Dec 31						
Firm Power	171,086	6,706,364	—	—	—	—
Total Power	171,086	6,706,364	—	—	—	—
Crawfordsville Elec Lgt&Pwr Co/Dec 31						
Firm Power	—	—	—	—	378,719	14,543,569
Total Power	—	—	—	—	378,719	14,543,569
Frankfort City of/Jun 30						
Firm Power	—	—	—	—	309,345	11,951,145
Total Power	—	—	—	—	309,345	11,951,145
Greenfield City of						
Firm Power	—	—	—	—	168,876	6,810,731
Total Power	—	—	—	—	168,876	6,810,731
Jasper City of/Dec 31						
Firm Power	213,012	9,045,169	—	—	—	—
Total Power	213,012	9,045,169	—	—	—	—
Logansport City of/Dec 31						
Firm Power	153,896	5,330,210	—	—	—	—
Total Power	153,896	5,330,210	—	—	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Georgia						
Lawrenceville City of/Aug 31						
Firm Power	—	—	—	—	210,943	11,426,190
Total Power	—	—	—	—	210,943	11,426,190
Marietta City of/Jun 30						
Firm Power	—	—	—	—	875,482	46,903,181
Total Power	—	—	—	—	875,482	46,903,181
Moultrie City of/Sep 30						
Firm Power	—	—	—	—	23,227	664,618
Nonfirm Power	—	—	—	—	149,698	8,077,138
Total Power	—	—	—	—	172,925	8,741,756
Thomasville City of/Dec 31						
Firm Power	—	—	—	—	413,218	20,618,120
Total Power	—	—	—	—	413,218	20,618,120
Idaho						
Idaho Falls City of/Sep 30						
Firm Power	—	—	—	—	572,438	16,300,062
Total Power	—	—	—	—	572,438	16,300,062
Illinois						
Batavia City of/Dec 31						
Firm Power	—	—	—	—	236,630	10,589,414
Total Power	—	—	—	—	236,630	10,589,414
Geneva City of/Apr 30						
Firm Power	—	—	23,307	649,044	185,017	6,765,499
Total Power	—	—	23,307	649,044	185,017	6,765,499
Illinois Municipal Elec Agency/Apr 30						
Firm Power	—	—	188,552	4,531,910	979,565	30,800,064
Nonfirm Power	—	—	—	—	63,743	1,737,685
Total Power	—	—	188,552	4,531,910	1,043,308	32,537,749
Naperville City of/Apr 30						
Firm Power	—	—	—	—	688,886	33,901,862
Nonfirm Power	—	—	8,825	237,718	8,825	237,718
Total Power	—	—	8,825	237,718	697,711	34,139,580
Rochelle Municipal Utilities/Apr 30						
Firm Power	—	—	—	—	158,732	4,172,258
Total Power	—	—	—	—	158,732	4,172,258
Springfield City of/Sep 30						
Firm Power	—	—	—	—	41,599	840,326
Total Power	—	—	—	—	41,599	840,326
St Charles City of/Apr 30						
Firm Power	—	—	—	—	369,765	17,128,864
Total Power	—	—	—	—	369,765	17,128,864
Indiana						
Anderson City of/Dec 31						
Firm Power	—	—	—	—	660,577	28,215,076
Total Power	—	—	—	—	660,577	28,215,076
Auburn City of/Dec 31						
Firm Power	—	—	—	—	375,872	13,984,521
Total Power	—	—	—	—	375,872	13,984,521
Bluffton City of/Dec 31						
Firm Power	—	—	—	—	171,086	6,706,364
Total Power	—	—	—	—	171,086	6,706,364
Crawfordsville Elec Lgt&Pwr Co/Dec 31						
Firm Power	—	—	—	—	378,719	14,543,569
Total Power	—	—	—	—	378,719	14,543,569
Frankfort City of/Jun 30						
Firm Power	—	—	—	—	309,345	11,951,145
Total Power	—	—	—	—	309,345	11,951,145
Greenfield City of						
Firm Power	—	—	—	—	168,876	6,810,731
Total Power	—	—	—	—	168,876	6,810,731
Jasper City of/Dec 31						
Firm Power	—	—	—	—	213,012	9,045,169
Total Power	—	—	—	—	213,012	9,045,169
Logansport City of/Dec 31						
Firm Power	—	—	—	—	153,896	5,330,210
Total Power	—	—	—	—	153,896	5,330,210

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Indiana						
Mishawaka City of/Dec 31						
Firm Power	482,439	20,465,170	—	—	—	—
Total Power	482,439	20,465,170	—	—	—	—
Peru City of/Dec 31						
Firm Power	—	—	—	—	206,656	5,729,756
Total Power	—	—	—	—	206,656	5,729,756
Richmond City of/Dec 31						
Firm Power	—	—	—	—	200,104	13,423,901
Total Power	—	—	—	—	200,104	13,423,901
Washington City of/Jun 30						
Firm Power	—	—	—	—	162,825	6,572,920
Total Power	—	—	—	—	162,825	6,572,920
Iowa						
Ames City of/Jun 30						
Nonfirm Power	63,416	1,019,778	—	—	—	—
Total Power	63,416	1,019,778	—	—	—	—
Cedar Falls City of/Dec 31						
Nonfirm Power	93,765	1,350,897	—	—	—	—
Other Power	—	—	—	—	—	—
Total Power	93,761	1,350,897	—	—	—	—
Muscatine City of/Dec 31						
Nonfirm Power	9,270	160,422	3,625	65,475	24,335	328,035
Total Power	9,270	160,422	3,625	65,475	24,335	328,035
Pella City of/Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	6,957	463,369	—	—	—	—
Total Power	6,957	463,369	—	—	—	—
Kansas						
Chanute City of/Dec 31						
Firm Power	—	—	3,346	66,018	—	—
Nonfirm Power	149,400	3,548,865	—	—	—	—
Total Power	149,400	3,548,865	3,346	66,018	—	—
Coffeyville City of/Dec 31						
Nonfirm Power	143,653	4,043,988	5,871	137,984	—	—
Total Power	143,653	4,043,988	5,871	137,984	—	—
Garden City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
McPherson City of/Dec 31						
Firm Power	529,659	12,535,589	—	—	—	—
Total Power	529,659	12,535,589	—	—	—	—
Winfield City of/Dec 31						
Nonfirm Power	91,649	2,616,335	—	—	84,839	3,363,002
Total Power	91,649	2,616,335	—	—	84,839	3,363,002
Kentucky						
Bowling Green City of/Dec 31						
Firm Power	—	—	695,641	30,131,894	—	—
Total Power	—	—	695,641	30,131,894	—	—
Frankfort City of/Jun 30						
Firm Power	637,728	19,414,245	—	—	—	—
Total Power	637,728	19,414,245	—	—	—	—
Franklin City of/Jun 30						
Firm Power	—	—	195,069	7,848,592	—	—
Total Power	—	—	195,069	7,848,592	—	—
Glasgow City of/Jun 30						
Nonfirm Power	—	—	323,000	13,479,087	—	—
Total Power	—	—	323,000	13,479,087	—	—
Henderson City Utility Comm/May 31						
Firm Power	—	—	16,530	359,622	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	16,530	359,622	—	—
Hopkinsville City of/Jun 30						
Firm Power	—	—	433,467	18,101,371	—	—
Total Power	—	—	433,467	18,101,371	—	—
Madisonville Municipal Utils/ Jun 30						
Firm Power	284,555	8,746,512	—	—	—	—
Total Power	284,555	8,746,512	—	—	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Indiana						
Mishawaka City of/Dec 31						
Firm Power	—	—	—	—	482,439	20,465,170
Total Power	—	—	—	—	482,439	20,465,170
Peru City of/Dec 31						
Firm Power	—	—	—	—	206,656	5,729,756
Total Power	—	—	—	—	206,656	5,729,756
Richmond City of/Dec 31						
Firm Power	—	—	—	—	200,104	13,423,901
Total Power	—	—	—	—	200,104	13,423,901
Washington City of/Jun 30						
Firm Power	—	—	—	—	162,825	6,572,920
Total Power	—	—	—	—	162,825	6,572,920
Iowa						
Ames City of/Jun 30						
Nonfirm Power	—	—	—	—	63,416	1,019,778
Total Power	—	—	—	—	63,416	1,019,778
Cedar Falls City of/Dec 31						
Nonfirm Power	—	—	9	131	93,774	1,351,028
Other Power	—	—	—	—	—	—
Total Power	—	—	9	131	93,770	1,351,028
Muscatine City of/Dec 31						
Nonfirm Power	10,950	178,967	285	4,767	48,465	737,666
Total Power	10,950	178,967	285	4,767	48,465	737,666
Pella City of/Dec 31						
Firm Power	—	—	—	600,000	—	600,000
Nonfirm Power	—	—	54,036	866,312	60,993	1,329,681
Total Power	—	—	54,036	1,466,312	60,993	1,929,681
Kansas						
Chanute City of/Dec 31						
Firm Power	—	—	—	—	3,346	66,018
Nonfirm Power	—	—	—	—	149,400	3,548,865
Total Power	—	—	—	—	152,746	3,614,883
Coffeyville City of/Dec 31						
Nonfirm Power	—	—	—	225,000	149,524	4,406,972
Total Power	—	—	—	225,000	149,524	4,406,972
Garden City City of/Dec 31						
Firm Power	178,114	8,941,417	—	—	178,114	8,941,417
Total Power	178,114	8,941,417	—	—	178,114	8,941,417
McPherson City of/Dec 31						
Firm Power	—	—	—	—	529,659	12,535,589
Total Power	—	—	—	—	529,659	12,535,589
Winfield City of/Dec 31						
Nonfirm Power	—	—	—	—	176,488	5,979,337
Total Power	—	—	—	—	176,488	5,979,337
Kentucky						
Bowling Green City of/Dec 31						
Firm Power	—	—	—	—	695,641	30,131,894
Total Power	—	—	—	—	695,641	30,131,894
Frankfort City of/Jun 30						
Firm Power	—	—	—	—	637,728	19,414,245
Total Power	—	—	—	—	637,728	19,414,245
Franklin City of/Jun 30						
Firm Power	—	—	—	—	195,069	7,848,592
Total Power	—	—	—	—	195,069	7,848,592
Glasgow City of/Jun 30						
Nonfirm Power	—	—	—	—	323,000	13,479,087
Total Power	—	—	—	—	323,000	13,479,087
Henderson City Utility Comm/May 31						
Firm Power	—	—	—	—	16,530	359,622
Nonfirm Power	1,120	42,783	—	—	1,120	42,783
Total Power	1,120	42,783	—	—	17,650	402,405
Hopkinsville City of/Jun 30						
Firm Power	—	—	—	—	433,467	18,101,371
Total Power	—	—	—	—	433,467	18,101,371
Madisonville Municipal Utils/ Jun 30						
Firm Power	—	—	—	—	284,555	8,746,512
Total Power	—	—	—	—	284,555	8,746,512

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Kentucky						
Mayfield City of/Jun 30						
Firm Power	—	—	151,901	6,919,667	—	—
Total Power	—	—	151,901	6,919,667	—	—
Murray City of/Jun 30						
Firm Power	—	—	242,496	10,644,470	—	—
Total Power	—	—	242,496	10,644,470	—	—
Owensboro City of/May 31						
Nonfirm Power	20,940	352,380	—	—	—	—
Total Power	20,940	352,380	—	—	—	—
Paducah City of/Jun 30						
Firm Power	—	—	565,592	25,111,178	—	—
Total Power	—	—	565,592	25,111,178	—	—
Louisiana						
Alexandria City of/Apr 30						
Firm Power	—	—	43,695	913,629	—	—
Nonfirm Power	184,983	4,760,681	—	—	399,035	17,262,452
Total Power	184,983	4,760,681	43,695	913,629	399,035	17,262,452
Lafayette City of/Oct 31						
Nonfirm Power	189,045	4,746,518	42,402	710,804	—	—
Total Power	189,045	4,746,518	42,402	710,804	—	—
Morgan City City of/Dec 31						
Firm Power	—	—	—	—	166,917	7,064,580
Total Power	—	—	—	—	166,917	7,064,580
Natchitoches City of/May 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Ruston City of/Sep 30						
Firm Power	—	—	—	—	18,888	357,880
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	18,888	357,880
Terrebonne Parish Consol Gov 't/Dec 31						
Firm Power	—	—	—	—	242,387	10,115,793
Total Power	—	—	—	—	242,387	10,115,793
Maryland						
Easton Utilities Comm/Jun 30						
Nonfirm Power	176,045	5,222,144	—	—	—	—
Total Power	176,045	5,222,144	—	—	—	—
Hagerstown City of/Jun 30						
Firm Power	324,384	12,832,526	—	—	—	—
Total Power	324,384	12,832,526	—	—	—	—
Massachusetts						
Braintree Town of/Dec 31						
Firm Power	174,048	5,702,559	—	—	99,837	6,340,770
Total Power	174,048	5,702,559	—	—	99,837	6,340,770
Chicopee City of/Dec 31						
Firm Power	50,606	1,461,604	—	—	42,880	504,068
Nonfirm Power	3,628	261,982	—	—	—	—
Total Power	54,234	1,723,586	—	—	42,880	504,068
Concord Town of/Dec 31						
Firm Power	145,307	7,990,257	—	—	—	—
Nonfirm Power	—	—	—	—	12,276	196,924
Total Power	145,307	7,990,257	—	—	12,276	196,924
Danvers Town of/Dec 31						
Firm Power	23,090	766,192	—	—	193,803	18,849,952
Nonfirm Power	—	—	—	—	—	—
Total Power	23,090	766,192	—	—	193,803	18,849,952
Hingham City of/Dec 31						
Firm Power	16,193	541,060	—	—	82,114	7,826,451
Nonfirm Power	—	—	—	—	73	-660,142
Total Power	16,193	541,060	—	—	82,187	7,166,309
Holyoke City of/Dec 31						
Nonfirm Power	120,966	6,516,873	—	—	198,757	11,708,665
Total Power	120,966	6,516,873	—	—	198,757	11,708,665
Hudson Town of/Dec 31						
Firm Power	69,315	2,984,620	—	—	153,906	15,722,008
Nonfirm Power	—	—	—	—	2,100	48,300
Total Power	69,315	2,984,620	—	—	156,006	15,770,308

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Kentucky						
Mayfield City of/Jun 30						
Firm Power	—	—	—	—	151,901	6,919,667
Total Power	—	—	—	—	151,901	6,919,667
Murray City of/Jun 30						
Firm Power	—	—	—	—	242,496	10,644,470
Total Power	—	—	—	—	242,496	10,644,470
Owensboro City of/May 31						
Nonfirm Power	—	—	—	—	20,940	352,380
Total Power	—	—	—	—	20,940	352,380
Paducah City of/Jun 30						
Firm Power	—	—	—	—	565,592	25,111,178
Total Power	—	—	—	—	565,592	25,111,178
Louisiana						
Alexandria City of/Apr 30						
Firm Power	—	—	—	—	43,695	913,629
Nonfirm Power	—	—	—	—	584,018	22,023,133
Total Power	—	—	—	—	627,713	22,936,762
Lafayette City of/Oct 31						
Nonfirm Power	—	—	1,474,468	48,958,624	1,705,915	54,415,946
Total Power	—	—	1,474,468	48,958,624	1,705,915	54,415,946
Morgan City City of/Dec 31						
Firm Power	—	—	—	—	166,917	7,064,580
Total Power	—	—	—	—	166,917	7,064,580
Natchitoches City of/May 31						
Firm Power	—	—	212,005	7,609,805	212,005	7,609,805
Total Power	—	—	212,005	7,609,805	212,005	7,609,805
Ruston City of/Sep 30						
Firm Power	—	—	—	—	18,888	357,880
Nonfirm Power	—	—	47,011	1,095,670	47,011	1,095,670
Total Power	—	—	47,011	1,095,670	65,899	1,453,550
Terrebonne Parish Consol Gov t/Dec 31						
Firm Power	—	—	—	—	242,387	10,115,793
Total Power	—	—	—	—	242,387	10,115,793
Maryland						
Easton Utilities Comm/Jun 30						
Nonfirm Power	—	—	—	—	176,045	5,222,144
Total Power	—	—	—	—	176,045	5,222,144
Hagerstown City of/Jun 30						
Firm Power	—	—	—	—	324,384	12,832,526
Total Power	—	—	—	—	324,384	12,832,526
Massachusetts						
Braintree Town of/Dec 31						
Firm Power	—	—	6,890	822,565	280,775	12,865,894
Total Power	—	—	6,890	822,565	280,775	12,865,894
Chicopee City of/Dec 31						
Firm Power	—	—	166,920	10,220,971	260,406	12,186,643
Nonfirm Power	—	—	22,260	1,065,087	25,888	1,327,069
Total Power	—	—	189,180	11,286,058	286,294	13,513,712
Concord Town of/Dec 31						
Firm Power	—	—	—	—	145,307	7,990,257
Nonfirm Power	—	—	—	—	12,276	196,924
Total Power	—	—	—	—	157,583	8,187,181
Danvers Town of/Dec 31						
Firm Power	—	—	8,000	253,316	224,893	19,869,460
Nonfirm Power	—	—	96,695	2,843,588	96,695	2,843,588
Total Power	—	—	104,695	3,096,904	321,588	22,713,048
Hingham City of/Dec 31						
Firm Power	—	—	3,943	425,489	102,250	8,793,000
Nonfirm Power	—	-73,039	—	—	73	-733,181
Total Power	—	-73,039	3,943	425,489	102,323	8,059,819
Holyoke City of/Dec 31						
Nonfirm Power	—	—	2,471	99,470	322,194	18,325,008
Total Power	—	—	2,471	99,470	322,194	18,325,008
Hudson Town of/Dec 31						
Firm Power	—	—	18,061	765,800	241,282	19,472,428
Nonfirm Power	—	—	77,139	2,243,923	79,239	2,292,223
Total Power	—	—	95,200	3,009,723	320,521	21,764,651

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Massachusetts						
Littleton Town of/Dec 31						
Nonfirm Power	14,007	897,094	—	—	18,927	918,832
Total Power	14,007	897,094	—	—	18,927	918,832
Mansfield Town of/Dec 31						
Firm Power	—	—	—	—	132,430	13,555,016
Total Power	—	—	—	—	132,430	13,555,016
Middleborough Town of/Dec 31						
Nonfirm Power	70,640	4,330,048	—	—	102,055	7,265,803
Total Power	70,640	4,330,048	—	—	102,055	7,265,803
North Attleborough Town of/Dec 31						
Firm Power	21,360	1,032,103	—	—	71,808	5,955,244
Nonfirm Power	—	—	—	—	1,427	35,993
Total Power	21,360	1,032,103	—	—	73,235	5,991,237
Norwood City of/Jun 30						
Nonfirm Power	305,146	21,068,137	—	—	21,346	257,790
Total Power	305,146	21,068,137	—	—	21,346	257,790
Peabody City of/Dec 31						
Firm Power	46,888	2,051,318	—	—	211,182	18,974,939
Nonfirm Power	2,554	62,291	—	—	4,644	379,821
Total Power	49,442	2,113,609	—	—	215,826	19,354,760
Reading Town of/Dec 31						
Firm Power	259,759	16,490,531	—	—	227,274	17,744,406
Nonfirm Power	16	87,751	—	—	—	1,011,881
Total Power	259,775	16,578,282	—	—	227,274	18,756,287
Shrewsbury Town of/Dec 31						
Firm Power	95,569	4,088,094	—	—	80,391	4,441,839
Nonfirm Power	30,239	980,751	—	—	—	—
Total Power	125,808	5,068,845	—	—	80,391	4,441,839
Taunton City of/Dec 31						
Nonfirm Power	103,678	2,735,961	—	—	42,252	643,563
Total Power	103,678	2,735,961	—	—	42,252	643,563
Wakefield Town of/Dec 31						
Firm Power	25,725	1,204,173	—	—	142,301	10,287,667
Nonfirm Power	—	276,252	—	—	—	—
Total Power	25,725	1,480,425	—	—	142,301	10,287,667
Wellesley Town of/Dec 31						
Firm Power	185,300	10,266,817	—	—	18,300	293,265
Nonfirm Power	—	—	—	—	—	—
Total Power	185,300	10,266,817	—	—	18,300	293,265
Westfield City of/Dec 31						
Firm Power	39,827	1,857,310	—	—	229,807	17,974,654
Nonfirm Power	1,129	31,424	—	—	—	—
Total Power	40,956	1,888,734	—	—	229,807	17,974,654
Michigan						
Bay City City of/Jun 30						
Firm Power	295,503	10,192,314	—	—	—	—
Total Power	295,503	10,192,314	—	—	—	—
Coldwater Board of Public Util/Jun 30						
Nonfirm Power	—	—	—	—	159,190	8,218,491
Total Power	—	—	—	—	159,190	8,218,491
Detroit City of/Jun 30						
Nonfirm Power	429,472	14,112,815	—	—	—	—
Total Power	429,472	14,112,815	—	—	—	—
Grand Haven City of/Jun 30						
Nonfirm Power	—	—	—	—	4,514	121,746
Total Power	—	—	—	—	4,514	121,746
Hillsdale Board of Public Wks/Jun 30						
Nonfirm Power	—	—	—	—	142,083	6,365,216
Total Power	—	—	—	—	142,083	6,365,216
Holland City of/Jun 30						
Firm Power	87,466	2,897,301	—	—	311,128	11,671,516
Total Power	87,466	2,897,301	—	—	311,128	11,671,516
Lansing City of/Jun 30						
Nonfirm Power	—	—	—	—	997,356	37,816,537
Total Power	—	—	—	—	997,356	37,816,537

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Massachusetts						
Littleton Town of/Dec 31						
Nonfirm Power	—	—	141,487	9,775,102	174,421	11,591,028
Total Power	—	—	141,487	9,775,102	174,421	11,591,028
Mansfield Town of/Dec 31						
Firm Power	—	—	6,920	221,472	139,350	13,776,488
Total Power	—	—	6,920	221,472	139,350	13,776,488
Middleborough Town of/Dec 31						
Nonfirm Power	—	—	—	—	172,695	11,595,851
Total Power	—	—	—	—	172,695	11,595,851
North Attleborough Town of/Dec 31						
Firm Power	—	—	11,187	1,232,601	104,355	8,219,948
Nonfirm Power	—	—	—	—	1,427	35,993
Total Power	—	—	11,187	1,232,601	105,782	8,255,941
Norwood City of/Jun 30						
Nonfirm Power	—	—	—	—	326,492	21,325,927
Total Power	—	—	—	—	326,492	21,325,927
Peabody City of/Dec 31						
Firm Power	—	—	—	—	258,070	21,026,257
Nonfirm Power	—	—	3,732	94,517	10,930	536,629
Total Power	—	—	3,732	94,517	269,000	21,562,886
Reading Town of/Dec 31						
Firm Power	—	—	—	—	487,033	34,234,937
Nonfirm Power	—	—	93	-23,302	109	1,076,330
Total Power	—	—	93	-23,302	487,142	35,311,267
Shrewsbury Town of/Dec 31						
Firm Power	—	—	—	—	175,960	8,529,933
Nonfirm Power	—	—	—	—	30,239	980,751
Total Power	—	—	—	—	206,199	9,510,684
Taunton City of/Dec 31						
Nonfirm Power	—	—	3,285	474,627	149,215	3,854,151
Total Power	—	—	3,285	474,627	149,215	3,854,151
Wakefield Town of/Dec 31						
Firm Power	—	—	—	—	168,026	11,491,840
Nonfirm Power	—	—	482	45,795	482	322,047
Total Power	—	—	482	45,795	168,508	11,813,887
Wellesley Town of/Dec 31						
Firm Power	—	—	—	—	203,600	10,560,082
Nonfirm Power	—	—	400	16,102	400	16,102
Total Power	—	—	400	16,102	204,000	10,576,184
Westfield City of/Dec 31						
Firm Power	—	—	30,763	2,338,085	300,397	22,170,049
Nonfirm Power	—	—	4,436	456,278	5,565	487,702
Total Power	—	—	35,199	2,794,363	305,962	22,657,751
Michigan						
Bay City City of/Jun 30						
Firm Power	—	—	—	—	295,503	10,192,314
Total Power	—	—	—	—	295,503	10,192,314
Coldwater Board of Public Util/Jun 30						
Nonfirm Power	—	—	—	—	159,190	8,218,491
Total Power	—	—	—	—	159,190	8,218,491
Detroit City of/Jun 30						
Nonfirm Power	—	—	—	—	429,472	14,112,815
Total Power	—	—	—	—	429,472	14,112,815
Grand Haven City of/Jun 30						
Nonfirm Power	—	—	—	—	4,514	121,746
Total Power	—	—	—	—	4,514	121,746
Hillsdale Board of Public Wks/Jun 30						
Nonfirm Power	—	—	—	—	142,083	6,365,216
Total Power	—	—	—	—	142,083	6,365,216
Holland City of/Jun 30						
Firm Power	—	—	—	—	398,594	14,568,817
Total Power	—	—	—	—	398,594	14,568,817
Lansing City of/Jun 30						
Nonfirm Power	—	—	—	—	997,356	37,816,537
Total Power	—	—	—	—	997,356	37,816,537

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Michigan						
Marquette City of/Jun 30						
Nonfirm Power	41,350	779,237	—	—	—	—
Total Power	41,350	779,237	—	—	—	—
Sturgis City of/Sep 30						
Firm Power	191,712	6,978,933	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	191,712	6,978,933	—	—	—	—
Traverse City City of/Jun 30						
Firm Power	—	—	—	—	150,946	5,385,116
Nonfirm Power	—	—	—	—	59,034	1,489,281
Total Power	—	—	—	—	209,980	6,874,397
Wyandotte Municipal Serv Comm/Sep 30						
Firm Power	35,846	1,108,433	—	—	—	—
Total Power	35,846	1,108,433	—	—	—	—
Zeeland City of/Dec 31						
Firm Power	—	—	—	—	79,584	3,064,355
Nonfirm Power	—	—	—	—	70,482	1,663,422
Total Power	—	—	—	—	150,066	4,727,777
Minnesota						
Alexandria City of/Apr 30						
Firm Power	—	—	97,019	1,198,802	96,297	3,743,132
Total Power	—	—	97,019	1,198,802	96,297	3,743,132
Anoka City of/Dec 31						
Firm Power	218,304	8,894,813	—	—	—	—
Total Power	218,304	8,894,813	—	—	—	—
Austin City of/Sep 30						
Firm Power	—	—	—	—	262,556	14,537,361
Total Power	—	—	—	—	262,556	14,537,361
Brainerd City of/Dec 31						
Firm Power	149,428	5,275,361	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	149,428	5,275,361	—	—	—	—
Chaska City of/Dec 31						
Firm Power	167,816	6,734,145	—	—	—	—
Total Power	167,816	6,734,145	—	—	—	—
Fairmont Public Utilities Comm/Dec 31						
Firm Power	—	—	—	—	146,434	8,548,850
Total Power	—	—	—	—	146,434	8,548,850
Hutchinson Utilities Comm/Dec 31						
Firm Power	25,098	1,963,624	—	—	—	—
Nonfirm Power	104,930	1,641,086	—	—	423	6,247
Total Power	130,028	3,604,710	—	—	423	6,247
Marshall City of/Sep 30						
Firm Power	—	—	129,847	1,551,569	233,722	6,759,187
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	129,847	1,551,569	233,722	6,759,187
Moorhead City of/Dec 31						
Firm Power	—	—	235,179	3,121,521	120,449	4,762,297
Total Power	—	—	235,179	3,121,521	120,449	4,762,297
New Ulm Public Utilities Comm/Dec 31						
Firm Power	133,699	3,102,340	—	—	—	—
Total Power	133,699	3,102,340	—	—	—	—
Owatonna City of/Dec 31						
Firm Power	—	—	—	—	264,401	14,478,513
Total Power	—	—	—	—	264,401	14,478,513
Rochester Public Utilities/Dec 31						
Firm Power	—	—	—	—	917,971	49,594,285
Nonfirm Power	—	—	—	—	1,086	102,345
Total Power	—	—	—	—	919,057	49,696,630
Shakopee Public Utilities Comm/Dec 31						
Firm Power	135,894	5,553,579	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	135,894	5,553,579	—	—	—	—
Willmar Municipal Utils Comm/Dec 31						
Firm Power	136,930	3,748,411	31,986	417,343	—	—
Nonfirm Power	14,023	362,504	—	—	3,577	55,948
Total Power	150,953	4,110,915	31,986	417,343	3,577	55,948

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Michigan						
Marquette City of/Jun 30						
Nonfirm Power	—	—	—	—	41,350	779,237
Total Power	—	—	—	—	41,350	779,237
Sturgis City of/Sep 30						
Firm Power	—	—	—	—	191,712	6,978,933
Nonfirm Power	—	—	3,726	117,038	3,726	117,038
Total Power	—	—	3,726	117,038	195,438	7,095,971
Traverse City City of/Jun 30						
Firm Power	—	—	—	—	150,946	5,385,116
Nonfirm Power	—	—	—	—	59,034	1,489,281
Total Power	—	—	—	—	209,980	6,874,397
Wyandotte Municipal Serv Comm/Sep 30						
Firm Power	—	—	—	—	35,846	1,108,433
Total Power	—	—	—	—	35,846	1,108,433
Zeeland City of/Dec 31						
Firm Power	—	—	—	—	79,584	3,064,355
Nonfirm Power	—	—	—	—	70,482	1,663,422
Total Power	—	—	—	—	150,066	4,727,777
Minnesota						
Alexandria City of/Apr 30						
Firm Power	—	—	—	—	193,316	4,941,934
Total Power	—	—	—	—	193,316	4,941,934
Anoka City of/Dec 31						
Firm Power	—	—	—	—	218,304	8,894,813
Total Power	—	—	—	—	218,304	8,894,813
Austin City of/Sep 30						
Firm Power	—	—	—	—	262,556	14,537,361
Total Power	—	—	—	—	262,556	14,537,361
Brainerd City of/Dec 31						
Firm Power	—	—	—	—	149,428	5,275,361
Nonfirm Power	—	—	—	—52,994	—	—52,994
Total Power	—	—	—	—52,994	149,428	5,222,367
Chaska City of/Dec 31						
Firm Power	—	—	—	—	167,816	6,734,145
Total Power	—	—	—	—	167,816	6,734,145
Fairmont Public Utilities Comm/Dec 31						
Firm Power	—	—	—	—	146,434	8,548,850
Total Power	—	—	—	—	146,434	8,548,850
Hutchinson Utilities Comm/Dec 31						
Firm Power	—	—	—	—	25,098	1,963,624
Nonfirm Power	77,036	1,098,410	—	—	182,389	2,745,743
Total Power	77,036	1,098,410	—	—	207,487	4,709,367
Marshall City of/Sep 30						
Firm Power	—	—	—	—	363,569	8,310,756
Nonfirm Power	—	—	651	31,862	651	31,862
Total Power	—	—	651	31,862	364,220	8,342,618
Moorhead City of/Dec 31						
Firm Power	—	—	—	—	355,628	7,883,818
Total Power	—	—	—	—	355,628	7,883,818
New Ulm Public Utilities Comm/Dec 31						
Firm Power	—	—	—	—	133,699	3,102,340
Total Power	—	—	—	—	133,699	3,102,340
Owatonna City of/Dec 31						
Firm Power	—	—	—	—	264,401	14,478,513
Total Power	—	—	—	—	264,401	14,478,513
Rochester Public Utilities/Dec 31						
Firm Power	—	—	—	—	917,971	49,594,285
Nonfirm Power	—	—	—	—	1,086	102,345
Total Power	—	—	—	—	919,057	49,696,630
Shakopee Public Utilities Comm/Dec 31						
Firm Power	—	—	—	—	135,894	5,553,579
Nonfirm Power	9,803	472,537	—	—	9,803	472,537
Total Power	9,803	472,537	—	—	145,697	6,026,116
Willmar Municipal Utils Comm/Dec 31						
Firm Power	—	—	—	—	168,916	4,165,754
Nonfirm Power	—	—	—	—	17,600	418,452
Total Power	—	—	—	—	186,516	4,584,206

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Minnesota						
Worthington Public Utilities/Dec 31						
Firm Power	—	—	56,758	731,221	86,932	3,689,383
Total Power	—	—	56,758	731,221	86,932	3,689,383
Mississippi						
Aberdeen City of/Jun 30						
Firm Power	—	—	172,139	7,204,593	—	—
Total Power	—	—	172,139	7,204,593	—	—
Clarksdale City of/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Columbus City of/Dec 31						
Firm Power	—	—	485,631	21,244,585	—	—
Total Power	—	—	485,631	21,244,585	—	—
Greenwood Utilities Comm/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Holly Springs City of/Jun 30						
Nonfirm Power	—	—	223,162	9,758,218	—	—
Total Power	—	—	223,162	9,758,218	—	—
Louisville Electric System/Jun 30						
Firm Power	—	—	165,221	7,059,534	—	—
Total Power	—	—	165,221	7,059,534	—	—
Municipal Energy Agency of MS/Sep 30						
Firm Power	—	—	43,625	872,762	260	254,338
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	43,625	872,762	260	254,338
New Albany City of/Jun 30						
Firm Power	—	—	250,631	11,398,567	—	—
Total Power	—	—	250,631	11,398,567	—	—
Oxford City of/Jun 30						
Firm Power	—	—	158,185	7,111,421	—	—
Total Power	—	—	158,185	7,111,421	—	—
Starkville City of/Jun 30						
Firm Power	—	—	345,463	14,511,449	—	—
Total Power	—	—	345,463	14,511,449	—	—
Tupelo City of/Jun 30						
Firm Power	—	—	656,302	28,630,984	—	—
Total Power	—	—	656,302	28,630,984	—	—
West Point City of/Jun 30						
Firm Power	—	—	191,515	8,300,942	—	—
Total Power	—	—	191,515	8,300,942	—	—
Missouri						
Carthage City of/Jun 30						
Firm Power	—	—	22,636	478,784	—	—
Nonfirm Power	—	—	—	—	1,101	21,738
Total Power	—	—	22,636	478,784	1,101	21,738
Columbia City of/Jun 30						
Firm Power	422,985	12,015,112	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	422,985	12,015,112	—	—	—	—
Hannibal City of/Jun 30						
Firm Power	195,671	7,634,605	—	—	—	—
Total Power	195,671	7,634,605	—	—	—	—
Independence City of/Jun 30						
Firm Power	744,351	18,687,370	—	—	—	—
Nonfirm Power	34,252	834,064	—	—	—	—
Total Power	778,603	19,521,434	—	—	—	—
Kennett City of/Jun 30						
Nonfirm Power	—	—	29,241	553,964	—	—
Total Power	—	—	29,241	553,964	—	—
Kirkwood City of/Mar 31						
Firm Power	183,145	7,532,256	—	—	—	—
Total Power	183,145	7,532,256	—	—	—	—
Lebanon City of/Jun 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Minnesota						
Worthington Public Utilities/Dec 31						
Firm Power	—	—	—	—	143,690	4,420,604
Total Power	—	—	—	—	143,690	4,420,604
Mississippi						
Aberdeen City of/June 30						
Firm Power	—	—	—	—	172,139	7,204,593
Total Power	—	—	—	—	172,139	7,204,593
Clarksdale City of/Sept 30						
Firm Power	—	—	191,074	6,329,887	191,074	6,329,887
Total Power	—	—	191,074	6,329,887	191,074	6,329,887
Columbus City of/Dec 31						
Firm Power	—	—	—	—	485,631	21,244,585
Total Power	—	—	—	—	485,631	21,244,585
Greenwood Utilities Comm/Sept 30						
Firm Power	—	—	268,370	9,497,288	268,370	9,497,288
Total Power	—	—	268,370	9,497,288	268,370	9,497,288
Holly Springs City of/June 30						
Nonfirm Power	—	—	—	—	223,162	9,758,218
Total Power	—	—	—	—	223,162	9,758,218
Louisville Electric System/June 30						
Firm Power	—	—	—	—	165,221	7,059,534
Total Power	—	—	—	—	165,221	7,059,534
Municipal Energy Agency of MS/Sept 30						
Firm Power	299,790	13,040,179	120,787	4,982,612	464,462	19,149,891
Nonfirm Power	—	—	372,829	8,485,102	372,829	8,485,102
Total Power	299,790	13,040,179	493,616	13,467,714	837,291	27,634,993
New Albany City of/June 30						
Firm Power	—	—	—	—	250,631	11,398,567
Total Power	—	—	—	—	250,631	11,398,567
Oxford City of/June 30						
Firm Power	—	—	—	—	158,185	7,111,421
Total Power	—	—	—	—	158,185	7,111,421
Starkville City of/June 30						
Firm Power	—	—	—	—	345,463	14,511,449
Total Power	—	—	—	—	345,463	14,511,449
Tupelo City of/June 30						
Firm Power	—	—	—	—	656,302	28,630,984
Total Power	—	—	—	—	656,302	28,630,984
West Point City of/June 30						
Firm Power	—	—	—	—	191,515	8,300,942
Total Power	—	—	—	—	191,515	8,300,942
Missouri						
Carthage City of/June 30						
Firm Power	—	—	183,479	6,195,534	206,115	6,674,318
Nonfirm Power	2,841	67,700	257	-193,117	4,199	-103,679
Total Power	2,841	67,700	183,736	6,002,417	210,314	6,570,639
Columbia City of/June 30						
Firm Power	—	—	309,740	13,649,878	732,725	25,664,990
Nonfirm Power	355	22,617	2,471	85,396	2,826	108,013
Total Power	355	22,617	312,211	13,735,274	735,551	25,773,003
Hannibal City of/June 30						
Firm Power	—	—	—	—	195,671	7,634,605
Total Power	—	—	—	—	195,671	7,634,605
Independence City of/June 30						
Firm Power	—	—	—	—	744,351	18,687,370
Nonfirm Power	23	1,098	—	—	34,275	835,162
Total Power	23	1,098	—	—	778,626	19,522,532
Kennett City of/June 30						
Nonfirm Power	—	—	126,822	2,195,219	156,063	2,749,183
Total Power	—	—	126,822	2,195,219	156,063	2,749,183
Kirkwood City of/Mar 31						
Firm Power	—	—	—	—	183,145	7,532,256
Total Power	—	—	—	—	183,145	7,532,256
Lebanon City of/June 30						
Firm Power	183,000	6,857,899	—	—	183,000	6,857,899
Total Power	183,000	6,857,899	—	—	183,000	6,857,899

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Missouri						
Marshall City of/Sep 30						
Firm Power	105,352	1,791,486	—	—	—	—
Total Power	105,352	1,791,486	—	—	—	—
Monett City of/Mar 31						
Firm Power	155,510	5,397,568	—	—	—	—
Total Power	155,510	5,397,568	—	—	—	—
Poplar Bluff City of/Dec 31						
Firm Power	—	—	119,353	1,931,646	145,019	3,730,692
Total Power	—	—	119,353	1,931,646	145,019	3,730,692
Rolla City of/Sep 30						
Firm Power	232,164	8,987,788	—	—	—	—
Total Power	232,164	8,987,788	—	—	—	—
Sikeston City of/May 31						
Firm Power	—	—	110,864	1,387,280	—	—
Nonfirm Power	—	—	—	—	73	1,546
Total Power	—	—	110,864	1,387,280	73	1,546
Springfield City of/Sep 30						
Firm Power	—	—	60,000	1,749,000	394,560	7,600,000
Nonfirm Power	—	—	86,627	586,000	157,806	2,639,000
Total Power	—	—	146,627	2,335,000	552,366	10,239,000
Nebraska						
Beatrice City of/Aug 31						
Firm Power	—	—	—	—	141,680	4,923,345
Total Power	—	—	—	—	141,680	4,923,345
Fremont City of/Jul 31						
Nonfirm Power	—	—	26,299	400,696	42,385	633,814
Total Power	—	—	26,299	400,696	42,385	633,814
Grand Island City of/Jul 31						
Firm Power	—	—	34,820	432,838	—	—
Nonfirm Power	—	—	—	—	20,758	354,741
Total Power	—	—	34,820	432,838	20,758	354,741
Hastings City of/Dec 31						
Nonfirm Power	—	—	46,260	822,397	13,135	216,776
Total Power	—	—	46,260	822,397	13,135	216,776
Lincoln Electric System/Dec 31						
Firm Power	—	—	137,512	3,702,508	1,299,586	45,054,878
Nonfirm Power	98,373	1,496,025	17,950	294,040	24,174	339,477
Total Power	98,373	1,496,025	155,462	3,996,548	1,323,760	45,394,355
North Platte City of/Jul 31						
Firm Power	—	—	—	—	225,459	7,591,656
Total Power	—	—	—	—	225,459	7,591,656
New Jersey						
Vineland City of/Jun 30						
Firm Power	209,902	12,108,567	—	—	—	—
Nonfirm Power	—	—	—	—	21,071	475,382
Total Power	209,902	12,108,567	—	—	21,071	475,382
New Mexico						
Farmington City of/Jun 30						
Firm Power	21,636	913,504	85,709	1,488,241	—	48,229
Nonfirm Power	5,814	146,876	13,254	329,496	6,755	167,518
Other Power	—	—	602	—	—	—
Total Power	27,450	1,060,380	99,565	1,817,737	6,755	215,747
Gallup City of/Jun 30						
Firm Power	165,395	8,090,580	16,959	283,004	—	—
Total Power	165,395	8,090,580	16,959	283,004	—	—
Los Alamos County/Jun 30						
Firm Power	—	—	112,835	6,116,456	—	—
Nonfirm Power	4,887	119,533	—	—	13,601	294,555
Total Power	4,887	119,533	112,835	6,116,456	13,601	294,555
New York						
Fairport Village of/May 31						
Firm Power	—	—	—	—	378,490	6,670,257
Total Power	—	—	—	—	378,490	6,670,257
Freeport Village of Inc/Feb 28						
Nonfirm Power	484	92,624	—	—	226,161	4,883,965
Total Power	484	92,624	—	—	226,161	4,883,965

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Missouri						
Marshall City of/Sep 30						
Firm Power	—	—	—	—	105,352	1,791,486
Total Power	—	—	—	—	105,352	1,791,486
Monett City of/Mar 31						
Firm Power	—	—	—	—	155,510	5,397,568
Total Power	—	—	—	—	155,510	5,397,568
Poplar Bluff City of/Dec 31						
Firm Power	3,027	74,162	18,392	377,023	285,791	6,113,523
Total Power	3,027	74,162	18,392	377,023	285,791	6,113,523
Rolla City of/Sep 30						
Firm Power	—	—	—	—	232,164	8,987,788
Total Power	—	—	—	—	232,164	8,987,788
Sikeston City of/May 31						
Firm Power	—	—	—	—	110,864	1,387,280
Nonfirm Power	—	—	8,635	195,662	8,708	197,208
Total Power	—	—	8,635	195,662	119,572	1,584,488
Springfield City of/Sep 30						
Firm Power	—	—	—	—	454,560	9,349,000
Nonfirm Power	750	13,000	21,890	486,000	267,073	3,724,000
Total Power	750	13,000	21,890	486,000	721,633	13,073,000
Nebraska						
Beatrice City of/Aug 31						
Firm Power	—	—	—	—	141,680	4,923,345
Total Power	—	—	—	—	141,680	4,923,345
Fremont City of/Jul 31						
Nonfirm Power	—	—	—	—	68,684	1,034,510
Total Power	—	—	—	—	68,684	1,034,510
Grand Island City of/Jul 31						
Firm Power	—	—	—	—	34,820	432,838
Nonfirm Power	—	—	—	—	20,758	354,741
Total Power	—	—	—	—	55,578	787,579
Hastings City of/Dec 31						
Nonfirm Power	—	—	—	—	59,395	1,039,173
Total Power	—	—	—	—	59,395	1,039,173
Lincoln Electric System/Dec 31						
Firm Power	—	—	—	—	1,437,098	48,757,386
Nonfirm Power	444,875	6,794,692	3,652	51,974	589,024	8,976,208
Total Power	444,875	6,794,692	3,652	51,974	2,026,122	57,733,594
North Platte City of/Jul 31						
Firm Power	—	—	—	—	225,459	7,591,656
Total Power	—	—	—	—	225,459	7,591,656
New Jersey						
Vineland City of/Jun 30						
Firm Power	—	—	22,208	1,951,293	232,110	14,059,860
Nonfirm Power	—	—	—	—	21,071	475,382
Total Power	—	—	22,208	1,951,293	253,181	14,535,242
New Mexico						
Farmington City of/Jun 30						
Firm Power	—	—	—	—	107,345	2,449,974
Nonfirm Power	650	15,425	5,435	123,856	31,908	783,171
Other Power	—	—	—	—	602	—
Total Power	650	15,425	5,435	123,856	139,855	3,233,145
Gallup City of/Jun 30						
Firm Power	—	—	—	—	182,354	8,373,584
Total Power	—	—	—	—	182,354	8,373,584
Los Alamos County/Jun 30						
Firm Power	—	—	72,767	2,202,859	185,602	8,319,315
Nonfirm Power	5,294	121,463	—	38	23,782	535,589
Total Power	5,294	121,463	72,767	2,202,897	209,384	8,854,904
New York						
Fairport Village of/May 31						
Firm Power	—	—	—	—	378,490	6,670,257
Total Power	—	—	—	—	378,490	6,670,257
Freeport Village of Inc/Feb 28						
Nonfirm Power	—	—	—	—	226,645	4,976,589
Total Power	—	—	—	—	226,645	4,976,589

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
New York						
Jamestown City of/Dec 31						
Firm Power.....	—	—	—	—	461,767	5,571,828
Total Power.....	—	—	—	—	461,767	5,571,828
Lake Placid Village Inc/Aug 30						
Firm Power.....	—	—	—	—	139,362	2,228,197
Total Power.....	—	—	—	—	139,362	2,228,197
Massena Town of/Dec 31						
Firm Power.....	13,607	506,785	—	—	138,335	1,334,299
Nonfirm Power.....	—	152,796	—	—	—	—
Total Power.....	13,607	659,581	—	—	138,335	1,334,299
Plattsburgh City of/Dec 31						
Firm Power.....	—	—	—	—	539,409	5,737,820
Total Power.....	—	—	—	—	539,409	5,737,820
Rockville Centre Village of/May 31						
Nonfirm Power.....	—	—	—	—	163,903	3,740,736
Total Power.....	—	—	—	—	163,903	3,740,736
Solvay Village of/May 31						
Nonfirm Power.....	—	—	—	—	153,874	2,003,013
Total Power.....	—	—	—	—	153,874	2,003,013
North Carolina						
Albemarle City of/Jun 30						
Firm Power.....	—	—	—	—	—	—
Total Power.....	—	—	—	—	—	—
Concord City of/Dec 31						
Firm Power.....	421,899	19,003,691	3,163	288,971	—	—
Total Power.....	421,899	19,003,691	3,163	288,971	—	—
Elizabeth City City of/Jun 30						
Firm Power.....	—	—	2,606	107,326	—	—
Total Power.....	—	—	2,606	107,326	—	—
Fayetteville Public Works Comm/Jun 30						
Firm Power.....	1,433,127	65,594,764	4,061	236,797	—	—
Total Power.....	1,433,127	65,594,764	4,061	236,797	—	—
Forest City Town of/Jun 30						
Firm Power.....	149,697	6,090,252	1,112	98,527	—	—
Total Power.....	149,697	6,090,252	1,112	98,527	—	—
Gastonia City of/Jun 30						
Firm Power.....	—	—	6,129	559,927	—	—
Total Power.....	—	—	6,129	559,927	—	—
Greenville Utilities Comm/Jun 30						
Firm Power.....	—	—	—	—	—	—
Total Power.....	—	—	—	—	—	—
High Point Town of/Jun 30						
Firm Power.....	—	—	—	—	—	—
Total Power.....	—	—	—	—	—	—
Kinston City of/Jun 30						
Firm Power.....	—	—	996	63,933	—	—
Total Power.....	—	—	996	63,933	—	—
Lexington City of/Jun 30						
Firm Power.....	—	—	—	—	—	—
Total Power.....	—	—	—	—	—	—
Lumberton City of/Jun 30						
Firm Power.....	—	—	669	39,024	—	—
Total Power.....	—	—	669	39,024	—	—
Monroe City of/Jun 30						
Firm Power.....	—	—	2,953	314,307	—	—
Total Power.....	—	—	2,953	314,307	—	—
Morganton City of/Jun 30						
Firm Power.....	—	—	13,361	458,698	—	—
Total Power.....	—	—	13,361	458,698	—	—
Murphy City of/Jun 30						
Firm Power.....	—	—	133,887	5,584,479	—	—
Total Power.....	—	—	133,887	5,584,479	—	—
New Bern City of/Jun 30						
Firm Power.....	—	—	901	52,656	—	—
Total Power.....	—	—	901	52,656	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
New York						
Jamestown City of/Dec 31						
Firm Power.....	—	—	—	—	461,767	5,571,828
Total Power.....	—	—	—	—	461,767	5,571,828
Lake Placid Village Inc/Aug 30						
Firm Power.....	—	—	—	—	139,362	2,228,197
Total Power.....	—	—	—	—	139,362	2,228,197
Massena Town of/Dec 31						
Firm Power.....	—	—	—	—	151,942	1,841,084
Nonfirm Power.....	—	—	—	—	—	152,796
Total Power.....	—	—	—	—	151,942	1,993,880
Plattsburgh City of/Dec 31						
Firm Power.....	—	—	—	—	539,409	5,737,820
Total Power.....	—	—	—	—	539,409	5,737,820
Rockville Centre Village of/May 31						
Nonfirm Power.....	—	—	—	—	163,903	3,740,736
Total Power.....	—	—	—	—	163,903	3,740,736
Solvay Village of/May 31						
Nonfirm Power.....	—	—	—	—	153,874	2,003,013
Total Power.....	—	—	—	—	153,874	2,003,013
North Carolina						
Albemarle City of/June 30						
Firm Power.....	—	—	277,113	15,484,212	277,113	15,484,212
Total Power.....	—	—	277,113	15,484,212	277,113	15,484,212
Concord City of/Dec 31						
Firm Power.....	—	—	—	—	425,062	19,292,662
Total Power.....	—	—	—	—	425,062	19,292,662
Elizabeth City City of/June 30						
Firm Power.....	—	—	251,352	18,021,570	253,958	18,128,896
Total Power.....	—	—	251,352	18,021,570	253,958	18,128,896
Fayetteville Public Works Comm/June 30						
Firm Power.....	—	—	—	—	1,437,188	65,831,561
Total Power.....	—	—	—	—	1,437,188	65,831,561
Forest City Town of/June 30						
Firm Power.....	—	—	—	—	150,809	6,188,779
Total Power.....	—	—	—	—	150,809	6,188,779
Gastonia City of/June 30						
Firm Power.....	—	—	624,427	30,472,815	630,556	31,032,742
Total Power.....	—	—	624,427	30,472,815	630,556	31,032,742
Greenville Utilities Comm/June 30						
Firm Power.....	—	—	1,189,000	77,727,220	1,189,000	77,727,220
Total Power.....	—	—	1,189,000	77,727,220	1,189,000	77,727,220
High Point Town of/June 30						
Firm Power.....	—	—	864,313	47,308,601	864,313	47,308,601
Total Power.....	—	—	864,313	47,308,601	864,313	47,308,601
Kinston City of/June 30						
Firm Power.....	—	—	459,454	30,505,422	460,450	30,569,355
Total Power.....	—	—	459,454	30,505,422	460,450	30,569,355
Lexington City of/June 30						
Firm Power.....	—	—	464,713	26,820,844	464,713	26,820,844
Total Power.....	—	—	464,713	26,820,844	464,713	26,820,844
Lumberton City of/June 30						
Firm Power.....	—	—	283,365	19,434,282	284,034	19,473,306
Total Power.....	—	—	283,365	19,434,282	284,034	19,473,306
Monroe City of/June 30						
Firm Power.....	—	—	427,856	21,076,440	430,809	21,390,747
Total Power.....	—	—	427,856	21,076,440	430,809	21,390,747
Morganton City of/June 30						
Firm Power.....	—	—	287,444	14,312,803	300,805	14,771,501
Total Power.....	—	—	287,444	14,312,803	300,805	14,771,501
Murphy City of/June 30						
Firm Power.....	—	—	—	—	133,887	5,584,479
Total Power.....	—	—	—	—	133,887	5,584,479
New Bern City of/June 30						
Firm Power.....	—	—	381,492	27,192,229	382,393	27,244,885
Total Power.....	—	—	381,492	27,192,229	382,393	27,244,885

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
North Carolina						
North Carolina Eastern M P A/Dec 31						
Firm Power	1,971,704	107,480,000	—	—	195,258	12,728,000
Nonfirm Power	—	11,000	—	—	—	—
Total Power	1,971,704	107,491,000	—	—	195,258	12,728,000
North Carolina Mun Power Agny/Dec 31						
Firm Power	2,377,098	117,822,000	—	—	—	—
Total Power	2,377,098	117,822,000	—	—	—	—
Rocky Mount City of/ Jun 30						
Firm Power	—	—	—	110,664	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	110,664	—	—
Shelby City of/ Jun 30						
Firm Power	—	—	2,248	206,561	—	—
Total Power	—	—	2,248	206,561	—	—
Statesville City of/ Jun 30						
Firm Power	—	—	3,724	340,292	—	—
Total Power	—	—	3,724	340,292	—	—
Tarboro Town of/ Jun 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Washington City of/ Jun 30						
Firm Power	—	—	2,022	117,868	—	—
Total Power	—	—	2,022	117,868	—	—
Wilson City of/ Jun 30						
Firm Power	—	—	2,206	128,608	—	—
Total Power	—	—	2,206	128,608	—	—
Ohio						
American Mun Power-Ohio Inc/Dec 31						
Firm Power	2,897,344	98,351,426	—	—	534,459	3,738,611
Nonfirm Power	—	1,779,129	—	—	—	—
Total Power	2,897,344	100,130,555	—	—	534,459	3,738,611
Bowling Green City of/ Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Bryan City of/ Sep 30						
Nonfirm Power	196,347	6,600,896	—	—	5,399	98,070
Total Power	196,347	6,600,896	—	—	5,399	98,070
Celina City of/ Dec 31						
Firm Power	149,189	5,930,484	—	—	—	—
Total Power	149,189	5,930,484	—	—	—	—
Cleveland City of/ Jun 30						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Clyde City of/ Dec 31						
Firm Power	136,059	4,381,227	—	—	—	—
Total Power	136,059	4,381,227	—	—	—	—
Columbus City of/ Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	489	75,128	—	—	—	—
Total Power	489	75,128	—	—	—	—
Cuyahoga Falls City of/ Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Dover City of/ Jun 30						
Firm Power	53,529	1,279,349	—	—	9,327	430,719
Total Power	53,529	1,279,349	—	—	9,327	430,719
Hamilton City of/ Dec 31						
Firm Power	41,087	3,717,436	—	—	—	—
Nonfirm Power	560	56,000	—	—	—	—
Total Power	41,647	3,773,436	—	—	—	—
Napoleon City of/ Dec 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Niles City of						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
North Carolina						
North Carolina Eastern M P A/Dec 31						
Firm Power	—	—	—	—	2,166,962	120,208,000
Nonfirm Power	—	—	—	—	—	11,000
Total Power	—	—	—	—	2,166,962	120,219,000
North Carolina Mun Power Agny/Dec 31						
Firm Power	—	—	—	—	2,377,098	117,822,000
Total Power	—	—	—	—	2,377,098	117,822,000
Rocky Mount City of/Jan 30						
Firm Power	—	—	802,296	52,492,952	802,296	52,603,616
Nonfirm Power	—	—	—	258,326	—	258,326
Total Power	—	—	802,296	52,751,278	802,296	52,861,942
Shelby City of/Jan 30						
Firm Power	—	—	177,427	8,929,976	179,675	9,136,537
Total Power	—	—	177,427	8,929,976	179,675	9,136,537
Statesville City of/Jan 30						
Firm Power	—	—	396,942	20,414,167	400,666	20,754,459
Total Power	—	—	396,942	20,414,167	400,666	20,754,459
Tarboro Town of/Jan 30						
Firm Power	—	—	244,843	18,422,919	244,843	18,422,919
Total Power	—	—	244,843	18,422,919	244,843	18,422,919
Washington City of/Jan 30						
Firm Power	—	—	250,448	17,365,063	252,470	17,482,931
Total Power	—	—	250,448	17,365,063	252,470	17,482,931
Wilson City of/Jan 30						
Firm Power	—	—	1,032,698	68,549,425	1,034,904	68,678,033
Total Power	—	—	1,032,698	68,549,425	1,034,904	68,678,033
Ohio						
American Mun Power-Ohio Inc/Dec 31						
Firm Power	79,663	2,462,701	345,701	8,553,621	3,857,167	113,106,359
Nonfirm Power	—	—	—	1,280,120	—	3,059,249
Total Power	79,663	2,462,701	345,701	9,833,741	3,857,167	116,165,608
Bowling Green City of/Dec 31						
Firm Power	—	—	311,652	13,770,093	311,652	13,770,093
Total Power	—	—	311,652	13,770,093	311,652	13,770,093
Bryan City of/Sep 30						
Nonfirm Power	—	—	8,050	94,486	209,796	6,793,452
Total Power	—	—	8,050	94,486	209,796	6,793,452
Celina City of/Dec 31						
Firm Power	—	—	8,561	170,491	157,750	6,100,975
Total Power	—	—	8,561	170,491	157,750	6,100,975
Cleveland City of/Jan 30						
Nonfirm Power	—	—	1,237,552	38,941,865	1,237,552	38,941,865
Total Power	—	—	1,237,552	38,941,865	1,237,552	38,941,865
Clyde City of/Dec 31						
Firm Power	—	—	—	—	136,059	4,381,227
Total Power	—	—	—	—	136,059	4,381,227
Columbus City of/Dec 31						
Firm Power	—	—	664,907	19,867,670	664,907	19,867,670
Nonfirm Power	—	—	—	—	489	75,128
Total Power	—	—	664,907	19,867,670	665,396	19,942,798
Cuyahoga Falls City of/Dec 31						
Firm Power	—	—	332,286	13,648,963	332,286	13,648,963
Total Power	—	—	332,286	13,648,963	332,286	13,648,963
Dover City of/Jan 30						
Firm Power	—	—	54,636	2,284,931	117,492	3,994,999
Total Power	—	—	54,636	2,284,931	117,492	3,994,999
Hamilton City of/Dec 31						
Firm Power	139,937	2,844,211	—	—	181,024	6,561,647
Nonfirm Power	—	—	—	—	560	56,000
Total Power	139,937	2,844,211	—	—	181,584	6,617,647
Napoleon City of/Dec 31						
Nonfirm Power	—	—	151,574	5,832,162	151,574	5,832,162
Total Power	—	—	151,574	5,832,162	151,574	5,832,162
Niles City of						
Firm Power	—	—	271,200	11,146,895	271,200	11,146,895
Total Power	—	—	271,200	11,146,895	271,200	11,146,895

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Ohio						
Orrville City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Painesville City of/Dec 31						
Firm Power	12,108	621,500	—	—	—	—
Total Power	12,108	621,500	—	—	—	—
Piqua City of/Dec 31						
Firm Power	230,756	6,361,341	—	—	16,329	378,155
Total Power	230,756	6,361,341	—	—	16,329	378,155
St Marys City of/Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Wadsworth City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Wapakoneta City of/Dec 31						
Nonfirm Power	146,529	5,324,997	—	—	—	—
Total Power	146,529	5,324,997	—	—	—	—
Westerville City of/Dec 31						
Firm Power	337,975	10,556,678	—	—	10,927	238,902
Total Power	337,975	10,556,678	—	—	10,927	238,902
Oklahoma						
Altus City of/June 30						
Firm Power	—	—	—	—	161,078	6,840,122
Total Power	—	—	—	—	161,078	6,840,122
Claremore City of/June 30						
Firm Power	—	—	—	—	223,205	7,413,184
Total Power	—	—	—	—	223,205	7,413,184
Duncan City of/June 30						
Firm Power	—	—	95,798	1,548,984	58,130	3,160,374
Total Power	—	—	95,798	1,548,984	58,130	3,160,374
Edmond City of/June 30						
Firm Power	—	—	—	—	503,049	21,991,839
Total Power	—	—	—	—	503,049	21,991,839
Miami City of/June 30						
Firm Power	—	—	—	—	148,766	4,852,978
Total Power	—	—	—	—	148,766	4,852,978
Ponca City of/June 30						
Firm Power	—	—	—	—	309,050	13,593,160
Nonfirm Power	—	—	—	—	—	-1,694,168
Total Power	—	—	—	—	309,050	11,898,992
Stillwater Utilities Authority/June 30						
Firm Power	—	—	—	—	385,546	10,873,457
Nonfirm Power	—	—	—	—	38,222	1,129,041
Total Power	—	—	—	—	423,768	12,002,498
Oregon						
Ashland City of/June 30						
Firm Power	—	—	161,041	4,595,888	—	—
Total Power	—	—	161,041	4,595,888	—	—
Eugene City of/Dec 31						
Firm Power	360	586,850	1,994,831	49,684,097	—	—
Nonfirm Power	40,225	1,162,329	—	—	160,213	1,078,523
Total Power	40,585	1,749,179	1,994,831	49,684,097	160,213	1,078,523
Forest Grove City of/June 30						
Firm Power	—	—	168,046	4,199,422	43,399	-783,260
Total Power	—	—	168,046	4,199,422	43,399	-783,260
McMinnville City of/June 30						
Firm Power	—	—	612,560	17,223,383	43,681	300,064
Total Power	—	—	612,560	17,223,383	43,681	300,064
Springfield City of/Sep 30						
Firm Power	—	—	824,851	22,767,765	—	—
Total Power	—	—	824,851	22,767,765	—	—
Pennsylvania						
Chambersburg Borough of/Dec 31						
Firm Power	247,125	9,293,634	—	—	—	—
Total Power	247,125	9,293,634	—	—	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Ohio						
Orrville City of/Dec 31						
Firm Power	—	—	35,125	1,668,400	35,125	1,668,400
Total Power	—	—	35,125	1,668,400	35,125	1,668,400
Painesville City of/Dec 31						
Firm Power	—	—	17,669	545,806	29,777	1,167,306
Total Power	—	—	17,669	545,806	29,777	1,167,306
Piqua City of/Dec 31						
Firm Power	—	—	—	—	247,085	6,739,496
Total Power	—	—	—	—	247,085	6,739,496
St Marys City of/Dec 31						
Firm Power	—	—	131,745	3,328,750	131,745	3,328,750
Nonfirm Power	—	—	3,456	131,900	3,456	131,900
Total Power	—	—	135,201	3,460,650	135,201	3,460,650
Wadsworth City of/Dec 31						
Firm Power	—	—	221,904	8,585,383	221,904	8,585,383
Total Power	—	—	221,904	8,585,383	221,904	8,585,383
Wapakoneta City of/Dec 31						
Nonfirm Power	—	—	6,404	134,528	152,933	5,459,525
Total Power	—	—	6,404	134,528	152,933	5,459,525
Westerville City of/Dec 31						
Firm Power	—	—	—	—	348,902	10,795,580
Total Power	—	—	—	—	348,902	10,795,580
Oklahoma						
Altus City of/June 30						
Firm Power	—	—	—	—	161,078	6,840,122
Total Power	—	—	—	—	161,078	6,840,122
Claremore City of/June 30						
Firm Power	—	—	—	—	223,205	7,413,184
Total Power	—	—	—	—	223,205	7,413,184
Duncan City of/June 30						
Firm Power	—	—	—	—	153,928	4,709,358
Total Power	—	—	—	—	153,928	4,709,358
Edmond City of/June 30						
Firm Power	—	—	—	—	503,049	21,991,839
Total Power	—	—	—	—	503,049	21,991,839
Miami City of/June 30						
Firm Power	—	—	—	—	148,766	4,852,978
Total Power	—	—	—	—	148,766	4,852,978
Ponca City of/June 30						
Firm Power	—	—	—	—	309,050	13,593,160
Nonfirm Power	—	—	—	—	—	-1,694,168
Total Power	—	—	—	—	309,050	11,898,992
Stillwater Utilities Authority/June 30						
Firm Power	—	—	—	—	385,546	10,873,457
Nonfirm Power	—	—	—	—	38,222	1,129,041
Total Power	—	—	—	—	423,768	12,002,498
Oregon						
Ashland City of/June 30						
Firm Power	—	—	—	—	161,041	4,595,888
Total Power	—	—	—	—	161,041	4,595,888
Eugene City of/Dec 31						
Firm Power	—	—	—	—	1,995,191	50,270,947
Nonfirm Power	—	—	197,685	1,765,066	398,123	4,005,918
Total Power	—	—	197,685	1,765,066	2,393,314	54,276,865
Forest Grove City of/June 30						
Firm Power	—	—	7,326	1,710,476	218,771	5,126,638
Total Power	—	—	7,326	1,710,476	218,771	5,126,638
McMinnville City of/June 30						
Firm Power	—	—	9,835	24,650	666,076	17,548,097
Total Power	—	—	9,835	24,650	666,076	17,548,097
Springfield City of/Sep 30						
Firm Power	—	—	—	—	824,851	22,767,765
Total Power	—	—	—	—	824,851	22,767,765
Pennsylvania						
Chambersburg Borough of/Dec 31						
Firm Power	—	—	—	—	247,125	9,293,634
Total Power	—	—	—	—	247,125	9,293,634

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Pennsylvania						
Lansdale Borough of/Dec 31						
Firm Power	135,153	5,792,658	—	—	—	—
Total Power	135,153	5,792,658	—	—	—	—
South Carolina						
Camden City of/June 30						
Firm Power	166,429	8,514,750	—	—	—	—
Total Power	166,429	8,514,750	—	—	—	—
Easley Combined Utility System/Mar 31						
Firm Power	—	—	14,845	444,575	—	—
Total Power	—	—	14,845	444,575	—	—
Gaffney City of/Mar 31						
Firm Power	—	—	12,037	360,486	—	—
Total Power	—	—	12,037	360,486	—	—
Greenwood Commissioners-Pub Wk/Dec 31						
Firm Power	—	—	22,730	601,300	—	—
Nonfirm Power	215,659	9,728,697	—	—	—	—
Total Power	215,659	9,728,697	22,730	601,300	—	—
Greer Comm of Public Works/Dec 31						
Firm Power	—	—	18,639	493,061	—	—
Total Power	—	—	18,639	493,061	—	—
Newberry City of/June 30						
Firm Power	—	—	1,242	114,873	—	—
Total Power	—	—	1,242	114,873	—	—
Orangeburg City of/Sep 30						
Firm Power	745,004	27,505,724	10,900	694,291	—	—
Total Power	745,004	27,505,724	10,900	694,291	—	—
Piedmont Municipal Power Agny/Dec 31						
Firm Power	869,223	38,000,000	—	—	—	—
Total Power	869,223	38,000,000	—	—	—	—
Rock Hill City of/Dec 31						
Firm Power	—	—	37,703	997,410	—	—
Total Power	—	—	37,703	997,410	—	—
Seneca City of/June 30						
Firm Power	142,485	6,337,949	1,031	94,244	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	142,485	6,337,949	1,031	94,244	—	—
South Dakota						
Brookings City of/Dec 31						
Firm Power	—	—	101,082	1,358,284	89,944	3,513,385
Total Power	—	—	101,082	1,358,284	89,944	3,513,385
Pierre City of/Dec 31						
Firm Power	—	—	117,251	1,679,839	53,705	2,226,708
Total Power	—	—	117,251	1,679,839	53,705	2,226,708
Watertown Municipal Utilities/Dec 31						
Firm Power	—	—	123,314	1,684,870	110,603	4,374,011
Total Power	—	—	123,314	1,684,870	110,603	4,374,011
Tennessee						
Alcoa Utilities/June 30						
Firm Power	—	—	469,814	20,627,792	—	—
Total Power	—	—	469,814	20,627,792	—	—
Athens City of/Dec 31						
Firm Power	—	—	548,955	21,965,477	—	—
Total Power	—	—	548,955	21,965,477	—	—
Benton County/June 30						
Firm Power	—	—	234,614	9,992,453	—	—
Total Power	—	—	234,614	9,992,453	—	—
Bolivar City of/June 30						
Firm Power	—	—	233,926	10,313,126	—	—
Total Power	—	—	233,926	10,313,126	—	—
Bristol City of/June 30						
Firm Power	—	—	818,447	35,068,499	—	—
Total Power	—	—	818,447	35,068,499	—	—
Brownsville City of/June 30						
Firm Power	—	—	195,948	8,603,018	—	—
Total Power	—	—	195,948	8,603,018	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Pennsylvania						
Lansdale Borough of/Dec 31						
Firm Power	—	—	8,820	154,781	143,973	5,947,439
Total Power	—	—	8,820	154,781	143,973	5,947,439
South Carolina						
Camden City of/June 30						
Firm Power	—	—	—	—	166,429	8,514,750
Total Power	—	—	—	—	166,429	8,514,750
Easley Combined Utility System/Mar 31						
Firm Power	—	—	212,346	10,640,456	227,191	11,085,031
Total Power	—	—	212,346	10,640,456	227,191	11,085,031
Gaffney City of/Mar 31						
Firm Power	—	—	183,116	7,381,935	195,153	7,742,421
Total Power	—	—	183,116	7,381,935	195,153	7,742,421
Greenwood Commissioners-Pub Wk/Dec 31						
Firm Power	—	—	—	—	22,730	601,300
Nonfirm Power	—	—	—	—	215,659	9,728,697
Total Power	—	—	—	—	238,389	10,329,997
Greer Comm of Public Works/Dec 31						
Firm Power	—	—	149,949	7,731,693	168,588	8,224,754
Total Power	—	—	149,949	7,731,693	168,588	8,224,754
Newberry City of/June 30						
Firm Power	—	—	146,732	7,560,121	147,974	7,674,994
Total Power	—	—	146,732	7,560,121	147,974	7,674,994
Orangeburg City of/Sep 30						
Firm Power	—	—	—	—	755,904	28,200,015
Total Power	—	—	—	—	755,904	28,200,015
Piedmont Municipal Power Agny/Dec 31						
Firm Power	—	—	135,686	8,645,000	1,004,909	46,645,000
Total Power	—	—	135,686	8,645,000	1,004,909	46,645,000
Rock Hill City of/Dec 31						
Firm Power	—	—	477,148	24,781,568	514,851	25,778,978
Total Power	—	—	477,148	24,781,568	514,851	25,778,978
Seneca City of/June 30						
Firm Power	—	—	—	—	143,516	6,432,193
Nonfirm Power	—	—	2,593	87,304	2,593	87,304
Total Power	—	—	2,593	87,304	146,109	6,519,497
South Dakota						
Brookings City of/Dec 31						
Firm Power	—	—	—	—	191,026	4,871,669
Total Power	—	—	—	—	191,026	4,871,669
Pierre City of/Dec 31						
Firm Power	—	—	—	—	170,956	3,906,547
Total Power	—	—	—	—	170,956	3,906,547
Watertown Municipal Utilities/Dec 31						
Firm Power	—	—	—	—	233,917	6,058,881
Total Power	—	—	—	—	233,917	6,058,881
Tennessee						
Alcoa Utilities/June 30						
Firm Power	—	—	—	—	469,814	20,627,792
Total Power	—	—	—	—	469,814	20,627,792
Athens City of/Dec 31						
Firm Power	—	—	—	—	548,955	21,965,477
Total Power	—	—	—	—	548,955	21,965,477
Benton County/June 30						
Firm Power	—	—	—	—	234,614	9,992,453
Total Power	—	—	—	—	234,614	9,992,453
Bolivar City of/June 30						
Firm Power	—	—	—	—	233,926	10,313,126
Total Power	—	—	—	—	233,926	10,313,126
Bristol City of/June 30						
Firm Power	—	—	—	—	818,447	35,068,499
Total Power	—	—	—	—	818,447	35,068,499
Brownsville City of/June 30						
Firm Power	—	—	—	—	195,948	8,603,018
Total Power	—	—	—	—	195,948	8,603,018

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Tennessee						
Carroll County/Jun 30						
Firm Power	—	—	399,848	17,296,157	—	—
Total Power	—	—	399,848	17,296,157	—	—
Chattanooga City of/Jun 30						
Firm Power	—	—	5,803,243	243,038,957	—	—
Total Power	—	—	5,803,243	243,038,957	—	—
Clarksville City of/Jun 30						
Firm Power	—	—	898,227	39,416,211	—	—
Total Power	—	—	898,227	39,416,211	—	—
Cleveland City of/Jun 30						
Firm Power	—	—	944,680	40,034,472	—	—
Total Power	—	—	944,680	40,034,472	—	—
Clinton City of/Jun 30						
Firm Power	—	—	651,506	28,390,945	—	—
Total Power	—	—	651,506	28,390,945	—	—
Columbia City of/Jun 30						
Firm Power	—	—	540,173	23,962,138	—	—
Total Power	—	—	540,173	23,962,138	—	—
Cookeville City of/Jun 30						
Firm Power	—	—	492,668	21,931,228	—	—
Total Power	—	—	492,668	21,931,228	—	—
Covington Electric System/Jun 30						
Firm Power	—	—	211,076	9,165,606	—	—
Total Power	—	—	211,076	9,165,606	—	—
Dayton City of/Jun 30						
Firm Power	—	—	205,086	9,149,191	—	—
Total Power	—	—	205,086	9,149,191	—	—
Dickson City of/Jun 30						
Firm Power	—	—	628,308	27,528,115	—	—
Total Power	—	—	628,308	27,528,115	—	—
Dyersburg Electric System/Jun 30						
Firm Power	—	—	632,731	24,411,704	—	—
Total Power	—	—	632,731	24,411,704	—	—
Elizabethton City of/Jun 30						
Firm Power	—	—	518,218	22,611,356	—	—
Total Power	—	—	518,218	22,611,356	—	—
Erwin Town of/Jun 30						
Firm Power	—	—	216,137	9,136,356	—	—
Total Power	—	—	216,137	9,136,356	—	—
Etowah City of/Jun 30						
Firm Power	—	—	153,607	6,254,839	—	—
Total Power	—	—	153,607	6,254,839	—	—
Fayetteville City of/Jun 30						
Firm Power	—	—	381,045	16,745,376	—	—
Total Power	—	—	381,045	16,745,376	—	—
Gallatin City of/Jun 30						
Firm Power	—	—	482,256	20,538,565	—	—
Total Power	—	—	482,256	20,538,565	—	—
Greeneville City of/Jun 30						
Firm Power	—	—	952,754	39,463,991	—	—
Total Power	—	—	952,754	39,463,991	—	—
Harriman City of/Jun 30						
Firm Power	—	—	330,057	13,167,701	—	—
Total Power	—	—	330,057	13,167,701	—	—
Humboldt City of/Jun 30						
Firm Power	—	—	231,256	9,849,051	—	—
Total Power	—	—	231,256	9,849,051	—	—
Jackson City of/Jun 30						
Firm Power	—	—	1,254,746	52,793,190	—	—
Total Power	—	—	1,254,746	52,793,190	—	—
Johnson City of/Jun 30						
Firm Power	—	—	1,643,723	71,643,131	—	—
Total Power	—	—	1,643,723	71,643,131	—	—
Knoxville Utilities Board/Jun 30						
Firm Power	—	—	5,111,872	217,315,744	—	—
Total Power	—	—	5,111,872	217,315,744	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Tennessee						
Carroll County/Jun 30						
Firm Power	—	—	—	—	399,848	17,296,157
Total Power	—	—	—	—	399,848	17,296,157
Chattanooga City of/Jun 30						
Firm Power	—	—	—	—	5,803,243	243,038,957
Total Power	—	—	—	—	5,803,243	243,038,957
Clarksville City of/Jun 30						
Firm Power	—	—	—	61,783	898,227	39,477,994
Total Power	—	—	—	61,783	898,227	39,477,994
Cleveland City of/Jun 30						
Firm Power	—	—	—	—	944,680	40,034,472
Total Power	—	—	—	—	944,680	40,034,472
Clinton City of/Jun 30						
Firm Power	—	—	—	—	651,506	28,390,945
Total Power	—	—	—	—	651,506	28,390,945
Columbia City of/Jun 30						
Firm Power	—	—	—	—	540,173	23,962,138
Total Power	—	—	—	—	540,173	23,962,138
Cookeville City of/Jun 30						
Firm Power	—	—	—	—	492,668	21,931,228
Total Power	—	—	—	—	492,668	21,931,228
Covington Electric System/Jun 30						
Firm Power	—	—	—	—	211,076	9,165,606
Total Power	—	—	—	—	211,076	9,165,606
Dayton City of/Jun 30						
Firm Power	—	—	—	—	205,086	9,149,191
Total Power	—	—	—	—	205,086	9,149,191
Dickson City of/Jun 30						
Firm Power	—	—	—	—	628,308	27,528,115
Total Power	—	—	—	—	628,308	27,528,115
Dyersburg Electric System/Jun 30						
Firm Power	—	—	—	—	632,731	24,411,704
Total Power	—	—	—	—	632,731	24,411,704
Elizabethton City of/Jun 30						
Firm Power	—	—	—	—	518,218	22,611,356
Total Power	—	—	—	—	518,218	22,611,356
Erwin Town of/Jun 30						
Firm Power	—	—	—	—	216,137	9,136,356
Total Power	—	—	—	—	216,137	9,136,356
Etowah City of/Jun 30						
Firm Power	—	—	—	—	153,607	6,254,839
Total Power	—	—	—	—	153,607	6,254,839
Fayetteville City of/Jun 30						
Firm Power	—	—	—	—	381,045	16,745,376
Total Power	—	—	—	—	381,045	16,745,376
Gallatin City of/Jun 30						
Firm Power	—	—	—	—	482,256	20,538,565
Total Power	—	—	—	—	482,256	20,538,565
Greeneville City of/Jun 30						
Firm Power	—	—	—	—	952,754	39,463,991
Total Power	—	—	—	—	952,754	39,463,991
Harriman City of/Jun 30						
Firm Power	—	—	—	—	330,057	13,167,701
Total Power	—	—	—	—	330,057	13,167,701
Humboldt City of/Jun 30						
Firm Power	—	—	—	—	231,256	9,849,051
Total Power	—	—	—	—	231,256	9,849,051
Jackson City of/Jun 30						
Firm Power	—	—	—	—	1,254,746	52,793,190
Total Power	—	—	—	—	1,254,746	52,793,190
Johnson City City of/Jun 30						
Firm Power	—	—	—	—	1,643,723	71,643,131
Total Power	—	—	—	—	1,643,723	71,643,131
Knoxville Utilities Board/Jun 30						
Firm Power	—	—	15,938	371,514	5,127,810	217,687,258
Total Power	—	—	15,938	371,514	5,127,810	217,687,258

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Tennessee						
Lawrenceburg City of/Jun 30						
Firm Power	—	—	490,286	20,777,784	—	—
Total Power	—	—	490,286	20,777,784	—	—
LaFollette City of/Jun 30						
Firm Power	—	—	362,157	16,205,856	—	—
Total Power	—	—	362,157	16,205,856	—	—
Lebanon City of/Jun 30						
Firm Power	—	—	362,200	15,864,871	—	—
Total Power	—	—	362,200	15,864,871	—	—
Lenoir City City of/Jun 30						
Firm Power	—	—	1,109,012	48,886,413	—	—
Total Power	—	—	1,109,012	48,886,413	—	—
Lewisburg City of/Jun 30						
Firm Power	—	—	289,141	12,324,240	—	—
Total Power	—	—	289,141	12,324,240	—	—
Lexington City of/Jun 30						
Firm Power	—	—	415,025	18,257,131	—	—
Total Power	—	—	415,025	18,257,131	—	—
Loudon City of/Jun 30						
Firm Power	—	—	295,931	11,499,838	—	—
Total Power	—	—	295,931	11,499,838	—	—
Maryville Utilities/Jun 30						
Firm Power	—	—	565,476	23,368,460	—	—
Total Power	—	—	565,476	23,368,460	—	—
McMinnville Electric System/Jun 30						
Firm Power	—	—	230,530	10,054,245	—	—
Total Power	—	—	230,530	10,054,245	—	—
Memphis City of/Jun 30						
Firm Power	—	—	12,542,420	533,220,521	—	—
Total Power	—	—	12,542,420	533,220,521	—	—
Milan City of/Jun 30						
Firm Power	—	—	229,116	10,392,926	—	—
Total Power	—	—	229,116	10,392,926	—	—
Morristown City of/Jun 30						
Firm Power	—	—	694,678	29,052,677	—	—
Total Power	—	—	694,678	29,052,677	—	—
Murfreesboro City of/Jun 30						
Firm Power	—	—	921,069	39,340,807	—	—
Total Power	—	—	921,069	39,340,807	—	—
Nashville Electric Service/Jun 30						
Firm Power	—	—	11,000,362	468,982,855	—	—
Total Power	—	—	11,000,362	468,982,855	—	—
Newport City of/Jun 30						
Firm Power	—	—	431,792	18,487,095	—	—
Total Power	—	—	431,792	18,487,095	—	—
Oak Ridge City of/Jun 30						
Firm Power	—	—	498,655	21,347,622	—	—
Total Power	—	—	498,655	21,347,622	—	—
Paris City of/Jun 30						
Firm Power	—	—	460,257	20,127,552	—	—
Total Power	—	—	460,257	20,127,552	—	—
Pulaski City of/Jun 30						
Firm Power	—	—	424,273	17,876,250	—	—
Total Power	—	—	424,273	17,876,250	—	—
Ripley City of/Jun 30						
Firm Power	—	—	245,305	10,749,261	—	—
Total Power	—	—	245,305	10,749,261	—	—
Rockwood City of/Jun 30						
Firm Power	—	—	296,090	13,027,012	—	—
Total Power	—	—	296,090	13,027,012	—	—
Sevier County Electric System/Jun 30						
Firm Power	—	—	956,965	42,671,803	—	—
Total Power	—	—	956,965	42,671,803	—	—
Shelbyville City of/Jun 30						
Firm Power	—	—	335,768	14,898,709	—	—
Total Power	—	—	335,768	14,898,709	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Tennessee						
Lawrenceburg City of/Jun 30						
Firm Power	—	—	—	—	490,286	20,777,784
Total Power	—	—	—	—	490,286	20,777,784
LaFollette City of/Jun 30						
Firm Power	—	—	—	—	362,157	16,205,856
Total Power	—	—	—	—	362,157	16,205,856
Lebanon City of/Jun 30						
Firm Power	—	—	—	—	362,200	15,864,871
Total Power	—	—	—	—	362,200	15,864,871
Lenoir City of/Jun 30						
Firm Power	—	—	—	—	1,109,012	48,886,413
Total Power	—	—	—	—	1,109,012	48,886,413
Lewisburg City of/Jun 30						
Firm Power	—	—	—	—	289,141	12,324,240
Total Power	—	—	—	—	289,141	12,324,240
Lexington City of/Jun 30						
Firm Power	—	—	—	—	415,025	18,257,131
Total Power	—	—	—	—	415,025	18,257,131
Loudon City of/Jun 30						
Firm Power	—	—	—	—	295,931	11,499,838
Total Power	—	—	—	—	295,931	11,499,838
Maryville Utilities/Jun 30						
Firm Power	—	—	—	—	565,476	23,368,460
Total Power	—	—	—	—	565,476	23,368,460
McMinnville Electric System/Jun 30						
Firm Power	—	—	—	—	230,530	10,054,245
Total Power	—	—	—	—	230,530	10,054,245
Memphis City of/Jun 30						
Firm Power	—	—	—	—	12,542,420	533,220,521
Total Power	—	—	—	—	12,542,420	533,220,521
Milan City of/Jun 30						
Firm Power	—	—	—	—	229,116	10,392,926
Total Power	—	—	—	—	229,116	10,392,926
Morristown City of/Jun 30						
Firm Power	—	—	—	—	694,678	29,052,677
Total Power	—	—	—	—	694,678	29,052,677
Murfreesboro City of/Jun 30						
Firm Power	—	—	—	—	921,069	39,340,807
Total Power	—	—	—	—	921,069	39,340,807
Nashville Electric Service/Jun 30						
Firm Power	—	—	—	—	11,000,362	468,982,855
Total Power	—	—	—	—	11,000,362	468,982,855
Newport City of/Jun 30						
Firm Power	—	—	—	—	431,792	18,487,095
Total Power	—	—	—	—	431,792	18,487,095
Oak Ridge City of/Jun 30						
Firm Power	—	—	—	—	498,655	21,347,622
Total Power	—	—	—	—	498,655	21,347,622
Paris City of/Jun 30						
Firm Power	—	—	—	—	460,257	20,127,552
Total Power	—	—	—	—	460,257	20,127,552
Pulaski City of/Jun 30						
Firm Power	—	—	—	—	424,273	17,876,250
Total Power	—	—	—	—	424,273	17,876,250
Ripley City of/Jun 30						
Firm Power	—	—	—	—	245,305	10,749,261
Total Power	—	—	—	—	245,305	10,749,261
Rockwood City of/Jun 30						
Firm Power	—	—	—	—	296,090	13,027,012
Total Power	—	—	—	—	296,090	13,027,012
Sevier County Electric System/Jun 30						
Firm Power	—	—	275	9,474	957,240	42,681,277
Total Power	—	—	275	9,474	957,240	42,681,277
Shelbyville City of/Jun 30						
Firm Power	—	—	—	—	335,768	14,898,709
Total Power	—	—	—	—	335,768	14,898,709

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Tennessee						
Springfield City of/Sep 30						
Firm Power	—	—	211,106	8,961,026	—	—
Total Power	—	—	211,106	8,961,026	—	—
Sweetwater City of/Jun 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Tullahoma Board of Pub Utils/Jun 30						
Firm Power	—	—	280,928	12,469,134	—	—
Total Power	—	—	280,928	12,469,134	—	—
Union City City of/Jun 30						
Firm Power	—	—	358,733	13,509,089	—	—
Total Power	—	—	358,733	13,509,089	—	—
Weakley County Mun Elec Sys/Jun 30						
Firm Power	—	—	495,662	21,875,106	—	—
Total Power	—	—	495,662	21,875,106	—	—
Texas						
Austin City of/Sep 30						
Firm Power	—	24,936	—	—	—	1,375
Nonfirm Power	528,453	11,467,332	—	—	24,020	532,599
Total Power	528,453	11,492,268	—	—	24,020	533,974
Brenham City of/Sep 30						
Firm Power	—	—	—	—	259,084	9,990,002
Total Power	—	—	—	—	259,084	9,990,002
Brownsville Public Utils Board/Sep 30						
Firm Power	86,316	3,327,833	—	—	—	—
Nonfirm Power	106,423	2,175,413	—	—	9,728	219,106
Other Power	—	—	—	—	—	—
Total Power	192,739	5,503,246	—	—	9,728	219,106
Bryan City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
College Station City of/Sep 30						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Denton City of/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Floresville City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Garland City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Georgetown City of/Sep 30						
Firm Power	—	—	—	—	189,550	8,017,589
Total Power	—	—	—	—	189,550	8,017,589
Greenville City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Kerrville Public Utility Board/Sep 30						
Firm Power	—	—	—	—	371,101	15,766,860
Total Power	—	—	—	—	371,101	15,766,860
Lubbock City of/Sep 30						
Firm Power	328,310	9,821,806	—	—	—	—
Nonfirm Power	159,422	4,468,282	—	—	—	—
Total Power	487,732	14,290,088	—	—	—	—
New Braunfels City of/Jul 31						
Firm Power	—	—	—	—	787,188	30,009,044
Total Power	—	—	—	—	787,188	30,009,044
San Antonio City of/Jan 31						
Firm Power	—	24,937	—	—	—	150
Nonfirm Power	189,192	4,143,096	—	—	12,081	289,522
Total Power	189,192	4,168,033	—	—	12,081	289,672

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Tennessee						
Springfield City of/Sep 30						
Firm Power	—	—	—	—	211,106	8,961,026
Total Power	—	—	—	—	211,106	8,961,026
Sweetwater City of/Jun 30						
Firm Power	—	—	198,469	8,647,309	198,469	8,647,309
Total Power	—	—	198,469	8,647,309	198,469	8,647,309
Tullahoma Board of Pub Utils/Jun 30						
Firm Power	—	—	—	—	280,928	12,469,134
Total Power	—	—	—	—	280,928	12,469,134
Union City City of/Jun 30						
Firm Power	—	—	—	—	358,733	13,509,089
Total Power	—	—	—	—	358,733	13,509,089
Weakley County Mun Elec Sys/Jun 30						
Firm Power	—	—	—	—	495,662	21,875,106
Total Power	—	—	—	—	495,662	21,875,106
Texas						
Austin City of/Sep 30						
Firm Power	—	—	—	—	—	26,311
Nonfirm Power	62,439	1,112,533	23,545	1,938,308	638,457	15,050,772
Total Power	62,439	1,112,533	23,545	1,938,308	638,457	15,077,083
Brenham City of/Sep 30						
Firm Power	—	—	—	—	259,084	9,990,002
Total Power	—	—	—	—	259,084	9,990,002
Brownsville Public Utils Board/Sep 30						
Firm Power	—	—	—	—	86,316	3,327,833
Nonfirm Power	5,193	129,960	1,746	44,556	123,090	2,569,035
Other Power	—	—	2,305	—	2,305	—
Total Power	5,193	129,960	4,051	44,556	211,711	5,896,868
Bryan City of/Sep 30						
Firm Power	—	—	—	23,824,215	—	23,824,215
Nonfirm Power	—	—	656,962	9,279,948	656,962	9,279,948
Total Power	—	—	656,962	33,104,163	656,962	33,104,163
College Station City of/Sep 30						
Nonfirm Power	—	—	484,449	22,693,021	484,449	22,693,021
Total Power	—	—	484,449	22,693,021	484,449	22,693,021
Denton City of/Sep 30						
Firm Power	—	—	759,021	35,150,979	759,021	35,150,979
Total Power	—	—	759,021	35,150,979	759,021	35,150,979
Floresville City of/Dec 31						
Firm Power	—	—	157,657	6,266,268	157,657	6,266,268
Total Power	—	—	157,657	6,266,268	157,657	6,266,268
Garland City of/Sep 30						
Firm Power	—	—	1,312,889	68,847,696	1,312,889	68,847,696
Nonfirm Power	—	—	104,243	2,297,508	104,243	2,297,508
Total Power	—	—	1,417,132	71,145,204	1,417,132	71,145,204
Georgetown City of/Sep 30						
Firm Power	—	—	—	—	189,550	8,017,589
Total Power	—	—	—	—	189,550	8,017,589
Greenville City of/Sep 30						
Firm Power	—	—	251,403	13,180,328	251,403	13,180,328
Nonfirm Power	13,130	300,200	166,657	3,844,446	179,787	4,144,646
Total Power	13,130	300,200	418,060	17,024,774	431,190	17,324,974
Kerrville Public Utility Board/Sep 30						
Firm Power	—	—	—	—	371,101	15,766,860
Total Power	—	—	—	—	371,101	15,766,860
Lubbock City of/Sep 30						
Firm Power	—	—	—	—	328,310	9,821,806
Nonfirm Power	—	—	—	—	159,422	4,468,282
Total Power	—	—	—	—	487,732	14,290,088
New Braunfels City of/Jul 31						
Firm Power	—	—	—	—	787,188	30,009,044
Total Power	—	—	—	—	787,188	30,009,044
San Antonio City of/Jan 31						
Firm Power	—	—	—	788	—	25,875
Nonfirm Power	40,662	557,928	85,147	963,817	327,082	5,954,363
Total Power	40,662	557,928	85,147	964,605	327,082	5,980,238

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Texas						
San Marcos City of/Sep 30						
Firm Power	—	—	—	—	366,670	14,493,244
Total Power	—	—	—	—	366,670	14,493,244
Seguin City of/Sep 30						
Firm Power	—	—	—	—	205,732	8,181,413
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	205,732	8,181,413
Weatherford Mun Utility System						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Utah						
Bountiful City City of/Jun 30						
Firm Power	23,893	714,183	157,477	3,021,462	30,491	931,480
Total Power	23,893	714,183	157,477	3,021,462	30,491	931,480
Intermountain Power Agency/Jun 30						
Nonfirm Power	280	8,760,000	—	—	—	—
Total Power	280	8,760,000	—	—	—	—
Logan City of/Jun 30						
Firm Power	—	—	—	—	127,666	5,386,711
Nonfirm Power	—	—	—	—	40,315	1,020,197
Total Power	—	—	—	—	167,981	6,406,908
Murray City of/Jun 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	165,968	7,049,740
Total Power	—	—	—	—	165,968	7,049,740
Provo City Corp/Jun 30						
Firm Power	—	—	—	—	569,637	22,718,956
Total Power	—	—	—	—	569,637	22,718,956
St George City of/Jun 30						
Nonfirm Power	—	—	—	—	244,575	10,177,634
Total Power	—	—	—	—	244,575	10,177,634
Vermont						
Burlington City of						
Firm Power	127,638	6,372,903	—	—	21,628	298,421
Nonfirm Power	7,568	702,525	—	—	—	—
Total Power	135,206	7,075,428	—	—	21,628	298,421
Virginia						
Bedford City of/Jun 30						
Firm Power	200,858	7,572,597	894	63,446	—	—
Total Power	200,858	7,572,597	894	63,446	—	—
Bristo Utilities Board/Jun 30						
Firm Power	—	—	553,029	22,287,272	—	—
Total Power	—	—	553,029	22,287,272	—	—
Danville City of/Jun 30						
Firm Power	838,398	30,165,746	4,170	296,081	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	838,398	30,165,746	4,170	296,081	—	—
Harrisonburg City of/Jun 30						
Firm Power	534,895	23,155,763	1,973	138,809	—	—
Total Power	534,895	23,155,763	1,973	138,809	—	—
Manassas City of/Jun 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Martinsville City of/Jun 30						
Firm Power	213,153	7,491,857	1,191	84,595	—	—
Total Power	213,153	7,491,857	1,191	84,595	—	—
Radford City of/Jun 30						
Nonfirm Power	300,101	10,572,175	—	—	—	—
Total Power	300,101	10,572,175	—	—	—	—
Salem City of/Jun 30						
Firm Power	348,852	12,504,841	1,638	116,318	—	—
Total Power	348,852	12,504,841	1,638	116,318	—	—
Washington						
Centralia City of/Dec 31						
Firm Power	—	—	172,826	5,215,286	—	—
Total Power	—	—	172,826	5,215,286	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Texas						
San Marcos City of/Sep 30						
Firm Power	—	—	—	—	366,670	14,493,244
Total Power	—	—	—	—	366,670	14,493,244
Seguin City of/Sep 30						
Firm Power	—	—	—	—	205,732	8,181,413
Nonfirm Power	—	—	—	-57,888	—	-57,888
Total Power	—	—	—	-57,888	205,732	8,123,525
Weatherford Mun Utility System						
Firm Power	47,413	2,390,176	179,150	5,619,541	226,563	8,009,717
Total Power	47,413	2,390,176	179,150	5,619,541	226,563	8,009,717
Utah						
Bountiful City City of/Jun 30						
Firm Power	—	—	—	—	211,861	4,667,125
Total Power	—	—	—	—	211,861	4,667,125
Intermountain Power Agency/Jun 30						
Nonfirm Power	—	—	—	—	280	8,760,000
Total Power	—	—	—	—	280	8,760,000
Logan City of/Jun 30						
Firm Power	—	—	103,286	2,110,110	230,952	7,496,821
Nonfirm Power	—	—	—	—	40,315	1,020,197
Total Power	—	—	103,286	2,110,110	271,267	8,517,018
Murray City of/Jun 30						
Firm Power	—	—	131,199	2,542,500	131,199	2,542,500
Nonfirm Power	—	—	—	—	165,968	7,049,740
Total Power	—	—	131,199	2,542,500	297,167	9,592,240
Provo City Corp/Jun 30						
Firm Power	—	—	—	—	569,637	22,718,956
Total Power	—	—	—	—	569,637	22,718,956
St George City of/Jun 30						
Nonfirm Power	—	—	100,726	1,967,981	345,301	12,145,615
Total Power	—	—	100,726	1,967,981	345,301	12,145,615
Vermont						
Burlington City of						
Firm Power	—	—	197,912	6,862,048	347,178	13,533,372
Nonfirm Power	—	—	10,960	512,275	18,528	1,214,800
Total Power	—	—	208,872	7,374,323	365,706	14,748,172
Virginia						
Bedford City of/Jun 30						
Firm Power	—	—	—	—	201,752	7,636,043
Total Power	—	—	—	—	201,752	7,636,043
Bristo Utilities Board/Jun 30						
Firm Power	—	—	—	—	553,029	22,287,272
Total Power	—	—	—	—	553,029	22,287,272
Danville City of/Jun 30						
Firm Power	—	—	—	—	842,568	30,461,827
Nonfirm Power	—	—	—	26,400	—	26,400
Total Power	—	—	—	26,400	842,568	30,488,227
Harrisonburg City of/Jun 30						
Firm Power	—	—	—	—	536,868	23,294,572
Total Power	—	—	—	—	536,868	23,294,572
Manassas City of/Jun 30						
Firm Power	—	—	287,780	11,466,484	287,780	11,466,484
Total Power	—	—	287,780	11,466,484	287,780	11,466,484
Martinsville City of/Jun 30						
Firm Power	—	—	—	—	214,344	7,576,452
Total Power	—	—	—	—	214,344	7,576,452
Radford City of/Jun 30						
Nonfirm Power	—	—	—	—	300,101	10,572,175
Total Power	—	—	—	—	300,101	10,572,175
Salem City of/Jun 30						
Firm Power	—	—	—	—	350,490	12,621,159
Total Power	—	—	—	—	350,490	12,621,159
Washington						
Centralia City of/Dec 31						
Firm Power	—	—	—	—	172,826	5,215,286
Total Power	—	—	—	—	172,826	5,215,286

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Washington						
Ellensburg City of/Dec 31						
Firm Power	—	—	167,462	4,727,833	—	—
Total Power	—	—	167,462	4,727,833	—	—
Port Angeles City of/Dec 31						
Firm Power	—	—	639,165	17,535,353	—	—
Total Power	—	—	639,165	17,535,353	—	—
Richland City of/Dec 30						
Firm Power	—	—	627,962	18,287,253	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	627,962	18,287,253	—	—
Seattle City of/Dec 31						
Nonfirm Power	233,166	4,123,526	2,444,736	52,901,932	595,078	2,502,027
Other Power	28,656	—	78,025	—	-26,212	—
Total Power	261,822	4,123,526	2,522,761	52,901,932	568,866	2,502,027
Tacoma City of/Dec 31						
Firm Power	—	—	2,224,782	56,378,852	—	—
Nonfirm Power	61,565	1,177,316	293,706	9,286,509	291,835	1,931,670
Total Power	61,565	1,177,316	2,518,488	65,665,361	291,835	1,931,670
Wisconsin						
Jefferson City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Kaukauna City of/Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Manitowoc Public Utilities/Dec 31						
Firm Power	92,759	3,129,602	—	—	—	—
Nonfirm Power	135,922	2,563,790	—	—	—	—
Total Power	228,681	5,693,392	—	—	—	—
Marshfield City of/Dec 31						
Firm Power	320,870	9,379,153	—	—	—	—
Total Power	320,870	9,379,153	—	—	—	—
Menasha City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
New London City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Oconomowoc City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Plymouth City of/Dec 31						
Firm Power	165,360	5,513,164	—	—	—	—
Total Power	165,360	5,513,164	—	—	—	—
Reedsburg Utility Comm/Dec 30						
Firm Power	184,888	6,307,924	—	—	—	—
Total Power	184,888	6,307,924	—	—	—	—
Shawano Municipal Utilities/Dec31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Sheboygan Falls City of/Dec 31						
Firm Power	197,596	6,293,728	—	—	—	—
Total Power	197,596	6,293,728	—	—	—	—
Sturgeon Bay Combined Utils						
Firm Power	132,813	5,102,450	—	—	—	—
Total Power	132,813	5,102,450	—	—	—	—
Sun Prairie Water & Light Comm						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Wisconsin Public Power Inc Sys/Dec 31						
Firm Power	1,539,502	60,254,095	—	—	—	—
Nonfirm Power	757,381	12,000,758	1,250	17,618	1,258	14,405
Total Power	2,296,883	72,254,853	1,250	17,618	1,258	14,405
Wisconsin Rapids W W & L Comm						
Firm Power	207,942	6,840,105	—	—	—	—
Total Power	207,942	6,840,105	—	—	—	—

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Washington						
Ellensburg City of/Dec 31						
Firm Power	—	—	—	—	167,462	4,727,833
Total Power	—	—	—	—	167,462	4,727,833
Port Angeles City of/Dec 31						
Firm Power	—	—	11,886	17,913	651,051	17,553,266
Total Power	—	—	11,886	17,913	651,051	17,553,266
Richland City of/Dec 30						
Firm Power	—	—	—	—	627,962	18,287,253
Nonfirm Power	—	—	19,378	20,406	19,378	20,406
Total Power	—	—	19,378	20,406	647,340	18,307,659
Seattle City of/Dec 31						
Nonfirm Power	—	—	514,235	29,598,846	3,787,215	89,126,331
Other Power	—	—	-5,163	—	75,306	—
Total Power	—	—	509,072	29,598,846	3,862,521	89,126,331
Tacoma City of/Dec 31						
Firm Power	—	—	—	—	2,224,782	56,378,852
Nonfirm Power	—	—	324,247	736,460	971,353	13,131,955
Total Power	—	—	324,247	736,460	3,196,135	69,510,807
Wisconsin						
Jefferson City of/Dec 31						
Firm Power	—	—	137,818	5,133,597	137,818	5,133,597
Total Power	—	—	137,818	5,133,597	137,818	5,133,597
Kaukauna City of/Dec 31						
Firm Power	—	—	518,988	17,636,127	518,988	17,636,127
Nonfirm Power	—	—	2,634	26,567	2,634	26,567
Total Power	—	—	521,622	17,662,694	521,622	17,662,694
Manitowoc Public Utilities/Dec 31						
Firm Power	—	—	—	—	92,759	3,129,602
Nonfirm Power	—	—	—	—	135,922	2,563,790
Total Power	—	—	—	—	228,681	5,693,392
Marshfield City of/Dec 31						
Firm Power	—	—	—	—	320,870	9,379,153
Total Power	—	—	—	—	320,870	9,379,153
Menasha City of/Dec 31						
Firm Power	—	—	546,900	18,645,899	546,900	18,645,899
Total Power	—	—	546,900	18,645,899	546,900	18,645,899
New London City of/Dec 31						
Firm Power	—	—	166,473	6,379,116	166,473	6,379,116
Total Power	—	—	166,473	6,379,116	166,473	6,379,116
Oconomowoc City of/Dec 31						
Firm Power	—	—	170,235	6,396,890	170,235	6,396,890
Total Power	—	—	170,235	6,396,890	170,235	6,396,890
Plymouth City of/Dec 31						
Firm Power	—	—	—	—	165,360	5,513,164
Total Power	—	—	—	—	165,360	5,513,164
Reedsburg Utility Comm/Dec 30						
Firm Power	—	—	—	—	184,888	6,307,924
Total Power	—	—	—	—	184,888	6,307,924
Shawano Municipal Utilities/Dec31						
Firm Power	192,042	7,251,169	—	—	192,042	7,251,169
Total Power	192,042	7,251,169	—	—	192,042	7,251,169
Sheboygan Falls City of/Dec 31						
Firm Power	—	—	—	—	197,596	6,293,728
Total Power	—	—	—	—	197,596	6,293,728
Sturgeon Bay Combined Utils						
Firm Power	—	—	—	—	132,813	5,102,450
Total Power	—	—	—	—	132,813	5,102,450
Sun Prairie Water & Light Comm						
Firm Power	—	—	157,180	6,005,389	157,180	6,005,389
Total Power	—	—	157,180	6,005,389	157,180	6,005,389
Wisconsin Public Power Inc Sys/Dec 31						
Firm Power	—	—	4,491	2,936,073	1,543,993	63,190,168
Nonfirm Power	5,115	68,532	2,125	43,206	767,129	12,144,519
Total Power	5,115	68,532	6,616	2,979,279	2,311,122	75,334,687
Wisconsin Rapids W W & L Comm						
Firm Power	—	—	—	—	207,942	6,840,105
Total Power	—	—	—	—	207,942	6,840,105

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Wyoming						
Gillette City of Jun 30						
Firm Power	152,153	7,590,515	26,827	410,338	—	—
Nonfirm Power	—	—	—	—	1,005	36,180
Total Power	152,153	7,590,515	26,827	410,338	1,005	36,180

See notes and footnotes at end of table.

Table 29. Electricity Purchases by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Source of Electricity					
	Cooperative		Other ¹		Total	
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Wyoming						
Gillette City of Jun 30						
Firm Power	—	—	—	—	178,980	8,000,853
Nonfirm Power	—	—	—	—	1,005	36,180
Total Power	—	—	—	—	179,985	8,037,033

¹ Includes transactions with municipal utilities, power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •For identification purposes, the municipal utilities are listed in the State in which the municipality is located. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities," except where footnoted.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Alabama						
Alabama Municipal Elec Auth/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Alaska						
Anchorage City of/Dec 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Arizona						
Mesa City of/Jun 30						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Arkansas						
Jonesboro City of/Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
California						
Anaheim City of/Jun 30						
Nonfirm Power	717,917	13,836,000	429	13,000	6,884	147,000
Total Power	717,917	13,836,000	429	13,000	6,884	147,000
Azusa City of/Jun 30						
Firm Power	120,130	2,944,834	—	—	—	—
Total Power	120,130	2,944,834	—	—	—	—
Burbank City of/Jun 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	1,553	29,066	—	—	2,232	41,376
Total Power	1,553	29,066	—	—	2,232	41,376
Glendale City of/Jun 30						
Nonfirm Power	38,086	731,534	76	114,020	—	—
Total Power	38,086	731,534	76	114,020	—	—
Los Angeles City of/Jun 30						
Firm Power	77,888	3,738,533	—	—	—	—
Nonfirm Power	373,250	8,407,605	130,931	2,946,304	62,516	1,268,970
Total Power	451,138	12,146,138	130,931	2,946,304	62,516	1,268,970
Metropolitan Water Dist/Jun 30						
Nonfirm Power	136,213	6,789,634	—	—	153,367	6,995,452
Total Power	136,213	6,789,634	—	—	153,367	6,995,452
Pasadena City of/Jun 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	16,509	288,768	—	—	—	—
Total Power	16,509	288,768	—	—	—	—
Redding City of/Jun 30						
Nonfirm Power	—	—	81,234	2,571,375	—	—
Total Power	—	—	81,234	2,571,375	—	—
Riverside City of/Jun 30						
Nonfirm Power	107,384	2,185,472	—	—	—	—
Total Power	107,384	2,185,472	—	—	—	—
San Francisco City & County of/Jun 30						
Firm Power	—	—	—	—	526,558	19,066,888
Nonfirm Power	—	—	120,373	2,059,110	181,904	3,364,011
Total Power	—	—	120,373	2,059,110	708,462	22,430,899
Santa Clara City of/Jun 30						
Nonfirm Power	—	—	—	—	30,815	851,859
Total Power	—	—	—	—	30,815	851,859
Turlock Irrigation Dist/Dec 31						
Firm Power	—	144,900	—	—	—	69
Nonfirm Power	512	13,952	122,987	3,318,365	13,595	325,533
Total Power	512	158,852	122,987	3,318,365	13,595	325,602
Colorado						
Colorado Springs City of/Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	43,174	1,056,848	895	19,300	—	—
Total Power	43,174	1,056,848	895	19,300	—	—
Connecticut						
Mun Electric Engy Coop/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Alabama						
Alabama Municipal Elec Auth/Sep 30						
Firm Power	—	—	2,416,058	98,065,809	2,416,058	98,065,809
Total Power	—	—	2,416,058	98,065,809	2,416,058	98,065,809
Alaska						
Anchorage City of/Dec 31						
Nonfirm Power	1,124	23,072	25,845	577,655	26,969	600,727
Total Power	1,124	23,072	25,845	577,655	26,969	600,727
Arizona						
Mesa City of/Jun 30						
Nonfirm Power	—	—	701	17,000	701	17,000
Total Power	—	—	701	17,000	701	17,000
Arkansas						
Jonesboro City of/Dec 31						
Firm Power	—	—	40,310	1,061,426	40,310	1,061,426
Nonfirm Power	—	—	31,870	629,011	31,870	629,011
Total Power	—	—	72,180	1,690,437	72,180	1,690,437
California						
Anaheim City of/Jun 30						
Nonfirm Power	246	5,000	7,818	149,000	733,294	14,150,000
Total Power	246	5,000	7,818	149,000	733,294	14,150,000
Azusa City of/Jun 30						
Firm Power	—	—	—	—	120,130	2,944,834
Total Power	—	—	—	—	120,130	2,944,834
Burbank City of/Jun 30						
Firm Power	—	—	—	382,097	—	382,097
Nonfirm Power	—	—	1,074	16,887	4,859	87,329
Total Power	—	—	1,074	398,984	4,859	469,426
Glendale City of/Jun 30						
Nonfirm Power	—	—	236	3,928	38,398	849,482
Total Power	—	—	236	3,928	38,398	849,482
Los Angeles City of/Jun 30						
Firm Power	—	—	25,409	4,592,684	103,297	8,331,217
Nonfirm Power	1,207	23,536	85,179	2,385,187	653,083	15,031,602
Total Power	1,207	23,536	110,588	6,977,871	756,380	23,362,819
Metropolitan Water Dist/Jun 30						
Nonfirm Power	—	—	—	—	289,580	13,785,086
Total Power	—	—	—	—	289,580	13,785,086
Pasadena City of/Jun 30						
Firm Power	—	—	10,809	3,489,550	10,809	3,489,550
Nonfirm Power	—	—	7,184	125,860	23,693	414,628
Total Power	—	—	17,993	3,615,410	34,502	3,904,178
Redding City of/Jun 30						
Nonfirm Power	—	—	3,290	54,285	84,524	2,625,660
Total Power	—	—	3,290	54,285	84,524	2,625,660
Riverside City of/Jun 30						
Nonfirm Power	—	—	—	—	107,384	2,185,472
Total Power	—	—	—	—	107,384	2,185,472
San Francisco City & County of/Jun 30						
Firm Power	—	—	271,853	7,870,912	798,411	26,937,800
Nonfirm Power	—	—	264,510	10,970,161	566,787	16,393,282
Total Power	—	—	536,363	18,841,073	1,365,198	43,331,082
Santa Clara City of/Jun 30						
Nonfirm Power	—	—	4,585	129,355	35,400	981,214
Total Power	—	—	4,585	129,355	35,400	981,214
Turlock Irrigation Dist/Dec 31						
Firm Power	—	—	—	28,000	—	172,969
Nonfirm Power	—	—	144,008	3,435,601	281,102	7,093,451
Total Power	—	—	144,008	3,463,601	281,102	7,266,420
Colorado						
Colorado Springs City of/Dec 31						
Firm Power	—	—	136,960	4,784,839	136,960	4,784,839
Nonfirm Power	15	353	—	—	44,084	1,076,501
Total Power	15	353	136,960	4,784,839	181,044	5,861,340
Connecticut						
Mun Electric Engy Coop/Dec 31						
Firm Power	—	—	1,101,556	60,438,088	1,101,556	60,438,088
Total Power	—	—	1,101,556	60,438,088	1,101,556	60,438,088

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Connecticut						
Groton City of/Jun 30						
Firm Power	5,605	400,189	—	—	—	—
Total Power	5,605	400,189	—	—	—	—
Delaware						
Dover City of/Jun 30						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Florida						
Florida Municipal Power Agency/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	219,304	2,538,000	—	—	—	—
Total Power	219,304	2,538,000	—	—	—	—
Fort Pierce Utilities Au/Sep 30						
Nonfirm Power	953	32,214	—	—	—	—
Total Power	953	32,214	—	—	—	—
Gainesville Regional Utilities/Sep 30						
Firm Power	66,167	1,943,403	—	—	—	—
Nonfirm Power	69,809	1,588,080	—	—	—	—
Total Power	135,976	3,531,483	—	—	—	—
Homestead City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	336	13,873	—	—	—	—
Total Power	336	13,873	—	—	—	—
Jacksonville Elec Auth/Sep 30						
Firm Power	294,692	15,602,861	—	—	—	—
Nonfirm Power	75,725	2,372,073	—	—	—	—
Total Power	370,417	17,974,934	—	—	—	—
Lake Worth City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	3,904	80,929	—	—	—	—
Total Power	3,904	80,929	—	—	—	—
Lakeland City of/Sep 30						
Nonfirm Power	571	22,720	—	—	—	—
Total Power	571	22,720	—	—	—	—
Orlando Utilities Comm/Sep 30						
Firm Power	129,360	4,737,616	—	—	—	—
Nonfirm Power	49,008	1,863,890	—	—	—	—
Total Power	178,368	6,601,506	—	—	—	—
Tallahassee City of/Sep 30						
Nonfirm Power	82,337	3,827,000	—	—	—	—
Other Power	—	—	—	—	—	—
Total Power	82,337	3,827,000	—	—	—	—
Vero Beach City of/Sep 30						
Nonfirm Power	4,505	109,740	—	—	—	—
Total Power	4,505	109,740	—	—	—	—
Georgia						
Dalton City of/Nov 30						
Firm Power	18,777	489,000	—	—	—	—
Total Power	18,777	489,000	—	—	—	—
Illinois						
Illinois Municipal Elec Agency/Apr 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Springfield City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	17,284	297,850	—	—	—	—
Total Power	17,284	297,850	—	—	—	—
Indiana						
Crawfordsville Elec Lgt&Pwr Co/Dec 31						
Firm Power	—	—	—	—	18,863	2,044,823
Total Power	—	—	—	—	18,863	2,044,823
Iowa						
Ames City of/Jun 30						
Nonfirm Power	2,036	28,368	—	—	—	—
Total Power	2,036	28,368	—	—	—	—

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Connecticut						
Groton City of/Jun 30						
Firm Power	—	—	—	—	5,605	400,189
Total Power	—	—	—	—	5,605	400,189
Delaware						
Dover City of/Jun 30						
Nonfirm Power	—	—	25,146	1,740,059	25,146	1,740,059
Total Power	—	—	25,146	1,740,059	25,146	1,740,059
Florida						
Florida Municipal Power Agency/Sep 30						
Firm Power	—	—	2,431,075	128,623,000	2,431,075	128,623,000
Nonfirm Power	—	—	509,652	34,345,000	728,956	36,883,000
Total Power	—	—	2,940,727	162,968,000	3,160,031	165,506,000
Fort Pierce Utilities Au/Sep 30						
Nonfirm Power	15	482	16,745	701,668	17,713	734,364
Total Power	15	482	16,745	701,668	17,713	734,364
Gainesville Regional Utilities/Sep 30						
Firm Power	43,837	2,283,986	102,920	4,660,173	212,924	8,887,562
Nonfirm Power	2,889	76,253	28,129	653,351	100,827	2,317,684
Total Power	46,726	2,360,239	131,049	5,313,524	313,751	11,205,246
Homestead City of/Sep 30						
Firm Power	—	—	1,265	238,700	1,265	238,700
Nonfirm Power	26	1,055	248	10,544	610	25,472
Total Power	26	1,055	1,513	249,244	1,875	264,172
Jacksonville Elec Auth/Sep 30						
Firm Power	14,113	973,433	—	311,607	308,805	16,887,901
Nonfirm Power	95,532	2,725,911	35,700	975,107	206,957	6,073,091
Total Power	109,645	3,699,344	35,700	1,286,714	515,762	22,960,992
Lake Worth City of/Sep 30						
Firm Power	—	—	1,228	791,993	1,228	791,993
Nonfirm Power	127	3,517	858	19,538	4,889	103,984
Total Power	127	3,517	2,086	811,531	6,117	895,977
Lakeland City of/Sep 30						
Nonfirm Power	—	—	8,166	307,789	8,737	330,509
Total Power	—	—	8,166	307,789	8,737	330,509
Orlando Utilities Comm/Sep 30						
Firm Power	—	—	280,761	12,096,252	410,121	16,833,868
Nonfirm Power	8,649	307,480	812,688	23,700,058	870,345	25,871,428
Total Power	8,649	307,480	1,093,449	35,796,310	1,280,466	42,705,296
Tallahassee City of/Sep 30						
Nonfirm Power	13,857	801,000	35,956	1,012,000	132,150	5,640,000
Other Power	—	—	27	—	27	—
Total Power	13,857	801,000	35,983	1,012,000	132,177	5,640,000
Vero Beach City of/Sep 30						
Nonfirm Power	408	10,170	104,756	2,297,216	109,669	2,417,126
Total Power	408	10,170	104,756	2,297,216	109,669	2,417,126
Georgia						
Dalton City of/Nov 30						
Firm Power	—	—	—	—	18,777	489,000
Total Power	—	—	—	—	18,777	489,000
Illinois						
Illinois Municipal Elec Agency/Apr 30						
Firm Power	—	—	1,368,064	63,748,008	1,368,064	63,748,008
Nonfirm Power	—	—	43,911	1,261,920	43,911	1,261,920
Total Power	—	—	1,411,975	65,009,928	1,411,975	65,009,928
Springfield City of/Sep 30						
Firm Power	—	—	241,826	6,204,449	241,826	6,204,449
Nonfirm Power	—	—	—	17,284	297,850	—
Total Power	—	—	241,826	6,204,449	259,110	6,502,299
Indiana						
Crawfordsville Elec Lgt&Pwr Co/Dec 31						
Firm Power	—	—	—	—	18,863	2,044,823
Total Power	—	—	—	—	18,863	2,044,823
Iowa						
Ames City of/Jun 30						
Nonfirm Power	—	—	—	—	2,036	28,368
Total Power	—	—	—	—	2,036	28,368

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Iowa						
Cedar Falls City of/Dec 31						
Nonfirm Power	12,028	270,707	—	—	—	—
Total Power	12,028	270,707	—	—	—	—
Muscatine City of/Dec 31						
Firm Power	—	661,031	—	—	—	—
Nonfirm Power	260,839	3,873,521	4,235	49,809	89,122	1,152,886
Total Power	260,839	4,534,552	4,235	49,809	89,122	1,152,886
Kansas						
McPherson City of/Dec 31						
Firm Power	5,567	1,863,845	—	—	—	—
Total Power	5,567	1,863,845	—	—	—	—
Winfield City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Kentucky						
Henderson City Utility Comm/May 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Owensboro City of/May 31						
Firm Power	1,628,824	21,722,670	—	—	—	—
Total Power	1,628,824	21,722,670	—	—	—	—
Louisiana						
Lafayette City of/Oct 31						
Firm Power	—	—	—	—	371,921	13,072,608
Nonfirm Power	104	2,897	—	—	—	—
Total Power	104	2,897	—	—	371,921	13,072,608
Lafayette Public Power Auth/Oct 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Terrebonne Parish Consol Gov t/Dec 31						
Nonfirm Power	—	—	—	—	113,201	1,468,805
Total Power	—	—	—	—	113,201	1,468,805
Massachusetts						
Braintree Town of/Dec 31						
Firm Power	38,030	1,832,807	—	—	—	—
Total Power	38,030	1,832,807	—	—	—	—
Chicopee City of/Dec 31						
Nonfirm Power	1,530	39,780	—	—	—	—
Total Power	1,530	39,780	—	—	—	—
Danvers Town of/Dec 31						
Nonfirm Power	—	—	—	—	3,819	86,162
Total Power	—	—	—	—	3,819	86,162
Hingham City of/Dec 31						
Firm Power	—	—	—	—	155	41,714
Nonfirm Power	1,550	46,183	—	—	—	—
Total Power	1,550	46,183	—	—	155	41,714
Holyoke City of/Dec 31						
Nonfirm Power	—	—	—	—	18,620	449,100
Total Power	—	—	—	—	18,620	449,100
Hudson Town of/Dec 31						
Firm Power	280	15,294	—	—	—	—
Total Power	280	15,294	—	—	—	—
Littleton Town of/Dec 31						
Nonfirm Power	9,107	217,395	—	—	1,479	61,139
Total Power	9,107	217,395	—	—	1,479	61,139
Mansfield Town of/Dec 31						
Firm Power	—	—	—	—	860	93,912
Total Power	—	—	—	—	860	93,912
Middleborough Town of/Dec 31						
Nonfirm Power	—	—	—	—	145	34,117
Total Power	—	—	—	—	145	34,117
North Attleborough Town of/Dec 31						
Firm Power	—	—	—	—	51	33,827
Total Power	—	—	—	—	51	33,827

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Iowa						
Cedar Falls City of/Dec 31						
Nonfirm Power	—	—	—	—	12,028	270,707
Total Power	—	—	—	—	12,028	270,707
Muscatine City of/Dec 31						
Firm Power	—	—	54,036	1,378,465	54,036	2,039,496
Nonfirm Power	7,164	97,571	2,700	36,637	364,060	5,210,424
Total Power	7,164	97,571	56,736	1,415,102	418,096	7,249,920
Kansas						
McPherson City of/Dec 31						
Firm Power	—	—	22,039	907,899	27,606	2,771,744
Total Power	—	—	22,039	907,899	27,606	2,771,744
Winfield City of/Dec 31						
Firm Power	—	—	4,958	260,578	4,958	260,578
Total Power	—	—	4,958	260,578	4,958	260,578
Kentucky						
Henderson City Utility Comm/May 31						
Nonfirm Power	1,557,208	12,082,282	—	—	1,557,208	12,082,282
Total Power	1,557,208	12,082,282	—	—	1,557,208	12,082,282
Owensboro City of/May 31						
Firm Power	—	—	—	—	1,628,824	21,722,670
Total Power	—	—	—	—	1,628,824	21,722,670
Louisiana						
Lafayette City of/Oct 31						
Firm Power	—	—	214,012	7,612,965	585,933	20,685,573
Nonfirm Power	—	—	2,324	57,446	2,428	60,343
Total Power	—	—	216,336	7,670,411	588,361	20,745,916
Lafayette Public Power Auth/Oct 31						
Nonfirm Power	—	—	1,450,104	48,218,849	1,450,104	48,218,849
Total Power	—	—	1,450,104	48,218,849	1,450,104	48,218,849
Terrebonne Parish Consol Gov t/Dec 31						
Nonfirm Power	—	—	—	—	113,201	1,468,805
Total Power	—	—	—	—	113,201	1,468,805
Massachusetts						
Braintree Town of/Dec 31						
Firm Power	—	—	6,126	591,199	44,156	2,424,006
Total Power	—	—	6,126	591,199	44,156	2,424,006
Chicopee City of/Dec 31						
Nonfirm Power	—	—	12,374	286,248	13,904	326,028
Total Power	—	—	12,374	286,248	13,904	326,028
Danvers Town of/Dec 31						
Nonfirm Power	—	—	—	—	3,819	86,162
Total Power	—	—	—	—	3,819	86,162
Hingham City of/Dec 31						
Firm Power	—	—	—	—	155	41,714
Nonfirm Power	—	—	—	—	1,550	46,183
Total Power	—	—	—	—	1,705	87,897
Holyoke City of/Dec 31						
Nonfirm Power	—	—	—	—	18,620	449,100
Total Power	—	—	—	—	18,620	449,100
Hudson Town of/Dec 31						
Firm Power	—	—	—	—	280	15,294
Total Power	—	—	—	—	280	15,294
Littleton Town of/Dec 31						
Nonfirm Power	—	—	—	—	10,586	278,534
Total Power	—	—	—	—	10,586	278,534
Mansfield Town of/Dec 31						
Firm Power	—	—	—	—	860	93,912
Total Power	—	—	—	—	860	93,912
Middleborough Town of/Dec 31						
Nonfirm Power	—	—	—	—	145	34,117
Total Power	—	—	—	—	145	34,117
North Attleborough Town of/Dec 31						
Firm Power	—	—	—	—	51	33,827
Total Power	—	—	—	—	51	33,827

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Massachusetts						
Reading Town of/Dec 31						
Nonfirm Power	227	22,474	—	—	—	—
Total Power	227	22,474	—	—	—	—
Shrewsbury Town of/Dec 31						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Taunton City of/Dec 31						
Firm Power	10,402	325,009	—	—	—	—
Total Power	10,402	325,009	—	—	—	—
Westfield City of/Dec 31						
Firm Power	—	—	—	—	10,825	715,981
Nonfirm Power	—	—	—	—	237	5,751
Total Power	—	—	—	—	11,062	721,732
Michigan						
Grand Haven City of/Jun 30						
Nonfirm Power	—	—	—	—	111,671	3,177,243
Total Power	—	—	—	—	111,671	3,177,243
Lansing City of/Jun 30						
Firm Power	—	—	—	—	299,558	8,559,084
Total Power	—	—	—	—	299,558	8,559,084
Marquette City of/Jun 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	3,222	118,865	—	—	—	—
Total Power	3,222	118,865	—	—	—	—
Traverse City City of/Jun 30						
Nonfirm Power	—	—	—	—	3,499	71,483
Total Power	—	—	—	—	3,499	71,483
Minnesota						
Austin City of/Sep 30						
Nonfirm Power	—	—	—	—	86,064	2,745,397
Total Power	—	—	—	—	86,064	2,745,397
Fairmont Public Utilities Comm/Dec 31						
Nonfirm Power	—	—	—	—	679	25,889
Total Power	—	—	—	—	679	25,889
Hutchinson Utilities Comm/Dec 31						
Nonfirm Power	586	10,462	—	—	78	870
Total Power	586	10,462	—	—	78	870
Rochester Public Utilities/Dec 31						
Firm Power	10,703	940,878	—	—	173,319	5,446,579
Nonfirm Power	3,066	82,949	—	—	3,847	123,181
Total Power	13,769	1,023,827	—	—	177,166	5,569,760
Western Minnesota Mun P Agny/Dec 31						
Firm Power	—	—	—	—	1,877,204	43,883,682
Total Power	—	—	—	—	1,877,204	43,883,682
Worthington Public Utilities/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Mississippi						
Clarksdale City of/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Greenwood Utilities Comm/Sep 30						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Municipal Energy Agency of MS/Sep 30						
Firm Power	—	—	—	—	106,829	3,864,812
Total Power	—	—	—	—	106,829	3,864,812
Missouri						
Carthage City of/Jun 30						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Columbia City of/Jun 30						
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Massachusetts						
Reading Town of/Dec 31						
Nonfirm Power	—	—	380	48,398	607	70,872
Total Power	—	—	380	48,398	607	70,872
Shrewsbury Town of/Dec 31						
Nonfirm Power	—	—	453	30,866	453	30,866
Total Power	—	—	453	30,866	453	30,866
Taunton City of/Dec 31						
Firm Power	—	—	19,292	2,304,744	29,694	2,629,753
Total Power	—	—	19,292	2,304,744	29,694	2,629,753
Westfield City of/Dec 31						
Firm Power	—	—	9,016	521,939	19,841	1,237,920
Nonfirm Power	—	—	—	—	237	5,751
Total Power	—	—	9,016	521,939	20,078	1,243,671
Michigan						
Grand Haven City of/Jun 30						
Nonfirm Power	—	—	—	—	111,671	3,177,243
Total Power	—	—	—	—	111,671	3,177,243
Lansing City of/Jun 30						
Firm Power	5,418	315,452	—	—	304,976	8,874,536
Total Power	5,418	315,452	—	—	304,976	8,874,536
Marquette City of/Jun 30						
Firm Power	11,164	674,966	—	—	11,164	674,966
Nonfirm Power	—	—	—	—	3,222	118,865
Total Power	11,164	674,966	—	—	14,386	793,831
Traverse City City of/Jun 30						
Nonfirm Power	—	—	—	—	3,499	71,483
Total Power	—	—	—	—	3,499	71,483
Minnesota						
Austin City of/Sep 30						
Nonfirm Power	—	—	—	—	86,064	2,745,397
Total Power	—	—	—	—	86,064	2,745,397
Fairmont Public Utilities Comm/Dec 31						
Nonfirm Power	—	—	—	—	679	25,889
Total Power	—	—	—	—	679	25,889
Hutchinson Utilities Comm/Dec 31						
Nonfirm Power	1	30	—	—	665	11,362
Total Power	1	30	—	—	665	11,362
Rochester Public Utilities/Dec 31						
Firm Power	—	—	—	—	184,022	6,387,457
Nonfirm Power	249	11,672	45	1,215	7,207	219,017
Total Power	249	11,672	45	1,215	191,229	6,606,474
Western Minnesota Mun P Agny/Dec 31						
Firm Power	—	—	—	—	1,877,204	43,883,682
Total Power	—	—	—	—	1,877,204	43,883,682
Worthington Public Utilities/Dec 31						
Firm Power	—	—	3,187	130,725	3,187	130,725
Total Power	—	—	3,187	130,725	3,187	130,725
Mississippi						
Clarksdale City of/Sep 30						
Firm Power	—	—	100,553	3,837,519	100,553	3,837,519
Total Power	—	—	100,553	3,837,519	100,553	3,837,519
Greenwood Utilities Comm/Sep 30						
Nonfirm Power	—	—	20,477	1,145,094	20,477	1,145,094
Total Power	—	—	20,477	1,145,094	20,477	1,145,094
Municipal Energy Agency of MS/Sep 30						
Firm Power	—	—	730,462	26,991,151	837,291	30,855,963
Total Power	—	—	730,462	26,991,151	837,291	30,855,963
Missouri						
Carthage City of/Jun 30						
Nonfirm Power	—	—	55	1,856	55	1,856
Total Power	—	—	55	1,856	55	1,856
Columbia City of/Jun 30						
Nonfirm Power	—	—	57	4,015	57	4,015
Total Power	—	—	57	4,015	57	4,015

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Missouri						
Independence City of/June 30						
Firm Power	—	973,000	—	—	—	—
Nonfirm Power	9,617	223,984	—	—	—	—
Total Power	9,617	1,196,984	—	—	—	—
Sikeston City of/May 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	7,723	136,382
Total Power	—	—	—	—	7,723	136,382
Springfield City of/September 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	72,105	1,440,000	—	—	1,585	58,000
Total Power	72,105	1,440,000	—	—	1,585	58,000
Nebraska						
Fremont City of/July 31						
Nonfirm Power	—	—	—	—	12,608	260,895
Total Power	—	—	—	—	12,608	260,895
Grand Island City of/July 31						
Nonfirm Power	—	—	—	—	76,378	1,018,229
Total Power	—	—	—	—	76,378	1,018,229
Hastings City of/December 31						
Nonfirm Power	—	—	—	—	175,175	1,696,497
Total Power	—	—	—	—	175,175	1,696,497
Lincoln Electric System/December 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	139,638	2,797,301	2,815	43,165	1,848	39,926
Total Power	139,638	2,797,301	2,815	43,165	1,848	39,926
New Mexico						
Farmington City of/June 30						
Nonfirm Power	1,030	20,940	—	—	—	—
Total Power	1,030	20,940	—	—	—	—
Los Alamos County/June 30						
Nonfirm Power	6,569	146,109	5,485	87,808	2,543	56,389
Total Power	6,569	146,109	5,485	87,808	2,543	56,389
New York						
Jamestown City of/December 31						
Nonfirm Power	100,605	1,995,847	—	—	—	—
Total Power	100,605	1,995,847	—	—	—	—
North Carolina						
Fayetteville Public Works Comm/June 30						
Nonfirm Power	23,587	1,065,357	—	—	—	—
Total Power	23,587	1,065,357	—	—	—	—
Greenville Utilities Comm/June 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
North Carolina Eastern M P A/December 31						
Firm Power	559,498	61,302,000	—	—	—	—
Total Power	559,498	61,302,000	—	—	—	—
North Carolina Mun Power Agny/December 31						
Firm Power	4,686,382	236,164,000	—	—	—	—
Total Power	4,686,382	236,164,000	—	—	—	—
Rocky Mount City of/June 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Wilson City of/June 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Ohio						
American Mun Power-Ohio Inc/December 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Bowling Green City of/December 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Columbus City of/December 31						
Nonfirm Power	1,172	27,131	—	—	—	—
Total Power	1,172	27,131	—	—	—	—

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Missouri						
Independence City of/June 30						
Firm Power	—	—	—	—	—	973,000
Nonfirm Power	—	—	—	—	9,617	223,984
Total Power	—	—	—	—	9,617	1,196,984
Sikeston City of/May 31						
Firm Power	—	—	775,931	29,946,660	775,931	29,946,660
Nonfirm Power	824	14,328	603,867	10,457,712	612,414	10,608,422
Total Power	824	14,328	1,379,798	40,404,372	1,388,345	40,555,082
Springfield City of/September 30						
Firm Power	—	—	142,981	3,602,000	142,981	3,602,000
Nonfirm Power	350	14,000	12,130	457,000	86,170	1,969,000
Total Power	350	14,000	155,111	4,059,000	229,151	5,571,000
Nebraska						
Fremont City of/July 31						
Nonfirm Power	—	—	—	—	12,608	260,895
Total Power	—	—	—	—	12,608	260,895
Grand Island City of/July 31						
Nonfirm Power	—	—	—	—	76,378	1,018,229
Total Power	—	—	—	—	76,378	1,018,229
Hastings City of/December 31						
Nonfirm Power	—	—	17,189	183,092	192,364	1,879,589
Total Power	—	—	17,189	183,092	192,364	1,879,589
Lincoln Electric System/December 31						
Firm Power	—	—	72,935	2,132,356	72,935	2,132,356
Nonfirm Power	712,550	10,282,475	1,267	30,422	858,118	13,193,289
Total Power	712,550	10,282,475	74,202	2,162,778	931,053	15,325,645
New Mexico						
Farmington City of/June 30						
Nonfirm Power	—	—	19,659	1,019,832	20,689	1,040,772
Total Power	—	—	19,659	1,019,832	20,689	1,040,772
Los Alamos County/June 30						
Nonfirm Power	35,145	716,676	8,756	195,206	58,498	1,202,188
Total Power	35,145	716,676	8,756	195,206	58,498	1,202,188
New York						
Jamestown City of/December 31						
Nonfirm Power	—	—	—	—	100,605	1,995,847
Total Power	—	—	—	—	100,605	1,995,847
North Carolina						
Fayetteville Public Works Comm/June 30						
Nonfirm Power	—	—	—	—	23,587	1,065,357
Total Power	—	—	—	—	23,587	1,065,357
Greenville Utilities Comm/June 30						
Firm Power	—	—	24,000	1,884,021	24,000	1,884,021
Total Power	—	—	24,000	1,884,021	24,000	1,884,021
North Carolina Eastern M P A/December 31						
Firm Power	—	—	5,809,119	396,721,000	6,368,617	458,023,000
Total Power	—	—	5,809,119	396,721,000	6,368,617	458,023,000
North Carolina Mun Power Agny/December 31						
Firm Power	—	—	3,960,371	211,545,935	8,646,753	447,709,935
Total Power	—	—	3,960,371	211,545,935	8,646,753	447,709,935
Rocky Mount City of/June 30						
Firm Power	—	—	17,712	1,223,021	17,712	1,223,021
Total Power	—	—	17,712	1,223,021	17,712	1,223,021
Wilson City of/June 30						
Firm Power	—	—	62,887	4,939,356	62,887	4,939,356
Total Power	—	—	62,887	4,939,356	62,887	4,939,356
Ohio						
American Mun Power-Ohio Inc/December 31						
Firm Power	—	—	4,193,927	150,965,000	4,193,927	150,965,000
Total Power	—	—	4,193,927	150,965,000	4,193,927	150,965,000
Bowling Green City of/December 31						
Firm Power	—	—	2,818	167,789	2,818	167,789
Total Power	—	—	2,818	167,789	2,818	167,789
Columbus City of/December 31						
Nonfirm Power	—	—	—	—	1,172	27,131
Total Power	—	—	—	—	1,172	27,131

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Ohio						
Hamilton City of/Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	7,727	72,634	—	—	—	—
Total Power	7,727	72,634	—	—	—	—
Orrville City of/Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Piqua City of/Dec 31						
Nonfirm Power	72	6,466	—	—	—	—
Total Power	72	6,466	—	—	—	—
St Marys City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Oregon						
Ashland City of/Jun 30						
Nonfirm Power	1,679	56,385	—	—	—	—
Total Power	1,679	56,385	—	—	—	—
Eugene City of/Dec 31						
Firm Power	—	—	—	—	61,946	5,268,706
Nonfirm Power	211,159	5,069,859	42,579	876,678	40	1,260
Total Power	211,159	5,069,859	42,579	876,678	61,986	5,269,966
South Carolina						
Piedmont Municipal Power Agny/Dec 31						
Firm Power	1,562,075	80,128,000	—	—	—	—
Total Power	1,562,075	80,128,000	—	—	—	—
South Dakota						
Pierre City of/Dec 31						
Firm Power	—	—	—	—	14,617	291,086
Total Power	—	—	—	—	14,617	291,086
Texas						
Austin City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	28,511	498,469	—	—	—	—
Total Power	28,511	498,469	—	—	—	—
Bryan City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Denton City of/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Garland City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Greenville City of/Sep 30						
Firm Power	—	—	—	—	—	—
Nonfirm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
San Antonio City of/Jan 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	118,569	3,029,046	—	—	20,267	566,242
Total Power	118,569	3,029,046	—	—	20,267	566,242
Texas Municipal Power Agency/Sep 30						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Utah						
Intermountain Power Agency/Jun 30						
Firm Power	366,681	25,481,000	—	—	—	—
Total Power	366,681	25,481,000	—	—	—	—
Vermont						
Burlington City of						
Firm Power	13,012	3,481,005	—	—	166	28,464
Nonfirm Power	—	—	—	—	—	—
Total Power	13,012	3,481,005	—	—	166	28,464

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Ohio						
Hamilton City of/Dec 31						
Firm Power	—	—	135,955	3,869,760	135,955	3,869,760
Nonfirm Power	—	—	10,464	89,644	18,191	162,278
Total Power	—	—	146,419	3,959,404	154,146	4,032,038
Orrville City of/Dec 31						
Firm Power	—	—	91,053	1,607,563	91,053	1,607,563
Nonfirm Power	—	—	6,257	304,848	6,257	304,848
Total Power	—	—	97,310	1,912,411	97,310	1,912,411
Piqua City of/Dec 31						
Nonfirm Power	—	—	—	—	72	6,466
Total Power	—	—	—	—	72	6,466
St Marys City of/Dec 31						
Firm Power	—	—	5,159	163,990	5,159	163,990
Total Power	—	—	5,159	163,990	5,159	163,990
Oregon						
Ashland City of/Jun 30						
Nonfirm Power	—	—	—	—	1,679	56,385
Total Power	—	—	—	—	1,679	56,385
Eugene City of/Dec 31						
Firm Power	—	—	—	—	61,946	5,268,706
Nonfirm Power	—	—	31,583	583,468	285,361	6,531,265
Total Power	—	—	31,583	583,468	347,307	11,799,971
South Carolina						
Piedmont Municipal Power Agny/Dec 31						
Firm Power	—	—	1,556,207	80,549,000	3,118,282	160,677,000
Total Power	—	—	1,556,207	80,549,000	3,118,282	160,677,000
South Dakota						
Pierre City of/Dec 31						
Firm Power	—	—	—	—	14,617	291,086
Total Power	—	—	—	—	14,617	291,086
Texas						
Austin City of/Sep 30						
Firm Power	—	—	179,033	4,812,781	179,033	4,812,781
Nonfirm Power	8,491	139,896	10,978	157,185	47,980	795,550
Total Power	8,491	139,896	190,011	4,969,966	227,013	5,608,331
Bryan City of/Sep 30						
Firm Power	—	—	606,067	26,433,002	606,067	26,433,002
Nonfirm Power	—	—	97,068	2,336,355	97,068	2,336,355
Total Power	—	—	703,135	28,769,357	703,135	28,769,357
Denton City of/Sep 30						
Firm Power	—	—	175,250	7,057,478	175,250	7,057,478
Total Power	—	—	175,250	7,057,478	175,250	7,057,478
Garland City of/Sep 30						
Firm Power	—	—	296,176	11,773,470	296,176	11,773,470
Nonfirm Power	—	—	543,630	12,642,625	543,630	12,642,625
Total Power	—	—	839,806	24,416,095	839,806	24,416,095
Greenville City of/Sep 30						
Firm Power	8,316	552,547	37,277	1,954,773	45,593	2,507,320
Nonfirm Power	—	—	774	5,632	774	5,632
Total Power	8,316	552,547	38,051	1,960,405	46,367	2,512,952
San Antonio City of/Jan 31						
Firm Power	—	6,093	—	18,513	—	24,606
Nonfirm Power	83,673	1,986,489	250,355	9,632,438	472,864	15,214,215
Total Power	83,673	1,992,582	250,355	9,650,951	472,864	15,238,821
Texas Municipal Power Agency/Sep 30						
Firm Power	—	—	2,793,380	174,146,000	2,793,380	174,146,000
Total Power	—	—	2,793,380	174,146,000	2,793,380	174,146,000
Utah						
Intermountain Power Agency/Jun 30						
Firm Power	—	—	11,824,613	670,428,000	12,191,294	695,909,000
Total Power	—	—	11,824,613	670,428,000	12,191,294	695,909,000
Vermont						
Burlington City of						
Firm Power	—	—	—	—	13,178	3,509,469
Nonfirm Power	—	—	44,564	849,182	44,564	849,182
Total Power	—	—	44,564	849,182	57,742	4,358,651

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Investor-Owned		Federal		State and Other Government	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Washington						
Tacoma City of/Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	168,349	3,015,288	399,047	14,924,132	—	—
Total Power	168,349	3,015,288	399,047	14,924,132	—	—
Wisconsin						
Manitowoc Public Utilities/Dec 31						
Firm Power	696	22,118	—	—	—	—
Total Power	696	22,118	—	—	—	—
Menasha City of/Dec 31						
Firm Power	—	—	—	—	—	—
Total Power	—	—	—	—	—	—
Wisconsin Public Power Inc Sys/Dec 31						
Firm Power	—	—	—	—	—	—
Nonfirm Power	11,072	413,792	220	3,316	480	9,521
Total Power	11,072	413,792	220	3,316	480	9,521

See notes and footnotes at end of table.

Table 30. Electricity Sales for Resale by Municipal Utilities, Fiscal Year 1994 (Continued)

State / Utility / Fiscal Year Ending Date	Purchaser of Electricity					
	Cooperative		Other ¹		Total	
	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)	Sales For Resale (thousand kWh)	Revenue (dollars)
Washington						
Tacoma City of/Dec 31						
Firm Power	—	—	6,443	170,309	6,443	170,309
Nonfirm Power	—	—	10,675	180,635	578,071	18,120,055
Total Power	—	—	17,118	350,944	584,514	18,290,364
Wisconsin						
Manitowoc Public Utilities/Dec 31						
Firm Power	—	—	—	—	696	22,118
Total Power	—	—	—	—	696	22,118
Menasha City of/Dec 31						
Firm Power	—	—	3,100	1,215,685	3,100	1,215,685
Total Power	—	—	3,100	1,215,685	3,100	1,215,685
Wisconsin Public Power Inc Sys/Dec 31						
Firm Power	—	—	3,027,002	113,603,143	3,027,002	113,603,143
Nonfirm Power	392	9,181	500	9,400	12,664	445,210
Total Power	392	9,181	3,027,502	113,612,543	3,039,666	114,048,353

¹ Includes transactions with municipal utilities, power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •For identification purposes, the municipal utilities are listed in the State in which the municipality is located. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities."

Table 31. Electricity Purchases by Publicly Owned Utilities Not Reported on Form EIA-412, by State, 1994

State / Utility	Source of Electricity (Purchases in thousand kWh)						Total
	Investor-Owned	Federal	State and Other Government	Municipal	Cooperative	Other ¹	
Alabama							
Brundidge City of	—	—	—	—	28,825	—	28,825
Elba City of	—	—	—	—	51,941	—	51,941
Opp City of	—	—	—	—	73,868	—	73,868
Alaska							
Kokhanok Village Council	—	—	131	—	—	—	131
Ouzinkie City of	—	—	—	—	—	441	441
Unalaska City of	—	—	—	—	—	2,325	2,325
Arizona							
Fredonia City of	9,258	—	—	—	—	—	9,258
Colorado							
Granada Town of	—	—	—	2,818	—	—	2,818
Georgia							
Oxford City of	—	—	11,142	—	—	—	11,142
Illinois							
Fairfield City of	—	—	—	—	73,513	—	73,513
McLeansboro City of	—	—	—	—	20,432	—	20,432
Red Bud City of	—	—	—	—	34,185	—	34,185
Indiana							
Cannelton Utilities	—	—	—	18,590	—	—	18,590
Troy City of	—	—	—	9,139	—	—	9,139
Iowa							
Aplington City of	5,793	—	—	—	—	—	5,793
Bancroft City of	—	—	—	—	10,457	—	10,457
Brooklyn City of	—	—	—	—	10,519	—	10,519
Cascade City of	—	—	—	—	13,848	—	13,848
Coggon City of	—	—	—	—	3,453	—	3,453
Corwith City of	—	—	—	—	2,417	—	2,417
Dayton City of	—	—	—	—	5,327	—	5,327
Durant City of	—	—	—	—	12,753	—	12,753
Earlville City of	—	—	—	—	4,130	—	4,130
Ellsworth City of	—	—	—	—	6,564	—	6,564
Farnhamville City of	—	—	—	—	5,325	—	5,325
Forest City City of	—	—	—	—	67,312	—	67,312
Gowrie Municipal Utilities	—	—	—	—	7,274	—	7,274
Greenfield City of	—	—	—	—	27,072	—	27,072
Grundy Center City of	—	—	—	—	26,773	—	26,773
Hinton City of	—	—	—	—	4,924	—	4,924
Keosauqua City of	—	—	—	—	10,562	—	10,562
Lake Mills City of	—	—	—	—	31,815	—	31,815
Lamoni City of	—	—	—	—	18,613	—	18,613
Larchwood City of	—	—	—	—	4,861	—	4,861
Lehigh City of	—	—	—	—	2,213	—	2,213
New Hampton City of	—	—	—	—	60,127	—	60,127
Osage City of	—	—	—	—	40,561	—	40,561
Paton City of	—	—	—	—	2,175	—	2,175
Renwick City of	—	—	—	—	3,334	—	3,334
Stanton City of	—	—	—	—	6,943	—	6,943
Stratford City of	—	—	—	—	5,137	—	5,137
Sumner City of	—	—	—	—	14,864	—	14,864
Tennant City of	—	—	—	327	—	—	327
Webster City City of	—	—	—	—	126,129	—	126,129
West Bend City of	—	—	—	—	12,427	—	12,427
Westfield Town of	—	—	—	—	732	—	732
Wilton City of	—	—	—	—	21,936	—	21,936
Winterset City of	—	—	—	—	38,774	—	38,774
Woolstock City of	—	—	—	1,739	—	—	1,739

See notes and footnotes at end of table.

Table 31. Electricity Purchases by Publicly Owned Utilities Not Reported on Form EIA-412, by State, 1994 (Continued)

State / Utility	Source of Electricity (Purchases in thousand kWh)						Total
	Investor-Owned	Federal	State and Other Government	Municipal	Cooperative	Other ¹	
Kansas							
Colby City of.....	—	—	—	—	57,273	—	57,273
Dighton City of.....	—	—	—	—	10,334	—	10,334
Herndon City of.....	—	—	—	—	1,155	—	1,155
Hill City City of.....	—	—	—	—	13,835	—	13,835
Iuka City of.....	—	—	—	1,800	—	—	1,800
Jetmore City of.....	—	—	—	—	8,369	—	8,369
Johnson City of.....	—	—	—	—	12,063	—	12,063
Kiowa City of.....	—	—	—	—	10,591	—	10,591
La Crosse City of.....	—	—	—	—	10,636	—	10,636
Lakin City of.....	—	—	—	—	10,574	—	10,574
Meade City of.....	—	—	—	—	6,886	—	6,886
Norton City of.....	—	—	—	—	27,965	—	27,965
Oakley City of.....	—	—	—	—	19,030	—	19,030
Radium City of.....	—	—	—	—	598	—	598
Seward City of.....	—	—	—	—	445	—	445
Michigan							
Newberry Water & Light Board.....	—	—	—	—	17,770	—	17,770
St Louis City of.....	26,508	—	—	—	—	—	26,508
Minnesota							
Alpha City of.....	—	—	—	—	1,082	—	1,082
Alvarado City of.....	—	—	—	—	3,616	—	3,616
Bigelow City of.....	—	—	—	1,927	—	—	1,927
Biwabik City of.....	6,496	—	—	—	—	—	6,496
Caledonia City of.....	—	—	—	—	18,562	—	18,562
Ceylon City of.....	—	—	—	—	2,852	—	2,852
Darwin Village of.....	—	—	—	2,007	—	—	2,007
Dunnell Village of.....	—	—	—	—	1,214	—	1,214
Eitzen City of.....	—	—	—	—	2,132	—	2,132
Grove City City of.....	—	—	—	5,999	—	—	5,999
Harmony City of.....	—	—	—	—	7,481	—	7,481
Lanesboro Public Utility Comm.....	—	—	—	—	5,146	—	5,146
Mabel City of.....	—	—	—	—	4,472	—	4,472
Nashauk City of.....	—	—	—	—	6,244	—	6,244
Peterson City of.....	—	—	—	—	1,427	—	1,427
Proctor Public Utilities Comm.....	16,282	—	—	—	—	—	16,282
Round Lake City of.....	—	—	—	—	8,775	—	8,775
Rushmore City of.....	—	—	—	2,004	—	—	2,004
Spring Grove City of.....	—	—	—	—	14,130	—	14,130
Whalan City of.....	—	—	—	—	407	—	407
Missouri							
Albany City of.....	—	—	—	—	8,240	8,240	16,480
Ava City of.....	—	—	—	—	38,447	—	38,447
Bethany City of.....	—	—	—	—	25,190	—	25,190
Butler City of.....	—	—	—	—	24,055	—	24,055
Cabool City of.....	—	—	—	—	34,641	—	34,641
Cameron City of.....	—	—	—	—	41,771	—	41,771
Chillicothe City of.....	—	—	—	—	80,993	—	80,993
Crane City of.....	—	—	—	—	12,450	—	12,450
Cuba City of.....	—	—	—	—	44,845	—	44,845
Easton City of.....	—	—	—	—	1,562	—	1,562
Fayette City of.....	—	—	—	—	18,678	—	18,678
Gallatin City of.....	—	—	—	—	9,094	9,094	18,188
Houston City of.....	—	—	—	—	29,417	—	29,417
Hunnewell City of.....	—	—	—	—	967	—	967
La Plata City of.....	—	—	—	—	19,599	—	19,599
Macon City of.....	—	—	—	—	77,592	—	77,592
Mansfield City of.....	—	—	—	—	26,217	—	26,217
Meadville City of.....	—	—	—	—	2,502	—	2,502
Memphis City of.....	—	—	—	17,420	—	—	17,420
Milan City of.....	—	—	—	—	30,595	—	30,595
Monroe City City of.....	—	—	—	—	48,826	—	48,826
Mountain View City of.....	—	—	—	—	33,035	—	33,035
Newburg City of.....	—	—	—	—	3,900	—	3,900

See notes and footnotes at end of table.

Table 31. Electricity Purchases by Publicly Owned Utilities Not Reported on Form EIA-412, by State, 1994 (Continued)

State / Utility	Source of Electricity (Purchases in thousand kWh)						Total
	Investor-Owned	Federal	State and Other Government	Municipal	Cooperative	Other ¹	
Missouri							
Palmyra City of.....	—	—	—	—	38,196	—	38,196
Paris City of.....	—	—	—	—	11,435	—	11,435
Pattonburg City of.....	—	—	—	—	2,716	—	2,716
Richland City of.....	—	—	—	—	18,622	—	18,622
Rockport City of.....	—	—	—	—	13,258	—	13,258
Salem City of.....	—	—	—	—	51,500	—	51,500
Seymour City of.....	—	—	—	—	23,168	—	23,168
Shelbina City of.....	—	—	—	—	32,748	—	32,748
St Robert City of.....	—	—	—	—	31,513	—	31,513
Stanberry City of.....	—	—	—	—	9,833	—	9,833
Steelville City of.....	—	—	—	—	17,413	—	17,413
Sullivan City of.....	—	—	—	—	86,635	—	86,635
Unionville City of.....	—	—	—	—	—	15,922	15,922
Vandalia City of.....	—	—	—	—	8,545	8,545	17,090
Waynesville City of.....	—	—	—	—	27,134	—	27,134
Willow Springs City of.....	—	—	—	—	25,873	—	25,873
Winona City of.....	—	—	—	—	10,017	—	10,017
Nebraska							
Bartley Village of.....	—	—	2,162	—	—	—	2,162
Decatur Village of.....	—	—	5,125	—	—	—	5,125
Emerson City of.....	—	—	5,840	—	—	—	5,840
Endicott Village of.....	—	—	—	647	—	—	647
Northwest Rural Pub Pwr Dist.....	—	—	—	—	65,386	—	65,386
Panama Village of.....	—	—	—	1,441	—	—	1,441
Reynolds Village of.....	—	—	—	750	—	—	750
Roosevelt Public Power Dist.....	—	—	—	—	45,686	—	45,686
St Paul City of.....	—	—	17,050	—	—	—	17,050
Stromsburg City of.....	—	—	10,888	—	—	—	10,888
Talmage Village of.....	—	—	—	2,446	—	—	2,446
Nevada							
Alamo Power District No 3 ²	—	—	10,847	—	—	—	10,847
Caliente City of.....	—	—	13,187	—	—	—	13,187
Pioche City of.....	—	—	6,451	—	—	—	6,451
New Mexico							
Springer Town of.....	—	—	—	—	4,258	—	4,258
North Carolina							
Fountain Town of.....	—	—	—	7,331	—	—	7,331
Oak City Town of.....	—	—	—	—	5,286	—	5,286
Southport City of.....	39,283	—	—	—	—	—	39,283
Ohio							
Woodsfield City of.....	—	—	—	—	21,270	—	21,270
Oklahoma							
Anadarko Public Works Auth.....	—	—	—	—	56,742	—	56,742
Braman Town of.....	—	—	—	1,824	—	—	1,824
Burlington City of.....	—	—	—	—	1,270	—	1,270
Cordell City of.....	—	—	—	—	24,388	—	24,388
Fort Supply Town of.....	—	—	—	—	2,232	—	2,232
Kaw City City of.....	1,069	—	—	—	1,069	—	2,138
Lindsay City of.....	—	—	—	—	24,789	—	24,789
Mooreland City of.....	—	—	—	—	8,146	—	8,146
South Dakota							
Elk Point City of.....	—	—	—	—	13,014	—	13,014
Onida City of.....	—	—	—	—	6,916	—	6,916
Texas							
Electra City of.....	—	—	—	—	23,839	—	23,839
Garrison City of.....	—	—	—	—	8,618	—	8,618
Granbury City of.....	—	—	—	—	69,180	—	69,180
Hearne City of.....	—	—	—	—	42,526	—	42,526

See notes and footnotes at end of table.

Table 31. Electricity Purchases by Publicly Owned Utilities Not Reported on Form EIA-412, by State, 1994 (Continued)

State / Utility	Source of Electricity (Purchases in thousand kWh)						Total
	Investor-Owned	Federal	State and Other Government	Municipal	Cooperative	Other ¹	
Texas							
Hemphill City of	—	—	—	—	15,703	—	15,703
Plains City of	—	—	—	—	7,053	—	7,053
San Augustine City of	—	—	—	—	22,939	—	22,939
Sanger City of	—	—	—	—	29,824	—	29,824
Seymour City of	—	—	—	—	29,475	—	29,475
Timpson City of	—	—	—	—	11,442	—	11,442
Whitesboro City of	—	—	—	—	26,120	—	26,120
Wisconsin							
Arcadia City of	—	—	—	—	60,237	—	60,237
Argyle City of	—	—	—	—	7,838	—	7,838
Cashton Village of	—	—	—	—	6,579	—	6,579
Cumberland City of	—	—	—	—	30,432	—	30,432
Elroy City of	—	—	—	—	16,127	—	16,127
Fennimore City of	—	—	—	—	29,710	—	29,710
La Farge Municipal Electric Co.....	—	—	—	2,800	2,800	—	5,600
Merrillan City of	—	—	—	—	3,252	—	3,252
New Lisbon City of	—	—	—	—	15,655	—	15,655
Viola City of	—	—	—	—	4,238	—	4,238
Wyoming							
Basin Town of	—	—	—	—	9,054	—	9,054
Midvale Irrigation District.....	—	—	—	—	233	—	233

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

² Source of data is Rural Utilities Service, RUS Form 7, "Financial and Statistical Report."

—Not Applicable

Notes: •For identification purposes, the municipalities are listed in the State in which the municipality is located. •Totals may not equal sum of components because of independent rounding.

Source: •Energy Information Administration Form EIA-861, "Annual Electric Utility Report," except where footnoted.

Table 32. Electricity Exchanges and Wheeling by Publicly Owned Utilities, 1994
(Thousand Kilowatthours)

Public Authority / State / Utility	Exchanges		Wheeling	
	Received	Delivered	Received	Delivered
Federal				
Alaska				
Alaska Power Administration.....	—	—	323,337	323,337
Colorado				
Western Area Power Admin.....	1,352,000	1,563,000	—	—
Georgia				
Southeastern Power Admin.....	372	—	4,267,439	4,267,439
Oklahoma				
Southwestern Power Admin.....	534,918	501,540	—	—
Oregon				
Bonneville Power Admin.....	13,237,951	20,208,572	41,056,913	40,801,209
Tennessee				
Tennessee Valley Authority.....	25,956,423	26,706,239	1,576,379	1,541,254
State and Other Government				
Alaska				
Alaska Energy Authority.....	—	—	237,637	237,637
California				
California Dept-Wtr Resources.....	3,595,217	1,736,623	—	—
Northern California Power Agny.....	20,812	2,755	—	—
Colorado				
Platte River Power Authority.....	12,477	12,477	—	—
Connecticut				
Connecticut Mun Elec Engy Coop.....	312,981	16,453	—	—
Georgia				
Municipal Electric Authority.....	—	—	745,124	704,142
Massachusetts				
Massachusetts Mun Whls Elec Co.....	781,289	264,294	—	—
Michigan				
Michigan Public Power Agency.....	—	9,990	—	—
Oklahoma				
Grand River Dam Authority.....	134,391	155,947	6,650	6,650
South Carolina				
South Carolina Pub Serv Auth.....	35,539	43,461	444,959	438,596
South Dakota				
Missouri Basin Mun Power Agny.....	537	19,210	—	—
Texas				
Toledo Bend Project Joint Oper.....	880	880	—	—
Utah				
Utah Associated Mun Power Sys.....	21,563	20,029	29,997	29,997
Wyoming				
Wyoming Municipal Power Agency.....	1,995	4,039	—	—
Municipal				
Arkansas				
Jonesboro City of.....	70,451	—	—	—
California				
Anaheim City of.....	469	22,884	—	—
Burbank City of.....	80	4,428	—	—
Lassen Municipal Utility Dist.....	—	—	352,011	352,011
Los Angeles City of.....	780	1,964,201	13,420,574	13,376,208
Riverside City of.....	178	33,581	—	—
Santa Clara City of.....	—	—	213,675	213,675
Turlock Irrigation District.....	1,207	1,144	814	3,892
Colorado				
Colorado Springs City of.....	1,978	667	31,074	31,074
Lamar City of.....	—	—	8,159	8,159
Longmont City of.....	—	—	7,214	7,178
Florida				
Lake Worth City of.....	200,218	14	—	—
Lakeland City of.....	—	—	134,338	133,820
Ocala City of.....	—	—	30,991	30,991
Orlando Utilities Comm.....	—	—	246,032	240,453

See notes and footnotes at end of table.

Table 32. Electricity Exchanges and Wheeling by Publicly Owned Utilities, 1994
(Thousand Kilowatthours) (Continued)

Public Authority / State / Utility	Exchanges		Wheeling	
	Received	Delivered	Received	Delivered
Municipal				
Iowa				
Ames City of	125	195	—	—
Harlan City of	3,907	3,886	—	—
Muscatine City of	—	—	6,279	228
Pella City of	6,217	6,985	—	—
Kansas				
Coffeyville City of	149,302	149,524	—	—
Kansas City City of	—	11,070	—	—
Louisiana				
Lafayette City of	9,084	9,070	—	—
Massachusetts				
Ashburnham Town of	5,172	3,932	—	—
Boylston Town of	6,131	2,836	—	—
Braintree Town of	106,627	51,289	—	—
Chicopee City of	2,089	2,821	—	—
Danvers Town of	125,918	29,246	—	—
Georgetown City of	12,162	2,249	—	—
Groton City of	10,001	5,907	—	—
Hingham City of	67,988	14,568	—	—
Holyoke City of	18,662	57,175	—	—
Hudson Town of	81,731	5,003	—	—
Ipswich Town of	31,755	2,490	—	—
Littleton Town of	17,311	7,730	—	—
Mansfield Town of	71,051	18,568	—	—
Marblehead City of	24,902	—	—	—
Middleborough Town of	19,219	9,157	—	—
North Attleborough Town of	105,305	12,927	—	—
Paxton Town of	6,803	2,759	—	—
Peabody City of	182,072	48,055	—	—
Princeton Town of	3,868	502	—	—
Reading Town of	156,112	46,110	—	—
Shrewsbury Town of	44,503	13,060	—	—
South Hadley Town of	4,397	3,853	—	—
Sterling Town of	10,514	3,824	—	—
Taunton City of	316,891	6,680	—	—
Templeton Town of	16,440	7,095	—	—
West Boylston Town of	17,830	6,074	—	—
Westfield City of	65,153	26,983	—	—
Maryland				
Easton Utilities Comm	180,900	2,035	—	—
Michigan				
Holland City of	348	3,260	—	—
Lansing City of	345	297	—	—
Missouri				
Columbia City of	—	—	121,319	118,794
Independence City of	753,900	753,891	—	—
Sikeston City of	207,298	65,007	—	—
Springfield City of	127,911	126,675	—	—
North Carolina				
Fayetteville Public Works Comm	424,175	22,912	—	—
Nebraska				
Grand Island City of	16	—	—	—
Hastings City of	—	—	5,534	5,534
Lincoln Electric System	—	3,668	108,471	108,471
Wayne City of	—	—	1,939	1,875
New Hampshire				
Ashland Town of	—	—	562	562
New Mexico				
Farmington City of	—	—	9,921	9,921
Los Alamos County	56,477	23,382	—	—
Ohio				
American Mun Power-Ohio Inc	—	—	39,679	39,679
Cleveland City of	—	82,202	—	—
Columbus City of	—	—	401,304	401,304
Hamilton City of	3,439	22,616	—	—
New Knoxville Village of	—	—	1,550	1,550
Orrville City of	525	605	—	—

See notes and footnotes at end of table.

Table 32. Electricity Exchanges and Wheeling by Publicly Owned Utilities, 1994

(Thousand Kilowatthours) (Continued)

Public Authority / State / Utility	Exchanges		Wheeling	
	Received	Delivered	Received	Delivered
Municipal				
Ohio				
Painesville City of	1,504	2,643	—	—
St Marys City of	6,353	7,130	—	—
Oregon				
Eugene City of	35,947	71,614	—	—
South Carolina				
Piedmont Municipal Power Agny	266,873	311,835	—	—
Texas				
Austin City of	64,895	59,255	20,886	23,791
Bryan City of	27,496	22,809	—	—
San Antonio City of	1,397,429	1,391,987	—	—
Utah				
Logan City of	—	—	5,650	5,650
Virginia				
Danville City of	—	—	15,994	15,994
Vermont				
Burlington City of	—	—	1,949	1,949
Morrisville Village of	4,386	8,557	—	—
Orleans Village of	77	77	—	—
Readsboro Town of	41	41	—	—
Washington				
Seattle City of	5,978,845	5,912,917	47,288	47,288
Tacoma City of	1,197	122,992	1,286,417	1,286,417

—Not Applicable

Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

4. Bulk Power Transactions by Cooperative Utilities

Overview

This chapter presents electric trade data for cooperative utilities, most of which are participants in the U. S. Department of Agriculture's Rural Utilities Service (RUS) Cooperative Borrowers program. The data are separated and presented for the Power Supply Borrowers and Distribution Borrowers. Power Supply Borrowers generate and purchase electricity for

wholesale transactions with other electric utilities, while most Distribution Borrowers do not own generators and provide only distribution services to the final consumer. Cooperative borrowers are required to provide RUS with financial and operational data to support the RUS loan management program. The cooperative borrowers represent nearly all the cooperatives in the country.⁶

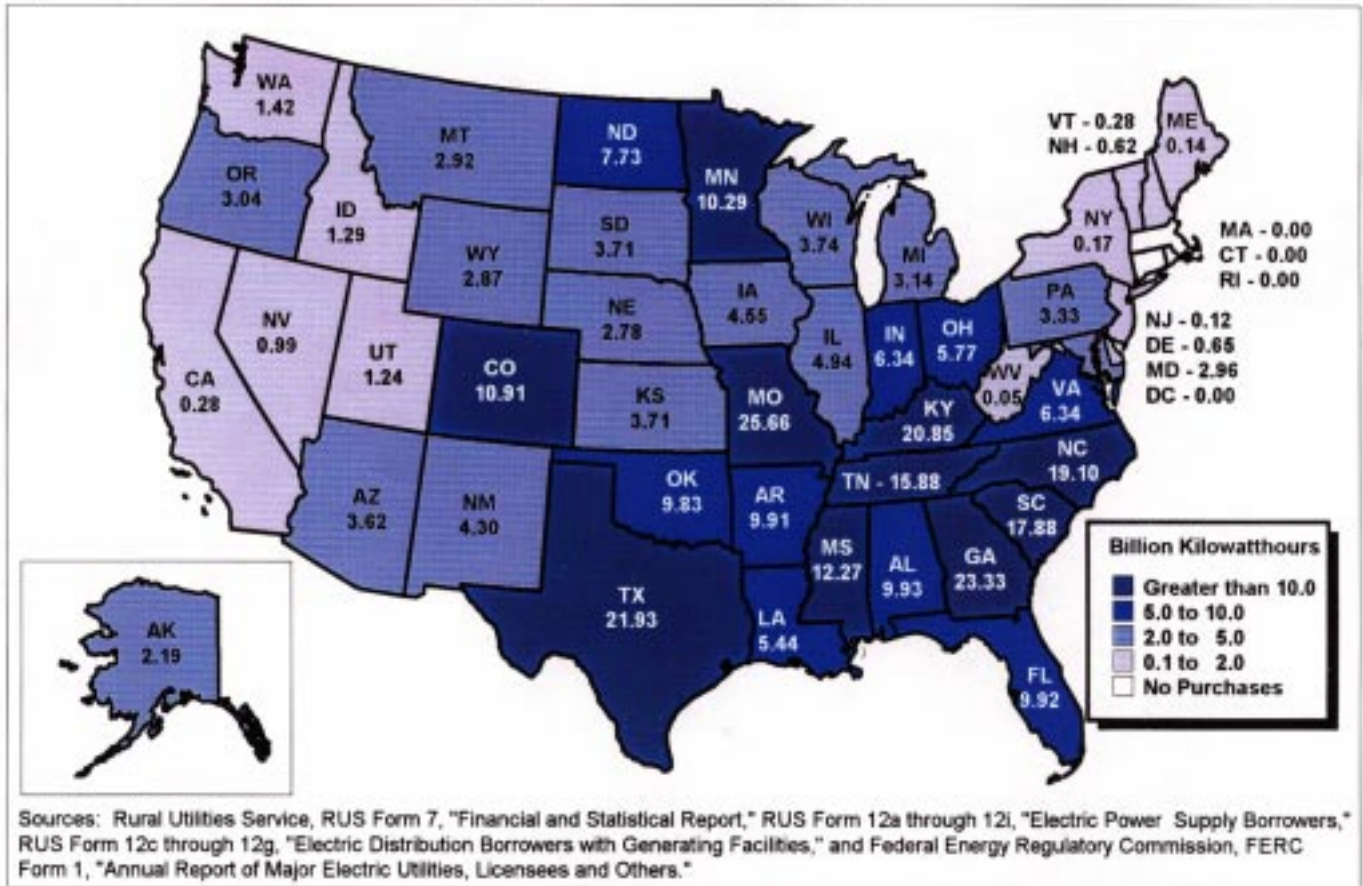
There are many types of cooperative associations, but five basic principles or features distinguish cooperatives from other types of private enterprise businesses.

- Ownership is held by member-users.

- Control is on the basis of one vote per member, or on volume provided.
- Operations have an at-cost (nonprofit) objective.
- Dividends on member capital are limited.

⁶ There have been fewer than 50 RUS borrowers that have paid off their loans. Those utilities are not required to file the RUS forms.

Figure 14. Electricity Purchases by Cooperative Utilities by State, 1994



- Education is necessary for understanding and support.⁷

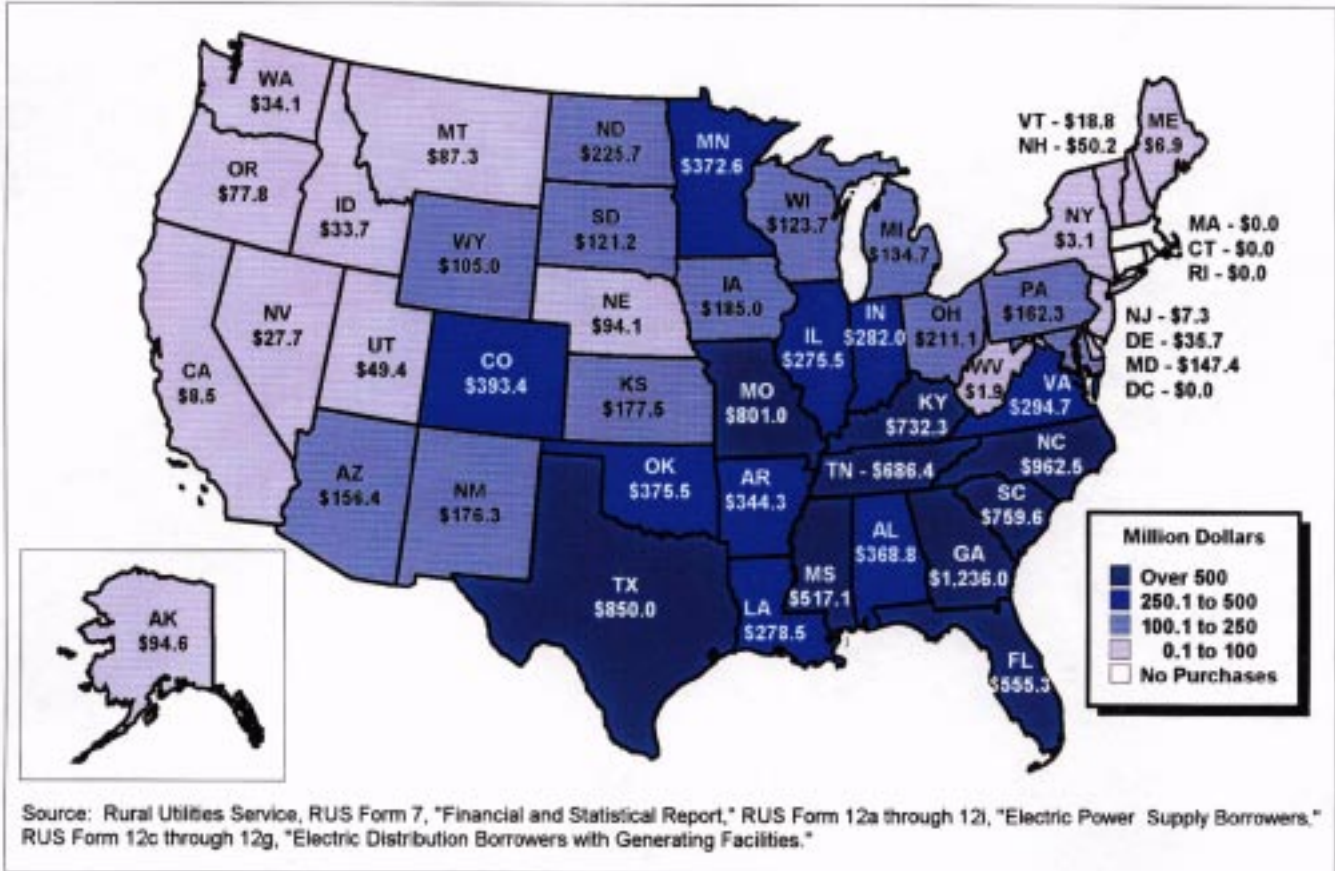
Cooperative entities are recognized by State statutes, which differ by State. Cooperatives can use a variety of generic labels depending on State statutes: mutuals and cooperatives (Washington, Idaho, and Nevada); cooperatives, rural electric membership corporations (North Carolina); rural electric systems, electric power associations (Mississippi), etc. In addition, many cooperatives are incorporated. Federal legislation further defines cooperative activities. Cooperatives are organized for a variety of reasons including insurance, agricultural, telephone, water, and electrical services.

There were about 35 electric cooperatives which predated the establishment of the Rural Electrification

Administration (REA), the predecessor of RUS, in 1935. A number of these cooperatives were formed as mutual associations. Many of these early efforts, however, were not successful. It was the establishment of the REA and other activities starting in 1935 that initiated the major development phase of cooperative electrification. This chapter focuses on purchases by cooperative borrowers because, at this time, RUS computerizes only individual utility transactions with other utilities for purchased power (Figure 14). Therefore, data on sales for resale are not presented in this chapter. Because RUS does not collect information on exchanges and wheeling, data from the Form EIA-861, "Annual Electric Utility Report," were used to provide aggregate data totals for the cooperative borrowers. Form EIA-861 is a mandatory form filed annually by all electric utilities in the United States on a calendar-year basis.

⁷ Information paraphrased and quoted from Agricultural Cooperative Service, U. S. Department of Agriculture, "Cooperative Principles and Legal Foundations," Cooperative Information Report 1, Section 1 (March 1982), p. 3.

Figure 15. Electricity Purchase Costs by Cooperative Utilities by State, 1994



Tables

This chapter presents data on each of the cooperative utilities, most of which are RUS electric borrowers. These cooperatives purchased electricity from other cooperatives, investor-owned, Federally owned, municipal utilities, and State authorities. Electricity purchases by power supply cooperatives are presented in Table 33 and by distribution cooperatives in Table 34. Cooperatives not listed elsewhere are presented in Table 35. Table 36 provides data on exchanges and transmission service transactions of the cooperative borrowers.

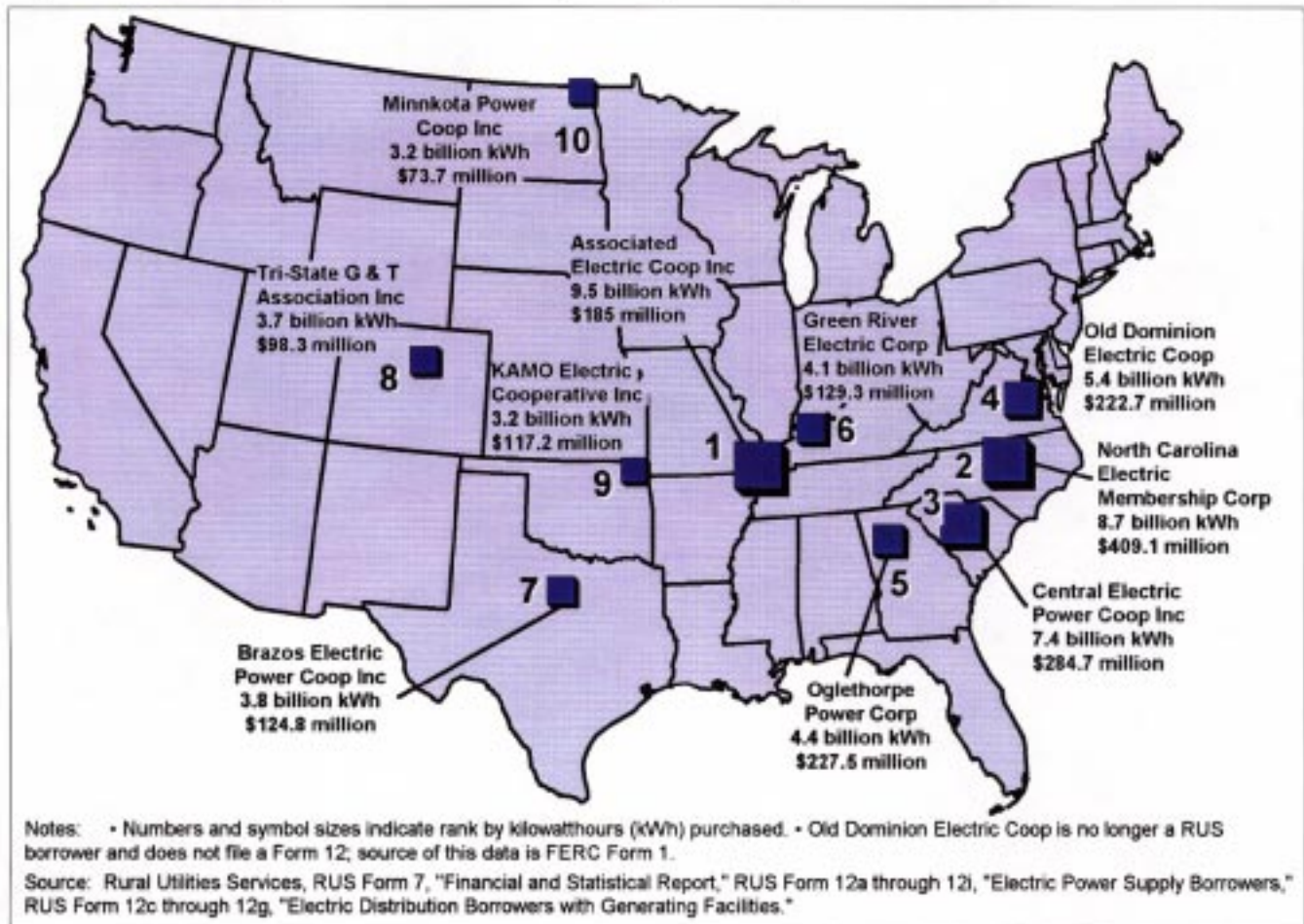
The tables present aggregate data on total quantity and value of each cooperative's electric utility trade (Figure 15). The reported quantities cannot be broken into firm and interruptible trade classifications. Nor is information available on demand, energy, and other

revenues and costs. For ease of identification, the cooperative borrowers are listed by State according to the mailing address of the administrative office. This listing does not necessarily reflect the electrical geographics of a cooperative's electrical system.

Highlights

While power supply cooperatives operate generation facilities to meet the needs of both bulk power requirements of their membership and supply the end-using customer, no cooperatives were among the top 50 of all utilities for generation and count of end-use customers. In part, this reflects the historical mission of cooperative utilities to serve low-population areas. Yet, these cooperative utilities do provide service to large areas of the United States (Figure 17).

Figure 16. Electricity Purchases and Costs by the Top Ten Cooperative Utilities, 1994



Summary

Power supply cooperatives, although small in total numbers, play an important role in the wholesale power resale market. Their large purchases and wide-ranging redistribution capability have put them in a highly visible position in the cooperative sector of the electric power industry. The amount of electricity a large power supply cooperative purchases is far greater than that of a typical distribution cooperative.

Many of these power suppliers are wholly owned by distribution cooperatives and supply only those cooperatives as wholesale customers. Others are distribution cooperatives with excess generating capability. But as a group, power supply cooperatives continue to purchase more electric power from a wider range of sources.

Regional differences in establishment of cooperatives primarily resulted from the historical development of the electric utility industry. Differences in the volume and type of trade can be related to geographical concentration and the proximity of other utilities and transmission facilities. For instance, some large interconnected transmission systems cross cooperative service territories affording the cooperative multiple sources of power. In contrast, cooperatives that are geographically isolated may only be able to buy from a single source.

Most distribution cooperatives sell power to the ultimate consumers who reside in their service territories. Cooperative service territories generally have a lower density of customers and many miles of distribution lines. Although distribution cooperatives do buy power from nearby investor-owned utilities and government authorities, the large majority of distribution cooperatives purchase most of their supply from power supply cooperatives.

Figure 17. Electricity Purchases by Cooperative Utilities, 1994

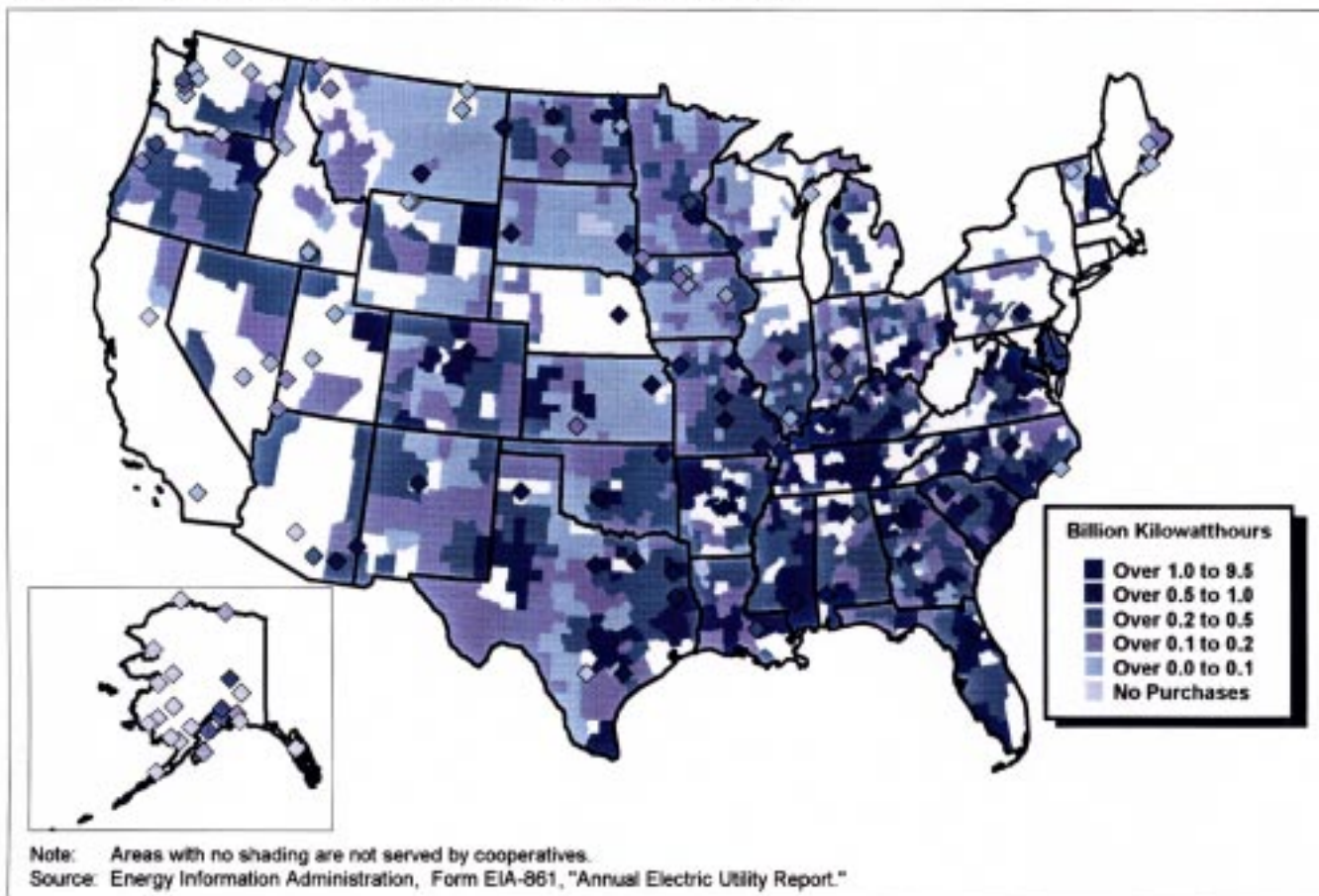


Table 33. Electricity Purchases by the Power Supply Segment of Cooperative Borrowers, by State, 1994

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Alabama							
Alabama Electric Coop Inc	612,914	17,200,450	335,514	9,990,640	—	—	—
Alaska							
Alaska Electric G & T Coop Inc . . .	—	—	—	—	—	—	—
Arizona							
Arizona Electric Pwr Coop Inc	—	—	—	—	—	—	—
Arkansas							
Arkansas Electric Coop Corp	-494,885	-12,608,248	530,464	8,191,587	—	—	—
Colorado							
Tri-State G & T Assn Inc	215,790	5,131,919	2,099,139	41,539,076	533	7,728	14,050
Florida							
Seminole Electric Coop Inc	1,055,369	120,925,255	—	—	—	—	160,962
Georgia							
Oglethorpe Power Corp.....	3,352,490	193,640,317	—	46,164	18,782	364,866	18,054
Illinois							
Southern Illinois Power Coop.....	—	—	40,940	857,698	—	—	—
Soyland Power Coop Inc.....	1,621,052	76,874,676	—	—	—	—	—
Indiana							
Hoosier Energy R E C Inc	67,539	3,155,967	—	—	—	—	—
Iowa							
Central Iowa Power Coop.....	—	—	82,724	1,043,773	—	—	—
Corn Belt Power Coop.....	—	—	154,644	2,001,344	—	—	—
L & O Power Coop.....	—	—	71,016	897,118	—	—	—
Northwest Iowa Power Coop	—	—	284,537	3,537,868	—	—	—
Kansas							
Kansas Electric Power Coop Inc	507,941	18,548,038	384,509	10,092,703	—	—	—
Sunflower Electric Power Corp.....	—	—	—	—	98,673	1,521,393	14,040
Kentucky							
Big Rivers Electric Corp.....	34,460	656,094	207,822	5,480,500	—	—	1,344,698
East Kentucky Power Coop Inc	217,918	6,258,350	1,986,723	37,571,637	—	—	—
Louisiana							
Cajun Electric Power Coop Inc.....	26,146	589,890	270,514	4,028,025	—	—	—
Michigan							
Wolverine Pwr Supply Coop Inc	989,345	35,371,404	—	—	156,525	4,276,489	—
Minnesota							
Coop Power Assn	27,376	730,838	505,594	6,539,621	6,909	161,162	4,613
Mississippi							
South Mississippi El Pwr Assn.....	41,972	1,426,623	267,127	8,444,343	—	—	—
Missouri							
Associated Electric Coop Inc	3,318,609	80,205,586	1,641,980	23,830,414	2,382,966	32,582,084	1,693,381
Central Electric Power Coop.....	—	—	—	—	—	—	—
M & A Electric Power Coop	—	—	—	—	—	—	—
N W Electric Power Coop Inc.....	—	—	—	—	—	—	—
Northeast Missouri El Pwr Coop . .	—	—	—	—	—	—	—
Sho-Me Power Electric Coop.....	7,626	363,295	—	—	—	—	—
Montana							
Upper Missouri G&T El Coop Inc	—	—	322,519	4,397,652	—	—	—

See notes and footnotes at end of table.

Table 33. Electricity Purchases by the Power Supply Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Alabama							
Alabama Electric Coop Inc	—	1,395,106	30,975,837	—	—	2,343,534	58,166,927
Alaska							
Alaska Electric G & T Coop Inc . . .	—	888,390	36,678,122	—	—	888,390	36,678,122
Arizona							
Arizona Electric Pwr Coop Inc	—	—	—	902,996	29,116,816	902,996	29,116,816
Arkansas							
Arkansas Electric Coop Corp	—	1,563,841	26,691,216	—	—	1,599,420	22,274,555
Colorado							
Tri-State G & T Assn Inc	295,158	1,335,849	51,136,199	1,885	169,429	3,667,246	98,279,509
Florida							
Seminole Electric Coop Inc	5,615,833	185,589	3,493,122	642	34,479	1,402,562	130,068,689
Georgia							
Oglethorpe Power Corp.....	491,546	991,761	32,934,007	—	—	4,381,087	227,476,900
Illinois							
Southern Illinois Power Coop.....	—	171	8,930	—	—	41,111	866,628
Soyland Power Coop Inc.....	—	—	—	—	—	1,621,052	76,874,676
Indiana							
Hoosier Energy R E C Inc	—	21,738	1,722,187	22,535	911,566	111,812	5,789,720
Iowa							
Central Iowa Power Coop	—	996	53,423	219	11,613	83,939	1,108,809
Corn Belt Power Coop	—	6,465	200,499	—	36,440	161,109	2,238,283
L & O Power Coop	—	82,403	3,307,918	—	—	153,419	4,205,036
Northwest Iowa Power Coop	—	368,340	15,374,409	819	50,196	653,696	18,962,473
Kansas							
Kansas Electric Power Coop Inc	—	22,757	486,007	—	2,531,574	915,207	31,658,322
Sunflower Electric Power Corp.....	340,210	36	804	—	—	112,749	1,862,407
Kentucky							
Big Rivers Electric Corp.....	31,996,205	34,111	628,204	1,300	56,175	1,622,391	38,817,178
East Kentucky Power Coop Inc	—	39,475	1,207,528	3,848	147,155	2,247,964	45,184,670
Louisiana							
Cajun Electric Power Coop Inc.....	—	—	—	51,186	1,061,757	347,846	5,679,672
Michigan							
Wolverine Pwr Supply Coop Inc	—	—	—	—	29	1,145,870	39,647,922
Minnesota							
Coop Power Assn	102,585	645,128	17,587,006	—	—	1,189,620	25,121,212
Mississippi							
South Mississippi El Pwr Assn.....	—	1,265,286	31,318,819	162,974	4,787,795	1,737,359	45,977,580
Missouri							
Associated Electric Coop Inc	36,694,161	443,539	11,957,205	—	—	9,480,475	185,269,450
Central Electric Power Coop.....	—	1,919,636	72,129,040	—	—	1,919,636	72,129,040
M & A Electric Power Coop	—	1,085,003	40,802,076	—	—	1,085,003	40,802,076
N W Electric Power Coop Inc	—	1,064,695	37,606,779	—	—	1,064,695	37,606,779
Northeast Missouri El Pwr Coop	—	1,033,419	33,889,871	—	—	1,033,419	33,889,871
Sho-Me Power Electric Coop.....	—	2,611,236	94,700,351	—	—	2,618,862	95,063,646
Montana							
Upper Missouri G&T El Coop Inc	—	653,501	28,750,191	—	—	976,020	33,147,843

See notes and footnotes at end of table.

Table 33. Electricity Purchases by the Power Supply Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Nebraska							
Nebraska Electric G&T Coop Inc	—	—	—	—	2,537,644	82,878,268	—
New Mexico							
Plains Elec Gen&Trans Coop Inc	167,441	6,517,836	757,556	13,905,450	14,879	283,170	15
North Carolina							
North Carolina El Member Corp	8,670,724	409,102,374	—	—	—	—	—
North Dakota							
Basin Electric Power Coop	3,370	43,332	8,551	5,485,091	2,339	70,407	—
Central Power Elec Coop Inc.....	—	—	329,290	4,145,039	—	—	—
Minnkota Power Coop Inc	456,372	25,739,432	600,672	7,318,942	53,079	1,175,246	15,768
Square Butte Electric Coop Inc.....	—	—	—	—	—	—	—
Ohio							
Buckeye Power Inc.....	577,890	12,107,681	—	—	—	—	—
Oklahoma							
KAMO Electric Coop Inc	39,515	1,399,306	—	—	1,453,719	50,724,523	—
Western Farmers Elec Coop Inc	5,598	226,734	765,920	11,433,591	5,947	128,035	—
Pennsylvania							
Allegheny Electric Coop Inc.....	939,523	36,578,319	—	—	267,359	1,738,763	—
South Carolina							
Central Electric Pwr Coop Inc.....	88,171	4,354,145	290,504	6,867,967	7,057,815	273,485,692	—
Saluda River Electric Coop Inc.....	1,271,885	62,702,558	—	—	—	—	—
South Dakota							
East River Elec Power Coop Inc	—	56,166	726,555	9,029,398	—	—	—
Texas							
Brazos Electric Power Coop Inc	1,447,553	50,082,745	128,854	3,179,817	193,900	7,171,392	66,177
Northeast Texas Elec Coop Inc	721,318	24,628,277	333,191	5,430,319	—	—	—
Sam Rayburn G&T Elec Coop Inc.....	522,736	21,923,704	—	—	—	—	—
South Texas Electric Coop Inc.....	215,306	4,485,600	185,532	1,828,559	1,075	21,980	4,263
Tex-La Electric Coop-Texas Inc.....	691,176	32,601,454	1,947	30,528	—	—	100,808
Utah							
Deseret Generation & Tran Coop	34,531	862,956	2,480	57,648	1,878	34,897	1,140
Vermont							
Vermont Electric G&T Coop Inc	79,087	2,716,567	—	—	17,590	584,629	—
Wisconsin							
Dairyland Power Coop.....	153,904	2,768,858	43,861	812,013	264,736	3,942,103	11,119

See notes and footnotes at end of table.

Table 33. Electricity Purchases by the Power Supply Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Nebraska							
Nebraska Electric G&T Coop Inc	—	—	—	—	—	2,537,644	82,878,268
New Mexico							
Plains Elec Gen&Trans Coop Inc	352	—	—	982	23,714	940,873	20,730,522
North Carolina							
North Carolina El Member Corp	—	—	—	—	—	8,670,724	409,102,374
North Dakota							
Basin Electric Power Coop	—	222,260	4,724,229	44,807	566,009	281,327	10,889,068
Central Power Elec Coop Inc.....	—	685,044	25,299,086	—	—	1,014,334	29,444,125
Minnkota Power Coop Inc	244,851	979,948	22,954,368	1,088,702	16,235,879	3,194,541	73,668,718
Square Butte Electric Coop Inc.....	—	12,124	79,178	—	—	12,124	79,178
Ohio							
Buckeye Power Inc.....	—	—	—	—	—	577,890	12,107,681
Oklahoma							
KAMO Electric Coop Inc	—	1,738,367	65,100,784	—	—	3,231,601	117,224,613
Western Farmers Elec Coop Inc	—	—	—	—	—	777,465	11,788,360
Pennsylvania							
Allegheny Electric Coop Inc.....	—	—	—	—	—	1,206,882	38,317,082
South Carolina							
Central Electric Pwr Coop Inc.....	—	—	—	—	—	7,436,490	284,707,804
Saluda River Electric Coop Inc.....	—	—	—	15,287	1,383,326	1,287,172	64,085,884
South Dakota							
East River Elec Power Coop Inc	—	813,903	34,223,857	—	5,587	1,540,458	43,315,008
Texas							
Brazos Electric Power Coop Inc	319,421	1,263,503	46,612,229	666,313	17,471,075	3,766,300	124,836,679
Northeast Texas Elec Coop Inc	—	215,545	6,701,212	—	—	1,270,054	36,759,808
Sam Rayburn G&T Elec Coop Inc.....	—	213,543	6,522,025	9,840	488,670	746,119	28,934,399
South Texas Electric Coop Inc.....	85,322	1,174,910	20,977,253	65,232	21,075,154	1,646,318	48,473,868
Tex-La Electric Coop-Texas Inc.....	2,225,702	185,752	7,567,944	28,814	529,531	1,008,497	42,955,159
Utah							
Deseret Generation & Tran Coop	21,660	14,633	285,840	1,437	26,685	56,099	1,289,686
Vermont							
Vermont Electric G&T Coop Inc	—	—	—	—	-24,160	96,677	3,277,036
Wisconsin							
Dairyland Power Coop.....	179,175	519,202	8,151,350	210	2,615	993,032	15,856,114

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •The Department of Agriculture under the Rural Electrification Act is authorized to provide Federal commitments for long-term financing and to guarantee non-Federal long-term loans to utilities supplying power to rural America. The utilities that received guarantees for their loans are referred to as borrowers by the RUS. Nonborrowing cooperatives and other utilities that do not borrow from the RUS are not required to file the RUS-7 and RUS-12 forms. •Power supply borrowers generate electricity and sell power to other utilities. •For identification purposes, the Cooperative Borrowers are listed in the State in which the administrative office is located. •Totals may not equal sum of components because of independent rounding.

Source: Rural Utilities Service, RUS Form 7, "Financial And Statistical Report," RUS Form 12a through 12i, "Electric Power Supply Borrowers," Form 12c through 12g, "Electric Distribution Borrowers with Generating Facilities."

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Alabama							
Arab Electric Coop Inc.....	—	—	275,546	12,596,003	—	—	—
Baldwin County El Member Corp.....	—	—	—	—	—	—	—
Black Warrior Elec Member Corp.....	280,862	10,380,815	29,491	1,131,413	—	—	—
Central Alabama Electric Coop.....	—	—	—	—	—	—	—
Cherokee Electric Coop.....	—	—	370,393	15,669,235	—	—	—
Clarke-Washington E M C.....	—	—	—	—	—	—	—
Coosa Valley Electric Coop Inc.....	—	—	—	—	—	—	—
Covington Electric Coop Inc.....	—	—	—	—	—	—	—
Cullman Electric Coop Inc.....	—	—	691,246	30,296,141	—	—	—
Dixie Electric Coop.....	—	—	—	—	—	—	—
Franklin Electric Coop.....	—	—	235,027	10,145,673	—	—	—
Joe Wheeler Elec Member Corp.....	—	—	811,077	35,585,983	—	—	—
North Alabama Electric Coop.....	—	—	443,354	17,591,383	—	—	—
Pea River Electric Coop.....	—	—	—	—	—	—	—
Pioneer Electric Coop Inc.....	—	—	—	—	—	—	—
Sand Mountain Electric Coop.....	—	—	464,751	20,790,286	—	—	—
South Alabama Elec Coop Inc.....	—	—	—	—	—	—	—
Southern Pine Elec Coop Inc.....	—	—	—	—	—	—	—
Tallapoosa River Elec Coop Inc.....	—	—	—	—	—	—	—
Tombigbee Electric Coop Inc.....	98,239	3,784,218	10,320	394,371	—	—	—
Wiregrass Electric Coop Inc.....	—	—	—	—	—	—	—
Alaska							
Copper Valley Elec Assn Inc.....	—	—	—	—	48,200	3,172,452	—
Golden Valley Elec Assn Inc.....	—	—	—	—	78,213	2,835,043	—
Homer Electric Assn Inc.....	—	—	—	—	—	—	—
Kodiak Electric Assn Inc.....	—	—	—	—	97,056	6,363,026	—
Matanuska Electric Assn Inc.....	—	—	27,303	463,838	—	—	—
Arizona							
Duncan Valley Elec Coop Inc.....	—	—	—	—	—	—	—
Mohave Electric Coop Inc.....	—	—	2,892	117,878	—	—	—
Navapache Electric Coop Inc.....	—	—	—	—	—	—	—
Sulphur Springs Valley E C Inc.....	—	—	—	—	—	—	—
Trico Electric Coop Inc.....	—	—	—	—	—	—	—
Arkansas							
Arkansas Valley Elec Coop Corp.....	588,946	19,315,374	—	—	—	—	—
Ashley Chicot Elec Coop Inc.....	—	—	—	—	—	—	—
C & L Electric Coop Corp.....	—	—	—	—	—	—	—
Carroll Electric Coop Corp.....	—	—	—	—	—	—	—
Clay County Electric Coop Corp.....	—	—	—	—	—	—	—
Craighead Electric Coop Corp.....	—	—	—	—	—	—	—
Farmers Electric Coop Corp.....	—	—	—	—	—	—	—
First Electric Coop Corp.....	—	—	—	—	—	—	—
Mississippi Cnty Elec Coop Inc.....	—	—	—	—	—	—	—
North Arkansas Elec Coop Inc.....	7,544	355,244	—	—	—	—	—
Ouachita Electric Coop Corp.....	—	—	—	—	—	—	—
Ozarks Electric Coop Corp.....	—	—	—	—	—	—	—
Petit Jean Electric Coop Corp.....	—	—	—	—	—	—	—
Rich Mountain Elec Coop Inc.....	—	—	—	—	—	—	—
South Central Ark El Coop Inc.....	—	—	—	—	—	—	—
Southwest Arkansas E C C.....	—	—	—	—	—	—	—
Woodruff Electric Coop Corp.....	—	—	—	—	—	—	—
California							
Anza Electric Coop Inc.....	—	—	—	—	—	—	—
Plumas-Sierra Rural Elec Coop.....	60	1,677	99,037	3,485,936	—	—	—
Surprise Valley Electric Corp.....	—	—	140,150	3,343,444	—	—	—
Colorado							
Delta Montrose Electric Assn.....	—	—	—	—	—	—	—
Empire Electric Assn Inc.....	—	—	—	—	—	—	—
Grand Valley Rrl Pwr Line Inc.....	103,284	4,483,033	7,709	154,988	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Alabama							
Arab Electric Coop Inc.....	—	—	—	—	—	275,546	12,596,003
Baldwin County El Member Corp.....	—	603,855	25,892,752	—	—	603,855	25,892,752
Black Warrior Elec Member Corp.....	—	—	—	—	—	310,353	11,512,228
Central Alabama Electric Coop.....	—	368,552	15,686,560	—	—	368,552	15,686,560
Cherokee Electric Coop.....	—	—	—	—	—	370,393	15,669,235
Clarke-Washington E M C.....	—	211,143	8,942,001	—	—	211,143	8,942,001
Coosa Valley Electric Coop Inc.....	—	145,645	6,368,248	—	—	145,645	6,368,248
Covington Electric Coop Inc.....	—	290,937	12,742,360	—	—	290,937	12,742,360
Cullman Electric Coop Inc.....	—	—	—	—	—	691,246	30,296,141
Dixie Electric Coop.....	—	203,665	8,432,218	—	—	203,665	8,432,218
Franklin Electric Coop.....	—	—	—	—	—	235,027	10,145,673
Joe Wheeler Elec Member Corp.....	—	—	—	—	—	811,077	35,585,983
North Alabama Electric Coop.....	—	—	—	—	—	443,354	17,591,383
Pea River Electric Coop.....	—	222,851	9,999,777	—	—	222,851	9,999,777
Pioneer Electric Coop Inc.....	—	138,782	5,675,872	—	—	138,782	5,675,872
Sand Mountain Electric Coop.....	—	—	—	—	—	464,751	20,790,286
South Alabama Elec Coop Inc.....	—	200,836	8,391,670	—	—	200,836	8,391,670
Southern Pine Elec Coop Inc.....	—	1,015,487	30,524,504	—	—	1,015,487	30,524,504
Tallapoosa River Elec Coop Inc.....	—	232,880	9,831,214	—	—	232,880	9,831,214
Tombigbee Electric Coop Inc.....	—	—	—	—	—	108,559	4,178,589
Wiregrass Electric Coop Inc.....	—	221,007	9,742,407	—	—	221,007	9,742,407
Alaska							
Copper Valley Elec Assn Inc.....	—	—	—	—	5,395	48,200	3,177,847
Golden Valley Elec Assn Inc.....	—	186,297	5,000,312	232	9,027	264,742	7,844,382
Homer Electric Assn Inc.....	—	429,942	18,791,145	—	2	429,942	18,791,147
Kodiak Electric Assn Inc.....	—	—	—	163	6,528	97,219	6,369,554
Matanuska Electric Assn Inc.....	—	430,123	21,261,065	481	19,227	457,907	21,744,130
Arizona							
Duncan Valley Elec Coop Inc.....	—	1,263,649	51,507,282	—	—	1,263,649	51,507,282
Mohave Electric Coop Inc.....	—	454,135	22,856,838	—	—	457,027	22,974,716
Navapache Electric Coop Inc.....	—	281,742	17,993,762	—	—	281,742	17,993,762
Sulphur Springs Valley E C Inc.....	—	448,153	21,692,865	—	—	448,153	21,692,865
Trico Electric Coop Inc.....	—	262,708	13,078,506	—	—	262,708	13,078,506
Arkansas							
Arkansas Valley Elec Coop Corp.....	—	164,399	7,975,801	—	—	753,345	27,291,175
Ashley Chicot Elec Coop Inc.....	—	62,573	3,059,224	—	—	62,573	3,059,224
C & L Electric Coop Corp.....	—	242,887	11,427,688	—	—	242,887	11,427,688
Carroll Electric Coop Corp.....	—	922,940	39,568,796	—	—	922,940	39,568,796
Clay County Electric Coop Corp.....	—	157,603	6,842,318	—	—	157,603	6,842,318
Craighead Electric Coop Corp.....	—	318,648	15,677,271	—	—	318,648	15,677,271
Farmers Electric Coop Corp.....	—	67,850	3,231,724	—	—	67,850	3,231,724
First Electric Coop Corp.....	—	1,123,829	49,471,981	—	—	1,123,829	49,471,981
Mississippi Cnty Elec Coop Inc.....	—	2,115,119	57,899,576	—	—	2,115,119	57,899,576
North Arkansas Elec Coop Inc.....	—	427,184	18,570,062	—	—	434,728	18,925,306
Ouachita Electric Coop Corp.....	—	191,853	7,730,766	—	—	191,853	7,730,766
Ozarks Electric Coop Corp.....	—	690,007	30,900,105	—	—	690,007	30,900,105
Petit Jean Electric Coop Corp.....	—	200,343	8,946,134	—	—	200,343	8,946,134
Rich Mountain Elec Coop Inc.....	—	86,491	4,002,000	—	—	86,491	4,002,000
South Central Ark El Coop Inc.....	—	196,515	7,403,303	—	—	196,515	7,403,303
Southwest Arkansas E C C.....	—	471,714	18,776,484	—	—	471,714	18,776,484
Woodruff Electric Coop Corp.....	—	276,073	10,878,420	—	—	276,073	10,878,420
California							
Anza Electric Coop Inc.....	—	35,958	1,681,320	—	—	35,958	1,681,320
Plumas-Sierra Rural Elec Coop.....	—	—	—	186	4,174	99,283	3,491,787
Surprise Valley Electric Coop.....	—	—	—	—	—	140,150	3,343,444
Colorado							
Delta Montrose Electric Assn.....	—	413,841	18,656,020	—	—	413,841	18,656,020
Empire Electric Assn Inc.....	—	343,495	14,272,459	—	—	343,495	14,272,459
Grand Valley Rrl Pwr Line Inc.....	—	—	—	—	—	110,993	4,638,021

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Colorado							
Gunnison County Elec Assn Inc	—	—	—	—	—	—	—
Highline Electric Assn	—	—	—	—	—	—	—
Holy Cross Electric Assn Inc	459,914	25,017,945	43,554	759,243	265,234	3,904,425	—
Intermountain Rural Elec Assn	780,790	32,353,666	131,410	2,655,257	—	—	—
K C Electric Assn	—	—	—	—	—	—	—
La Plata Electric Assn Inc	—	—	—	—	—	—	—
Morgan County Rural Elec Assn	—	—	—	—	—	—	—
Mountain Parks Electric Inc	—	—	—	—	—	—	—
Mountain View Elec Assn Inc	—	—	—	—	—	—	—
Poudre Valley R E A Inc	—	—	—	—	—	—	—
San Isabel Electric Assn Inc	—	—	—	—	—	—	—
San Luis Valley R E C Inc	—	—	—	—	—	—	—
San Miguel Power Assn Inc	—	—	—	—	—	—	—
Sangre De Cristo Elec Assn Inc	—	—	—	—	—	—	—
Southeast Colorado Power Assn	—	—	—	—	—	—	—
United Power Inc	398	16,878	—	—	—	—	—
White River Electric Assn Inc	—	—	—	—	—	—	—
Y-W Electric Assn Inc	—	—	—	—	—	—	—
Yampa Valley Electric Assn Inc	372,804	15,535,655	26,232	431,200	—	—	—
Delaware							
Delaware Electric Coop Inc	—	—	—	—	—	—	—
Florida							
Central Florida Elec Coop Inc	—	—	11,562	334,031	—	—	—
Choctawhatche Elec Coop Inc	—	—	—	—	—	—	—
Clay Electric Coop Inc	—	—	—	—	—	—	716
Escambia River Elec Coop Inc	—	—	—	—	—	—	—
Florida Keys El Coop Assn Inc	605,797	23,446,150	—	—	—	—	—
Glades Electric Coop Inc	—	—	—	—	—	—	—
Gulf Coast Electric Coop Inc	—	—	—	—	—	—	—
Peace River Electric Coop Inc	—	—	—	—	—	—	—
Sumter Electric Coop Inc	—	—	—	—	—	—	—
Suwannee Valley Elec Coop Inc	—	—	23,519	687,337	—	—	—
Talquin Electric Coop Inc	—	—	68,135	1,964,965	—	—	8,753
Tri-County Electric Coop Inc	—	—	25,741	748,813	—	—	—
West Florida El Coop Assn Inc	—	—	—	—	—	—	—
Withlacoochee River Elec Coop	—	—	—	—	—	—	—
Georgia							
Altamaha Electric Member Corp	—	—	17,670	465,856	—	—	—
Amicalola Electric Member Corp	—	—	18,743	494,158	—	—	—
Blue Ridge Mountain E M C	—	—	342,895	14,788,412	—	—	—
Canoochee Electric Member Corp	—	—	15,018	396,623	—	—	—
Carroll Electric Member Corp	14	4,161	27,588	728,610	—	—	—
Central Georgia El Member Corp	—	—	21,382	563,730	—	—	—
Coastal Electric Member Corp	—	—	4,981	131,547	—	—	—
Cobb Electric Membership Corp	—	—	61,656	1,625,536	—	—	—
Colquitt Electric Members Corp	—	—	62,743	1,654,178	—	—	—
Coweta-Fayette El Member Corp	—	—	21,079	556,714	—	—	—
Excelsior Electric Member Corp	—	—	14,418	380,126	—	—	—
Flint Electric Membership Corp	—	—	90,942	2,397,641	—	—	—
Grady County Elec Member Corp	—	—	17,022	449,547	—	—	—
GreyStone Power Corp	—	—	50,024	1,318,852	—	—	—
Habersham Electric Member Corp	—	—	16,578	437,069	—	—	—
Hart Electric Member Corp	—	—	30,903	808,680	—	—	—
Irwin Electric Membership Corp	—	—	13,556	357,387	—	—	—
Jackson Electric Member Corp	—	—	77,782	2,050,897	—	—	—
Jefferson Electric Member Corp	—	—	22,500	593,192	—	—	—
Lamar Electric Membership Corp	—	—	10,966	289,122	—	—	—
Little Ocmulgee El Member Corp	—	—	12,816	337,889	—	—	—
Middle Georgia El Member Corp	—	—	9,837	259,803	—	—	—
North Georgia Elec Member Corp	—	—	2,043,842	87,528,442	—	—	—
Ocmulgee Electric Member Corp	—	—	13,419	326,737	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Colorado							
Gunnison County Elec Assn Inc	—	97,075	4,571,770	—	—	97,075	4,571,770
Highline Electric Assn	—	327,592	14,230,448	4	1,276	327,596	14,231,724
Holy Cross Electric Assn Inc	—	7,373	117,225	—	—	776,075	29,798,838
Intermountain Rural Elec Assn	—	—	—	—	709,140	912,200	35,718,063
K C Electric Assn	—	171,209	6,830,442	—	—	171,209	6,830,442
La Plata Electric Assn Inc	—	566,359	24,002,007	—	—	566,359	24,002,007
Morgan County Rural Elec Assn	—	198,072	7,997,000	—	—	198,072	7,997,000
Mountain Parks Electric Inc	—	207,235	8,373,831	—	—	207,235	8,373,831
Mountain View Elec Assn Inc	—	356,011	14,287,133	—	—	356,011	14,287,133
Poudre Valley R E A Inc	—	588,254	22,481,997	—	—	588,254	22,481,997
San Isabel Electric Assn Inc	—	292,983	12,292,887	26	2,218	293,009	12,295,105
San Luis Valley R E C Inc	—	174,995	8,073,131	—	—	174,995	8,073,131
San Miguel Power Assn Inc	—	123,251	5,594,003	—	—	123,251	5,594,003
Sangre De Cristo Elec Assn Inc	—	66,216	3,030,778	—	—	66,216	3,030,778
Southeast Colorado Power Assn	—	168,625	7,335,670	—	—	168,625	7,335,670
United Power Inc	—	530,139	19,548,695	—	—	530,537	19,565,573
White River Electric Assn Inc	—	96,769	4,149,339	—	—	96,769	4,149,339
Y-W Electric Assn Inc	—	319,385	13,219,506	13	35,103	319,398	13,254,609
Yampa Valley Electric Assn Inc	—	7	323	—	—	399,043	15,967,178
Delaware							
Delaware Electric Coop Inc	—	652,719	35,660,322	—	—	652,719	35,660,322
Florida							
Central Florida Elec Coop Inc	—	270,128	14,358,347	—	—	281,690	14,692,378
Choctawhatche Elec Coop Inc	—	392,267	17,114,591	—	—	392,267	17,114,591
Clay Electric Coop Inc	51,156	1,844,873	95,619,889	—	—	1,845,589	95,671,045
Escambia River Elec Coop Inc	—	128,134	5,458,370	—	—	128,134	5,458,370
Florida Keys El Coop Assn Inc	—	—	—	5	360,212	605,802	23,806,362
Glades Electric Coop Inc	—	227,222	11,325,271	—	—	227,222	11,325,271
Gulf Coast Electric Coop Inc	—	181,492	7,687,824	—	—	181,492	7,687,824
Peace River Electric Coop Inc	—	272,937	14,322,691	—	—	272,937	14,322,691
Sumter Electric Coop Inc	—	1,078,940	57,636,156	—	—	1,078,940	57,636,156
Suwannee Valley Elec Coop Inc	—	207,979	10,875,904	—	—	231,498	11,563,241
Talquin Electric Coop Inc	662,475	607,065	30,314,801	—	—	683,953	32,942,241
Tri-County Electric Coop Inc	—	132,687	6,715,496	—	—	158,428	7,464,309
West Florida El Coop Assn Inc	—	284,428	12,392,331	—	—	284,428	12,392,331
Withlacoochee River Elec Coop	—	2,148,094	113,162,454	—	—	2,148,094	113,162,454
Georgia							
Altamaha Electric Member Corp	—	238,014	12,502,263	—	—	255,684	12,968,119
Amicalola Electric Member Corp	—	277,482	14,375,902	—	—	296,225	14,870,060
Blue Ridge Mountain E M C	—	—	—	—	—	342,895	14,788,412
Canoochee Electric Member Corp	—	224,389	12,364,857	—	—	239,407	12,761,480
Carroll Electric Member Corp	—	515,150	25,819,668	—	—	542,752	26,552,439
Central Georgia El Member Corp	—	375,271	20,997,395	—	—	396,653	21,561,125
Coastal Electric Member Corp	—	144,369	7,678,559	—	—	149,350	7,810,106
Cobb Electric Membership Corp	—	1,896,492	117,089,701	—	—	1,958,148	118,715,237
Colquitt Electric Members Corp	—	637,517	33,976,027	—	—	700,260	35,630,205
Coweta-Fayette El Member Corp	—	603,868	37,443,342	—	—	624,947	38,000,056
Excelsior Electric Member Corp	—	201,232	10,524,977	—	—	215,650	10,905,103
Flint Electric Membership Corp	—	871,037	48,191,863	—	—	961,979	50,589,504
Grady County Elec Member Corp	—	172,397	9,554,805	—	—	189,419	10,004,352
GreyStone Power Corp	—	932,680	54,175,951	—	—	982,704	55,494,803
Habersham Electric Member Corp	—	257,570	13,473,741	—	—	274,148	13,910,810
Hart Electric Member Corp	—	326,984	17,772,160	—	—	357,887	18,580,840
Irwin Electric Membership Corp	—	114,993	6,340,328	—	—	128,549	6,697,715
Jackson Electric Member Corp	—	1,995,666	112,483,346	—	—	2,073,448	114,534,243
Jefferson Electric Member Corp	—	342,416	20,048,900	—	—	364,916	20,642,092
Lamar Electric Membership Corp	—	167,587	9,417,905	—	—	178,553	9,707,027
Little Ocmulgee El Member Corp	—	96,185	5,087,896	—	—	109,001	5,425,785
Middle Georgia El Member Corp	—	71,389	3,757,722	—	—	81,226	4,017,525
North Georgia Elec Member Corp	—	—	—	—	—	2,043,842	87,528,442
Ocmulgee Electric Member Corp	—	102,443	5,933,422	—	—	115,862	6,260,159

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Georgia							
Oconee Electric Member Corp.....	—	—	12,935	341,034	—	—	—
Okefenoke Rural El Member Corp.....	—	—	15,379	406,154	—	—	—
Pataula Electric Member Corp.....	—	—	5,278	139,384	—	—	—
Planters Electric Member Corp.....	—	—	16,725	441,714	—	—	—
Rayle Electric Membership Corp.....	—	—	16,943	446,697	—	—	—
Satilla Rural Elec Member Corp.....	—	—	49,521	1,307,870	—	—	—
Sawnee Electric Members Corp.....	—	—	31,159	822,904	—	—	—
Slash Pine Elec Member Corp.....	—	—	7,816	206,053	—	—	—
Sumter Electric Member Corp.....	—	—	18,372	485,208	—	—	—
Three Notch Elec Member Corp.....	—	—	19,244	518,547	—	—	—
Tri-County Elec Member Corp.....	126	12,807	10,150	267,593	—	—	—
Tri-State Electric Member Corp.....	—	—	193,825	8,458,220	—	—	—
Troup Electric Members Corp.....	—	—	17,848	504,463	—	—	—
Upson County Elec Member Corp.....	—	—	7,441	196,138	—	—	—
Walton Electric Member Corp.....	—	—	48,721	1,284,502	—	—	—
Washington Elec Member Corp.....	—	—	23,125	609,690	—	—	—
Idaho							
Clearwater Power Co.....	—	—	165,847	4,524,369	—	—	—
Fall River Rural Elec Coop Inc.....	—	—	174,398	4,428,983	—	—	—
Idaho Cnty L&P Coop Assn Inc.....	—	—	39,741	1,002,269	—	—	—
Kootenai Electric Coop Inc.....	—	—	250,792	6,734,514	—	—	—
Lost River Electric Coop Inc.....	—	—	73,081	1,825,081	—	—	—
Northern Lights Inc.....	—	—	204,765	5,343,935	—	—	—
Raft River Rural Elec Coop Inc.....	—	—	214,367	5,070,728	—	—	—
Salmon River Electric Coop Inc.....	—	—	167,928	4,289,197	—	—	—
Illinois							
Adams Electrical Coop.....	—	—	—	—	—	—	—
Clay Electric Coop Inc.....	—	—	—	—	—	—	—
Clinton County Elec Coop Inc.....	—	—	—	—	—	—	—
Coles-Moultrie Electric Coop.....	—	—	—	—	—	—	—
Corn Belt Electric Coop Inc.....	17	1,568	—	—	—	—	—
Eastern Illini Electric Coop.....	—	—	—	—	—	—	—
Egyptian Electric Coop Assn.....	—	—	—	—	—	—	—
Farmers Mutual Electric Co.....	—	—	—	—	—	—	—
Illinois Rural Electric Co.....	—	—	—	—	—	—	—
Jo-Carroll Electric Coop Inc.....	—	—	—	—	—	—	—
M J M Electric Coop Inc.....	—	—	—	—	—	—	—
McDonough Power Coop.....	—	—	—	—	—	—	—
Menard Electric Coop.....	—	—	—	—	—	—	—
Monroe County Elec Coop Inc.....	—	—	—	—	—	—	—
Rural Electric Conven Coop.....	—	—	—	—	—	—	—
Southeastern IL Elec Coop Inc.....	—	—	—	—	—	—	—
Southern Illinois Elec Coop.....	—	—	—	—	—	—	—
Southwestern Electric Coop Inc.....	—	—	—	—	—	—	—
Spoon River Electric Coop Inc.....	—	—	—	—	—	—	—
Tri-County Electric Coop Inc.....	—	—	—	—	—	—	—
Wayne-White Counties Elec Coop.....	—	—	—	—	—	—	—
Western Illinois Elec Coop.....	—	—	—	—	—	—	—
Indiana							
Boone County Rural E M C.....	—	—	—	—	—	—	—
Daviess Martin County R E M C.....	—	—	—	—	—	—	—
Decatur County Rural E M C.....	—	—	—	—	—	—	—
Dubois Rural Electric Coop Inc.....	—	—	—	—	—	—	—
Fulton County Rural E M C.....	54,133	2,481,518	—	—	—	—	—
Hancock County Rural E M C.....	—	—	—	—	—	—	—
Harrison County Rural E M C.....	—	—	—	—	—	—	—
Jackson County Rural E M C.....	336,556	12,824,688	—	—	—	—	—
Jasper County Rural E M C.....	—	—	—	—	—	—	—
Jay County Rural E M C.....	—	—	—	—	—	—	—
Johnson County Rural E M C.....	—	—	—	—	—	—	—
Kankakee Valley Rural E M C.....	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Georgia							
Oconee Electric Member Corp.....	—	204,119	9,511,453	—	—	217,054	9,852,487
Okefenoke Rural EI Member Corp.....	—	310,888	16,874,917	—	—	326,267	17,281,071
Pataula Electric Member Corp.....	—	49,528	2,367,295	—	—	54,806	2,506,679
Planters Electric Member Corp.....	—	153,824	8,435,625	—	—	170,549	8,877,339
Rayle Electric Membership Corp.....	—	154,508	8,458,618	—	—	171,451	8,905,315
Satilla Rural Elec Member Corp.....	—	498,584	27,227,772	—	—	548,105	28,535,642
Sawnee Electric Members Corp.....	—	1,002,622	59,168,587	—	—	1,033,781	59,991,491
Slash Pine Elec Member Corp.....	—	85,016	4,249,035	—	—	92,832	4,455,088
Sumter Electric Member Corp.....	—	201,828	10,871,015	—	—	220,200	11,356,223
Three Notch Elec Member Corp.....	—	142,522	7,314,083	—	—	161,766	7,832,630
Tri-County Elec Member Corp.....	—	178,476	9,963,362	—	—	188,752	10,243,762
Tri-State Electric Member Corp.....	—	—	—	—	—	193,825	8,458,220
Troup Electric Members Corp.....	—	306,653	17,616,205	—	—	324,501	18,120,668
Upson County Elec Member Corp.....	—	80,396	4,588,883	—	—	87,837	4,785,021
Walton Electric Member Corp.....	—	1,210,879	75,040,413	—	—	1,259,600	76,324,915
Washington Elec Member Corp.....	—	291,551	12,451,975	—	—	314,676	13,061,665
Idaho							
Clearwater Power Co.....	—	—	140,735	—	—	165,847	4,665,104
Fall River Rural Elec Coop Inc.....	—	—	109,004	—	—	174,398	4,537,987
Idaho Cnty L&P Coop Assn Inc.....	—	—	—	—	—	39,741	1,002,269
Kootenai Electric Coop Inc.....	—	—	—	—	—	250,792	6,734,514
Lost River Electric Coop Inc.....	—	—	—	—	—	73,081	1,825,081
Northern Lights Inc.....	—	—	—	—	52,628	204,765	5,396,563
Raft River Rural Elec Coop Inc.....	—	—	199,026	—	—	214,367	5,269,754
Salmon River Electric Coop Inc.....	—	—	—	—	—	167,928	4,289,197
Illinois							
Adams Electrical Coop.....	—	93,961	7,144,131	—	—	93,961	7,144,131
Clay Electric Coop Inc.....	—	37,663	2,775,586	—	—	37,663	2,775,586
Clinton County Elec Coop Inc.....	—	103,617	6,782,811	—	—	103,617	6,782,811
Coles-Moultrie Electric Coop.....	—	139,787	9,481,866	—	—	139,787	9,481,866
Corn Belt Electric Coop Inc.....	—	228,307	15,533,085	—	—	228,324	15,534,653
Eastern Illini Electric Coop.....	—	202,268	13,225,145	—	—	202,268	13,225,145
Egyptian Electric Coop Assn.....	—	215,564	9,345,012	—	—	215,564	9,345,012
Farmers Mutual Electric Co.....	—	16,282	1,341,966	—	—	16,282	1,341,966
Illinois Rural Electric Co.....	—	113,252	8,339,016	—	—	113,252	8,339,016
Jo-Carroll Electric Coop Inc.....	—	74,281	3,079,816	—	—	74,281	3,079,816
M J M Electric Coop Inc.....	—	100,176	7,603,503	—	—	100,176	7,603,503
McDonough Power Coop.....	—	71,162	5,193,048	—	—	71,162	5,193,048
Menard Electric Coop.....	—	150,228	9,425,759	—	1,924	150,228	9,427,683
Monroe County Elec Coop Inc.....	—	71,674	5,123,623	—	—	71,674	5,123,623
Rural Electric Conven Coop.....	—	82,137	5,974,628	—	—	82,137	5,974,628
Southeastern IL Elec Coop Inc.....	—	577,240	24,337,780	—	—	577,240	24,337,780
Southern Illinois Elec Coop.....	—	154,659	6,607,215	—	—	154,659	6,607,215
Southwestern Electric Coop Inc.....	—	249,951	17,658,106	—	—	249,951	17,658,106
Spoon River Electric Coop Inc.....	—	49,851	3,527,909	—	—	49,851	3,527,909
Tri-County Electric Coop Inc.....	—	263,890	17,259,198	—	—	263,890	17,259,198
Wayne-White Counties Elec Coop.....	—	242,871	15,172,694	—	—	242,871	15,172,694
Western Illinois Elec Coop.....	—	37,218	2,827,064	—	—	37,218	2,827,064
Indiana							
Boone County Rural E M C.....	—	159,654	6,946,600	—	—	159,654	6,946,600
Daviess Martin County R E M C.....	—	127,274	5,665,429	—	—	127,274	5,665,429
Decatur County Rural E M C.....	—	213,007	8,842,141	—	—	213,007	8,842,141
Dubois Rural Electric Coop Inc.....	—	206,275	9,116,047	—	—	206,275	9,116,047
Fulton County Rural E M C.....	—	21,591	1,013,988	—	—	75,724	3,495,506
Hancock County Rural E M C.....	—	132,209	5,940,676	—	—	132,209	5,940,676
Harrison County Rural E M C.....	—	329,375	14,957,015	—	—	329,375	14,957,015
Jackson County Rural E M C.....	—	—	—	—	—	336,556	12,824,688
Jasper County Rural E M C.....	—	111,634	5,145,055	—	—	111,634	5,145,055
Jay County Rural E M C.....	—	93,360	4,030,537	—	—	93,360	4,030,537
Johnson County Rural E M C.....	—	204,427	9,473,758	—	—	204,427	9,473,758
Kankakee Valley Rural E M C.....	—	175,000	8,496,648	—	—	175,000	8,496,648

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Indiana							
Knox County Rural E M C.....	—	—	—	—	—	—	—
Kosciusko County Rural E M C.....	—	—	—	—	—	—	—
Lagrange County Rural E M C.....	—	—	—	—	—	—	—
Marshall County Rural E M C.....	—	—	—	—	—	—	—
Miami-Cass County Rural E M C.....	—	—	—	—	—	—	—
Newton County Rural E M C.....	—	—	—	—	—	—	—
Noble County Rural E M C.....	—	—	—	—	—	—	—
Northeastern Rural E M C.....	—	—	—	—	—	—	—
Orange County Rural E M C.....	—	—	—	—	—	—	—
Parke County Rural E M C.....	—	—	—	—	—	—	—
Rush County Rural E M C.....	—	—	—	—	—	—	—
Shelby County Rural E M C.....	—	—	—	—	—	—	—
South Central Indiana REMC.....	—	—	—	—	—	—	—
Southeastern Indiana R E M C.....	—	—	—	—	—	—	—
Southern Indiana R E C Inc.....	—	—	—	—	—	—	—
Steuben County Rural E M C.....	—	—	—	—	—	—	—
Sullivan County Rural E M C.....	—	—	—	—	—	—	—
Tipmont Rural Elec Member Corp.....	—	—	—	—	—	—	—
United Rural Elec Member Corp.....	—	—	—	—	—	—	—
Utilities Dist-Western IN REMC.....	—	—	—	—	—	—	—
Wabash County Rural E M C.....	—	—	—	—	—	—	—
Warren County Rural E M C.....	—	—	—	—	—	—	—
Wayne County Rural E M C.....	—	—	—	—	—	—	—
White County Rural E M C.....	—	—	—	—	—	—	—
Iowa							
Adams County Coop Electric Co.....	—	—	—	—	—	—	—
Allamakee-Clayton El Coop Inc.....	—	—	—	—	—	—	—
Benton County Elec Coop Assn.....	—	—	—	—	—	—	—
Buchanan County Rrl Elec Coop.....	—	—	—	—	—	—	—
Butler County Rural Elec Coop.....	—	—	—	—	—	—	—
Calhoun County Elec Coop Assn.....	—	—	—	—	—	—	—
Cedar Valley Electric Coop.....	—	—	—	—	—	—	—
Chariton Valley Elec Coop Inc.....	—	—	—	—	—	—	—
Clarke Electric Coop Inc.....	—	—	—	—	—	—	—
Eastern Iowa Light&Power Coop.....	—	—	—	—	—	—	—
Farmers Electric Coop Inc.....	—	—	—	—	—	—	—
Franklin Rural Electric Coop.....	—	—	—	—	—	—	—
Glidden Rural Electric Coop.....	—	—	—	—	—	—	—
Grundy County Rural Elec Coop.....	—	—	—	—	—	—	—
Guthrie County Rural E C A.....	—	—	—	—	—	—	—
Hancock County Rural Elec Coop.....	—	—	—	—	—	—	—
Harrison County Rrl Elec Coop.....	—	—	—	—	—	—	—
Hawkeye Tri-County El Coop Inc.....	—	—	—	—	—	—	—
Humboldt County R E C.....	—	—	—	—	—	—	—
Ida County Rural Electric Coop.....	—	—	—	—	—	—	—
Iowa Lakes Electric Coop.....	—	—	—	—	—	—	—
Linn County Rural E C A.....	—	—	—	—	—	—	—
Lyon Rural Electric Coop.....	—	—	—	—	—	—	—
Maquoketa Valley Rrl Elec Coop.....	—	—	—	—	—	—	—
Marshall County Rrl Elec Coop.....	—	—	—	—	—	—	—
Midland Power Coop.....	—	—	—	—	—	—	—
Monona County Rural Elec Coop.....	—	—	—	—	—	—	—
Nishnabotna Valley R E C.....	—	—	—	—	—	—	—
Nyman Electric Coop Inc.....	—	—	—	—	—	—	—
Osceola Electric Coop Inc.....	—	—	—	—	—	—	—
Pella Coop Elec Assn.....	—	—	—	—	—	—	—
Plymouth Electric Coop Assn.....	—	—	—	—	—	—	—
Rideta Electric Coop Inc.....	—	—	—	—	—	—	—
S E Iowa Coop Electric Assn.....	—	—	—	—	—	—	—
Sac County Rural Electric Coop.....	—	—	—	—	—	—	—
Sioux Electric Coop Assn.....	—	—	—	—	—	—	—
South Crawford Rural Elec Corp.....	—	—	—	—	—	—	—
Southern Iowa Elec Coop Inc.....	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Indiana							
Knox County Rural E M C.....	—	193,923	8,487,895	—	—	193,923	8,487,895
Kosciusko County Rural E M C.....	—	236,509	10,722,714	—	—	236,509	10,722,714
Lagrange County Rural E M C.....	—	81,862	3,657,898	—	—	81,862	3,657,898
Marshall County Rural E M C.....	—	74,445	3,430,889	—	—	74,445	3,430,889
Miami-Cass County Rural E M C.....	—	86,686	3,709,486	—	—	86,686	3,709,486
Newton County Rural E M C.....	—	24,399	1,145,816	—	—	24,399	1,145,816
Noble County Rural E M C.....	—	151,785	6,589,487	—	—	151,785	6,589,487
Northeastern Rural E M C.....	—	370,084	16,109,875	—	—	370,084	16,109,875
Orange County Rural E M C.....	—	81,233	3,718,375	—	—	81,233	3,718,375
Parke County Rural E M C.....	—	162,107	6,997,565	—	—	162,107	6,997,565
Rush County Rural E M C.....	—	73,675	3,262,649	—	—	73,675	3,262,649
Shelby County Rural E M C.....	—	133,722	6,094,306	—	—	133,722	6,094,306
South Central Indiana REMC.....	—	373,846	17,460,717	—	—	373,846	17,460,717
Southeastern Indiana R E M C.....	—	325,776	14,846,065	—	—	325,776	14,846,065
Southern Indiana R E C Inc.....	—	123,068	5,519,414	—	—	123,068	5,519,414
Steuben County Rural E M C.....	—	95,195	4,350,865	—	—	95,195	4,350,865
Sullivan County Rural E M C.....	—	115,356	5,174,351	—	—	115,356	5,174,351
Tipmont Rural Elec Member Corp.....	—	266,370	12,093,836	—	—	266,370	12,093,836
United Rural Elec Member Corp.....	—	380,532	16,237,060	—	—	380,532	16,237,060
Utilities Dist-Western IN REMC.....	—	251,412	11,424,718	—	—	251,412	11,424,718
Wabash County Rural E M C.....	—	123,890	5,498,445	—	—	123,890	5,498,445
Warren County Rural E M C.....	—	70,692	3,126,507	—	—	70,692	3,126,507
Wayne County Rural E M C.....	—	162,327	7,266,868	—	—	162,327	7,266,868
White County Rural E M C.....	—	100,428	4,399,568	—	—	100,428	4,399,568
Iowa							
Adams County Coop Electric Co.....	—	27,563	1,350,993	—	—	27,563	1,350,993
Allamakee-Clayton El Coop Inc.....	—	122,496	5,339,897	—	—	122,496	5,339,897
Benton County Elec Coop Assn.....	—	62,123	3,078,539	—	—	62,123	3,078,539
Buchanan County Rrl Elec Coop.....	—	88,456	4,204,077	—	—	88,456	4,204,077
Butler County Rural Elec Coop.....	—	100,532	4,929,997	6	267	100,538	4,930,264
Calhoun County Elec Coop Assn.....	—	30,016	1,427,807	—	—	30,016	1,427,807
Cedar Valley Electric Coop.....	—	61,990	2,536,132	—	—	61,990	2,536,132
Chariton Valley Elec Coop Inc.....	—	71,809	2,836,081	—	—	71,809	2,836,081
Clarke Electric Coop Inc.....	—	53,564	2,720,484	—	—	53,564	2,720,484
Eastern Iowa Light&Power Coop.....	—	327,308	16,534,760	—	—	327,308	16,534,760
Farmers Electric Coop Inc.....	—	103,435	4,742,216	—	—	103,435	4,742,216
Franklin Rural Electric Coop.....	—	38,039	1,856,865	—	—	38,039	1,856,865
Glidden Rural Electric Coop.....	—	37,571	1,770,882	—	—	37,571	1,770,882
Grundy County Rural Elec Coop.....	—	47,743	2,309,829	—	—	47,743	2,309,829
Guthrie County Rural E C A.....	—	59,712	2,984,746	—	—	59,712	2,984,746
Hancock County Rural Elec Coop.....	—	44,544	2,133,576	—	—	44,544	2,133,576
Harrison County Rrl Elec Coop.....	—	47,425	1,862,191	—	—	47,425	1,862,191
Hawkeye Tri-County El Coop Inc.....	—	118,755	5,131,656	2	90	118,757	5,131,746
Humboldt County R E C.....	—	40,804	1,924,157	—	—	40,804	1,924,157
Ida County Rural Electric Coop.....	—	35,529	1,368,012	—	—	35,529	1,368,012
Iowa Lakes Electric Coop.....	—	249,893	10,890,852	—	—	249,893	10,890,852
Linn County Rural E C A.....	—	175,352	9,502,391	—	—	175,352	9,502,391
Lyon Rural Electric Coop.....	—	56,408	1,804,871	—	—	56,408	1,804,871
Maquoketa Valley Rrl Elec Coop.....	—	223,657	11,834,804	—	—	223,657	11,834,804
Marshall County Rrl Elec Coop.....	—	70,740	3,637,135	—	—	70,740	3,637,135
Midland Power Coop.....	—	177,084	8,582,424	—	—	177,084	8,582,424
Monona County Rural Elec Coop.....	—	36,005	1,547,852	—	—	36,005	1,547,852
Nishnabotna Valley R E C.....	—	70,432	2,742,951	—	—	70,432	2,742,951
Nyman Electric Coop Inc.....	—	21,471	1,057,797	—	—	21,471	1,057,797
Osceola Electric Coop Inc.....	—	25,087	799,903	—	—	25,087	799,903
Pella Coop Elec Assn.....	—	38,061	1,964,194	—	—	38,061	1,964,194
Plymouth Electric Coop Assn.....	—	68,924	2,701,293	2	85	68,926	2,701,378
Rideta Electric Coop Inc.....	—	33,146	1,600,947	—	—	33,146	1,600,947
S E Iowa Coop Electric Assn.....	—	169,496	6,275,133	—	—	169,496	6,275,133
Sac County Rural Electric Coop.....	—	21,154	1,061,076	—	—	21,154	1,061,076
Sioux Electric Coop Assn.....	—	121,580	4,325,852	2	64	121,582	4,325,916
South Crawford Rural Elec Corp.....	—	70,361	2,607,563	—	—	70,361	2,607,563
Southern Iowa Elec Coop Inc.....	—	69,582	2,748,340	—	—	69,582	2,748,340

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Iowa							
T I P Rural Electric Coop	—	—	—	—	—	—	—
Winnebago Rural Elec Coop Assn.....	—	—	—	—	—	—	—
Woodbury County Rural E C A.....	—	—	—	—	—	—	—
Wright County Rural Elec Coop.....	—	—	—	—	—	—	—
Kansas							
Ark Valley Elec Coop Assn Inc.....	—	—	—	—	—	—	—
Brown-Atchison E C A Inc.....	—	—	—	—	—	—	—
Butler Rural El Coop Assn Inc.....	—	—	—	—	—	—	—
C & W Rural Elec Coop Assn Inc.....	—	—	—	—	—	—	—
Caney Valley El Coop Assn Inc.....	—	—	—	—	—	—	—
CMS Electric Coop Inc.....	—	—	—	—	—	—	—
D S & O Rural E C A Inc.....	—	—	—	—	—	—	—
Doniphan Elec Coop Assn Inc.....	16,388	589,352	—	—	—	—	—
Flint Hills Rural E C A Inc.....	—	—	—	—	—	—	—
Jewell-Mitchell Coop Elec Inc.....	—	—	—	—	—	—	—
Kaw Valley Electric Coop Inc.....	100,874	3,551,936	—	—	—	—	—
Lane-Scott Electric Coop Inc.....	—	—	—	—	—	—	—
Leavenworth-Jefferson E C Inc.....	—	—	—	—	—	—	—
Lyon-Coffey Electric Coop Inc.....	—	—	—	—	—	—	—
N C K Electric Coop Inc.....	—	—	—	—	—	—	—
Nemaha-Marshall E C A Inc.....	44,460	1,540,428	—	—	—	—	—
Ninnescah Rural E C A Inc.....	—	—	—	—	—	—	—
Northwest Kansas E C A Inc.....	—	—	—	—	—	—	—
Norton-Decatur Coop El Co Inc.....	—	—	—	—	—	—	—
P R & W Electric Coop Assn Inc.....	—	—	—	—	—	—	—
Pioneer Electric Coop Inc.....	—	—	—	—	—	—	—
Radiant Electric Coop Inc.....	—	—	—	—	—	—	—
Sedgwick Cnty El Coop Assn Inc.....	—	—	—	—	—	—	—
Sekan Electric Coop Assn Inc.....	—	—	—	—	—	—	—
Smoky Hill Elec Coop Assn Inc.....	—	—	—	—	—	—	—
Sumner-Cowley Elec Coop Inc.....	—	—	—	—	—	—	—
Twin Valley Electric Coop Inc.....	—	—	—	—	—	—	—
United Electric Coop Inc.....	—	—	—	—	—	—	—
Victory Electric Coop Assn Inc.....	—	—	—	—	—	—	—
Western Coop Electric Assn Inc.....	—	—	—	—	—	—	—
Wheatland Electric Coop Inc.....	—	—	—	—	—	—	—
Kentucky							
Big Sandy Rural Elec Coop Corp.....	—	—	—	—	—	—	—
Blue Grass Rural El Coop Corp.....	—	—	—	—	—	—	—
Clark Rural Electric Coop Corp.....	—	—	—	—	—	—	—
Cumberland Valley Rural E C C.....	—	—	—	—	—	—	—
Farmers Rural Elec Coop Corp.....	—	—	—	—	—	—	—
Fleming-Mason Rural E C C.....	—	—	—	—	—	—	—
Fox Creek Rural Elec Coop Corp.....	—	—	—	—	—	—	—
Grayson Rural Elec Coop Corp.....	—	—	—	—	—	—	—
Green River Electric Corp.....	—	—	—	—	—	—	—
Harrison County Rural E C C.....	—	—	—	—	—	—	—
Henderson-Union Rural E C C.....	—	—	—	—	—	—	—
Hickman-Fulton Counties RECC.....	—	—	118,362	5,204,205	—	—	—
Inter County Rural E C C.....	—	—	—	—	—	—	—
Jackson County Rural E C C.....	—	—	—	—	—	—	—
Jackson Purchase El Coop Corp.....	—	—	—	—	—	—	—
Licking Valley Rural E C C.....	—	—	—	—	—	—	—
Meade County Rural E C C.....	—	—	—	—	—	—	—
Nolin Rural Electric Coop Corp.....	—	—	—	—	—	—	—
Owen Electric Coop Inc.....	—	—	—	—	—	—	—
Pennyrite Rural Elec Coop Corp.....	—	—	833,559	37,121,893	—	—	—
Salt River Rural El Coop Corp.....	—	—	—	—	—	—	—
Shelby Rural Elec Coop Corp.....	—	—	—	—	—	—	—
South Kentucky Rural E C C.....	—	—	—	—	—	—	—
Taylor County Rural E C C.....	—	—	—	—	—	—	—
Warren Rural Elec Coop Corp.....	—	—	1,067,227	45,745,199	—	—	—
West Kentucky Rural E C C.....	—	—	768,045	31,959,622	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Iowa							
T I P Rural Electric Coop	—	101,539	5,088,933	—	—	101,539	5,088,933
Winnebago Rural Elec Coop Assn.....	—	37,784	1,580,789	—	—	37,784	1,580,789
Woodbury County Rural E C A.....	—	51,617	1,996,807	—	—	51,617	1,996,807
Wright County Rural Elec Coop.....	—	87,272	3,112,334	—	—	87,272	3,112,334
Kansas							
Ark Valley Elec Coop Assn Inc.....	—	71,344	3,975,755	32	762	71,376	3,976,517
Brown-Atchison E C A Inc.....	—	34,619	1,897,530	—	2	34,619	1,897,532
Butler Rural El Coop Assn Inc.....	—	86,868	4,976,293	12	280	86,880	4,976,573
C & W Rural Elec Coop Assn Inc.....	—	38,245	2,008,966	—	—	38,245	2,008,966
Caney Valley El Coop Assn Inc.....	—	51,873	2,797,538	—	—	51,873	2,797,538
CMS Electric Coop Inc.....	—	92,338	4,338,478	—	—	92,338	4,338,478
D S & O Rural E C A Inc.....	—	94,451	5,330,230	—	—	94,451	5,330,230
Doniphan Elec Coop Assn Inc.....	—	—	—	—	—	16,388	589,352
Flint Hills Rural E C A Inc.....	—	67,679	3,810,139	—	—	67,679	3,810,139
Jewell-Mitchell Coop Elec Inc.....	—	47,607	2,602,744	—	—	47,607	2,602,744
Kaw Valley Electric Coop Inc.....	—	—	—	—	—	100,874	3,551,936
Lane-Scott Electric Coop Inc.....	—	65,312	4,097,527	—	—	65,312	4,097,527
Leavenworth-Jefferson E C Inc.....	—	70,283	4,213,983	—	—	70,283	4,213,983
Lyon-Coffey Electric Coop Inc.....	—	84,885	4,465,622	—	—	84,885	4,465,622
N C K Electric Coop Inc.....	—	31,292	1,695,410	—	-318	31,292	1,695,092
Nemaha-Marshall E C A Inc.....	—	—	—	—	—	44,460	1,540,428
Ninnescah Rural E C A Inc.....	—	61,315	3,132,400	6	150	61,321	3,132,550
Northwest Kansas E C A Inc.....	—	31,555	1,916,089	1	13	31,556	1,916,102
Norton-Decatur Coop El Co Inc.....	—	105,251	5,419,890	14	133	105,265	5,420,023
P R & W Electric Coop Assn Inc.....	—	33,166	1,960,234	—	—	33,166	1,960,234
Pioneer Electric Coop Inc.....	—	261,424	14,223,911	96	923	261,520	14,224,834
Radiant Electric Coop Inc.....	—	45,652	2,330,427	—	—	45,652	2,330,427
Sedgwick Cnty El Coop Assn Inc.....	—	69,754	4,240,377	3	85	69,757	4,240,462
Sekan Electric Coop Assn Inc.....	—	51,906	2,841,754	—	—	51,906	2,841,754
Smoky Hill Elec Coop Assn Inc.....	—	40,544	2,133,512	56	4,685	40,600	2,138,197
Sumner-Cowley Elec Coop Inc.....	—	61,815	3,435,971	—	—	61,815	3,435,971
Twin Valley Electric Coop Inc.....	—	24,730	1,446,254	—	—	24,730	1,446,254
United Electric Coop Inc.....	—	58,309	3,152,679	656	16,825	58,965	3,169,504
Victory Electric Coop Assn Inc.....	—	95,626	4,837,609	10	333	95,636	4,837,942
Western Coop Electric Assn Inc.....	—	115,831	7,111,392	1	7	115,832	7,111,399
Wheatland Electric Coop Inc.....	—	628,227	33,880,273	26	258	628,253	33,880,531
Kentucky							
Big Sandy Rural Elec Coop Corp.....	—	216,165	8,962,308	—	—	216,165	8,962,308
Blue Grass Rural El Coop Corp.....	—	434,996	17,705,305	—	—	434,996	17,705,305
Clark Rural Electric Coop Corp.....	—	277,933	11,523,166	—	—	277,933	11,523,166
Cumberland Valley Rural E C C.....	—	394,440	16,330,933	—	—	394,440	16,330,933
Farmers Rural Elec Coop Corp.....	—	300,912	12,299,981	—	—	300,912	12,299,981
Fleming-Mason Rural E C C.....	—	565,267	20,175,674	—	—	565,267	20,175,674
Fox Creek Rural Elec Coop Corp.....	—	139,349	5,764,517	—	—	139,349	5,764,517
Grayson Rural Elec Coop Corp.....	—	183,581	7,548,326	—	—	183,581	7,548,326
Green River Electric Corp.....	—	4,111,295	129,390,291	-1,775	-80,571	4,109,520	129,309,720
Harrison County Rural E C C.....	—	185,981	7,271,163	—	—	185,981	7,271,163
Henderson-Union Rural E C C.....	—	2,534,810	90,188,347	—	—	2,534,810	90,188,347
Hickman-Fulton Counties RECC.....	—	—	—	—	—	118,362	5,204,205
Inter County Rural E C C.....	—	262,027	10,954,856	—	—	262,027	10,954,856
Jackson County Rural E C C.....	—	668,499	27,344,330	—	—	668,499	27,344,330
Jackson Purchase El Coop Corp.....	—	524,721	23,582,051	—	—	524,721	23,582,051
Licking Valley Rural E C C.....	—	203,885	8,421,993	—	—	203,885	8,421,993
Meade County Rural E C C.....	—	283,394	12,553,353	-620	-27,094	282,774	12,526,259
Nolin Rural Electric Coop Corp.....	—	483,574	19,430,400	—	—	483,574	19,430,400
Owen Electric Coop Inc.....	—	530,926	21,839,082	—	—	530,926	21,839,082
Pennyrite Rural Elec Coop Corp.....	—	—	—	—	—	833,559	37,121,893
Salt River Rural El Coop Corp.....	—	577,798	23,505,725	—	—	577,798	23,505,725
Shelby Rural Elec Coop Corp.....	—	289,280	11,190,801	—	—	289,280	11,190,801
South Kentucky Rural E C C.....	—	706,604	29,085,721	—	—	706,604	29,085,721
Taylor County Rural E C C.....	—	306,743	12,660,154	—	14,798	306,743	12,674,952
Warren Rural Elec Coop Corp.....	—	—	—	—	—	1,067,227	45,745,199
West Kentucky Rural E C C.....	—	—	—	—	591,201	768,045	32,550,823

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Louisiana							
Claiborne Electric Coop Inc.....	—	—	—	—	—	—	—
Concordia Electric Coop Inc.....	—	—	—	—	—	—	—
Dixie Electric Membership Corp.....	—	—	—	—	—	—	—
Jefferson Davis Elec Coop Inc.....	—	—	—	—	—	—	—
Northeast Louisiana Power Coop.....	—	—	—	—	—	—	—
Pointe Coupee Elec Member Corp.....	—	—	—	—	—	—	—
South Louisiana Elec Coop Assn.....	—	—	—	—	—	—	—
Southwest Louisiana E M C.....	—	—	—	—	—	—	—
Teche Electric Coop Inc.....	—	—	—	—	—	—	—
Valley Electric Member Corp.....	—	—	—	—	—	—	—
Washington-St Tammany E C Inc.....	—	—	—	—	—	—	—
Maine							
Eastern Maine Electric Coop.....	32,729	1,544,225	—	—	—	—	—
Fox Islands Electric Coop Inc.....	8,321	443,193	—	—	—	—	—
Swans Island Electric Coop Inc.....	2,063	162,154	—	—	—	—	—
Union River Electric Coop Inc.....	8,012	627,774	—	—	—	—	—
Maryland							
Choptank Electric Coop Inc.....	—	—	—	—	—	—	—
Southern Maryland El Coop Inc.....	2,356,346	113,251,124	—	—	—	—	—
Michigan							
Alger-Delta Coop Electric Assn.....	43,808	1,843,032	—	—	—	—	11,214
Cherryland Electric Coop Inc.....	—	—	—	—	—	—	—
Cloverland Electric Coop.....	185,514	4,483,091	—	—	—	—	—
Fruit Belt Electric Coop.....	—	—	—	—	—	—	—
O & A Electric Coop.....	—	—	—	—	—	—	—
Oceana Electric Coop.....	—	—	—	—	—	—	—
Ontonagon County R E A.....	22,055	935,572	—	—	—	—	—
Southeastern Michigan REC Inc.....	31,011	1,137,553	—	—	—	—	5,335
Thumb Electric Coop-Michigan.....	115,826	4,969,435	—	—	—	—	—
Top O Michigan Electric Co.....	—	—	—	—	—	—	—
Tri-County Electric Coop.....	—	—	—	—	—	—	—
Western Michigan Electric Coop.....	—	—	—	—	—	—	—
Minnesota							
Agralite Coop.....	—	—	—	—	—	—	—
Anoka Electric Coop.....	1,223,848	52,159,739	—	—	—	—	—
Arrowhead Electric Coop Inc.....	42,190	1,507,697	—	—	—	—	—
Beltrami Electric Coop Inc.....	—	—	—	—	—	—	—
Blue Earth-Nicollet-Faribault.....	—	—	—	—	—	—	—
Brown County Rural Elec Assn.....	—	—	—	—	—	—	—
Carlton County Coop Power Assn.....	123,047	4,690,906	—	—	—	—	—
Clearwater-Polk Elec Coop Inc.....	—	—	—	—	—	—	—
Coop L & P Assn of Lake County.....	62,982	2,209,840	—	—	—	—	—
Crow Wing Coop Power&Light Co.....	303,421	11,247,951	—	—	—	—	—
Dairyland Electric Coop Inc.....	141,203	5,873,893	—	—	—	—	—
Dakota Electric Assn.....	—	—	—	—	—	—	—
East Central Electric Assn.....	495,883	19,144,317	—	—	—	—	—
Federated Rural Electric Assn.....	—	—	—	—	—	—	—
Freeborn-Mower Electric Coop.....	—	—	—	—	—	—	—
Goodhue County Coop Elec Assn.....	—	—	—	—	—	—	—
Itasca-Mantrap Coop Elec Assn.....	78,359	2,800,885	23,910	440,153	—	—	—
Kandiyohi Coop Elec Power Assn.....	117,909	4,158,507	—	—	—	—	—
Lake Region Coop Elec Assn.....	—	—	—	—	—	—	—
Lyon-Lincoln Electric Coop Inc.....	—	—	—	—	—	—	—
McLeod Coop Power Assn.....	—	—	—	—	—	—	—
Meeker Coop Light & Power Assn.....	—	—	—	—	—	—	—
Mille Lacs Electric Coop.....	115,743	4,333,924	—	—	—	—	—
Minnesota Valley Coop L&P Assn.....	—	—	53,550	730,284	—	—	—
Minnesota Valley Electric Coop.....	—	—	—	—	—	—	—
Nobles Coop Electric.....	—	—	—	—	—	—	—
North Itasca Electric Coop Inc.....	34,322	1,348,216	—	—	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Louisiana							
Claiborne Electric Coop Inc.....	—	350,864	18,801,789	—	—	350,864	18,801,789
Concordia Electric Coop Inc.....	—	158,869	8,451,824	—	—	158,869	8,451,824
Dixie Electric Membership Corp.....	—	1,085,296	60,431,621	—	—	1,085,296	60,431,621
Jefferson Davis Elec Coop Inc.....	—	171,922	9,162,324	—	—	171,922	9,162,324
Northeast Louisiana Power Coop.....	—	204,296	11,579,620	—	—	204,296	11,579,620
Pointe Coupee Elec Member Corp.....	—	185,553	8,799,521	—	—	185,553	8,799,521
South Louisiana Elec Coop Assn.....	—	387,689	19,498,651	—	—	387,689	19,498,651
Southwest Louisiana E M C.....	—	1,342,374	70,615,486	—	—	1,342,374	70,615,486
Teche Electric Coop Inc.....	—	165,413	8,704,171	—	—	165,413	8,704,171
Valley Electric Member Corp.....	—	449,118	25,273,494	—	—	449,118	25,273,494
Washington-St Tammany E C Inc.....	—	580,035	31,513,821	—	—	580,035	31,513,821
Maine							
Eastern Maine Electric Coop.....	—	—	—	87,485	4,108,072	120,214	5,652,297
Fox Islands Electric Coop Inc.....	—	—	—	—	—	8,321	443,193
Swans Island Electric Coop Inc.....	—	—	—	—	—	2,063	162,154
Union River Electric Coop Inc.....	—	—	—	—	—	8,012	627,774
Maryland							
Choptank Electric Coop Inc.....	—	608,517	32,168,321	—	—	608,517	32,168,321
Southern Maryland El Coop Inc.....	—	—	—	—	2,000,060	2,356,346	115,251,184
Michigan							
Alger-Delta Coop Electric Assn.....	682,286	—	—	—	—	55,022	2,525,318
Cherryland Electric Coop Inc.....	—	—	—	222,725	12,051,116	222,725	12,051,116
Cloverland Electric Coop.....	—	—	—	2	166	185,516	4,483,257
Fruit Belt Electric Coop.....	—	331,583	13,085,481	—	—	331,583	13,085,481
O & A Electric Coop.....	—	—	—	233,631	12,801,623	233,631	12,801,623
Oceana Electric Coop.....	—	—	—	86,479	4,604,054	86,479	4,604,054
Ontonagon County R E A.....	—	—	—	—	—	22,055	935,572
Southeastern Michigan REC Inc.....	311,480	11,696	467,565	—	—	48,042	1,916,598
Thumb Electric Coop-Michigan.....	—	—	—	—	15,162	115,826	4,984,597
Top O' Michigan Electric Co.....	—	—	—	423,072	22,662,428	423,072	22,662,428
Tri-County Electric Coop.....	—	—	—	210,230	11,622,386	210,230	11,622,386
Western Michigan Electric Coop.....	—	—	—	62,029	3,403,099	62,029	3,403,099
Minnesota							
Agralite Coop.....	—	104,066	3,052,753	34	2,168	104,100	3,054,921
Anoka Electric Coop.....	—	—	—	—	—	1,223,848	52,159,739
Arrowhead Electric Coop Inc.....	—	—	—	—	—	42,190	1,507,697
Beltrami Electric Coop Inc.....	—	333,536	10,422,096	—	—	333,536	10,422,096
Blue Earth-Nicollet-Faribault.....	—	196,629	7,924,685	5	328	196,634	7,925,013
Brown County Rural Elec Assn.....	—	92,505	3,160,078	—	—	92,505	3,160,078
Carlton County Coop Power Assn.....	—	—	—	—	—	123,047	4,690,906
Clearwater-Polk Elec Coop Inc.....	—	59,361	2,001,580	—	—	59,361	2,001,580
Coop L & P Assn of Lake County.....	—	—	—	—	—	62,982	2,209,840
Crow Wing Coop Power&Light Co.....	—	—	—	—	—	303,421	11,247,951
Dairyland Electric Coop Inc.....	—	—	—	—	—	141,203	5,873,893
Dakota Electric Assn.....	—	1,127,622	50,386,078	—	—	1,127,622	50,386,078
East Central Electric Assn.....	—	—	—	—	—	495,883	19,144,317
Federated Rural Electric Assn.....	—	124,986	3,871,964	—	—	124,986	3,871,964
Freeborn-Mower Electric Coop.....	—	125,976	4,991,305	—	—	125,976	4,991,305
Goodhue County Coop Elec Assn.....	—	72,332	3,389,834	—	—	72,332	3,389,834
Itasca-Mantrap Coop Elec Assn.....	—	—	—	—	—	102,269	3,241,038
Kandiyohi Coop Elec Power Assn.....	—	—	—	—	—	117,909	4,158,507
Lake Region Coop Elec Assn.....	—	280,511	10,189,176	23	1,342	280,534	10,190,518
Lyon-Lincoln Electric Coop Inc.....	—	69,934	2,677,762	—	—	69,934	2,677,762
McLeod Coop Power Assn.....	—	114,947	4,663,315	—	—	114,947	4,663,315
Meeker Coop Light & Power Assn.....	—	119,076	4,287,927	2	126	119,078	4,288,053
Mille Lacs Electric Coop.....	—	—	—	—	—	115,743	4,333,924
Minnesota Valley Coop L&P Assn.....	—	86,512	3,827,157	—	—	140,062	4,557,441
Minnesota Valley Electric Coop.....	—	250,017	10,669,448	—	-76,371	250,017	10,593,077
Nobles Coop Electric.....	—	101,397	3,049,663	7	368	101,404	3,050,031
North Itasca Electric Coop Inc.....	—	—	—	—	—	34,322	1,348,216

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Minnesota							
North Pine Electric Coop Inc	89,052	3,391,441	—	—	—	—	—
North Star Electric Coop Inc	—	—	—	—	—	—	—
Northern Electric Coop Assn	186,541	7,268,009	—	—	—	—	—
P K M Electric Coop Inc	—	—	—	—	—	—	—
People 's Coop Power Assn	—	—	—	—	—	—	—
Red Lake Electric Coop Inc	—	—	—	—	—	—	—
Red River Valley Coop Pwr Assn	—	—	—	—	—	—	—
Redwood Electric Coop	—	—	—	—	—	—	—
Renville-Sibley Coop Pwr Assn	—	—	—	—	—	—	—
Roseau Electric Coop Inc	—	—	—	—	—	—	—
Runestone Electric Assn	—	—	—	—	—	—	—
South Central Electric Assn	—	—	—	—	—	—	—
Southwestern Minnesota Coop El	—	—	—	—	—	—	—
Stearns Coop Electric Assn	—	—	—	—	—	—	—
Steele-Waseca Coop Electric	—	—	—	—	—	—	—
Todd-Wadena Electric Coop	—	—	—	—	—	—	—
Traverse Electric Coop Inc	—	—	—	—	—	—	—
Tri-County Electric Coop	—	—	—	—	—	—	—
Wild Rice Electric Coop Inc	—	—	—	—	—	—	—
Wright-Hennepin Coop Elec Assn	455,851	18,002,647	—	—	—	—	—
Mississippi							
Central Electric Power Assn	—	—	494,263	20,816,411	—	—	—
Coahoma Electric Power Assn	—	—	—	—	—	—	—
Coast Electric Power Assn	—	—	—	—	—	—	—
Delta Electric Power Assn	—	—	—	—	—	—	—
Dixie Electric Power Assn	—	—	—	—	—	—	—
East Mississippi Elec Pwr Assn	299,977	11,246,322	207,363	8,494,859	—	—	—
Magnolia Electric Power Assn	—	—	—	—	—	—	—
Monroe County Elec Power Assn	—	—	160,377	6,962,593	—	—	—
Natchez Trace Elec Power Assn	—	—	302,696	13,634,169	—	—	—
North East Mississippi E P A	—	—	337,906	14,217,776	—	—	—
Northcentral Mississippi E P A	—	—	369,957	24,830,798	—	—	—
Pearl River Valley El Pwr Assn	—	—	—	—	—	—	—
Singing River Elec Power Assn	—	—	—	—	—	—	—
Southern Pine Elec Power Assn	—	—	—	—	—	—	—
Southwest Mississippi E P A	—	—	—	—	—	—	—
Tallahatchie Valley E P A	—	—	551,777	24,176,116	—	—	—
Tishomingo County E P A	—	—	216,526	9,882,298	—	—	—
Tombigbee Electric Power Assn	—	—	814,863	36,472,047	—	—	—
Twin County Electric Pwr Assn	—	—	—	—	—	—	—
Yazoo Valley Elec Power Assn	—	—	—	—	—	—	—
4-County Electric Power Assn	—	—	796,912	33,446,870	—	—	—
Missouri							
Atchison-Holt Electric Coop	—	—	—	—	—	—	—
Barry Electric Coop	—	—	—	—	—	—	—
Barton County Elec Coop Inc	—	—	—	—	—	—	—
Black River Electric Coop	—	—	—	—	—	—	—
Boone Electric Coop	—	—	—	—	—	—	—
Callaway Electric Coop	—	—	—	—	—	—	—
Central Missouri Elec Coop Inc	—	—	—	—	—	—	—
Citizens Electric Corp	700,219	25,113,807	—	—	—	—	—
Consolidated Electric Coop	—	—	—	—	—	—	—
Crawford Electric Coop Inc	—	—	—	—	—	—	—
CO-MO Electric Coop Inc	—	—	—	—	—	—	—
Farmers ' Electric Coop Inc	—	—	—	—	—	—	—
Gascoage Electric Coop	—	—	—	—	—	—	—
Grundy Electric Coop Inc	—	—	—	—	—	—	—
Howard Electric Coop	—	—	—	—	—	—	—
Howell-Oregon Elec Coop Inc	—	—	—	—	—	—	—
Intercounty Electric Coop Assn	—	—	—	—	—	—	—
Laclede Electric Coop Inc	—	—	—	—	—	—	—
Lewis County Rural E C A	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Minnesota							
North Pine Electric Coop Inc	—	—	—	—	—	89,052	3,391,441
North Star Electric Coop Inc	—	89,084	2,633,746	—	—	89,084	2,633,746
Northern Electric Coop Assn	—	—	—	—	—	186,541	7,268,009
P K M Electric Coop Inc	—	99,786	3,140,337	—	—	99,786	3,140,337
People 's Coop Power Assn	—	214,670	8,848,806	8	506	214,678	8,849,312
Red Lake Electric Coop Inc	—	106,544	3,509,344	—	2,776	106,544	3,512,120
Red River Valley Coop Pwr Assn	—	119,141	3,870,507	—	—	119,141	3,870,507
Redwood Electric Coop	—	56,528	1,732,766	33	2,301	56,561	1,735,067
Renville-Sibley Coop Pwr Assn	—	70,656	2,342,898	—	—	70,656	2,342,898
Roseau Electric Coop Inc	—	134,467	3,782,646	6	400	134,473	3,783,046
Runestone Electric Assn	—	159,323	5,337,880	—	—	159,323	5,337,880
South Central Electric Assn	—	90,260	2,801,631	—	—	90,260	2,801,631
Southwestern Minnesota Coop El	—	73,081	2,308,634	50	2,862	73,131	2,311,496
Stearns Coop Electric Assn	—	297,000	11,572,892	14	1,018	297,014	11,573,910
Steele-Waseca Coop Electric	—	131,293	5,289,094	5	398	131,298	5,289,492
Todd-Wadena Electric Coop	—	125,282	4,287,102	—	—	125,282	4,287,102
Traverse Electric Coop Inc	—	64,344	2,257,346	—	—	64,344	2,257,346
Tri-County Electric Coop	—	243,842	9,980,615	46	3,153	243,888	9,983,768
Wild Rice Electric Coop Inc	—	183,371	5,950,373	—	—	183,371	5,950,373
Wright-Hennepin Coop Elec Assn	—	—	—	—	—	455,851	18,002,647
Mississippi							
Central Electric Power Assn	—	—	—	—	—	494,263	20,816,411
Coahoma Electric Power Assn	—	101,367	4,729,482	—	—	101,367	4,729,482
Coast Electric Power Assn	—	923,389	41,683,291	—	—	923,389	41,683,291
Delta Electric Power Assn	—	399,293	18,816,555	—	—	399,293	18,816,555
Dixie Electric Power Assn	—	505,375	23,849,426	—	—	505,375	23,849,426
East Mississippi Elec Pwr Assn	—	—	—	—	—	507,340	19,741,181
Magnolia Electric Power Assn	—	428,158	19,045,115	—	—	428,158	19,045,115
Monroe County Elec Power Assn	—	—	—	—	—	160,377	6,962,593
Natchez Trace Elec Power Assn	—	—	—	—	—	302,696	13,634,169
North East Mississippi E P A	—	—	—	—	—	337,906	14,217,776
Northcentral Mississippi E P A	—	—	—	—	—	369,957	24,830,798
Pearl River Valley El Pwr Assn	—	503,354	22,986,266	—	—	503,354	22,986,266
Singing River Elec Power Assn	—	911,066	41,548,031	—	—	911,066	41,548,031
Southern Pine Elec Power Assn	—	1,389,475	59,144,967	—	—	1,389,475	59,144,967
Southwest Mississippi E P A	—	372,818	16,726,905	—	—	372,818	16,726,905
Tallahatchie Valley E P A	—	—	—	—	—	551,777	24,176,116
Tishomingo County E P A	—	—	—	—	—	216,526	9,882,298
Tombigbee Electric Power Assn	—	—	—	—	—	814,863	36,472,047
Twin County Electric Pwr Assn	—	229,376	10,553,664	—	—	229,376	10,553,664
Yazoo Valley Elec Power Assn	—	216,381	7,889,694	—	—	216,381	7,889,694
4-County Electric Power Assn	—	—	—	—	—	796,912	33,446,870
Missouri							
Atchison-Holt Electric Coop	—	48,582	1,957,954	—	—	48,582	1,957,954
Barry Electric Coop	—	136,140	5,790,167	—	—	136,140	5,790,167
Barton County Elec Coop Inc	—	82,451	3,651,603	—	—	82,451	3,651,603
Black River Electric Coop	—	333,855	12,616,604	—	—	333,855	12,616,604
Boone Electric Coop	—	344,084	13,762,787	—	—	344,084	13,762,787
Callaway Electric Coop	—	135,527	5,284,033	—	—	135,527	5,284,033
Central Missouri Elec Coop Inc	—	145,642	5,521,245	—	—	145,642	5,521,245
Citizens Electric Corp	—	—	—	—	—	700,219	25,113,807
Consolidated Electric Coop	—	156,894	5,751,747	—	—	156,894	5,751,747
Crawford Electric Coop Inc	—	200,461	7,971,266	—	—	200,461	7,971,266
CO-MO Electric Coop Inc	—	262,124	10,628,487	—	—	262,124	10,628,487
Farmers ' Electric Coop Inc	—	229,047	8,105,878	—	—	229,047	8,105,878
Gascoage Electric Coop	—	102,959	4,197,005	—	—	102,959	4,197,005
Grundy Electric Coop Inc	—	118,701	4,136,350	—	—	118,701	4,136,350
Howard Electric Coop	—	31,247	1,190,736	—	—	31,247	1,190,736
Howell-Oregon Elec Coop Inc	—	275,420	10,426,888	833	38,338	276,253	10,465,226
Intercounty Electric Coop Assn	—	390,615	15,810,409	—	—	390,615	15,810,409
Laclede Electric Coop Inc	—	428,598	17,278,864	—	—	428,598	17,278,864
Lewis County Rural E C A	—	78,574	3,034,807	—	—	78,574	3,034,807

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Missouri							
Macon Electric Coop.....	—	—	—	—	—	—	—
Missouri Rural Electric Coop.....	—	—	—	—	—	—	—
New-Mac Electric Coop Inc.....	—	—	—	—	—	—	—
Nodaway Worth Elec Coop Inc.....	—	—	—	—	—	—	—
North Central MO Elec Coop Inc.....	—	—	—	—	—	—	—
Northwest Missouri El Coop Inc.....	—	—	—	—	—	—	—
Osage Valley Elec Coop Assn.....	—	—	—	—	—	—	—
Ozark Border Electric Coop.....	—	—	—	—	—	—	—
Ozark Electric Coop Inc.....	—	—	—	—	—	—	—
Pemiscot-Dunklin Elec Coop Inc.....	—	—	—	—	—	—	—
Platte-Clay Electric Coop Inc.....	—	—	—	—	—	—	—
Ralls County Electric Coop.....	31	2,099	—	—	—	—	—
Sac-Osage Electric Coop Inc.....	—	—	—	—	—	—	—
Scott-New Madrid-MS Elec Coop.....	—	—	—	—	—	—	—
Southwest Electric Coop Inc.....	—	—	—	—	—	—	—
SE-MA-NO Electric Coop.....	—	—	—	—	—	—	—
Three Rivers Electric Coop.....	—	—	—	—	—	—	—
Tri-County Electric Coop Assn.....	—	—	—	—	—	—	—
Webster Electric Coop.....	—	—	—	—	—	—	—
West Central Electric Coop Inc.....	—	—	—	—	—	—	—
White River Valley El Coop Inc.....	—	—	—	—	—	—	—
Montana							
Beartooth Electric Coop Inc.....	—	—	—	—	—	—	—
Big Flat Electric Coop Inc.....	—	—	—	—	—	—	—
Big Horn County Elec Coop Inc.....	—	—	—	—	—	—	—
Fergus Electric Coop Inc.....	—	—	—	—	—	—	—
Flathead Electric Coop Inc.....	—	—	191,368	5,072,752	—	—	—
Glacier Electric Coop Inc.....	—	—	156,922	4,051,821	—	—	—
Goldenwest Electric Coop Inc.....	—	—	—	—	—	—	—
Hill County Electric Coop Inc.....	—	—	—	—	—	—	—
Lincoln Electric Coop Inc.....	—	—	105,337	2,762,704	—	—	—
Lower Yellowstone R E A Inc.....	—	—	—	—	—	—	—
Marias River Electric Coop Inc.....	—	—	—	—	—	—	—
McCone Electric Coop Inc.....	—	—	—	—	—	—	—
Mid-Yellowstone Elec Coop Inc.....	—	—	—	—	—	—	—
Missoula Electric Coop Inc.....	—	—	151,546	4,032,716	—	—	—
Northern Electric Coop Inc.....	—	—	—	—	—	—	—
Park Electric Coop Inc.....	—	—	—	—	—	—	—
Ravalli County Elec Coop Inc.....	—	—	100,139	2,628,150	—	—	—
Sheridan Electric Coop Inc.....	—	—	—	—	—	—	—
Southeast Electric Coop Inc.....	—	—	—	—	—	—	—
Sun River Electric Coop Inc.....	—	—	—	—	—	—	—
Tongue River Electric Coop Inc.....	—	—	—	—	—	—	—
Valley Electric Coop Inc.....	—	—	—	—	—	—	—
Vigilante Electric Coop Inc.....	—	—	119,924	3,098,178	—	—	—
Yellowstone Vly Elec Coop Inc.....	—	—	—	—	—	—	—
Nebraska							
Midwest Electric Member Corp.....	—	—	—	—	—	—	—
Panhandle Rural El Member Assn.....	—	—	—	—	—	—	—
Nevada							
Mt Wheeler Power Inc.....	—	90,519	—	—	—	—	—
Valley Electric Assn Inc.....	128,640	3,761,081	—	—	196,061	3,679,246	—
Wells Rural Electric Co.....	—	14,238	482,655	12,544,271	—	—	—
New Hampshire							
New Hampshire Elec Coop Inc.....	631,173	50,530,112	—	—	—	—	—
New Jersey							
Sussex Rural Electric Coop Inc.....	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Missouri							
Macon Electric Coop.....	—	214,849	7,221,054	—	—	214,849	7,221,054
Missouri Rural Electric Coop.....	—	268,779	9,155,307	—	—	268,779	9,155,307
New-Mac Electric Coop Inc.....	—	181,911	8,228,404	—	—	181,911	8,228,404
Nodaway Worth Elec Coop Inc.....	—	46,359	1,936,385	—	—	46,359	1,936,385
North Central MO Elec Coop Inc.....	—	99,195	3,334,029	—	—	99,195	3,334,029
Northwest Missouri El Coop Inc.....	—	77,471	3,078,488	—	—	77,471	3,078,488
Osage Valley Elec Coop Assn.....	—	185,941	8,565,122	—	—	185,941	8,565,122
Ozark Border Electric Coop.....	—	444,974	17,683,704	—	—	444,974	17,683,704
Ozark Electric Coop Inc.....	—	323,589	14,938,173	—	—	323,589	14,938,173
Pemiscot-Dunklin Elec Coop Inc.....	—	96,445	3,889,351	—	—	96,445	3,889,351
Platte-Clay Electric Coop Inc.....	—	291,132	11,604,436	—	—	291,132	11,604,436
Ralls County Electric Coop.....	—	60,048	2,357,860	—	—	60,079	2,359,959
Sac-Osage Electric Coop Inc.....	—	103,387	4,742,681	—	—	103,387	4,742,681
Scott-New Madrid-MS Elec Coop.....	—	210,059	8,485,471	—	—	210,059	8,485,471
Southwest Electric Coop Inc.....	—	354,807	16,480,296	—	—	354,807	16,480,296
SE-MA-NO Electric Coop.....	—	67,506	2,634,443	—	—	67,506	2,634,443
Three Rivers Electric Coop.....	—	272,755	10,581,410	—	—	272,755	10,581,410
Tri-County Electric Coop Assn.....	—	101,662	3,858,269	—	—	101,662	3,858,269
Webster Electric Coop.....	—	218,192	8,572,505	—	—	218,192	8,572,505
West Central Electric Coop Inc.....	—	154,237	6,148,920	—	—	154,237	6,148,920
White River Valley El Coop Inc.....	—	485,167	20,483,619	206	8,855	485,373	20,492,474
Montana							
Beartooth Electric Coop Inc.....	—	49,035	1,391,114	—	—	49,035	1,391,114
Big Flat Electric Coop Inc.....	—	68,999	1,629,137	—	—	68,999	1,629,137
Big Horn County Elec Coop Inc.....	—	53,623	1,496,841	—	—	53,623	1,496,841
Fergus Electric Coop Inc.....	—	87,478	2,361,527	—	—	87,478	2,361,527
Flathead Electric Coop Inc.....	—	—	—	—	—	191,368	5,072,752
Glacier Electric Coop Inc.....	—	—	—	—	—	156,922	4,051,821
Goldenwest Electric Coop Inc.....	—	13,654	526,134	—	—	13,654	526,134
Hill County Electric Coop Inc.....	—	53,107	1,347,079	—	—	53,107	1,347,079
Lincoln Electric Coop Inc.....	—	—	—	—	—	105,337	2,762,704
Lower Yellowstone R E A Inc.....	—	73,649	3,000,045	—	—	73,649	3,000,045
Marias River Electric Coop Inc.....	—	84,776	2,180,741	—	—	84,776	2,180,741
McCone Electric Coop Inc.....	—	64,420	2,306,632	—	—	64,420	2,306,632
Mid-Yellowstone Elec Coop Inc.....	—	29,006	725,382	—	—	29,006	725,382
Missoula Electric Coop Inc.....	—	—	—	—	—	151,546	4,032,716
Northern Electric Coop Inc.....	—	31,906	715,895	—	—	31,906	715,895
Park Electric Coop Inc.....	—	51,470	1,456,080	5	184	51,475	1,456,264
Ravalli County Elec Coop Inc.....	—	—	—	—	—	100,139	2,628,150
Sheridan Electric Coop Inc.....	—	80,263	2,943,679	—	—	80,263	2,943,679
Southeast Electric Coop Inc.....	—	22,377	827,069	—	—	22,377	827,069
Sun River Electric Coop Inc.....	—	84,348	2,062,766	—	—	84,348	2,062,766
Tongue River Electric Coop Inc.....	—	85,503	2,176,839	—	—	85,503	2,176,839
Valley Electric Coop Inc.....	—	23,464	636,449	—	—	23,464	636,449
Vigilante Electric Coop Inc.....	—	—	—	—	—	119,924	3,098,178
Yellowstone Vly Elec Coop Inc.....	—	166,607	4,761,895	—	—	166,607	4,761,895
Nebraska							
Midwest Electric Member Corp.....	—	143,405	6,785,089	—	—	143,405	6,785,089
Panhandle Rural El Member Assn.....	—	102,097	4,476,968	82	6,972	102,179	4,483,940
Nevada							
Mt Wheeler Power Inc.....	—	91,272	5,193,001	84,011	1,708,490	175,283	6,992,010
Valley Electric Assn Inc.....	—	—	—	11,471	694,679	336,172	8,135,006
Wells Rural Electric Co.....	—	—	—	—	—	482,655	12,558,509
New Hampshire							
New Hampshire Elec Coop Inc.....	—	—	—	-9,931	-303,835	621,242	50,226,277
New Jersey							
Sussex Rural Electric Coop Inc.....	—	120,476	7,254,108	—	—	120,476	7,254,108

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
New Mexico							
Central New Mexico El Coop Inc	—	—	—	—	—	—	—
Central Valley Elec Coop Inc	346,166	11,530,141	—	—	—	—	—
Columbus Electric Coop Inc	—	—	—	—	—	—	—
Continental Divide El Coop Inc.....	—	—	—	—	—	—	—
Farmers ' Electric Coop Inc.....	167,881	6,099,138	—	—	—	—	—
Jemez Mountains Elec Coop Inc.....	—	—	—	—	—	—	—
Kit Carson Electric Coop Inc.....	—	—	—	—	—	—	—
Lea County Electric Coop Inc.....	729,366	23,714,942	—	—	—	—	—
Mora-San Miguel Elec Coop Inc	—	—	—	—	—	—	—
Northern Rio Arriba E C Inc	—	—	—	—	—	—	—
Otero County Electric Coop Inc.....	—	—	—	—	—	—	—
Roosevelt County Elec Coop Inc.....	140,616	4,847,721	—	—	—	—	—
Sierra Electric Coop Inc	—	—	—	—	—	—	—
Socorro Electric Coop Inc	—	—	—	—	—	—	—
Southwestern Electric Coop Inc.....	—	—	—	—	—	—	—
Springer Electric Coop Inc	—	—	—	—	—	—	—
New York							
Delaware County Elec Coop Inc.....	—	—	—	—	46,561	801,052	—
Oneida-Madison Elec Coop Inc	—	—	—	—	16,387	349,578	—
Otsego Electric Coop Inc	—	—	—	—	44,700	899,976	—
Steuben Rural Elec Coop Inc	—	—	—	—	60,676	1,050,360	—
North Carolina							
Albemarle Electric Member Corp.....	—	—	7,594	177,417	—	—	—
Blue Ridge Elec Member Corp.....	—	—	14,158	374,519	—	—	—
Brunswick Electric Member Corp.....	—	—	10,940	217,188	—	—	—
Cape Hatteras Elec Member Corp	—	—	—	—	—	—	—
Carteret-Craven El Member Corp.....	—	—	8,338	165,533	—	—	—
Central Electric Member Corp	—	—	3,856	76,557	—	—	—
Crescent Electric Member Corp.....	—	—	32,399	857,078	—	—	—
Davidson Electric Member Corp.....	—	—	—	—	—	—	—
Edgecombe-Martin County E M C	—	—	12,168	284,292	—	—	—
Four County Elec Member Corp.....	—	—	13,066	259,390	—	—	—
French Broad Elec Member Corp	372,681	17,618,848	11,835	426,162	—	—	—
Halifax Electric Member Corp	—	—	7,739	163,005	—	—	—
Harkers Island El Member Corp.....	—	—	42	2,402	—	—	—
Haywood Electric Member Corp	—	—	5,127	168,725	—	—	—
Jones-Onslow Elec Member Corp.....	—	—	16,135	320,313	—	—	—
Lumbee River Elec Member Corp.....	—	—	11,606	230,412	—	—	—
Pee Dee Electric Member Corp	—	—	10,017	203,982	—	—	—
Piedmont Electric Member Corp.....	—	—	3,380	67,202	—	—	—
Pitt & Greene Elec Member Corp	—	—	4,918	96,627	—	—	—
Randolph Electric Member Corp	—	—	11,229	222,935	—	—	—
Roanoke Electric Member Corp.....	—	—	16,189	378,235	—	—	—
Rutherford Elec Member Corp.....	—	—	45,344	1,199,609	—	—	—
South River Elec Member Corp.....	—	—	19,045	378,087	—	—	—
Surry-Yadkin Elec Member Corp	—	—	—	—	—	—	—
Tideland Electric Member Corp.....	—	—	9,198	207,460	—	—	—
Tri-County Elec Member Corp	—	—	9,636	191,299	—	—	—
Union Electric Membership Corp	—	—	21,647	572,646	—	—	—
Wake Electric Membership Corp.....	—	—	6,735	133,711	—	—	—
North Dakota							
Baker Electric Coop Inc	—	—	—	—	—	—	—
Burke-Divide Electric Coop Inc.....	—	—	—	—	—	—	—
Capital Electric Coop Inc	—	—	12,705	181,081	—	—	—
Cass County Electric Coop Inc	—	—	—	—	—	—	—
Cavalier Rural Elec Coop Inc	—	—	—	—	—	—	—
James Valley Electric Coop Inc.....	65	2,306	—	—	—	—	—
KEM Electric Coop Inc	—	—	33,988	481,531	—	—	—
McKenzie Electric Coop Inc	—	—	—	—	—	—	—
McLean Electric Coop Inc	—	—	—	—	—	—	—
Mor-Gran-Sou Electric Coop Inc.....	—	—	27,709	398,691	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
New Mexico							
Central New Mexico El Coop Inc	—	107,034	7,005,492	—	—	107,034	7,005,492
Central Valley Elec Coop Inc	—	—	—	—	—	346,166	11,530,141
Columbus Electric Coop Inc	—	290,084	13,597,276	—	—	290,084	13,597,276
Continental Divide El Coop Inc.....	—	279,718	16,306,609	—	—	279,718	16,306,609
Farmers ' Electric Coop Inc.....	—	—	—	—	—	167,881	6,099,138
Jemez Mountains Elec Coop Inc.....	—	243,934	15,412,984	—	—	243,934	15,412,984
Kit Carson Electric Coop Inc.....	—	197,486	12,792,159	—	—	197,486	12,792,159
Lea County Electric Coop Inc.....	—	—	—	—	—	729,366	23,714,942
Mora-San Miguel Elec Coop Inc	—	48,832	3,203,100	—	—	48,832	3,203,100
Northern Rio Arriba E C Inc	—	24,319	1,542,156	—	—	24,319	1,542,156
Otero County Electric Coop Inc.....	—	105,099	6,716,998	—	—	105,099	6,716,998
Roosevelt County Elec Coop Inc.....	—	—	—	—	—	140,616	4,847,721
Sierra Electric Coop Inc	—	38,456	2,482,399	—	—	38,456	2,482,399
Socorro Electric Coop Inc	—	138,866	8,435,381	—	—	138,866	8,435,381
Southwestern Electric Coop Inc.....	—	431,601	17,942,398	—	—	431,601	17,942,398
Springer Electric Coop Inc	—	73,833	3,928,163	—	—	73,833	3,928,163
New York							
Delaware County Elec Coop Inc.....	—	—	—	—	—	46,561	801,052
Oneida-Madison Elec Coop Inc	—	—	—	—	2,880	16,387	352,458
Otsego Electric Coop Inc	—	—	—	—	—	44,700	899,976
Steuben Rural Elec Coop Inc	—	—	—	—	—	60,676	1,050,360
North Carolina							
Albemarle Electric Member Corp.....	—	107,157	5,816,380	—	—	114,751	5,993,797
Blue Ridge Elec Member Corp.....	—	893,030	37,767,586	602	20,145	907,790	38,162,250
Brunswick Electric Member Corp.....	—	623,029	38,526,019	—	—	633,969	38,743,207
Cape Hatteras Elec Member Corp	—	78,311	4,384,513	—	—	78,311	4,384,513
Carteret-Craven El Member Corp.....	—	380,118	23,555,624	—	—	388,456	23,721,157
Central Electric Member Corp.....	—	163,822	10,094,363	—	—	167,678	10,170,920
Crescent Electric Member Corp.....	—	766,349	38,087,436	8	471	798,756	38,944,985
Davidson Electric Member Corp.....	—	506,547	24,673,271	—	1,339,541	506,547	26,012,812
Edgecombe-Martin County E M C	—	167,070	7,976,694	—	24,616	179,238	8,285,602
Four County Elec Member Corp.....	—	506,368	26,366,987	—	—	519,434	26,626,377
French Broad Elec Member Corp.....	—	—	—	—	—	384,516	18,045,010
Halifax Electric Member Corp.....	—	104,955	5,274,713	—	—	112,694	5,437,718
Harkers Island El Member Corp.....	—	14,130	825,040	—	—	14,172	827,442
Haywood Electric Member Corp	—	174,769	8,030,845	—	—	179,896	8,199,570
Jones-Onslow Elec Member Corp.....	—	612,965	38,972,181	—	—	629,100	39,292,494
Lumbee River Elec Member Corp.....	—	564,011	34,458,179	—	—	575,617	34,688,591
Pee Dee Electric Member Corp.....	—	249,653	14,465,742	—	—	259,670	14,669,724
Piedmont Electric Member Corp.....	—	301,655	15,775,245	—	—	305,035	15,842,447
Pitt & Greene Elec Member Corp	—	130,028	7,789,898	—	37,749	134,946	7,924,274
Randolph Electric Member Corp.....	—	360,826	21,115,471	—	—	372,055	21,338,406
Roanoke Electric Member Corp.....	—	179,472	9,057,366	—	—	195,661	9,435,601
Rutherford Elec Member Corp.....	—	790,210	37,925,023	—	—	835,554	39,124,632
South River Elec Member Corp.....	—	447,276	27,521,220	—	—	466,321	27,899,307
Surry-Yadkin Elec Member Corp.....	—	253,582	12,639,030	—	—	253,582	12,639,030
Tideland Electric Member Corp.....	—	228,094	12,475,492	—	—	237,292	12,682,952
Tri-County Elec Member Corp	—	346,825	20,588,926	—	135,008	356,461	20,915,233
Union Electric Membership Corp.....	—	506,346	26,694,980	—	—	527,993	27,267,626
Wake Electric Membership Corp.....	—	288,872	15,590,619	—	395,255	295,607	16,119,585
North Dakota							
Baker Electric Coop Inc	—	146,004	5,293,129	—	—	146,004	5,293,129
Burke-Divide Electric Coop Inc.....	—	54,700	1,820,869	—	—	54,700	1,820,869
Capital Electric Coop Inc	—	107,874	4,478,964	—	—	120,579	4,660,045
Cass County Electric Coop Inc	—	464,539	12,682,632	—	—	464,539	12,682,632
Cavalier Rural Elec Coop Inc	—	40,085	1,430,667	—	—	40,085	1,430,667
James Valley Electric Coop Inc.....	—	73,514	2,941,929	—	—	73,579	2,944,235
KEM Electric Coop Inc	—	21,660	993,543	—	8,736	55,648	1,483,810
McKenzie Electric Coop Inc	—	269,707	9,762,691	—	—	269,707	9,762,691
McLean Electric Coop Inc	—	49,764	1,916,673	91	1,644	49,855	1,918,317
Mor-Gran-Sou Electric Coop Inc.....	—	74,250	3,243,487	12	1,835	101,971	3,644,013

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
North Dakota							
Mountrail-Williams El Coop Inc.....	—	—	—	—	—	—	—
Nodak Electric Coop Inc.....	—	—	—	—	—	—	—
North Central Elec Coop Inc.....	—	—	—	—	—	—	—
Oliver-Mercer Elec Coop Inc.....	—	—	18,465	248,314	—	—	—
R S R Electric Coop Inc.....	—	—	—	—	—	—	—
Sheyenne Valley Elec Coop Inc.....	—	—	—	—	—	—	—
Slope Electric Coop Inc.....	—	—	—	—	—	—	—
Tri-County Electric Coop Inc.....	—	—	—	—	—	—	—
Verendrye Electric Coop Inc.....	—	—	—	—	—	—	—
West Plains Electric Coop Inc.....	—	—	—	—	—	—	—
Ohio							
Adams Rural Electric Coop Inc.....	—	—	—	—	—	—	—
Buckeye Rural Elec Coop Inc.....	—	—	—	—	—	—	—
Butler Rural Electric Coop Inc.....	—	—	—	—	—	—	—
Carroll Electric Coop Inc.....	—	—	—	—	—	—	—
Darke Rural Electric Coop Inc.....	—	—	—	—	—	—	—
Delaware Rural Elec Coop Inc.....	—	—	—	—	—	—	—
Firelands Electric Coop Inc.....	—	—	—	—	—	—	—
Frontier Power Co.....	—	—	—	—	—	—	—
Guernsey-Muskingum El Coop Inc.....	—	—	—	—	—	—	—
Hancock-Wood Electric Coop Inc.....	—	—	—	—	—	—	—
Holmes-Wayne Electric Coop Inc.....	—	—	—	—	—	—	—
Logan Cnty Coop P&L Assn Inc.....	—	—	—	—	—	—	—
Lorain-Medina R E C Inc.....	—	—	—	—	—	—	—
Marion Rural Electric Coop Inc.....	—	—	—	—	—	—	—
Midwest Electric Inc.....	—	—	—	—	—	—	—
Morrow Electric Coop Inc.....	—	—	—	—	—	—	—
North Central Elec Coop Inc.....	—	—	—	—	—	—	—
North Western Elec Coop Inc.....	—	—	—	—	—	—	—
Paulding-Putman Elec Coop Inc.....	—	—	—	—	—	—	—
Pioneer Rural Elec Coop Inc.....	—	—	—	—	—	—	—
South Central Power Co.....	—	—	—	—	—	—	—
Union Rural Electric Coop Inc.....	—	—	—	—	—	—	—
United Rural Electric Coop Inc.....	—	—	—	—	—	—	—
Washington Electric Coop Inc.....	—	—	—	—	—	—	—
Oklahoma							
Alfalfa Electric Coop Inc.....	—	—	—	—	—	—	—
Caddo Electric Coop Inc.....	—	—	—	—	—	—	—
Canadian Valley Elec Coop Inc.....	—	—	—	—	—	—	—
Central Rural Electric Coop.....	—	—	—	—	—	—	—
Choctaw Electric Coop Inc.....	—	—	—	—	—	—	—
Cimarron Electric Coop.....	—	—	—	—	—	—	—
Cookson Hills Elec Coop Inc.....	—	—	—	—	—	—	—
Cotton Electric Coop Inc.....	—	—	—	—	—	—	—
East Central Okla El Coop Inc.....	—	—	—	—	—	—	—
Harmon Electric Assn Inc.....	—	—	—	—	—	—	—
Indian Electric Coop Inc.....	—	—	—	—	—	—	—
Kay Electric Coop.....	—	—	—	—	—	—	—
Kiamichi Electric Coop Inc.....	—	—	—	—	—	—	—
Kiwash Electric Coop Inc.....	—	—	—	—	—	—	—
Lake Region Electric Coop Inc.....	—	—	—	—	—	—	—
Northeast Oklahoma El Coop Inc.....	—	—	—	—	373,642	13,658,198	—
Northfork Electric Coop Inc.....	—	—	—	—	—	—	—
Northwestern Electric Coop Inc.....	—	—	—	—	—	—	—
Oklahoma Electric Coop Inc.....	—	—	—	—	—	—	—
Red River Valley Rrl Elec Assn.....	—	—	—	—	—	—	—
Rural Electric Coop Inc.....	—	—	—	—	—	—	—
Southeastern Electric Coop Inc.....	—	—	—	—	—	—	—
Southwest Rural Elec Assn Inc.....	—	—	—	—	—	—	—
Tri-County Electric Coop Inc.....	—	—	—	—	—	—	—
Verdigris Valley Elec Coop Inc.....	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
North Dakota							
Mountrail-Williams El Coop Inc.....	—	143,534	4,628,299	—	—	143,534	4,628,299
Nodak Electric Coop Inc.....	—	524,437	16,652,679	—	—	524,437	16,652,679
North Central Elec Coop Inc.....	—	151,134	5,622,299	—	—	151,134	5,622,299
Oliver-Mercer Elec Coop Inc.....	—	160,134	7,016,104	3	60	178,602	7,264,478
R S R Electric Coop Inc.....	—	117,482	4,511,690	—	—	117,482	4,511,690
Sheyenne Valley Elec Coop Inc.....	—	73,936	2,475,662	—	—	73,936	2,475,662
Slope Electric Coop Inc.....	—	53,966	2,084,496	—	—	53,966	2,084,496
Tri-County Electric Coop Inc.....	—	124,102	4,576,706	—	—	124,102	4,576,706
Verendrye Electric Coop Inc.....	—	281,536	9,408,961	—	—	281,536	9,408,961
West Plains Electric Coop Inc.....	—	204,359	8,792,918	—	—	204,359	8,792,918
Ohio							
Adams Rural Electric Coop Inc.....	—	69,234	2,860,461	—	—	69,234	2,860,461
Buckeye Rural Elec Coop Inc.....	—	198,922	8,498,476	—	—	198,922	8,498,476
Butler Rural Electric Coop Inc.....	—	164,447	7,196,152	—	—	164,447	7,196,152
Carroll Electric Coop Inc.....	—	128,022	5,002,340	—	—	128,022	5,002,340
Darke Rural Electric Coop Inc.....	—	94,612	3,901,875	—	—	94,612	3,901,875
Delaware Rural Elec Coop Inc.....	—	85,409	3,553,245	—	—	85,409	3,553,245
Firelands Electric Coop Inc.....	—	106,790	3,848,057	—	—	106,790	3,848,057
Frontier Power Co.....	—	106,346	4,079,523	—	—	106,346	4,079,523
Guernsey-Muskingum El Coop Inc.....	—	147,120	5,869,833	—	—	147,120	5,869,833
Hancock-Wood Electric Coop Inc.....	—	343,544	11,675,323	—	—	343,544	11,675,323
Holmes-Wayne Electric Coop Inc.....	—	234,608	8,847,082	—	—	234,608	8,847,082
Logan Cnty Coop P&L Assn Inc.....	—	86,342	3,342,379	—	—	86,342	3,342,379
Lorain-Medina R E C Inc.....	—	186,265	7,049,206	—	—	186,265	7,049,206
Marion Rural Electric Coop Inc.....	—	54,985	2,212,985	—	—	54,985	2,212,985
Midwest Electric Inc.....	—	177,531	6,737,336	—	—	177,531	6,737,336
Morrow Electric Coop Inc.....	—	108,677	4,263,670	—	—	108,677	4,263,670
North Central Elec Coop Inc.....	—	255,905	8,639,551	—	—	255,905	8,639,551
North Western Elec Coop Inc.....	—	80,758	3,063,762	—	—	80,758	3,063,762
Paulding-Putman Elec Coop Inc.....	—	203,764	8,277,715	—	—	203,764	8,277,715
Pioneer Rural Elec Coop Inc.....	—	457,073	15,949,096	—	—	457,073	15,949,096
South Central Power Co.....	—	1,392,065	56,116,687	—	—	1,392,065	56,116,687
Union Rural Electric Coop Inc.....	—	381,353	12,937,211	—	—	381,353	12,937,211
United Rural Electric Coop Inc.....	—	49,372	1,991,964	—	—	49,372	1,991,964
Washington Electric Coop Inc.....	—	80,742	3,102,211	—	—	80,742	3,102,211
Oklahoma							
Alfalfa Electric Coop Inc.....	—	138,426	5,770,818	—	—	138,426	5,770,818
Caddo Electric Coop Inc.....	—	249,329	11,063,383	—	—	249,329	11,063,383
Canadian Valley Elec Coop Inc.....	—	325,820	13,655,674	—	—	325,820	13,655,674
Central Rural Electric Coop.....	—	261,224	11,143,806	—	-11,453	261,224	11,132,353
Choctaw Electric Coop Inc.....	—	241,627	9,331,945	—	—	241,627	9,331,945
Cimarron Electric Coop.....	—	184,587	7,926,994	—	—	184,587	7,926,994
Cookson Hills Elec Coop Inc.....	—	195,027	8,909,771	—	—	195,027	8,909,771
Cotton Electric Coop Inc.....	—	418,719	17,399,784	—	—	418,719	17,399,784
East Central Okla El Coop Inc.....	—	370,765	16,571,709	—	—	370,765	16,571,709
Harmon Electric Assn Inc.....	—	54,198	2,052,310	—	—	54,198	2,052,310
Indian Electric Coop Inc.....	—	286,755	13,333,649	—	—	286,755	13,333,649
Kay Electric Coop.....	—	114,062	4,656,306	—	—	114,062	4,656,306
Kiamichi Electric Coop Inc.....	—	205,169	8,662,850	—	89,933	205,169	8,752,783
Kiwash Electric Coop Inc.....	—	77,297	3,309,620	—	—	77,297	3,309,620
Lake Region Electric Coop Inc.....	—	238,582	11,530,064	8	725	238,590	11,530,789
Northeast Oklahoma El Coop Inc.....	—	14,161	713,143	72	4,093	387,875	14,375,434
Northfork Electric Coop Inc.....	—	83,300	3,378,835	—	—	83,300	3,378,835
Northwestern Electric Coop Inc.....	—	182,110	7,660,188	—	—	182,110	7,660,188
Oklahoma Electric Coop Inc.....	—	578,064	24,274,866	1	13	578,065	24,274,879
Red River Valley Rrl Elec Assn.....	—	194,805	7,860,804	—	—	194,805	7,860,804
Rural Electric Coop Inc.....	—	214,292	8,669,202	—	—	214,292	8,669,202
Southeastern Electric Coop Inc.....	—	134,842	5,670,678	—	—	134,842	5,670,678
Southwest Rural Elec Assn Inc.....	—	94,258	4,087,713	—	—	94,258	4,087,713
Tri-County Electric Coop Inc.....	—	235,421	8,104,877	—	—	235,421	8,104,877
Verdigris Valley Elec Coop Inc.....	—	356,247	17,008,075	—	—	356,247	17,008,075

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Oregon							
Blachly-Lane Cnty Coop El Assn.....	—	—	138,632	3,862,613	—	—	—
Central Electric Coop Inc.....	—	—	432,658	11,964,559	—	—	—
Columbia Basin Elec Coop Inc.....	—	—	105,477	2,599,928	—	—	—
Columbia Power Coop Assn Inc.....	—	—	—	—	28,286	722,036	—
Consumers Power Inc.....	28	1,496	346,887	8,213,951	—	38,643	—
Coos-Curry Electric Coop Inc.....	—	—	290,698	7,684,972	—	—	—
Douglas Electric Coop Inc.....	—	—	133,642	3,767,810	—	—	—
Harney Electric Coop Inc.....	—	—	243,608	5,258,304	—	—	—
Lane Electric Coop Inc.....	—	—	210,304	5,905,430	—	—	—
Midstate Electric Coop Inc.....	—	—	281,637	7,330,127	—	—	—
Umatilla Electric Coop Assn.....	—	—	660,711	15,245,731	—	—	—
Wasco Electric Coop Inc.....	—	—	83,493	2,224,646	—	—	—
West Oregon Electric Coop Inc.....	—	—	66,019	1,806,247	—	—	—
Pennsylvania							
Adams Electric Coop Inc.....	—	—	—	—	—	—	—
Bedford Rural Elec Coop Inc.....	—	—	—	—	—	—	—
Central Electric Coop Inc.....	—	—	—	—	—	—	—
Claverack Rural Elec Coop Inc.....	—	—	—	—	—	—	—
Northwestern Rural E C A Inc.....	—	—	—	—	—	—	—
Somerset Rural Elec Coop Inc.....	—	—	—	—	—	—	—
Southwest Central R E C Corp.....	—	—	—	—	—	—	—
Sullivan County R E C Inc.....	—	—	—	—	—	—	—
Tri-County Rural Elec Coop Inc.....	—	—	—	—	—	—	—
United Electric Coop Inc.....	—	—	—	—	—	—	—
Valley Rural Electric Coop Inc.....	—	—	—	—	—	—	—
Warren Electric Coop Inc.....	—	—	—	—	—	—	—
South Carolina							
Aiken Electric Coop Inc.....	—	—	—	—	—	—	—
Berkeley Electric Coop Inc.....	—	—	—	—	—	—	—
Black River Electric Coop Inc.....	—	—	—	—	—	—	—
Blue Ridge Electric Coop Inc.....	—	—	35,586	941,428	—	—	—
Broad River Electric Coop Inc.....	—	—	10,231	270,647	—	—	—
Coastal Electric Coop Inc.....	—	—	—	—	—	—	—
Edisto Electric Coop Inc.....	—	—	—	—	—	—	—
Fairfield Electric Coop Inc.....	—	—	—	—	—	—	—
Horry Electric Coop Inc.....	—	—	—	—	—	—	—
Laurens Electric Coop Inc.....	—	—	26,602	703,752	—	—	—
Little River Electric Coop Inc.....	—	—	9,908	276,021	—	—	—
Lynches River Elec Coop Inc.....	—	—	—	—	—	—	—
Marlboro Electric Coop Inc.....	—	—	—	—	—	—	—
Mid-Carolina Electric Coop Inc.....	—	—	—	—	—	—	—
Newberry Electric Coop Inc.....	—	—	—	—	—	—	—
Palmetto Electric Coop Inc.....	—	—	—	—	—	—	—
Pee Dee Electric Coop Inc.....	—	—	—	—	—	—	—
Santee Electric Coop Inc.....	—	—	—	—	—	—	—
Tri-County Electric Coop Inc.....	—	—	—	—	—	—	—
York Electric Coop Inc.....	—	—	16,436	434,796	—	—	—
South Dakota							
Beadle Electric Coop Inc.....	—	—	—	—	—	—	—
Black Hills Electric Coop Inc.....	—	—	—	—	—	—	—
Bon Homme Yankton El Assn Inc.....	—	—	—	—	—	—	—
Butte Electric Coop Inc.....	—	—	—	—	—	—	—
Cam Wal Electric Coop Inc.....	—	—	—	—	—	—	—
Charles Mix Electric Assn Inc.....	—	—	—	—	—	—	—
Cherry-Todd Electric Coop Inc.....	455	17,147	—	—	—	—	—
Clay-Union Electric Corp.....	—	—	—	—	—	—	—
Codington-Clark Elec Coop Inc.....	—	—	—	—	—	—	—
Douglas Electric Coop Inc.....	—	—	—	—	—	—	—
FEM Electric Assn Inc.....	—	—	—	—	—	—	—
Grand Electric Coop Inc.....	—	—	36,387	504,357	—	—	—
H-D Electric Coop Inc.....	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Oregon							
Blachly-Lane Cnty Coop El Assn.....	—	—	143,057	—	22,180	138,632	4,027,850
Central Electric Coop Inc.....	—	—	288,580	—	—	432,658	12,253,139
Columbia Basin Elec Coop Inc.....	—	—	—	—	—	105,477	2,599,928
Columbia Power Coop Assn Inc.....	—	—	—	—	—	28,286	722,036
Consumers Power Inc.....	—	—	305,286	—	—	346,915	8,559,376
Coos-Curry Electric Coop Inc.....	—	—	294,481	11,976	9,680	302,674	7,989,133
Douglas Electric Coop Inc.....	—	—	—	—	—	133,642	3,767,810
Harney Electric Coop Inc.....	—	—	—	—	—	243,608	5,258,304
Lane Electric Coop Inc.....	—	—	—	9,424	10,203	219,728	5,915,633
Midstate Electric Coop Inc.....	—	—	—	—	—	281,637	7,330,127
Umatilla Electric Coop Assn.....	—	—	116,977	—	—	660,711	15,362,708
Wasco Electric Coop Inc.....	—	—	—	—	—	83,493	2,224,646
West Oregon Electric Coop Inc.....	—	—	—	—	—	66,019	1,806,247
Pennsylvania							
Adams Electric Coop Inc.....	—	354,002	21,015,275	—	—	354,002	21,015,275
Bedford Rural Elec Coop Inc.....	—	135,336	7,958,952	—	—	135,336	7,958,952
Central Electric Coop Inc.....	—	214,047	12,210,588	—	-46,709	214,047	12,163,879
Claverack Rural Elec Coop Inc.....	—	175,233	10,149,280	—	—	175,233	10,149,280
Northwestern Rural E C A Inc.....	—	210,440	11,523,522	—	—	210,440	11,523,522
Somerset Rural Elec Coop Inc.....	—	175,547	10,390,791	—	—	175,547	10,390,791
Southwest Central R E C Corp.....	—	284,513	17,092,145	—	—	284,513	17,092,145
Sullivan County R E C Inc.....	—	48,504	2,707,061	—	20,535	48,504	2,727,596
Tri-County Rural Elec Coop Inc.....	—	137,210	8,294,157	—	—	137,210	8,294,157
United Electric Coop Inc.....	—	141,780	8,480,002	—	—	141,780	8,480,002
Valley Rural Electric Coop Inc.....	—	192,002	11,234,267	—	—	192,002	11,234,267
Warren Electric Coop Inc.....	—	50,163	2,951,605	—	—	50,163	2,951,605
South Carolina							
Aiken Electric Coop Inc.....	—	568,366	23,473,119	—	—	568,366	23,473,119
Berkeley Electric Coop Inc.....	—	981,593	42,591,421	—	—	981,593	42,591,421
Black River Electric Coop Inc.....	—	430,324	18,418,315	—	—	430,324	18,418,315
Blue Ridge Electric Coop Inc.....	—	585,709	35,327,151	—	—	621,295	36,268,579
Broad River Electric Coop Inc.....	—	203,382	12,569,375	—	—	213,613	12,840,022
Coastal Electric Coop Inc.....	—	119,524	5,131,361	—	—	119,524	5,131,361
Edisto Electric Coop Inc.....	—	229,579	9,812,776	—	—	229,579	9,812,776
Fairfield Electric Coop Inc.....	—	475,026	18,946,722	—	—	475,026	18,946,722
Horry Electric Coop Inc.....	—	496,621	22,364,025	—	—	496,621	22,364,025
Laurens Electric Coop Inc.....	—	477,929	29,416,153	—	—	504,531	30,119,905
Little River Electric Coop Inc.....	—	123,969	7,669,172	—	—	133,877	7,945,193
Lynchess River Elec Coop Inc.....	—	229,926	9,645,336	—	—	229,926	9,645,336
Marlboro Electric Coop Inc.....	—	471,168	13,294,997	—	—	471,168	13,294,997
Mid-Carolina Electric Coop Inc.....	—	621,364	27,596,877	—	—	621,364	27,596,877
Newberry Electric Coop Inc.....	—	181,352	7,234,245	—	—	181,352	7,234,245
Palmetto Electric Coop Inc.....	—	838,723	35,430,626	—	—	838,723	35,430,626
Pee Dee Electric Coop Inc.....	—	632,293	25,224,207	—	—	632,293	25,224,207
Santee Electric Coop Inc.....	—	787,097	30,987,406	—	—	787,097	30,987,406
Tri-County Electric Coop Inc.....	—	215,992	9,438,394	—	—	215,992	9,438,394
York Electric Coop Inc.....	—	386,419	23,635,188	—	-46,401	402,855	24,023,583
South Dakota							
Beadle Electric Coop Inc.....	—	38,728	1,501,123	—	1,705	38,728	1,502,828
Black Hills Electric Coop Inc.....	—	76,171	2,659,155	—	—	76,171	2,659,155
Bon Homme Yankton El Assn Inc.....	—	65,164	2,462,891	—	—	65,164	2,462,891
Butte Electric Coop Inc.....	—	59,797	2,170,497	—	—	59,797	2,170,497
Cam Wal Electric Coop Inc.....	—	43,089	1,704,512	—	3,432	43,089	1,707,944
Charles Mix Electric Assn Inc.....	—	39,486	1,463,033	—	—	39,486	1,463,033
Cherry-Todd Electric Coop Inc.....	—	80,786	2,965,138	—	—	81,241	2,982,285
Clay-Union Electric Corp.....	—	50,936	1,896,149	—	-4,084	50,936	1,892,065
Codington-Clark Elec Coop Inc.....	—	67,758	2,487,535	—	—	67,758	2,487,535
Douglas Electric Coop Inc.....	—	18,894	721,857	—	—	18,894	721,857
FEM Electric Assn Inc.....	—	45,223	1,647,864	—	—	45,223	1,647,864
Grand Electric Coop Inc.....	—	102,242	2,921,852	—	—	138,629	3,426,209
H-D Electric Coop Inc.....	—	55,938	2,143,510	—	—	55,938	2,143,510

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
South Dakota							
Intercounty Electric Assn Inc	—	—	—	—	—	—	—
Kingsbury Electric Coop Inc	—	—	—	—	—	—	—
Lake Region Electric Assn Inc	—	—	—	—	—	—	—
LaCreek Electric Assn Inc	—	—	—	—	—	—	—
Lincoln-Union Electric Co	—	—	—	—	—	—	—
McCook Electric Coop Inc	—	—	—	—	—	—	—
Moreau-Grand Electric Coop Inc	—	—	—	—	—	—	—
Northern Electric Coop Inc	—	—	7,010	95,309	—	—	—
Oahe Electric Coop Inc	—	—	—	—	—	—	—
Ree Electric Coop Inc	—	—	—	—	—	—	—
Rosebud Electric Coop Inc	—	—	62,055	903,593	—	—	—
Sioux Valley Empire E A Inc	—	—	—	—	—	—	—
Spink Electric Coop Inc	—	—	—	—	—	—	—
Tri-County Electric Assn Inc	—	—	—	—	—	—	—
Turner-Hutchinson El Coop Inc	—	—	—	—	—	—	—
Union County Electric Coop Inc	—	—	—	—	—	—	—
West Central Electric Coop Inc	—	—	—	—	—	—	—
West River Electric Assn Inc	—	—	—	—	—	—	—
Whetstone Valley Elec Coop Inc	—	—	—	—	—	—	—
Tennessee							
Appalachian Electric Coop	—	—	734,254	31,283,580	—	—	—
Caney Fork Electric Coop Inc	—	—	504,815	22,295,145	—	—	—
Chickasaw Electric Coop Inc	—	—	283,639	12,365,581	—	—	—
Cumberland Elec Member Corp	—	—	1,492,421	64,079,160	—	—	—
Duck River Elec Member Corp	—	—	1,108,966	50,650,100	—	—	—
Fort Loudoun Electric Coop	—	—	384,775	17,017,313	—	—	—
Gibson Electric Members Corp	—	—	710,290	31,527,803	—	—	—
Holston Electric Coop Inc	—	—	630,183	25,417,001	—	—	—
Meriwether Lewis Electric Coop	—	—	650,946	28,806,263	—	—	—
Middle Tennessee E M C	—	—	2,789,762	115,886,142	—	—	—
Mountain Electric Coop Inc	—	—	499,207	20,798,700	—	—	—
Pickwick Electric Coop	—	—	358,812	16,054,208	—	—	—
Plateau Electric Coop	—	—	249,195	11,066,843	—	—	—
Powell Valley Electric Coop	—	—	419,875	17,652,633	—	—	—
Sequachee Valley Electric Coop	—	—	665,728	28,703,581	—	—	—
Southwest Tennessee E M C	—	—	817,264	35,665,536	—	—	—
Tennessee Valley Electric Coop	—	—	326,296	14,564,609	—	—	—
Tri-County Elec Member Corp	—	—	917,124	40,320,356	—	—	—
Upper Cumberland E M C	—	—	781,187	34,324,304	—	—	—
Volunteer Electric Coop	—	—	1,555,357	67,945,740	—	—	—
Texas							
B-K Electric Coop Inc	—	—	—	—	—	—	—
Bailey County Elec Coop Assn	—	—	—	—	—	—	—
Bartlett Electric Coop Inc	—	—	—	—	—	—	—
Belfalls Electric Coop Inc	—	—	—	—	—	—	—
Bowie-Cass Electric Coop Inc	—	—	—	—	—	—	—
Central Texas Elec Coop Inc	—	—	—	—	272,662	11,638,331	—
Cherokee County Elec Coop Assn	—	—	—	—	—	—	—
Coleman County Elec Coop Inc	93,499	3,353,180	—	—	—	—	—
Comanche County Elec Coop Assn	—	—	—	—	—	—	—
Concho Valley Elec Coop Inc	148,726	5,337,662	—	—	—	—	—
Deep East Texas Elec Coop Inc	—	—	—	—	—	—	—
Dewitt Electric Coop Inc	—	—	—	—	69,089	2,764,570	—
Dickens Electric Coop Inc	—	—	—	—	—	—	—
Erath County Elec Coop Assn	—	—	—	—	—	—	—
Fannin County Electric Coop	—	—	—	—	—	—	—
Farmers Electric Coop Inc	—	—	—	—	—	—	—
Fayette Electric Coop Inc	—	—	—	—	161,946	6,406,727	—
Gate City Electric Coop Inc	—	—	—	—	—	—	—
Grayson-Collin Elec Coop Inc	—	—	—	—	—	—	—
Greenbelt Electric Coop Inc	—	—	—	—	—	—	—
Hamilton County Elec Coop Assn	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
South Dakota							
Intercounty Electric Assn Inc.....	—	62,709	2,431,051	—	—	62,709	2,431,051
Kingsbury Electric Coop Inc.....	—	20,756	782,523	—	—	20,756	782,523
Lake Region Electric Assn Inc.....	—	60,809	2,223,830	—	—	60,809	2,223,830
LaCreek Electric Assn Inc.....	—	69,505	2,616,074	—	—	69,505	2,616,074
Lincoln-Union Electric Co.....	—	76,305	2,779,741	3	115	76,308	2,779,856
McCook Electric Coop Inc.....	—	28,256	1,108,862	—	—	28,256	1,108,862
Moreau-Grand Electric Coop Inc.....	—	72,707	2,680,660	—	—	72,707	2,680,660
Northern Electric Coop Inc.....	—	96,106	3,480,778	—	—	103,116	3,576,087
Oahe Electric Coop Inc.....	—	48,669	1,675,665	—	—	48,669	1,675,665
Ree Electric Coop Inc.....	—	26,554	1,029,089	—	—	26,554	1,029,089
Rosebud Electric Coop Inc.....	—	19,236	897,944	—	—	81,291	1,801,537
Sioux Valley Empire E A Inc.....	—	245,954	9,628,170	—	—	245,954	9,628,170
Spink Electric Coop Inc.....	—	27,765	1,080,094	—	—	27,765	1,080,094
Tri-County Electric Assn Inc.....	—	64,393	2,337,565	—	—	64,393	2,337,565
Turner-Hutchinson El Coop Inc.....	—	83,815	3,195,265	4	118	83,819	3,195,383
Union County Electric Coop Inc.....	—	19,604	718,240	—	568	19,604	718,808
West Central Electric Coop Inc.....	—	98,043	3,713,635	—	—	98,043	3,713,635
West River Electric Assn Inc.....	—	136,405	4,956,071	—	—	136,405	4,956,071
Whetstone Valley Elec Coop Inc.....	—	60,355	2,287,872	—	—	60,355	2,287,872
Tennessee							
Appalachian Electric Coop.....	—	—	—	—	—	734,254	31,283,580
Caney Fork Electric Coop Inc.....	—	—	—	—	—	504,815	22,295,145
Chickasaw Electric Coop Inc.....	—	—	—	—	—	283,639	12,365,581
Cumberland Elec Member Corp.....	—	—	—	—	—	1,492,421	64,079,160
Duck River Elec Member Corp.....	—	—	—	1	37	1,108,967	50,650,137
Fort Loudoun Electric Coop.....	—	—	—	—	—	384,775	17,017,313
Gibson Electric Members Corp.....	—	—	—	—	—	710,290	31,527,803
Holston Electric Coop Inc.....	—	—	—	—	—	630,183	25,417,001
Meriwether Lewis Electric Coop.....	—	—	—	—	—	650,946	28,806,263
Middle Tennessee E M C.....	—	—	—	—	—	2,789,762	115,886,142
Mountain Electric Coop Inc.....	—	—	—	—	—	499,207	20,798,700
Pickwick Electric Coop.....	—	—	—	—	—	358,812	16,054,208
Plateau Electric Coop.....	—	—	—	36	607	249,231	11,067,450
Powell Valley Electric Coop.....	—	—	—	—	—	419,875	17,652,633
Sequachee Valley Electric Coop.....	—	—	—	—	—	665,728	28,703,581
Southwest Tennessee E M C.....	—	—	—	—	—	817,264	35,665,536
Tennessee Valley Electric Coop.....	—	—	—	—	—	326,296	14,564,609
Tri-County Elec Member Corp.....	—	—	—	—	—	917,124	40,320,356
Upper Cumberland E M C.....	—	—	—	—	—	781,187	34,324,304
Volunteer Electric Coop.....	—	—	—	—	—	1,555,357	67,945,740
Texas							
B-K Electric Coop Inc.....	—	95,136	3,651,495	—	—	95,136	3,651,495
Bailey County Elec Coop Assn.....	—	195,699	7,357,232	—	—	195,699	7,357,232
Bartlett Electric Coop Inc.....	—	86,143	3,665,020	—	—	86,143	3,665,020
Belfalls Electric Coop Inc.....	—	66,555	2,699,632	—	—	66,555	2,699,632
Bowie-Cass Electric Coop Inc.....	—	483,005	15,622,907	—	—	483,005	15,622,907
Central Texas Elec Coop Inc.....	—	—	—	—	—	272,662	11,638,331
Cherokee County Elec Coop Assn.....	—	211,323	11,886,183	—	—	211,323	11,886,183
Coleman County Elec Coop Inc.....	—	—	—	—	—	93,499	3,353,180
Comanche County Elec Coop Assn.....	—	163,956	6,666,875	—	—	163,956	6,666,875
Concho Valley Elec Coop Inc.....	—	—	—	—	—	148,726	5,337,662
Deep East Texas Elec Coop Inc.....	—	576,658	27,937,581	—	—	576,658	27,937,581
Dewitt Electric Coop Inc.....	—	—	—	—	—	69,089	2,764,570
Dickens Electric Coop Inc.....	—	476,377	16,817,780	—	—	476,377	16,817,780
Erath County Elec Coop Assn.....	—	259,246	10,719,373	—	—	259,246	10,719,373
Fannin County Electric Coop.....	—	73,003	3,872,392	—	2,000	73,003	3,874,392
Farmers Electric Coop Inc.....	—	427,558	21,414,971	—	—	427,558	21,414,971
Fayette Electric Coop Inc.....	—	—	—	—	—	161,946	6,406,727
Gate City Electric Coop Inc.....	—	34,175	1,307,141	—	—	34,175	1,307,141
Grayson-Collin Elec Coop Inc.....	—	274,045	14,531,655	—	—	274,045	14,531,655
Greenbelt Electric Coop Inc.....	—	46,380	1,746,215	—	—	46,380	1,746,215
Hamilton County Elec Coop Assn.....	—	122,945	5,115,303	—	—	122,945	5,115,303

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Texas							
Hill County Electric Coop.....	—	—	—	—	—	—	—
Houston County Elec Coop Inc	—	—	—	—	—	—	—
J-A-C Electric Coop Inc	—	—	—	—	—	—	—
Jackson Electric Coop Inc	—	—	—	—	—	—	—
Jasper-Newton Elec Coop Inc	—	—	—	—	—	—	—
Johnson County Elec Coop Assn	—	—	—	—	—	—	—
Karnes Electric Coop Inc	—	—	—	—	—	—	—
Kaufman County Elec Coop Inc	—	—	—	—	—	—	—
Kimble Electric Coop Inc	14,200	712,417	—	—	31,492	1,261,876	—
Lamar County Elec Coop Assn.....	—	—	—	—	—	—	—
Lamb County Electric Coop Inc	—	—	—	—	—	—	—
Lighthouse Electric Coop Inc.....	13,218	546,292	—	—	—	—	—
Lyntegar Electric Coop Inc	507,281	19,464,592	—	—	—	—	—
Magic Valley Electric Coop Inc.....	582,405	28,393,044	—	—	—	—	—
McCulloch Electric Coop Inc.....	—	—	—	—	69,452	2,671,497	—
McLennan County Elec Coop Inc.....	—	—	—	—	—	—	—
Medina Electric Coop Inc.....	68,756	3,187,314	—	—	—	—	—
Midwest Electric Coop Inc.....	95,288	4,138,063	—	—	—	—	—
Navarro County Elec Coop Inc	—	—	—	—	—	—	—
Navasota Valley Elec Coop Inc	—	—	—	—	—	—	—
New Era Electric Coop Inc	—	—	—	—	—	—	—
North Plains Electric Coop Inc	—	—	—	—	—	—	—
Nueces Electric Coop Inc	—	—	—	—	—	—	—
Panola-Harrison Elec Coop Inc	—	—	—	—	—	—	—
Rio Grande Electric Coop Inc.....	111,716	5,157,477	—	—	—	—	—
Rita Blanca Electric Coop Inc.....	—	—	—	—	—	—	—
Rusk County Electric Coop Inc	283,568	9,608,875	—	—	—	—	—
San Patricio Electric Coop Inc	—	—	—	—	—	—	—
South Plains Electric Coop Inc	—	—	—	—	—	—	—
Southwest Texas Elec Coop Inc.....	180,372	6,218,891	—	—	—	—	—
Stamford Electric Coop Inc	69,474	2,544,077	—	—	—	—	—
Swisher Electric Coop Inc	—	—	—	—	—	—	—
Taylor Electric Coop Inc	188,167	7,190,266	—	—	—	—	—
Upshur Rural Elec Coop Corp	—	—	—	—	—	—	—
Victoria Electric Coop Inc.....	—	—	—	—	—	—	—
Wharton County Elec Coop Inc	—	—	—	—	—	—	—
Wise Electric Coop Inc.....	—	—	—	—	—	—	—
Wood County Electric Coop Inc.....	—	—	—	—	—	—	—
Utah							
Dixie Escalante R E A Inc	—	—	—	—	20,589	1,102,457	—
Flowell Electric Assn Inc	—	—	10,722	203,395	—	—	—
Garkane Power Assn Inc	—	—	—	—	—	—	—
Moon Lake Electric Assn Inc.....	—	—	225,282	4,285,693	—	—	—
Vermont							
Vermont Electric Coop Inc.....	12,765	822,131	—	—	—	—	—
Washington Electric Coop Inc	25,321	1,039,846	—	—	8,663	145,264	2,150
Virginia							
A & N Electric Coop.....	—	—	—	—	—	—	—
BARC Electric Coop Inc	—	—	10,953	205,459	—	—	—
Central Virginia Electric Coop.....	395,639	18,067,191	23,299	544,363	—	—	—
Community Electric Coop	—	—	12,388	230,425	—	—	—
Craig-Botetourt Electric Coop.....	57,857	2,304,348	5,143	92,335	—	—	—
Mecklenburg Electric Coop Inc	—	—	33,221	776,176	—	—	—
Northern Neck Elec Coop Inc.....	—	—	11,550	269,855	—	—	—
Northern Virginia Elec Coop	—	—	9,570	190,884	—	—	—
Prince George Electric Coop	—	—	7,409	173,107	—	—	—
Rappahannock Electric Coop	—	—	65,678	1,602,167	—	—	—
Shenandoah Valley Elec Coop.....	—	—	29,104	679,975	—	—	—
Southside Electric Coop Inc.....	—	—	42,683	997,246	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Texas							
Hill County Electric Coop.....	—	218,944	9,311,394	—	—	218,944	9,311,394
Houston County Elec Coop Inc.....	—	218,399	11,451,202	—	—	218,399	11,451,202
J-A-C Electric Coop Inc.....	—	88,466	3,514,552	—	—	88,466	3,514,552
Jackson Electric Coop Inc.....	—	146,112	7,628,266	—	—	146,112	7,628,266
Jasper-Newton Elec Coop Inc.....	—	316,906	13,912,141	—	—	316,906	13,912,141
Johnson County Elec Coop Assn.....	—	569,042	24,419,384	—	—	569,042	24,419,384
Karnes Electric Coop Inc.....	—	159,177	7,994,473	—	—	159,177	7,994,473
Kaufman County Elec Coop Inc.....	—	359,057	18,122,151	—	—	359,057	18,122,151
Kimble Electric Coop Inc.....	—	—	—	—	—	45,692	1,974,293
Lamar County Elec Coop Assn.....	—	109,293	5,826,996	—	—	109,293	5,826,996
Lamb County Electric Coop Inc.....	—	261,391	10,133,805	—	—	261,391	10,133,805
Lighthouse Electric Coop Inc.....	—	217,432	8,503,050	—	—	230,650	9,049,342
Lyntegar Electric Coop Inc.....	—	—	—	—	—	507,281	19,464,592
Magic Valley Electric Coop Inc.....	—	—	—	—	—	582,405	28,393,044
McCulloch Electric Coop Inc.....	—	—	—	—	—	69,452	2,671,497
McLennan County Elec Coop Inc.....	—	159,289	6,764,521	—	—	159,289	6,764,521
Medina Electric Coop Inc.....	—	280,060	10,045,112	—	—	348,816	13,232,426
Midwest Electric Coop Inc.....	—	53,889	1,805,573	—	—	149,177	5,943,636
Navarro County Elec Coop Inc.....	—	203,789	8,446,650	—	—	203,789	8,446,650
Navasota Valley Elec Coop Inc.....	—	269,836	10,769,243	—	—	269,836	10,769,243
New Era Electric Coop Inc.....	—	273,655	13,648,796	—	—	273,655	13,648,796
North Plains Electric Coop Inc.....	—	134,379	4,734,541	5	106	134,384	4,734,647
Nueces Electric Coop Inc.....	—	145,637	7,319,793	—	—	145,637	7,319,793
Panola-Harrison Elec Coop Inc.....	—	239,106	7,961,002	—	—	239,106	7,961,002
Rio Grande Electric Coop Inc.....	—	21,347	1,043,562	—	—	133,063	6,201,039
Rita Blanca Electric Coop Inc.....	—	140,110	4,995,867	—	—	140,110	4,995,867
Rusk County Electric Coop Inc.....	—	—	—	—	—	283,568	9,608,875
San Patricio Electric Coop Inc.....	—	136,651	6,781,130	—	—	136,651	6,781,130
South Plains Electric Coop Inc.....	—	506,577	19,287,298	—	—	506,577	19,287,298
Southwest Texas Elec Coop Inc.....	—	—	—	—	—	180,372	6,218,891
Stamford Electric Coop Inc.....	—	—	—	—	—	69,474	2,544,077
Swisher Electric Coop Inc.....	—	206,438	8,251,581	—	—	206,438	8,251,581
Taylor Electric Coop Inc.....	—	—	—	—	—	188,167	7,190,266
Upshur Rural Elec Coop Corp.....	—	564,074	17,709,540	—	—	564,074	17,709,540
Victoria Electric Coop Inc.....	—	236,531	12,467,230	—	—	236,531	12,467,230
Wharton County Elec Coop Inc.....	—	129,160	6,482,760	—	—	129,160	6,482,760
Wise Electric Coop Inc.....	—	193,612	8,153,119	18	429	193,630	8,153,548
Wood County Electric Coop Inc.....	—	400,716	14,978,758	—	—	400,716	14,978,758
Utah							
Dixie Escalante R E A Inc.....	—	26,873	1,513,513	85,836	1,716,622	133,298	4,332,592
Flowell Electric Assn Inc.....	—	11,794	699,425	—	—	22,516	902,820
Garkane Power Assn Inc.....	—	16,807	603,329	84,366	2,290,168	101,173	2,893,497
Moon Lake Electric Assn Inc.....	—	692,348	35,293,149	10,456	405,322	928,086	39,984,164
Vermont							
Vermont Electric Coop Inc.....	—	104,947	11,185,162	8,113	813,633	125,825	12,820,926
Washington Electric Coop Inc.....	391,329	6,163	215,775	17,329	864,823	59,626	2,657,037
Virginia							
A & N Electric Coop.....	—	175,847	8,110,451	—	—	175,847	8,110,451
BARC Electric Coop Inc.....	—	132,669	6,045,881	—	-10,418	143,622	6,240,922
Central Virginia Electric Coop.....	—	—	—	—	—	418,938	18,611,554
Community Electric Coop.....	—	122,131	6,372,034	—	—	134,519	6,602,459
Craig-Botetourt Electric Coop.....	—	—	—	—	-31,970	63,000	2,364,713
Mecklenburg Electric Coop Inc.....	—	344,769	16,746,596	—	—	377,990	17,522,772
Northern Neck Elec Coop Inc.....	—	169,039	9,123,527	—	—	180,589	9,393,382
Northern Virginia Elec Coop.....	—	1,756,788	91,687,184	—	—	1,766,358	91,878,068
Prince George Electric Coop.....	—	152,090	8,013,460	—	—	159,499	8,186,567
Rappahannock Electric Coop.....	—	1,737,723	72,955,613	—	—	1,803,401	74,557,780
Shenandoah Valley Elec Coop.....	—	535,555	24,426,914	—	—	564,659	25,106,889
Southside Electric Coop Inc.....	—	511,534	25,157,074	—	—	554,217	26,154,320

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Investor-Owned		Federal		State and Other Government		Municipal
	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)
Washington							
Benton Rural Electric Assn	—	—	364,449	8,971,387	—	—	—
Big Bend Electric Coop Inc	—	—	437,816	9,650,790	—	—	—
Columbia Rural Elec Assn Inc	—	—	229,833	4,974,336	—	—	—
Lincoln Electric Coop Inc	—	—	109,621	2,681,881	—	—	—
Nespelem Valley Elec Coop Inc	—	—	39,332	1,075,063	—	—	—
Okanogan County Elec Coop Inc	—	—	38,177	1,006,388	—	—	—
Orcas Power & Light Co	—	—	150,484	4,090,490	—	—	—
Tanner Electric Coop	—	—	44,977	1,212,015	—	—	—
West Virginia							
Harrison Rural Elec Assn Inc	49,519	1,940,246	—	—	—	—	—
Wisconsin							
Adams-Columbia Electric Coop	320,837	10,808,172	—	—	—	—	—
Barron Electric Coop	—	—	—	—	—	—	—
Bayfield Electric Coop Inc	—	—	—	—	—	—	—
Buffalo Electric Coop	—	—	—	—	—	—	—
Central Wisconsin Elec Coop	75,545	2,494,215	—	—	—	—	—
Chippewa Valley Electric Coop	—	—	—	—	—	—	—
Clark Electric Coop	—	—	—	—	—	—	—
Crawford Electric Coop	—	—	—	—	—	—	—
Dunn County Electric Coop	—	—	—	—	—	—	—
Eau Claire Electric Coop	—	—	—	—	—	—	—
Grant-Lafayette Electric Coop	—	—	—	—	—	—	—
Head of Lakes Electric Coop	40,194	1,558,765	—	—	—	—	—
Jackson Electric Coop Inc	—	—	—	—	—	—	—
Jump River Electric Coop Inc	—	—	—	—	—	—	—
Oakdale Electric Coop	—	—	—	—	—	—	—
Oconto Electric Coop	80,158	3,077,138	—	—	—	—	—
Pierce-Pepin Electric Coop	—	—	—	—	—	—	—
Polk-Burnett Electric Coop	—	—	—	—	—	—	—
Price Electric Coop Inc	—	—	—	—	—	—	—
Richland Electric Coop	—	—	—	—	—	—	—
Rock County Electric Coop Assn	63,989	2,258,489	—	—	—	—	—
St Croix Electric Coop	—	—	—	—	—	—	—
Taylor Electric Coop	—	—	—	—	—	—	—
Trempealeau Electric Coop	—	—	—	—	—	—	—
Vernon Electric Coop	—	—	—	—	—	—	—
Washington Island El Coop Inc	7,704	293,539	—	—	—	—	—
Wyoming							
Big Horn Rural Electric Co	—	—	—	—	—	—	—
Bridger Valley Elec Assn Inc	—	—	39,747	727,815	—	—	—
Carbon Power & Light Inc	—	—	—	—	—	—	—
Garland Light & Power Co	—	—	—	—	—	—	—
Hot Springs Rural El Assn Inc	—	—	—	—	—	—	—
Lower Valley Power & Light Inc	—	—	454,698	12,293,276	—	—	—
Niobrara Electric Assn Inc	—	—	—	—	—	—	—
Riverton Valley Elec Assn Inc	—	—	—	—	—	—	—
Rural Electric Co	—	—	—	—	—	—	—
Sheridan-Johnson Rrl Elec Assn	—	—	—	—	—	—	—
Tri-County Electric Assn Inc	—	—	—	—	—	—	—
Wheatland Rural Elec Assn Inc	—	—	—	—	—	—	—
Wynolec Co	—	—	—	—	—	—	—

See notes and footnotes at end of table.

Table 34. Electricity Purchases by the Distribution Segment of Cooperative Borrowers, by State, 1994 (Continued)

State / Cooperative Borrower	Source of Electricity						
	Municipal	Cooperative		Other ¹		Total	
	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)	Purchases (thousand kWh)	Cost (dollars)
Washington							
Benton Rural Electric Assn.....	—	—	272,154	—	—	364,449	9,243,541
Big Bend Electric Coop Inc.....	—	—	—	—	—	437,816	9,650,790
Columbia Rural Elec Assn Inc.....	—	—	—	—	—	229,833	4,974,336
Lincoln Electric Coop Inc.....	—	—	158,183	2,302	3,561	111,923	2,843,625
Nespelem Valley Elec Coop Inc.....	—	—	—	1,187	968	40,519	1,076,031
Okanogan County Elec Coop Inc.....	—	—	—	—	—	38,177	1,006,388
Orcas Power & Light Co.....	—	—	—	—	—	150,484	4,090,490
Tanner Electric Coop.....	—	—	—	—	56	44,977	1,212,071
West Virginia							
Harrison Rural Elec Assn Inc.....	—	—	—	—	—	49,519	1,940,246
Wisconsin							
Adams-Columbia Electric Coop.....	—	—	—	113	3,959	320,950	10,812,131
Barron Electric Coop.....	—	274,500	9,934,276	—	—	274,500	9,934,276
Bayfield Electric Coop Inc.....	—	61,180	2,547,271	—	—	61,180	2,547,271
Buffalo Electric Coop.....	—	68,458	2,879,036	—	—	68,458	2,879,036
Central Wisconsin Elec Coop.....	—	—	—	—	—	75,545	2,494,215
Chippewa Valley Electric Coop.....	—	80,898	3,353,319	—	—	80,898	3,353,319
Clark Electric Coop.....	—	132,537	5,614,228	—	—	132,537	5,614,228
Crawford Electric Coop.....	—	44,303	1,856,691	—	—	44,303	1,856,691
Dunn County Electric Coop.....	—	114,315	4,944,912	—	—	114,315	4,944,912
Eau Claire Electric Coop.....	—	120,522	5,092,272	—	—	120,522	5,092,272
Grant-Lafayette Electric Coop.....	—	158,934	6,891,699	—	—	158,934	6,891,699
Head of Lakes Electric Coop.....	—	—	—	—	—	40,194	1,558,765
Jackson Electric Coop Inc.....	—	92,026	3,374,136	—	—	92,026	3,374,136
Jump River Electric Coop Inc.....	—	72,496	2,901,542	—	—	72,496	2,901,542
Oakdale Electric Coop.....	—	153,877	6,201,239	—	—	153,877	6,201,239
Oconto Electric Coop.....	—	—	—	18	1,445	80,176	3,078,583
Pierce-Pepin Electric Coop.....	—	93,921	3,723,613	—	—	93,921	3,723,613
Polk-Burnett Electric Coop.....	—	153,380	6,044,478	—	—	153,380	6,044,478
Price Electric Coop Inc.....	—	58,394	2,328,689	—	—	58,394	2,328,689
Richland Electric Coop.....	—	45,969	1,926,898	—	—	45,969	1,926,898
Rock County Electric Coop Assn.....	—	—	—	—	—	63,989	2,258,489
St Croix Electric Coop.....	—	110,766	4,659,248	—	—	110,766	4,659,248
Taylor Electric Coop.....	—	56,516	2,331,968	—	—	56,516	2,331,968
Trempealeau Electric Coop.....	—	128,946	5,251,220	—	—	128,946	5,251,220
Vernon Electric Coop.....	—	127,105	5,487,138	—	—	127,105	5,487,138
Washington Island El Coop Inc.....	—	—	—	—	—	7,704	293,539
Wyoming							
Big Horn Rural Electric Co.....	—	68,190	2,527,737	68	4,417	68,258	2,532,154
Bridger Valley Elec Assn Inc.....	—	44,548	2,460,958	—	—	84,295	3,188,773
Carbon Power & Light Inc.....	—	82,599	3,300,080	—	—	82,599	3,300,080
Garland Light & Power Co.....	—	17,400	734,944	—	—	17,400	734,944
Hot Springs Rural El Assn Inc.....	—	251,986	9,139,697	—	—	251,986	9,139,697
Lower Valley Power & Light Inc.....	—	—	309,272	18,399	452,354	473,097	13,054,902
Niobrara Electric Assn Inc.....	—	53,550	2,019,502	—	—	53,550	2,019,502
Riverton Valley Elec Assn Inc.....	—	173,799	6,624,845	—	—	173,799	6,624,845
Rural Electric Co.....	—	187,234	7,624,688	—	—	187,234	7,624,688
Sheridan-Johnson Rrl Elec Assn.....	—	78,394	2,906,549	—	—	78,394	2,906,549
Tri-County Electric Assn Inc.....	—	1,161,800	44,781,951	—	—	1,161,800	44,781,951
Wheatland Rural Elec Assn Inc.....	—	99,498	3,966,362	—	—	99,498	3,966,362
Wyrulec Co.....	—	138,450	5,085,210	1	9	138,451	5,085,219

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •The Department of Agriculture under the Rural Electrification Act is authorized to provide Federal commitments for long-term financing and to guarantee non-Federal long-term loans to utilities supplying power to rural America. The utilities that received guarantees for their loans are referred to as borrowers by the RUS. Nonborrowing cooperatives and other utilities that do not borrow from the RUS are not required to file the RUS-7 and RUS-12 forms. •Distribution borrowers do not generate electricity; they purchase electricity from other utilities. •For identification purposes, the Cooperative Borrowers are listed in the State in which the administrative office is located. •Totals may not equal sum of components because of independent rounding.

Source: Rural Utilities Service, RUS Form 7, "Financial and Statistical Report," RUS Form 12a through 12i, "Electric Power Supply Borrowers," Form 12c through 12g, "Electric Distribution Borrowers with Generating Facilities."

Table 35. Electricity Purchases by Cooperative Utilities Not Reported to the Rural Utilities Service, by State, 1994

State / Utility	Source of Electricity (Purchases in thousand kWh)						Total
	Investor-Owned	Federal	State and Other Government	Municipal	Cooperative	Other ¹	
Alaska							
Arctic Utilities Inc	—	—	—	—	—	30	30
Chugach Electric Assn Inc	—	54,847	—	5,144	178,234	118,839	357,064
Arizona							
Graham County Elec Coop Inc	—	—	—	—	101,031	—	101,031
Florida							
Lee County Electric Coop Inc	—	—	—	—	2,203,648	—	2,203,648
Illinois							
Edgar Electric Coop Assn	—	—	—	—	69,554	—	69,554
Illinois Valley Elec Coop Inc	—	—	—	—	75,135	—	75,135
Shelby Electric Coop Inc	—	—	—	—	195,734	—	195,734
Indiana							
Bartholomew County Rural E M C	—	—	—	—	189,543	—	189,543
Carroll County Rural E M C	—	—	—	—	129,573	—	129,573
Clark County Rural E M C	—	—	—	—	225,267	—	225,267
Hendricks County Rural E M C	—	—	—	—	271,826	—	271,826
Henry County Rural E M C	—	—	—	—	143,103	—	143,103
Iowa							
Boone Valley Electric Coop	—	—	—	—	5,877	—	5,877
Cass Electric Coop	—	—	—	—	1,065	—	1,065
Louisiana							
Beauregard Electric Coop Inc	—	—	—	—	507,247	—	507,247
Michigan							
Presque Isle Electric Coop Inc	—	—	—	—	195,470	—	195,470
Missouri							
Cuivre River Electric Coop Inc	—	—	—	—	572,275	—	572,275
Nevada							
Farmers Mutual Power Assn	—	—	—	—	1,260	—	1,260
Penoyer Valley Electric Coop	—	—	460	—	—	—	460
Ohio							
Licking Rural Electric Inc	—	—	—	—	258,235	—	258,235
TriCounty Rural Elec Coop Inc	—	—	—	—	52,500	—	52,500
Oklahoma							
People 's Electric Coop	—	—	—	—	256,507	—	256,507
Pennsylvania							
New Enterprise R E C Inc	—	—	—	—	42,539	—	42,539
Texas							
Cooke County Elec Coop Assn	—	—	—	—	253,000	—	253,000
East Texas Electric Coop Inc	456,841	—	—	—	156,550	203,503	816,894
Fort Belknap Electric Coop Inc	—	—	—	—	92,840	—	92,840
Mid-South Electric Coop Assn	—	—	—	—	272,027	—	272,027
Rayburn Country Elec Coop Inc	1,239,892	203,093	—	—	131,659	—	1,574,644
Virginia							
Old Dominion Electric Coop	5,370,452	—	—	108	—	1,049	5,371,609

¹ Includes transactions with power pools, utilities in Canada and Mexico, and nonutilities.

—Not Applicable

Notes: •The Department of Agriculture under the Rural Electrification Act is authorized to provide Federal commitments for long-term financing and to guarantee non-Federal long-term loans to utilities supplying power to rural America. The utilities that received guarantees for their loans are referred to as borrowers by the RUS. Nonborrowing cooperatives and other utilities that do not borrow from the RUS are not required to file the RUS-7 and RUS-12 forms. •Distribution borrowers do not generate electricity; they purchase electricity from other utilities. •For identification purposes, the Cooperative Borrowers are listed in the State in which the administrative office is located. •Totals may not equal sum of components because of independent rounding.

Source: •Energy Information Administration Form EIA-861, "Annual Electric Utility Report" and FERC Form 1, "Annual Report of Major Public Utilities, Licensees and Others."

Table 36. Electricity Exchanges and Wheeling by Cooperative Utilities, by State, 1994
(Thousand Kilowatthours)

State / Cooperative Borrower	Exchanges		Wheeling	
	Received	Delivered	Received	Delivered
Alabama				
Alabama Electric Coop Inc	—	—	94,438	94,438
Alaska				
Chugach Electric Assn Inc	73,094	78,200	133,877	133,877
Arizona				
Arizona Electric Pwr Coop Inc	49,090	33,096	10,030	9,637
Electrical Dist No3 Pinal Cnty.....	9,700	4,914	—	—
Arkansas				
Arkansas Electric Coop Corp.....	20,002	28,932	—	—
Colorado				
Empire Electric Assn Inc	—	—	24,088	23,519
Tri-State G & T Assn Inc	1,364,465	1,365,335	164,960	157,390
Florida				
Florida Keys El Coop Assn Inc	—	—	538,072	508,961
Seminole Electric Coop Inc	14,951	18,909	43,593	43,377
Idaho				
Rural Electric Co	—	—	1,331	1,331
Illinois				
Southern Illinois Power Coop	302,015	257,517	—	—
Indiana				
Hoosier Energy R E C Inc	65,773	83,938	220,282	209,884
Iowa				
Central Iowa Power Coop	1,679,424	1,582,719	—	—
Corn Belt Power Coop	41,427	187,606	—	—
L & O Power Coop	—	—	99,913	96,534
Northwest Iowa Power Coop	151,217	146,349	332,498	318,144
Kansas				
Midwest Energy Inc	574	1,183	—	—
Sunflower Electric Power Corp	—	—	70,262	70,262
Kentucky				
Big Rivers Electric Corp	47,005	48,946	1,668,231	1,668,231
East Kentucky Power Coop Inc	183,192	187,746	1,643,746	1,643,746
Minnesota				
United Power Assn	6,878	56,458	63,303	51,349
Mississippi				
South Mississippi El Pwr Assn	15,111	22,619	597,000	579,083
Missouri				
Associated Electric Coop Inc	176,345	74,675	701,665	648,010
Sho-Me Power Electric Coop.....	—	—	112,582	112,582
Montana				
Sun River Electric Coop Inc	—	—	3,119	3,119
Nevada				
Valley Electric Assn Inc.....	20,083	17,253	—	—
New Mexico				
Plains Elec Gen&Trans Coop Inc	19,702	76,536	—	—
North Dakota				
Basin Electric Power Coop	68,668	—	—	—
Minnkota Power Coop Inc	86,677	163,549	273,620	255,720
Mor-Gran-Sou Electric Coop Inc.....	—	—	150	150

See notes and footnotes at end of table.

Table 36. Electricity Exchanges and Wheeling by Cooperative Utilities, by State, 1994
(Thousand Kilowatthours) (Continued)

State / Cooperative Borrower	Exchanges		Wheeling	
	Received	Delivered	Received	Delivered
Oklahoma				
Cotton Electric Coop Inc.....	—	—	6,103	6,103
Peoples Electric Coop Inc.....	—	—	44,509	44,509
Western Farmers Elec Coop Inc.....	34,969	35,469	—	—
South Dakota				
East River Elec Power Coop Inc.....	—	—	342,634	320,941
Texas				
Brazos Electric Power Coop Inc.....	20,455,218	20,430,146	180,656	176,195
Rayburn Country Elec Coop, Inc.....	158,945	198,491	—	—
South Texas Electric Coop Inc.....	—	280,089	—	3,356
Utah				
Deseret Generation & Tran Coop.....	12,754	34,842	—	—
Flowell Electric Assn Inc.....	3,898	3,898	—	—
Moon Lake Electric Assn Inc.....	879	879	—	—
Virginia				
Rappahannock Electric Coop.....	—	—	3,917	3,844
Wyoming				
Big Horn Rural Electric Co.....	—	—	9,466	9,052

—Not Applicable

Notes: •The Department of Agriculture under the Rural Electrification Act is authorized to provide Federal commitments for long-term financing and to guarantee non-Federal long-term loans to utilities supplying power to rural America. The utilities that received guarantees for their loans are referred to as borrowers by the RUS. Nonborrowing cooperatives and other utilities that do not borrow from the RUS are not required to file the Rural Utilities Service, RUS Form 7, "Financial and Statistical Report," the RUS Form 12a through 12i, "Electric Power Supply Borrowers," and the Form 12c through 12g, "Electric Distribution Borrowers with Generating Facilities." •For identification purposes, the Cooperative Borrowers are listed in the State in which the administrative office is located. •Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

5. Selected Information on the Physical Transmission System

Overview

This chapter presents data on selected portions of the physical electrical system that investor- and publicly owned electric utilities report on FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others," and Form EIA-412, "Annual Report of Public Electric Utilities." Data on cooperative utilities cannot be provided because the filings submitted to the Rural Electrification Administration are not inclusive of the same information requested from the other ownership classes. Summary totals (in NERC regions) of these collected data are presented for the first time. Figure 18 highlights the high voltage transmission system in the United States.

Tables

This chapter presents summary (by NERC Region) and individual statistics on voltage of transmission lines 138 kilovolts and above for both alternating and direct current lines.⁸ The data are shown in the categories of overhead and underground/submarine lines for both structural and circuit miles for the following types of utilities.

- Investor-owned electric utilities (Tables 37 and 38)
- Federal power authorities (Tables 39 and 40)
- State and other government utilities (Tables 39 and 40)
- Municipalities (Tables 39 and 40).

Transmission lines added and watthour/line transformer information are not collected from public utilities. Fiscal-year ending dates for each public utility differ and are not included in the tables. Transmission line data are, therefore, not necessarily for the same time period.

Tables 41 and 42 provide summary and detailed information on the transmission lines added by investor-

owned electric utilities in 1994. Information is presented for lines 138 kilovolts and above for alternating current. No direct current lines were added in 1994. In addition, line cost information is presented and broken into the categories of land, structural, conductors and supporting equipment, and the total. Table 41 aggregates the line type by mileage ranges associated with the construction and/or removal of the transmission lines. Public utilities are not required to file this information on the Form EIA-412.

Negative numbers in the tables represent the removal of transmission mileage from the physical electrical system. Some negative numbers in the cost information represent removal of the cost of those lines and equipment from the ratebase. Upgrades to conductors and other equipment for transmission lines currently in operation in the transmission system may be shown without an associated line length. Summary and detailed information on line transformer and watthour meter totals are provided by investor-owned electric utilities (Tables 43 and 44). This information is broken into the following categories: number of line transformers present at the beginning of the year; additions during the year; reductions during the year; total in use by customers; total in use by the electric company; and summary information on what is kept in stock, locked at the customer's site, and in an inactive status. The line transformer capacity in megavoltamperes is also presented by the same categories.

Summary

Many other types of electrical equipment used in support for operating the electrical grid are not singled out for collection nor are the relationships of megavoltampere, reactive power, and megawatts highlighted. The information shown in this chapter does not describe the operation of the physical electrical system nor the costing of its services. Both cost allocation and how engineering operations are linked to the contract trade of electricity are issues that are in the forefront for the changing electric power industry.

⁸ No data are required to be filed on voltages less than 138 kilovolts.

Figure 18. Selected High-Voltage Transmission Lines in the Contiguous United States

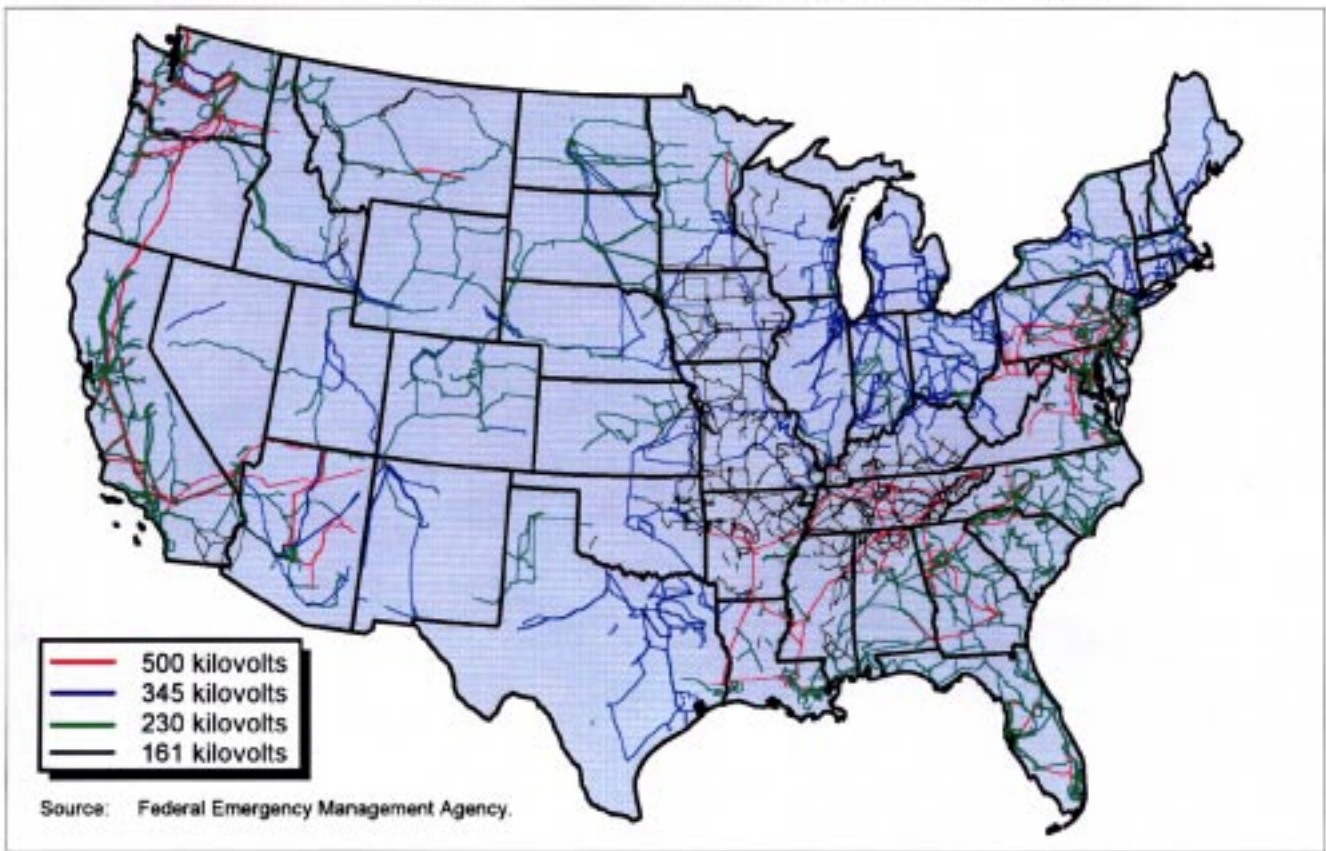


Table 37. Transmission Line Statistics of Investor-Owned Utilities, by NERC Region, 1994

Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Investor-Owned Utilities in ECAR				
Alternating Current				
138 Kilovolts.....	18,840	24,315	69	66
154 Kilovolts.....	66	264	—	—
161 Kilovolts.....	564	564	—	—
230 Kilovolts.....	819	1,069	—	—
345 Kilovolts.....	7,910	12,913	11	11
500 Kilovolts.....	1,011	1,011	—	—
765 Kilovolts.....	2,020	2,020	—	—
Investor-Owned Utilities in ERCOT				
Alternating Current				
138 Kilovolts.....	11,082	13,129	34	67
345 Kilovolts.....	4,193	7,817	15	15
Investor-Owned Utilities in MAAC				
Alternating Current				
138 Kilovolts.....	846	1,070	180	208
220 Kilovolts.....	472	570	6	6
230 Kilovolts.....	3,407	4,512	152	204
345 Kilovolts.....	153	159	17	17
500 Kilovolts.....	1,669	1,689	—	—
Investor-Owned Utilities in MAIN				
Alternating Current				
138 Kilovolts.....	8,122	10,524	284	295
161 Kilovolts.....	827	833	—	—
230 Kilovolts.....	190	261	—	—
345 Kilovolts.....	4,021	5,341	—	—
765 Kilovolts.....	90	90	—	—
Investor-Owned Utilities in MAPP				
Alternating Current				
138 Kilovolts.....	6	6	—	—
161 Kilovolts.....	3,042	3,245	1	1
230 Kilovolts.....	1,550	1,555	—	—
345 Kilovolts.....	2,108	2,487	—	—
500 Kilovolts.....	273	273	—	—
Investor-Owned Utilities in NPCC				
Alternating Current				
138 Kilovolts.....	314	348	304	427
230 Kilovolts.....	4,762	5,002	6	6
345 Kilovolts.....	3,288	3,906	121	192
500 Kilovolts.....	10	10	—	—
Direct Current				
450 Kilovolts.....	434	434	—	—
Investor-Owned Utilities in SERC				
Alternating Current				
138 Kilovolts.....	2,174	2,476	38	38
161 Kilovolts.....	390	427	—	—
230 Kilovolts.....	14,596	18,357	61	69
500 Kilovolts.....	4,061	4,062	—	—
525 Kilovolts.....	575	575	—	—
Investor-Owned Utilities in SPP				
Alternating Current				
138 Kilovolts.....	7,453	8,394	47	47
161 Kilovolts.....	3,777	3,864	10	10
230 Kilovolts.....	4,216	4,707	48	48
345 Kilovolts.....	3,798	4,035	—	—

See notes and footnotes at end of table.

**Table 37. Transmission Line Statistics of Investor-Owned Utilities, by NERC Region, 1994
(Continued)**

Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Investor-Owned Utilities in SPP				
Alternating Current 500 Kilovolts	2,076	2,231	—	—
Investor-Owned Utilities in WSCC				
Alternating Current				
138 Kilovolts	3,803	5,305	1	1
161 Kilovolts	1,700	1,839	—	—
220 Kilovolts	2,707	3,483	—	—
230 Kilovolts	13,275	16,902	60	60
345 Kilovolts	7,207	8,200	—	—
500 Kilovolts	6,069	7,549	—	—
800 Kilovolts	313	313	—	—
Contiguous U.S. Total				
Alternating Current				
138 Kilovolts	52,640	65,567	957	1,149
154 Kilovolts	66	264	—	—
161 Kilovolts	10,300	10,772	11	11
220 Kilovolts	3,179	4,053	6	6
230 Kilovolts	42,815	52,365	327	387
345 Kilovolts	32,678	44,858	164	235
500 Kilovolts	15,169	16,825	—	—
525 Kilovolts	575	575	—	—
765 Kilovolts	2,110	2,110	—	—
800 Kilovolts	313	313	—	—
Direct Current				
450 Kilovolts	434	434	—	—

Notes: •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska System Coordinating Council is not included. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding. •Voluntary filings of distribution line and transmission line data below 138 kilovolts are not included in this table.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report for Nonmajor Public Utilities and Licensees."

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Alabama Power Company				
Alternating Current				
161 Kilovolts.....	326	327	—	—
230 Kilovolts.....	1,342	1,347	—	—
500 Kilovolts.....	315	315	—	—
Alcoa Generating Corporation				
Alternating Current				
138 Kilovolts.....	2	2	—	—
Allegheny Generating Company				
Alternating Current				
500 Kilovolts.....	85	85	—	—
Appalachian Power Company				
Alternating Current				
138 Kilovolts.....	2,045	3,092	1	1
230 Kilovolts.....	46	91	—	—
345 Kilovolts.....	285	381	—	—
500 Kilovolts.....	95	95	—	—
765 Kilovolts.....	641	641	—	—
Arizona Public Service Company				
Alternating Current				
230 Kilovolts.....	547	665	14	14
345 Kilovolts.....	566	1,156	—	—
500 Kilovolts.....	572	1,371	—	—
Arkansas Power & Light Company				
Alternating Current				
161 Kilovolts.....	1,411	1,450	—	—
230 Kilovolts.....	159	258	—	—
345 Kilovolts.....	44	44	—	—
500 Kilovolts.....	893	893	—	—
Atlantic City Electric Company				
Alternating Current				
138 Kilovolts.....	207	301	—	—
230 Kilovolts.....	127	133	—	—
500 Kilovolts.....	24	24	—	—
Baltimore Gas & Electric Co				
Alternating Current				
138 Kilovolts.....	14	14	—	—
230 Kilovolts.....	179	308	11	32
500 Kilovolts.....	205	205	—	—
Black Hills Corporation				
Alternating Current				
230 Kilovolts.....	447	447	—	—
Blackstone Valley Electric Co				
Alternating Current				
345 Kilovolts.....	21	21	—	—
Boston Edison Company				
Alternating Current				
230 Kilovolts.....	18	36	—	—
345 Kilovolts.....	106	115	21	21
Carolina Power & Light Company				
Alternating Current				
230 Kilovolts.....	2,764	2,910	—	—
500 Kilovolts.....	292	292	—	—
Central Hudson Gas & Elec Corp				
Alternating Current				
345 Kilovolts.....	76	76	—	—
Central Illinois Light Company				
Alternating Current				
138 Kilovolts.....	226	477	—	—
345 Kilovolts.....	47	82	—	—
Central Illinois Pub Serv Co				
Alternating Current				
138 Kilovolts.....	1,472	1,474	—	—
161 Kilovolts.....	58	58	—	—
230 Kilovolts.....	48	48	—	—
345 Kilovolts.....	290	290	—	—
Central Louisiana Elec Co Inc				
Alternating Current				
138 Kilovolts.....	622	674	—	—
230 Kilovolts.....	442	458	—	—
500 Kilovolts.....	67	67	—	—

See notes and footnotes at end of table.

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Central Maine Power Company				
Alternating Current				
345 Kilovolts.....	268	270	—	—
Direct Current				
450 Kilovolts.....	191	191	—	—
Central Power & Light Company				
Alternating Current				
138 Kilovolts.....	2,293	2,429	9	9
345 Kilovolts.....	486	815	15	15
Cincinnati Gas & Electric Co				
Alternating Current				
138 Kilovolts.....	417	598	6	6
345 Kilovolts.....	309	388	—	—
Cleveland Elec Illuminating Co				
Alternating Current				
230 Kilovolts.....	1	1	—	—
345 Kilovolts.....	281	358	—	—
Columbus Southern Power Co				
Alternating Current				
138 Kilovolts.....	692	814	35	35
345 Kilovolts.....	368	405	—	—
Commonwealth Edison Co IN Inc				
Alternating Current				
138 Kilovolts.....	3	6	—	—
345 Kilovolts.....	22	44	—	—
Commonwealth Edison Company				
Alternating Current				
138 Kilovolts.....	1,660	2,608	240	240
345 Kilovolts.....	1,572	2,468	—	—
765 Kilovolts.....	90	90	—	—
Commonwealth Electric Company				
Alternating Current				
345 Kilovolts.....	60	114	—	—
Connecticut Light & Power Co				
Alternating Current				
138 Kilovolts.....	6	6	—	—
345 Kilovolts.....	343	349	—	—
Consolidated Edison Co of NY				
Alternating Current				
138 Kilovolts.....	12	23	180	300
230 Kilovolts.....	—	—	—	—
345 Kilovolts.....	200	344	87	158
500 Kilovolts.....	5	5	—	—
Consumers Power Company				
Alternating Current				
138 Kilovolts.....	3,251	3,875	4	4
345 Kilovolts.....	1,137	3,604	—	—
Dayton Power & Light Company				
Alternating Current				
138 Kilovolts.....	282	336	3	—
345 Kilovolts.....	376	455	—	—
Delmarva Power & Light Co				
Alternating Current				
138 Kilovolts.....	435	450	—	—
230 Kilovolts.....	238	247	—	—
500 Kilovolts.....	27	27	—	—
Detroit Edison Company				
Alternating Current				
138 Kilovolts.....	31	31	—	—
230 Kilovolts.....	64	77	—	—
345 Kilovolts.....	532	961	—	—
Duke Power Company				
Alternating Current				
138 Kilovolts.....	7	7	—	—
161 Kilovolts.....	1	1	—	—
230 Kilovolts.....	1,396	2,499	—	—
525 Kilovolts.....	575	575	—	—

See notes and footnotes at end of table.

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Duquesne Light Company				
Alternating Current				
138 Kilovolts.....	203	391	15	15
345 Kilovolts.....	111	150	11	11
Edison Sault Electric Company				
Alternating Current				
138 Kilovolts.....	2	5	4	4
El Paso Electric Company				
Alternating Current				
345 Kilovolts.....	833	943	—	—
500 Kilovolts.....	—	165	—	—
Electric Energy Inc				
Alternating Current				
161 Kilovolts.....	55	55	—	—
Empire District Electric Co				
Alternating Current				
161 Kilovolts.....	395	400	—	—
345 Kilovolts.....	22	22	—	—
Florida Power & Light Company				
Alternating Current				
138 Kilovolts.....	1,995	2,273	38	38
230 Kilovolts.....	2,189	3,066	31	32
500 Kilovolts.....	1,050	1,050	—	—
Florida Power Corporation				
Alternating Current				
230 Kilovolts.....	1,145	1,411	8	8
500 Kilovolts.....	169	169	—	—
Georgia Power Company				
Alternating Current				
230 Kilovolts.....	1,991	2,109	—	—
500 Kilovolts.....	1,099	1,099	—	—
Green Mountain Power Corp				
Direct Current				
450 Kilovolts.....	52	52	—	—
Gulf Power Company				
Alternating Current				
230 Kilovolts.....	389	389	—	—
Gulf States Utilities Company				
Alternating Current				
138 Kilovolts.....	1,873	2,433	—	—
230 Kilovolts.....	569	876	—	—
345 Kilovolts.....	37	37	—	—
500 Kilovolts.....	469	623	—	—
Hawaiian Electric Company Inc				
Alternating Current				
138 Kilovolts.....	151	188	4	5
Houston Lighting & Power Co				
Alternating Current				
138 Kilovolts.....	1,585	2,001	2	6
345 Kilovolts.....	616	1,037	—	—
Idaho Power Company				
Alternating Current				
138 Kilovolts.....	1,316	1,772	—	—
161 Kilovolts.....	139	188	—	—
230 Kilovolts.....	876	1,185	—	—
345 Kilovolts.....	575	732	—	—
500 Kilovolts.....	2	2	—	—
Illinois Power Company				
Alternating Current				
138 Kilovolts.....	1,310	1,341	—	—
230 Kilovolts.....	—	—	—	—
345 Kilovolts.....	452	565	—	—
Indiana Michigan Power Company				
Alternating Current				
138 Kilovolts.....	1,094	1,771	—	—
345 Kilovolts.....	886	1,580	—	—
765 Kilovolts.....	614	614	—	—

See notes and footnotes at end of table.

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Indiana-Kentucky Electric Corp				
Alternating Current				
138 Kilovolts.....	2	2	—	—
345 Kilovolts.....	43	86	—	—
Indianapolis Power & Light Co				
Alternating Current				
138 Kilovolts.....	314	359	—	—
345 Kilovolts.....	440	475	—	—
Interstate Power Company				
Alternating Current				
161 Kilovolts.....	717	731	—	—
345 Kilovolts.....	135	135	—	—
Iowa-Illinois Gas & Elec Co				
Alternating Current				
161 Kilovolts.....	374	381	—	—
345 Kilovolts.....	305	305	—	—
IES Utilities Inc				
Alternating Current				
161 Kilovolts.....	638	647	—	—
345 Kilovolts.....	241	241	—	—
Jersey Central Pwr & Light Co				
Alternating Current				
230 Kilovolts.....	401	640	—	—
500 Kilovolts.....	18	18	—	—
Kansas City Power & Light Co				
Alternating Current				
161 Kilovolts.....	832	844	10	10
345 Kilovolts.....	294	297	—	—
Kansas Gas & Electric Company				
Alternating Current				
138 Kilovolts.....	462	511	—	—
161 Kilovolts.....	177	178	—	—
345 Kilovolts.....	663	672	—	—
Kentucky Power Company				
Alternating Current				
138 Kilovolts.....	243	278	—	—
161 Kilovolts.....	46	46	—	—
345 Kilovolts.....	8	8	—	—
765 Kilovolts.....	258	258	—	—
Kentucky Utilities Company				
Alternating Current				
138 Kilovolts.....	861	861	—	—
161 Kilovolts.....	518	518	—	—
345 Kilovolts.....	354	456	—	—
500 Kilovolts.....	57	57	—	—
Kingsport Power Company				
Alternating Current				
138 Kilovolts.....	22	43	—	—
Long Island Lighting Company				
Alternating Current				
138 Kilovolts.....	215	225	121	123
345 Kilovolts.....	—	—	8	8
Louisiana Power & Light Co				
Alternating Current				
138 Kilovolts.....	15	15	—	—
230 Kilovolts.....	487	492	48	48
345 Kilovolts.....	17	17	—	—
500 Kilovolts.....	242	243	—	—
Louisville Gas & Electric Co				
Alternating Current				
138 Kilovolts.....	248	365	1	1
154 Kilovolts.....	66	264	—	—
345 Kilovolts.....	102	133	—	—
Madison Gas & Electric Company				
Alternating Current				
138 Kilovolts.....	71	82	3	3
345 Kilovolts.....	116	124	—	—

See notes and footnotes at end of table.

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Maine Electric Power Co Inc				
Alternating Current				
345 Kilovolts.....	177	177	—	—
Maine Public Service Company				
Alternating Current				
138 Kilovolts.....	12	12	—	—
Metropolitan Edison Company				
Alternating Current				
138 Kilovolts.....	3	3	—	—
230 Kilovolts.....	300	383	—	—
500 Kilovolts.....	188	188	—	—
Midwest Power Systems Inc				
Alternating Current				
161 Kilovolts.....	930	1,099	1	1
345 Kilovolts.....	563	758	—	—
Minnesota Power & Light Co				
Alternating Current				
138 Kilovolts.....	6	6	—	—
230 Kilovolts.....	606	607	—	—
500 Kilovolts.....	8	8	—	—
Mississippi Power & Light Co				
Alternating Current				
161 Kilovolts.....	6	6	—	—
230 Kilovolts.....	476	505	—	—
500 Kilovolts.....	358	358	—	—
Mississippi Power Company				
Alternating Current				
230 Kilovolts.....	576	576	—	—
500 Kilovolts.....	79	79	—	—
Monongahela Power Company				
Alternating Current				
138 Kilovolts.....	1,200	1,259	—	—
345 Kilovolts.....	11	11	—	—
500 Kilovolts.....	283	283	—	—
Montana Power Company				
Alternating Current				
161 Kilovolts.....	1,121	1,121	—	—
230 Kilovolts.....	953	953	—	—
500 Kilovolts.....	495	495	—	—
Montaup Electric Company				
Alternating Current				
345 Kilovolts.....	47	47	—	—
MDU Resources Group Inc				
Alternating Current				
230 Kilovolts.....	280	280	—	—
345 Kilovolts.....	39	39	—	—
Nantahala Power & Light Co				
Alternating Current				
161 Kilovolts.....	63	99	—	—
Narragansett Electric Co				
Alternating Current				
345 Kilovolts.....	26	26	—	—
Nevada Power Company				
Alternating Current				
138 Kilovolts.....	231	315	—	—
230 Kilovolts.....	292	368	—	—
345 Kilovolts.....	69	69	—	—
500 Kilovolts.....	410	410	—	—
New England Elec Trans Co				
Direct Current				
450 Kilovolts.....	6	6	—	—
New England Hydro-Trans Corp				
Direct Current				
450 Kilovolts.....	121	121	—	—
New England Hydro-Trans Elec				
Direct Current				
450 Kilovolts.....	12	12	—	—

See notes and footnotes at end of table.

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
New England Power Company				
Alternating Current				
230 Kilovolts.....	367	367	—	—
345 Kilovolts.....	291	291	—	—
New Orleans Public Service Inc				
Alternating Current				
230 Kilovolts.....	50	56	—	—
New York State Elec & Gas Corp				
Alternating Current				
230 Kilovolts.....	200	200	—	—
345 Kilovolts.....	533	628	—	—
Niagara Mohawk Power Corp				
Alternating Current				
230 Kilovolts.....	3,867	4,089	6	6
345 Kilovolts.....	677	945	2	2
Northern Indiana Pub Serv Co				
Alternating Current				
138 Kilovolts.....	581	757	—	—
345 Kilovolts.....	309	354	—	—
Northern States Power Co (MN)				
Alternating Current				
161 Kilovolts.....	59	59	—	—
230 Kilovolts.....	283	287	—	—
345 Kilovolts.....	567	751	—	—
500 Kilovolts.....	265	265	—	—
Northern States Power Co (WI)				
Alternating Current				
161 Kilovolts.....	281	285	—	—
345 Kilovolts.....	161	161	—	—
Northwestern Public Service Co				
Alternating Current				
230 Kilovolts.....	18	18	—	—
345 Kilovolts.....	49	49	—	—
Ohio Edison Company				
Alternating Current				
138 Kilovolts.....	1,498	2,150	—	—
345 Kilovolts.....	490	571	—	—
Ohio Power Company				
Alternating Current				
138 Kilovolts.....	1,819	2,512	—	—
345 Kilovolts.....	649	910	—	—
765 Kilovolts.....	507	507	—	—
Ohio Valley Electric Corp				
Alternating Current				
345 Kilovolts.....	345	689	—	—
Oklahoma Gas & Electric Co				
Alternating Current				
138 Kilovolts.....	1,696	1,802	—	—
161 Kilovolts.....	152	152	—	—
345 Kilovolts.....	785	1,005	—	—
500 Kilovolts.....	47	47	—	—
Orange & Rockland Utils Inc				
Alternating Current				
138 Kilovolts.....	69	82	3	4
345 Kilovolts.....	48	88	3	3
500 Kilovolts.....	5	5	—	—
Otter Tail Power Company				
Alternating Current				
230 Kilovolts.....	363	363	—	—
345 Kilovolts.....	48	48	—	—
Pacific Gas & Electric Company				
Alternating Current				
230 Kilovolts.....	3,494	5,752	31	31
500 Kilovolts.....	1,069	1,069	—	—
PacifiCorp				
Alternating Current				
138 Kilovolts.....	1,705	2,365	—	—
161 Kilovolts.....	388	478	—	—
230 Kilovolts.....	3,152	3,160	—	—
345 Kilovolts.....	1,877	1,989	—	—
500 Kilovolts.....	642	642	—	—

See notes and footnotes at end of table.

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Pennsylvania Electric Company				
Alternating Current				
138 Kilovolts.....	11	11	—	—
230 Kilovolts.....	643	650	—	—
345 Kilovolts.....	149	149	—	—
500 Kilovolts.....	235	235	—	—
Pennsylvania Power & Light Co				
Alternating Current				
230 Kilovolts.....	864	1,069	—	—
500 Kilovolts.....	275	275	—	—
Pennsylvania Power Company				
Alternating Current				
138 Kilovolts.....	147	172	—	—
345 Kilovolts.....	51	58	—	—
Portland General Electric Co				
Alternating Current				
230 Kilovolts.....	285	408	—	—
500 Kilovolts.....	211	706	—	—
Potomac Edison Company				
Alternating Current				
138 Kilovolts.....	803	856	—	—
230 Kilovolts.....	92	153	—	—
500 Kilovolts.....	202	202	—	—
Potomac Electric Power Company				
Alternating Current				
138 Kilovolts.....	—	—	72	100
230 Kilovolts.....	341	640	58	89
500 Kilovolts.....	124	142	—	—
Public Service Co of Colorado				
Alternating Current				
138 Kilovolts.....	65	65	—	—
230 Kilovolts.....	1,606	1,926	15	15
345 Kilovolts.....	112	112	—	—
Public Service Co of NH				
Alternating Current				
230 Kilovolts.....	9	9	—	—
345 Kilovolts.....	252	252	—	—
Public Service Co of NM				
Alternating Current				
230 Kilovolts.....	180	180	—	—
345 Kilovolts.....	1,551	1,551	—	—
500 Kilovolts.....	165	165	—	—
Public Service Co of Oklahoma				
Alternating Current				
138 Kilovolts.....	1,805	1,979	—	—
230 Kilovolts.....	34	34	—	—
345 Kilovolts.....	597	600	—	—
Public Service Elec & Gas Co				
Alternating Current				
138 Kilovolts.....	174	289	102	102
230 Kilovolts.....	314	442	83	83
345 Kilovolts.....	2	3	17	17
500 Kilovolts.....	300	300	—	—
Puget Sound Power & Light Co				
Alternating Current				
230 Kilovolts.....	248	248	—	—
500 Kilovolts.....	497	497	—	—
PECO Energy Company				
Alternating Current				
220 Kilovolts.....	457	555	6	6
500 Kilovolts.....	273	275	—	—
PSI Energy Inc				
Alternating Current				
138 Kilovolts.....	1,227	1,559	—	—
230 Kilovolts.....	544	675	—	—
345 Kilovolts.....	674	700	—	—
Rockland Electric Company				
Alternating Current				
138 Kilovolts.....	2	2	6	6
345 Kilovolts.....	2	7	—	—

See notes and footnotes at end of table.

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Safe Harbor Water Power Corp				
Alternating Current				
220 Kilovolts.....	1	1	—	—
San Diego Gas & Electric Co				
Alternating Current				
138 Kilovolts.....	220	447	1	1
230 Kilovolts.....	267	675	—	—
500 Kilovolts.....	279	279	—	—
Savannah Electric & Power Co				
Alternating Current				
230 Kilovolts.....	70	102	—	—
Sierra Pacific Power Company				
Alternating Current				
230 Kilovolts.....	390	390	—	—
345 Kilovolts.....	526	526	—	—
South Beloit Water Gas&Elec Co				
Alternating Current				
345 Kilovolts.....	—	—	—	—
South Carolina Elec & Gas Co				
Alternating Current				
230 Kilovolts.....	772	865	—	—
Southern California Edison Co				
Alternating Current				
161 Kilovolts.....	52	52	—	—
220 Kilovolts.....	2,707	3,483	—	—
500 Kilovolts.....	1,216	1,237	—	—
800 Kilovolts.....	313	313	—	—
Southern Elec Generating Co				
Alternating Current				
230 Kilovolts.....	268	268	—	—
Southern Indiana Gas & Elec Co				
Alternating Current				
138 Kilovolts.....	260	272	—	—
Southwestern Elec Service Co				
Alternating Current				
138 Kilovolts.....	44	44	—	—
Southwestern Electric Power Co				
Alternating Current				
138 Kilovolts.....	980	980	47	47
161 Kilovolts.....	196	196	—	—
345 Kilovolts.....	564	564	—	—
Southwestern Public Service Co				
Alternating Current				
230 Kilovolts.....	1,692	1,721	—	—
345 Kilovolts.....	161	161	—	—
St Joseph Light & Power Co				
Alternating Current				
161 Kilovolts.....	80	80	—	—
345 Kilovolts.....	220	220	—	—
Superior Water Light&Power Co				
Alternating Current				
161 Kilovolts.....	43	43	—	—
Susquehanna Electric Company				
Alternating Current				
220 Kilovolts.....	14	14	—	—
System Energy Resources Inc				
Alternating Current				
500 Kilovolts.....	1	2	—	—
Tampa Electric Company				
Alternating Current				
138 Kilovolts.....	53	62	—	—
230 Kilovolts.....	355	472	—	—
Texas Utilities Electric Co				
Alternating Current				
138 Kilovolts.....	5,454	6,941	23	52
345 Kilovolts.....	2,617	5,473	—	—
Texas-New Mexico Power Co				
Alternating Current				
138 Kilovolts.....	204	212	—	—
345 Kilovolts.....	253	271	—	—

See notes and footnotes at end of table.

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Toledo Edison Company				
Alternating Current				
138 Kilovolts.....	389	506	—	—
345 Kilovolts.....	134	158	—	—
Tucson Electric Power Company				
Alternating Current				
138 Kilovolts.....	266	341	—	—
345 Kilovolts.....	1,098	1,122	—	—
500 Kilovolts.....	511	511	—	—
Union Electric Company				
Alternating Current				
138 Kilovolts.....	990	1,410	—	—
161 Kilovolts.....	713	718	—	—
230 Kilovolts.....	90	90	—	—
345 Kilovolts.....	723	898	—	—
United Illuminating Company				
Alternating Current				
345 Kilovolts.....	6	6	—	—
Upper Peninsula Power Company				
Alternating Current				
138 Kilovolts.....	348	353	—	—
UtiliCorp United Inc				
Alternating Current				
161 Kilovolts.....	376	406	—	—
345 Kilovolts.....	58	58	—	—
Vermont Electric Power Company				
Alternating Current				
230 Kilovolts.....	33	33	—	—
345 Kilovolts.....	52	52	—	—
Vermont Electric Trans Co Inc				
Direct Current				
450 Kilovolts.....	52	52	—	—
Virginia Electric & Power Co				
Alternating Current				
138 Kilovolts.....	119	134	—	—
230 Kilovolts.....	1,607	2,611	22	29
500 Kilovolts.....	1,056	1,056	—	—
Washington Water Power Company				
Alternating Current				
230 Kilovolts.....	538	545	—	—
West Penn Power Company				
Alternating Current				
138 Kilovolts.....	1,108	1,346	—	—
230 Kilovolts.....	72	72	—	—
345 Kilovolts.....	6	6	—	—
500 Kilovolts.....	273	273	—	—
West Texas Utilities Company				
Alternating Current				
138 Kilovolts.....	1,502	1,502	—	—
345 Kilovolts.....	221	221	—	—
Western Massachusetts Elec Co				
Alternating Current				
345 Kilovolts.....	105	105	—	—
Western Resources Inc				
Alternating Current				
161 Kilovolts.....	152	152	—	—
230 Kilovolts.....	307	307	—	—
345 Kilovolts.....	336	338	—	—
Wheeling Power Company				
Alternating Current				
138 Kilovolts.....	99	103	—	—
345 Kilovolts.....	9	16	—	—
500 Kilovolts.....	16	16	—	—
Wisconsin Electric Power Co				
Alternating Current				
138 Kilovolts.....	1,103	1,550	41	52
230 Kilovolts.....	52	123	—	—
345 Kilovolts.....	575	639	—	—

See notes and footnotes at end of table.

Table 38. Transmission Line Statistics of Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Wisconsin Power & Light Co				
Alternating Current				
138 Kilovolts.....	651	917	—	—
161 Kilovolts.....	1	2	—	—
345 Kilovolts.....	100	107	—	—
Wisconsin Public Service Corp				
Alternating Current				
138 Kilovolts.....	288	306	—	—
345 Kilovolts.....	124	124	—	—

—Not Applicable

Notes: •Totals may not equal sum of components because of independent rounding. •Voluntary filings of distribution line and transmission line data below 138 kilovolts are not included in this table.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report for Nonmajor Public Utilities and Licensees."

Table 39. Transmission Line Statistics of Public Utilities, by NERC Region, Fiscal Year 1994

Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Public Utilities in ECAR				
Alternating Current				
138 Kilovolts	144.69	149.52	6.15	6.15
144 Kilovolts	16.40	16.40	—	—
161 Kilovolts	13.00	13.00	—	—
230 Kilovolts	7.00	7.00	—	—
345 Kilovolts	40.00	40.00	—	—
Public Utilities in ERCOT				
Alternating Current				
138 Kilovolts	2,342.40	2,553.92	—	—
345 Kilovolts	929.01	1,019.16	—	—
Public Utilities in MAIN				
Alternating Current				
138 Kilovolts	102.31	123.27	—	—
161 Kilovolts	24.49	24.49	—	—
Public Utilities in MAPP				
Alternating Current				
161 Kilovolts	578.82	580.16	—	—
230 Kilovolts	771.59	771.59	—	—
345 Kilovolts	1,417.41	1,431.16	—	—
Public Utilities in NPCC				
Alternating Current				
230 Kilovolts	337.90	337.90	—	—
345 Kilovolts	708.30	883.10	34.60	42.60
765 Kilovolts	154.89	154.89	—	—
Public Utilities in SERC				
Alternating Current				
138 Kilovolts	548.57	640.67	2.50	2.50
161 Kilovolts	10,104.89	10,186.62	—	—
230 Kilovolts	1,487.69	1,561.65	11.34	11.34
345 Kilovolts	2.28	2.28	—	—
500 Kilovolts	2,477.20	2,493.06	—	—
Public Utilities in SPP				
Alternating Current				
138 Kilovolts	440.93	450.24	—	—
161 Kilovolts	1,611.74	1,726.72	—	—
230 Kilovolts	18.27	18.27	—	—
345 Kilovolts	281.00	338.19	—	—
Public Utilities in WSCC				
Alternating Current				
138 Kilovolts	499.16	864.01	35.41	65.43
161 Kilovolts	1,232.66	1,251.66	—	—
230 Kilovolts	14,987.47	18,099.04	50.17	60.29
287 Kilovolts	570.50	570.50	—	—
345 Kilovolts	2,147.37	2,241.63	—	—
500 Kilovolts	5,885.77	6,425.67	—	—
525 Kilovolts	996.40	996.40	—	—
Direct Current				
500 Kilovolts	487.82	975.64	—	—
1000 Kilovolts	529.15	529.15	—	—

See notes and footnotes at end of table.

**Table 39. Transmission Line Statistics of Public Utilities, by NERC Region, Fiscal Year 1994
(Continued)**

Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Contiguous U.S. Total				
Alternating Current				
138 Kilovolts	4,078.06	4,781.63	44.06	74.08
144 Kilovolts	16.40	16.40	—	—
161 Kilovolts	13,565.60	13,782.65	—	—
230 Kilovolts	17,609.92	20,795.45	61.51	71.63
287 Kilovolts	570.50	570.50	—	—
345 Kilovolts	5,525.37	5,955.52	34.60	42.60
500 Kilovolts	8,362.97	8,918.73	—	—
525 Kilovolts	996.40	996.40	—	—
765 Kilovolts	154.89	154.89	—	—
Direct Current				
500 Kilovolts	487.82	975.64	—	—
1000 Kilovolts	529.15	529.15	—	—

Notes: •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska System Coordinating Council is not included. See glossary for a list of regions and Figure 2 for a map of the regions. •Totals may not equal sum of components because of independent rounding. •Voluntary filings of distribution line and transmission line data below 138 kilovolts are not included in this table.

Sources: •Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities."

Table 40. Transmission Line Statistics of Public Utilities, Fiscal Year 1994

Public Authority / Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Federal				
Alaska Power Administration				
Alternating Current				
138 Kilovolts.....	40.50	40.50	3.00	3.00
Bonneville Power Admin				
Alternating Current				
138 Kilovolts.....	92.30	92.30	—	—
161 Kilovolts.....	46.50	46.50	—	—
230 Kilovolts.....	4,725.64	4,826.14	—	—
287 Kilovolts.....	227.40	227.40	—	—
345 Kilovolts.....	343.60	423.60	—	—
500 Kilovolts.....	4,328.50	4,545.90	—	—
Direct Current				
1000 Kilovolts.....	264.40	264.40	—	—
Southwestern Power Admin				
Alternating Current				
138 Kilovolts.....	164.12	164.12	—	—
161 Kilovolts.....	1,120.31	1,179.71	—	—
Tennessee Valley Authority				
Alternating Current				
161 Kilovolts.....	10,102.69	10,184.42	—	—
230 Kilovolts.....	30.07	30.07	—	—
345 Kilovolts.....	2.28	2.28	—	—
500 Kilovolts.....	2,402.14	2,418.00	—	—
Western Area Power Admin				
Alternating Current				
138 Kilovolts.....	327.42	654.84	—	—
161 Kilovolts.....	869.26	869.26	—	—
230 Kilovolts.....	7,086.23	9,120.97	—	—
345 Kilovolts.....	1,598.80	1,613.06	—	—
500 Kilovolts.....	450.34	450.34	—	—
State and Other Government				
Alaska Energy Authority				
Alternating Current				
138 Kilovolts.....	296.00	296.00	—	—
California Dept of Water Res				
Alternating Current				
230 Kilovolts.....	97.31	185.47	1.20	2.40
Grand River Dam Authority				
Alternating Current				
138 Kilovolts.....	61.71	61.71	—	—
161 Kilovolts.....	288.71	333.74	—	—
345 Kilovolts.....	133.60	133.60	—	—
Heartland Consumers Power Dist				
Alternating Current				
230 Kilovolts.....	4.00	4.00	—	—
345 Kilovolts.....	16.24	16.24	—	—
Imperial Irrigation District				
Alternating Current				
161 Kilovolts.....	302.10	321.10	—	—
230 Kilovolts.....	144.70	144.70	—	—
500 Kilovolts.....	161.20	322.40	—	—
Lower Colorado River Authority				
Alternating Current				
138 Kilovolts.....	1,289.22	1,497.34	—	—
345 Kilovolts.....	204.48	294.63	—	—
Michigan South Central Pwr Agy				
Alternating Current				
138 Kilovolts.....	2.74	5.48	—	—
345 Kilovolts.....	40.00	40.00	—	—
Modesto Irrigation District				
Alternating Current				
230 Kilovolts.....	65.64	65.64	—	—

See notes and footnotes at end of table.

Table 40. Transmission Line Statistics of Public Utilities, Fiscal Year 1994 (Continued)

Public Authority / Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
State and Other Government				
Nebraska Public Power District				
Alternating Current				
161 Kilovolts.....	0.26	0.26	—	—
230 Kilovolts.....	677.10	677.10	—	—
345 Kilovolts.....	796.41	796.41	—	—
Northern California Power Agny				
Alternating Current				
230 Kilovolts.....	41.20	82.40	—	—
Oklahoma Municipal Power Auth				
Alternating Current				
138 Kilovolts.....	11.60	11.60	—	—
Omaha Public Power District				
Alternating Current				
161 Kilovolts.....	360.77	360.77	—	—
345 Kilovolts.....	324.61	324.61	—	—
Platte River Power Authority				
Alternating Current				
230 Kilovolts.....	163.30	163.30	—	—
345 Kilovolts.....	75.72	75.72	—	—
Power Authority of State of NY				
Alternating Current				
230 Kilovolts.....	337.90	337.90	—	—
345 Kilovolts.....	708.30	883.10	34.60	42.60
765 Kilovolts.....	154.89	154.89	—	—
PUD No 1 of Chelan County				
Alternating Current				
230 Kilovolts.....	23.23	23.23	—	—
PUD No 1 of Cowlitz County				
Alternating Current				
230 Kilovolts.....	3.83	3.83	—	—
PUD No 1 of Douglas County				
Alternating Current				
230 Kilovolts.....	82.00	82.00	—	—
PUD No 1 of Lewis County				
Alternating Current				
230 Kilovolts.....	19.40	19.40	—	—
PUD No 2 of Grant County				
Alternating Current				
230 Kilovolts.....	96.31	96.31	—	—
Sacramento Municipal Util Dist				
Alternating Current				
230 Kilovolts.....	377.16	746.05	6.10	6.10
500 Kilovolts.....	339.00	339.00	—	—
Salt River Proj Ag Imp&Pwr				
Alternating Current				
230 Kilovolts.....	509.40	669.20	—	—
525 Kilovolts.....	996.40	996.40	—	—
South Carolina Pub Serv Auth				
Alternating Current				
230 Kilovolts.....	933.90	933.90	—	—
Southern Minnesota Mun P Agny				
Alternating Current				
161 Kilovolts.....	122.69	122.69	—	—
230 Kilovolts.....	17.30	17.30	—	—
Texas Municipal Power Agency				
Alternating Current				
138 Kilovolts.....	151.02	160.33	—	—
345 Kilovolts.....	102.40	159.59	—	—
Tohono O 'Odham Utility Auth				
Alternating Current				
230 Kilovolts.....	10.00	10.00	—	—

See notes and footnotes at end of table.

Table 40. Transmission Line Statistics of Public Utilities, Fiscal Year 1994 (Continued)

Public Authority / Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
State and Other Government				
Utah Associated Mun Power Sys				
Alternating Current				
138 Kilovolts.....	21.00	21.00	—	—
345 Kilovolts.....	18.00	18.00	—	—
Utah Municipal Power Agency				
Alternating Current				
138 Kilovolts.....	4.90	4.90	—	—
345 Kilovolts.....	10.69	10.69	—	—
Washington Pub Pwr Supply Sys				
Alternating Current				
500 Kilovolts.....	23.85	23.85	—	—
Municipal				
Alexandria City of				
Alternating Current				
138 Kilovolts.....	16.21	16.21	—	—
Austin City of				
Alternating Current				
138 Kilovolts.....	241.24	241.24	—	—
161 Kilovolts.....	4.73	4.73	—	—
345 Kilovolts.....	179.85	179.85	—	—
Badger Power Marketing Auth				
Alternating Current				
138 Kilovolts.....	2.50	2.50	—	—
Bryan City of				
Alternating Current				
138 Kilovolts.....	34.67	34.67	—	—
Cedar Falls Mun Electric Util				
Alternating Current				
161 Kilovolts.....	4.20	4.20	—	—
345 Kilovolts.....	142.45	156.20	—	—
Cleveland City of				
Alternating Current				
138 Kilovolts.....	35.16	35.16	6.15	6.15
Coldwater Board of Public Util				
Alternating Current				
138 Kilovolts.....	2.93	2.93	—	—
College Station City of				
Alternating Current				
138 Kilovolts.....	11.60	11.60	—	—
Colorado Springs City of				
Alternating Current				
230 Kilovolts.....	27.38	35.88	—	—
Columbia City of Water & Light				
Alternating Current				
161 Kilovolts.....	24.49	24.49	—	—
Crawfordsville Elec Lgt&Pwr Co				
Alternating Current				
138 Kilovolts.....	12.50	12.50	—	—
Dalton City of				
Alternating Current				
230 Kilovolts.....	60.08	60.08	—	—
Danville City of Electric Div				
Alternating Current				
138 Kilovolts.....	1.36	2.71	—	—
Dover City of				
Alternating Current				
138 Kilovolts.....	1.50	1.50	—	—
Floresville Elec Lgt & Pwr Sys				
Alternating Current				
138 Kilovolts.....	12.00	12.00	—	—

See notes and footnotes at end of table.

Table 40. Transmission Line Statistics of Public Utilities, Fiscal Year 1994 (Continued)

Public Authority / Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Municipal				
Fort Pierce Utilities Auth				
Alternating Current				
138 Kilovolts.....	7.00	7.00	—	—
Gainesville City of				
Alternating Current				
138 Kilovolts.....	129.31	210.18	—	—
230 Kilovolts.....	2.51	2.51	—	—
Glendale City of				
Direct Current				
1000 Kilovolts.....	32.54	32.54	—	—
Hamilton Dept of Public Utils				
Alternating Current				
138 Kilovolts.....	23.25	23.25	—	—
Henderson City Utility Commiss				
Alternating Current				
161 Kilovolts.....	13.00	13.00	—	—
Homestead City of				
Alternating Current				
138 Kilovolts.....	3.50	3.50	—	—
Hutchinson Utilities Comm				
Alternating Current				
230 Kilovolts.....	38.30	38.30	—	—
Idaho Falls City of				
Alternating Current				
161 Kilovolts.....	14.80	14.80	—	—
Independence City of				
Alternating Current				
161 Kilovolts.....	22.60	22.60	—	—
Intermountain Power Agency				
Alternating Current				
230 Kilovolts.....	141.41	141.41	—	—
345 Kilovolts.....	100.56	100.56	—	—
Direct Current				
500 Kilovolts.....	487.82	975.64	—	—
Jacksonville Beach City of				
Alternating Current				
138 Kilovolts.....	52.00	52.00	—	—
Jacksonville Electric Auth				
Alternating Current				
138 Kilovolts.....	205.94	217.17	2.50	2.50
230 Kilovolts.....	197.45	237.49	3.65	3.65
500 Kilovolts.....	75.06	75.06	—	—
Jonesboro City Water & Light				
Alternating Current				
161 Kilovolts.....	33.90	33.90	—	—
Kansas City City of				
Alternating Current				
161 Kilovolts.....	55.61	62.16	—	—
Key West Utility Board of				
Alternating Current				
138 Kilovolts.....	139.38	139.38	—	—
Kissimmee Utility Authority				
Alternating Current				
230 Kilovolts.....	67.67	67.67	—	—
Lafayette City of				
Alternating Current				
230 Kilovolts.....	14.00	14.00	—	—
Lake Worth City of				
Alternating Current				
138 Kilovolts.....	5.30	5.30	—	—
Lakeland City of				
Alternating Current				
230 Kilovolts.....	17.66	17.66	—	—

See notes and footnotes at end of table.

Table 40. Transmission Line Statistics of Public Utilities, Fiscal Year 1994 (Continued)

Public Authority / Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Municipal				
Lansing Board of Water & Light				
Alternating Current				
138 Kilovolts.....	45.95	46.69	—	—
Lincoln Electric System				
Alternating Current				
161 Kilovolts.....	11.80	11.80	—	—
345 Kilovolts.....	49.70	49.70	—	—
Logansport Municipal Utilities				
Alternating Current				
230 Kilovolts.....	7.00	7.00	—	—
Los Angeles Dept of Wtr & Pwr				
Alternating Current				
138 Kilovolts.....	51.36	87.01	35.41	65.43
230 Kilovolts.....	633.53	678.31	33.20	42.12
287 Kilovolts.....	343.10	343.10	—	—
500 Kilovolts.....	582.88	744.18	—	—
Direct Current				
1000 Kilovolts.....	232.21	232.21	—	—
Louisville Electric System				
Alternating Current				
161 Kilovolts.....	2.20	2.20	—	—
Lubbock City of				
Alternating Current				
230 Kilovolts.....	4.27	4.27	—	—
Marshall City of				
Alternating Current				
161 Kilovolts.....	17.00	17.00	—	—
Menasha Electric & Water Util				
Alternating Current				
138 Kilovolts.....	15.07	15.07	—	—
Metropolitan Water District				
Alternating Current				
230 Kilovolts.....	305.60	305.60	—	—
Murray City Power Department				
Alternating Current				
138 Kilovolts.....	1.78	3.56	—	—
Muscatine Power and Water				
Alternating Current				
161 Kilovolts.....	45.33	46.67	—	—
Naperville City of				
Alternating Current				
138 Kilovolts.....	18.58	18.58	—	—
Natchitoches City of				
Alternating Current				
138 Kilovolts.....	.50	.50	—	—
New Braunfels Utilities				
Alternating Current				
138 Kilovolts.....	34.42	37.82	—	—
Ocala City of				
Alternating Current				
230 Kilovolts.....	12.95	12.95	—	—
Orlando Utilities Commission				
Alternating Current				
230 Kilovolts.....	117.16	151.08	7.69	7.69
Orrville City of				
Alternating Current				
138 Kilovolts.....	8.80	8.80	—	—
Owensboro Municipal Utilities				
Alternating Current				
144 Kilovolts.....	16.40	16.40	—	—
Provo City Corporation				
Alternating Current				
138 Kilovolts.....	.40	.40	—	—

See notes and footnotes at end of table.

Table 40. Transmission Line Statistics of Public Utilities, Fiscal Year 1994 (Continued)

Public Authority / Utility / Voltage of Transmission Line	Overhead		Underground Submarine	
	Structural Miles	Circuit Miles	Structural Miles	Circuit Miles
Municipal				
Rochelle Municipal Utilities				
Alternating Current				
138 Kilovolts.....	6.50	6.50	—	—
Rochester Public Utilities				
Alternating Current				
161 Kilovolts.....	29.04	29.04	—	—
San Antonio City Pub Svc Bd				
Alternating Current				
138 Kilovolts.....	763.55	763.55	—	—
345 Kilovolts.....	544.68	544.68	—	—
San Francisco City & County of				
Alternating Current				
230 Kilovolts.....	50.70	101.40	—	—
Seattle City Light				
Alternating Current				
230 Kilovolts.....	305.23	482.13	9.67	9.67
Seguin City of				
Alternating Current				
138 Kilovolts.....	1.97	1.97	—	—
Sikeston Board of Mun Utils				
Alternating Current				
161 Kilovolts.....	28.00	28.00	—	—
Springfield City of				
Alternating Current				
161 Kilovolts.....	45.61	49.61	—	—
345 Kilovolts.....	45.00	45.00	—	—
Springfield Water Light&Power				
Alternating Current				
138 Kilovolts.....	59.66	80.62	—	—
Tacoma Dept of Public Utils				
Alternating Current				
230 Kilovolts.....	31.00	43.10	—	—
Tallahassee City of				
Alternating Current				
230 Kilovolts.....	39.10	39.10	—	—
Turlock Irrigation District				
Alternating Current				
230 Kilovolts.....	25.30	50.60	—	—
Vero Beach				
Alternating Current				
138 Kilovolts.....	6.14	6.14	—	—
Washington City of				
Alternating Current				
230 Kilovolts.....	7.50	7.50	—	—
Western Minnesota Mun Pwr Agny				
Alternating Current				
230 Kilovolts.....	45.00	45.00	—	—
345 Kilovolts.....	88.00	88.00	—	—
Willmar Municipal Utils Comm				
Alternating Current				
230 Kilovolts.....	13.50	13.50	—	—

Notes: •Totals may not equal sum of components because of independent rounding. •Voluntary filings of distribution line and transmission line data below 138 kilovolts are not included in this table.

Sources: •Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities."

Table 41. Transmission Lines Added by Investor-Owned Utilities, by NERC Region, 1994

Voltage of Transmission Line	Line Length (miles)	Line Cost (dollars)			
		Land	Structure	Conductors	Total
Investor-Owned Utilities in ECAR					
138 kV AC	10.42	1,830,776	2,414,722	1,562,869	5,808,367
230 kV AC	15.61	12,720,069	2,537,023	1,446,666	16,703,758
Investor-Owned Utilities in ERCOT					
138 kV AC	39.35	—	1,141,973	—	1,141,973
345 kV AC	123.51	3,732,861	38,290,596	—	42,023,457
Investor-Owned Utilities in MAAC					
138 kV AC	—	—	801,255	2,979,843	3,781,098
230 kV AC	3.70	860,842	7,479,614	3,734,250	11,720,046
345 kV AC	—	—	—	32,107	32,107
500 kV AC	46.11	17,253,046	47,548,838	22,914,579	87,716,463
Investor-Owned Utilities in MAIN					
138 kV AC	58.94	2,107,680	9,737,531	8,914,776	20,759,987
345 kV AC	41.59	2,513,745	6,667,416	4,627,434	13,808,595
Investor-Owned Utilities in SERC					
138 kV AC	20.16	449,651	4,912,634	2,262,256	7,624,541
230 kV AC	93.81	3,139,185	14,488,976	12,323,296	29,951,457
345 kV AC .....	.80	18,885	55,000	55,000	128,885
500 kV AC	65.29	3,716,086	17,026,294	12,216,155	32,958,535
Investor-Owned Utilities in SPP					
138 kV AC	4.21	10,871	2,273,400	751,250	3,013,779
345 kV AC	—	250	748,159	99,683	848,092
Investor-Owned Utilities in WSCC					
138 kV AC	11.68	32,175	3,313,352	709,138	4,054,666
230 kV AC	14.45	23,005	3,976	737,051	764,032
Contiguous U.S. Total					
138 kV AC	144.76	4,431,153	24,594,867	17,180,132	46,184,411
230 kV AC	127.57	16,743,101	24,509,589	18,241,263	59,139,293
345 kV AC	165.90	6,265,741	45,761,171	4,814,224	56,841,136
500 kV AC	111.40	20,969,132	64,575,132	35,130,734	120,674,998

—Not Applicable

Notes: •The States of Alaska and Hawaii are not included. •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding. •Voluntary filings of distribution line and transmission line data below 138 kilovolts are not included in this table.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report for Nonmajor Public Utilities and Licensees."

Table 42. Transmission Lines Added by Investor-Owned Utilities, 1994

Utility / Voltage of Line	Line Length (miles)	Line Cost (dollars)			
		Land	Structure	Conductors	Total
Alabama Power Company					
230 kV AC	0.66	—	54,807	48,726	103,533
Appalachian Power Company					
138 kV AC	2.86	159,853	620,253	751,694	1,531,800
Baltimore Gas & Electric Co					
500 kV AC	26.31	1,468,447	20,870,968	12,874,911	35,214,326
Carolina Power & Light Company					
230 kV AC	1.48	32,398	207,208	287,151	526,757
Central Illinois Pub Serv Co					
138 kV AC	44.74	988,554	5,391,252	5,839,408	12,219,214
345 kV AC	33.10	2,513,745	6,119,947	4,079,965	12,713,657
Central Power & Light Company					
138 kV AC	1.20	—	1,141,973	—	1,141,973
345 kV AC	116.21	3,732,861	38,290,596	—	42,023,457
Cincinnati Gas & Electric Co					
138 kV AC .....	.93	3,141	107,091	133,780	244,012
Commonwealth Edison Company					
138 kV AC	13.05	1,119,126	4,238,770	3,075,368	8,433,264
Duke Power Company					
230 kV AC	1.18	—	872	271	1,143
Florida Power & Light Company					
138 kV AC	20.16	449,651	4,912,634	2,262,256	7,624,541
230 kV AC	11.93	194,720	1,008,498	2,466,596	3,669,814
500 kV AC	65.29	3,716,086	17,026,294	12,216,155	32,958,535
Florida Power Corporation					
230 kV AC	19.33	615,901	3,006,406	3,006,406	6,628,713
Georgia Power Company					
230 kV AC	8.63	33,562	1,223,596	—	1,257,158
Houston Lighting & Power Co					
138 kV AC	6.45	—	—	—	—
345 kV AC	7.30	—	—	—	—
Illinois Power Company					
345 kV AC	8.49	—	547,469	547,469	1,094,938
Indianapolis Power & Light Co					
138 kV AC	6.63	—	—	—	—
Kansas Gas & Electric Company					
138 kV AC .....	.30	—	367,041	323,264	690,305
Lockhart Power Company					
345 kV AC .....	.80	18,885	55,000	55,000	128,885
Nevada Power Company					
138 kV AC .....	.90	—	414,011	116,674	530,685
Ohio Edison Company					
138 kV AC	—	1,667,782	1,687,378	677,395	4,032,555
Oklahoma Gas & Electric Co					
138 kV AC	3.91	10,871	1,906,359	427,986	2,323,474
345 kV AC	—	250	748,159	99,683	848,092
PacifiCorp					
138 kV AC	7.08	32,175	2,027,764	398,008	2,457,948
Potomac Edison Company					
230 kV AC	15.61	12,720,069	2,537,023	1,446,666	16,703,758
Potomac Electric Power Company					
500 kV AC	19.80	15,784,599	26,394,032	10,029,840	52,208,471
Public Service Elec & Gas Co					
138 kV AC	—	—	801,255	2,979,843	3,781,098
230 kV AC	3.70	860,842	7,479,614	3,734,250	11,720,046
345 kV AC	—	—	—	32,107	32,107
500 kV AC	—	—	283,838	9,828	293,666
San Diego Gas & Electric Co					
230 kV AC	6.80	22,569	2,191	736,409	761,169
South Carolina Elec & Gas Co					
230 kV AC	22.50	1,206,281	3,464,402	5,042,147	9,712,830
Tampa Electric Company					
230 kV AC	12.19	—	—	—	—
Texas Utilities Electric Co					
138 kV AC	31.70	—	—	—	—
Tucson Electric Power Company					
138 kV AC	3.70	—	871,577	194,456	1,066,033
Virginia Electric and Power Co					
230 kV AC	15.91	1,056,323	5,523,187	1,471,999	8,051,509

See notes and footnotes at end of table.

Table 42. Transmission Lines Added by Investor-Owned Utilities, 1994 (Continued)

Utility / Voltage of Line	Line Length (miles)	Line Cost (dollars)			
		Land	Structure	Conductors	Total
Washington Water Power Company					
230 kV AC	7.65	436	1,785	642	2,863
Wisconsin Power & Light Co					
138 kV AC .....	.80	—	107,509	—	107,509
Wisconsin Public Service Corp					
138 kV AC .....	.35	—	—	—	—

—Not Applicable

Notes: •Totals may not equal sum of components because of independent rounding. •Voluntary filings of distribution line and transmission line data below 138 kilovolts are not included in this table.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report for Nonmajor Public Utilities and Licensees."

**Table 43. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities,
by NERC Region, 1994
(Count and Megavoltampere)**

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Investor-Owned Utilities in ECAR							
Watthour Meter Count	15,163,412	484,580	400,045	15,247,947	593,017	13,915,270	739,660
Line Transformer Count.....	4,124,662	166,874	73,569	4,217,967	149,430	3,753,964	314,573
Line Transformer Capacity (MVA)	405,962	17,182	3,960	419,184	46,096	359,264	13,846
Investor-Owned Utilities in ERCOT							
Watthour Meter Count	5,010,698	118,083	60,952	5,067,829	176,637	2,606,897	2,284,295
Line Transformer Count.....	1,514,663	42,898	29,175	1,528,386	45,602	413,979	1,068,805
Line Transformer Capacity (MVA)	78,859	2,618	1,425	80,052	4,189	14,292	61,571
Investor-Owned Utilities in MAAC							
Watthour Meter Count	9,869,975	333,629	224,476	9,979,128	603,734	9,372,785	2,609
Line Transformer Count.....	1,934,796	55,065	26,460	1,963,401	68,814	1,711,947	182,640
Line Transformer Capacity (MVA)	104,126	3,017	1,354	105,790	6,516	87,731	11,574
Investor-Owned Utilities in MAIN							
Watthour Meter Count	8,143,454	296,344	187,333	8,252,465	194,877	8,055,537	2,051
Line Transformer Count.....	1,713,597	53,667	31,408	1,735,856	96,015	1,637,679	2,162
Line Transformer Capacity (MVA)	194,612	7,503	2,259	199,856	8,786	190,919	151
Investor-Owned Utilities in MAPP							
Watthour Meter Count	3,318,135	115,354	101,427	3,332,062	171,939	3,157,347	2,776
Line Transformer Count.....	759,169	24,288	12,276	771,181	31,312	596,993	142,876
Line Transformer Capacity (MVA)	121,266	4,970	1,781	124,455	12,306	105,841	6,308
Investor-Owned Utilities in NPCC							
Watthour Meter Count	13,855,520	475,186	373,026	13,957,680	865,583	10,848,227	2,243,870
Line Transformer Count.....	2,386,736	111,444	31,162	2,467,018	205,158	1,077,687	1,184,173
Line Transformer Capacity (MVA)	348,839	16,169	3,972	361,036	42,022	273,955	45,093
Investor-Owned Utilities in SERC							
Watthour Meter Count	14,582,397	558,809	335,648	14,805,558	855,831	13,943,895	5,832
Line Transformer Count.....	4,204,833	157,152	96,576	4,265,409	101,252	3,858,844	305,313
Line Transformer Capacity (MVA)	198,649	8,683	4,334	202,998	11,702	177,354	13,942
Investor-Owned Utilities in SPP							
Watthour Meter Count	6,411,712	196,224	128,211	6,479,725	271,335	6,123,403	84,987
Line Transformer Count.....	2,241,977	74,067	36,770	2,279,274	74,732	2,193,097	11,445
Line Transformer Capacity (MVA)	94,498	3,620	1,378	96,740	6,329	89,781	695
Investor-Owned Utilities in WSCC							
Watthour Meter Count	17,617,812	626,715	340,889	17,903,638	774,641	17,125,164	3,833
Line Transformer Count.....	3,702,162	124,036	78,077	3,748,121	176,059	3,340,319	231,743
Line Transformer Capacity (MVA)	138,826	6,881	2,561	143,146	9,304	121,268	12,574
Contiguous U.S. Total							
Watthour Meter Count	93,973,115	3,204,924	2,152,007	95,026,032	4,507,594	85,148,525	5,369,913
Line Transformer Count.....	22,582,595	809,491	415,473	22,976,613	948,374	18,584,509	3,443,730
Line Transformer Capacity (MVA)	1,685,637	70,643	23,024	1,733,257	147,250	1,420,405	165,754

¹ In stock, locked meters on customer's premises and inactive transformers on system.

Notes: •NERC is the North American Electric Reliability Council. The Alaska Systems Coordinating Council is not included. See glossary for a list of regions. •Totals may not equal sum of components because of independent rounding. •MVA means megavoltampere.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Alabama Power Company							
Watthour Meter Count	1,240,450	71,015	37,797	1,273,668	78,787	1,194,397	484
Line Transformer Count	552,522	28,399	16,255	564,666	10,557	554,109	—
Line Transformer Capacity (MVA)	17,978	1,008	483	18,503	805	17,698	—
Appalachian Power Company							
Watthour Meter Count	897,998	21,200	22,659	896,539	50,998	845,205	336
Line Transformer Count	345,193	17,664	9,661	353,196	12,361	340,714	121
Line Transformer Capacity (MVA)	11,120	734	255	11,599	921	10,660	18
Arizona Public Service Company							
Watthour Meter Count	765,996	54,217	32,920	787,293	73,380	713,711	202
Line Transformer Count	193,944	6,880	1,680	199,144	16,075	183,069	—
Line Transformer Capacity (MVA)	12,019	372	83	12,308	1,185	11,123	—
Arkansas Power & Light Company							
Watthour Meter Count	668,563	22,048	12,949	677,662	46,488	627,749	3,425
Line Transformer Count	292,239	10,870	4,781	298,328	14,000	283,299	1,029
Line Transformer Capacity (MVA)	10,427	439	136	10,730	962	9,678	90
Atlantic City Electric Company							
Watthour Meter Count	481,081	20,455	8,376	493,160	16,409	476,614	137
Line Transformer Count	129,707	2,880	1,526	131,061	4,978	126,063	20
Line Transformer Capacity (MVA)	4,916	127	63	4,980	408	4,570	2
Baltimore Gas & Electric Co							
Watthour Meter Count	1,143,150	67,643	32,497	1,178,296	58,656	1,118,124	1,516
Line Transformer Count	182,903	5,642	2,750	185,795	3,786	—	182,009
Line Transformer Capacity (MVA)	11,803	377	183	11,997	473	—	11,524
Bangor Hydro-Electric Company							
Watthour Meter Count	108,556	2,656	1,508	109,704	—	109,617	87
Line Transformer Count	38,729	1,400	447	39,682	—	39,682	—
Line Transformer Capacity (MVA)	901	33	7	927	—	927	—
Black Hills Corporation							
Watthour Meter Count	58,636	1,501	501	59,636	2,308	57,028	300
Line Transformer Count	17,865	796	493	18,168	1,333	16,835	—
Line Transformer Capacity (MVA)	723	132	14	841	142	699	—
Blackstone Valley Electric Co							
Watthour Meter Count	90,980	3,958	3,663	91,275	4,267	86,993	15
Line Transformer Count	12,499	204	393	12,310	1,072	11,222	16
Line Transformer Capacity (MVA)	737	13	25	725	146	578	1
Boston Edison Company							
Watthour Meter Count	754,227	45,376	19,717	779,886	87,041	690,799	2,046
Line Transformer Count	59,131	1,811	264	60,678	6,477	—	54,201
Line Transformer Capacity (MVA)	4,834	132	28	4,938	627	11	4,333
Cambridge Electric Light Co							
Watthour Meter Count	45,944	641	473	46,112	1,079	45,004	29
Line Transformer Count	2,344	27	54	2,317	461	1,850	6
Line Transformer Capacity (MVA)	165	3	2	166	34	131	1
Carolina Power & Light Company							
Watthour Meter Count	1,063,763	76,666	9,938	1,130,491	91,896	1,038,063	532
Line Transformer Count	383,314	11,475	3,315	391,474	8,814	382,660	—
Line Transformer Capacity (MVA)	15,265	602	123	15,744	682	15,062	—
Central Hudson Gas & Elec Corp							
Watthour Meter Count	274,432	8,333	6,449	276,316	21,115	255,201	—
Line Transformer Count	84,617	2,298	1,739	85,176	3,306	—	81,870
Line Transformer Capacity (MVA)	2,380	92	52	2,420	157	—	2,263
Central Illinois Light Company							
Watthour Meter Count	203,272	5,710	5,733	203,249	6,752	196,497	—
Line Transformer Count	63,157	2,105	1,290	63,972	2,485	61,487	—
Line Transformer Capacity (MVA)	2,941	146	76	3,011	184	2,827	—

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Central Illinois Pub Serv Co							
Watthour Meter Count	341,279	10,116	10,732	340,663	16,671	323,644	348
Line Transformer Count	108,716	2,257	2,643	108,330	3,387	104,855	88
Line Transformer Capacity (MVA)	4,324	86	120	4,290	335	3,950	5
Central Louisiana Electric Co							
Watthour Meter Count	240,254	7,502	2,577	245,179	6,224	238,955	—
Line Transformer Count	108,146	4,792	3,353	109,585	3,948	105,637	—
Line Transformer Capacity (MVA)	3,277	175	135	3,317	250	3,067	—
Central Maine Power Company							
Watthour Meter Count	541,375	17,121	13,319	545,177	23,057	—	522,120
Line Transformer Count	201,919	5,374	2,349	204,944	3,000	—	201,944
Line Transformer Capacity (MVA)	4,620	130	105	4,645	277	—	4,368
Central Power & Light Company							
Watthour Meter Count	638,988	9,335	28,657	619,666	30,352	588,669	645
Line Transformer Count	221,509	11,141	3,374	229,276	11,395	217,519	362
Line Transformer Capacity (MVA)	8,295	575	104	8,766	769	7,959	38
Central Vermont Pub Serv Corp							
Watthour Meter Count	183,115	7,991	6,468	184,638	19,530	164,966	142
Line Transformer Count	66,040	1,965	1,414	66,591	1,517	64,912	162
Line Transformer Capacity (MVA)	1,224	36	25	1,235	44	1,188	3
Cincinnati Gas & Electric Co							
Watthour Meter Count	675,220	23,667	17,499	681,388	56,850	624,538	—
Line Transformer Count	154,910	9,528	4,767	159,671	18,879	140,792	—
Line Transformer Capacity (MVA)	9,813	520	237	10,096	1,700	8,396	—
Citizens Utilities Company							
Watthour Meter Count	106,366	5,732	1,633	110,465	32,811	65,311	12,343
Line Transformer Count	41,411	1,681	418	42,674	11,491	25,408	5,775
Line Transformer Capacity (MVA)	1,225	65	8	1,282	470	651	161
Cleveland Elec Illuminating Co							
Watthour Meter Count	835,495	11,506	2,081	844,920	4,189	840,731	—
Line Transformer Count	141,558	2,147	—	143,705	2,475	141,230	—
Line Transformer Capacity (MVA)	7,822	208	—	8,030	390	7,640	—
Columbus Southern Power Co							
Watthour Meter Count	628,997	39,601	26,669	641,929	32,045	609,884	—
Line Transformer Count	147,141	7,244	2,856	151,529	6,122	145,033	374
Line Transformer Capacity (MVA)	6,585	318	88	6,815	468	6,328	19
Commonwealth Edison Company							
Watthour Meter Count	3,748,615	128,011	92,951	3,783,675	53,091	3,730,584	—
Line Transformer Count	527,887	13,644	3,383	538,148	7,216	530,932	—
Line Transformer Capacity (MVA)	35,022	913	174	35,761	1,239	34,522	—
Commonwealth Electric Company							
Watthour Meter Count	334,792	9,350	7,249	336,893	7,646	329,051	196
Line Transformer Count	58,208	1,349	653	58,904	5,529	53,301	74
Line Transformer Capacity (MVA)	2,246	79	21	2,304	318	1,982	4
Connecticut Light & Power Co							
Watthour Meter Count	1,120,459	95,737	72,402	1,143,794	52,413	1,091,269	112
Line Transformer Count	224,042	6,289	935	229,396	6,624	222,362	410
Line Transformer Capacity (MVA)	10,136	319	27	10,428	716	9,670	42
Consolidated Edison Co of NY							
Watthour Meter Count	3,199,615	74,251	64,893	3,208,973	211,532	2,996,938	503
Line Transformer Count	79,528	2,664	2,034	80,158	4,725	75,433	—
Line Transformer Capacity (MVA)	23,551	520	454	23,617	1,122	22,495	—
Consolidated Water Power Co							
Watthour Meter Count	1,227	214	9	1,432	305	—	1,127
Line Transformer Count	511	57	14	554	126	—	428
Line Transformer Capacity (MVA)	10	3	—	13	5	—	8

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Consumers Power Company							
Watthour Meter Count	1,571,136	48,251	34,911	1,584,476	38,373	1,545,407	696
Line Transformer Count	481,816	20,506	9,060	493,262	32,874	460,321	67
Dayton Power & Light Company							
Watthour Meter Count	506,317	12,933	28,332	490,918	21,856	468,970	92
Line Transformer Count	140,353	4,989	1,287	144,055	2,319	141,736	—
Line Transformer Capacity (MVa)	6,602	258	47	6,813	110	6,703	—
Delmarva Power & Light Co							
Watthour Meter Count	412,651	24,169	11,501	425,319	25,582	399,450	287
Line Transformer Count	104,306	3,046	1,325	106,027	6,564	99,222	241
Line Transformer Capacity (MVa)	4,857	142	47	4,952	446	4,503	3
Detroit Edison Company							
Watthour Meter Count	2,358,902	67,348	6,888	2,419,362	71,049	2,346,561	1,752
Line Transformer Count	365,791	26,735	5,819	386,707	6,438	377,920	2,349
Line Transformer Capacity (MVa)	20,834	1,757	209	22,382	741	21,547	94
Duke Power Company							
Watthour Meter Count	1,846,049	68,082	55,015	1,859,116	70,363	1,786,096	2,657
Line Transformer Count	604,517	22,088	7,524	619,081	17,883	600,822	376
Line Transformer Capacity (MVa)	34,420	1,121	261	35,280	1,379	33,882	19
Duquesne Light Company							
Watthour Meter Count	621,303	16,039	14,604	622,738	7,120	—	615,618
Line Transformer Count	100,481	1,865	903	101,443	2,210	—	99,233
Line Transformer Capacity (MVa)	5,143	120	48	5,215	81	—	5,134
Eastern Edison Company							
Watthour Meter Count	208,701	4,301	3,695	209,307	7,015	202,292	—
Line Transformer Count	31,391	1,201	566	32,026	2,437	29,589	—
Line Transformer Capacity (MVa)	1,596	70	32	1,634	196	1,438	—
Edison Sault Electric Company							
Watthour Meter Count	21,394	638	350	21,682	393	21,255	34
Line Transformer Count	8,104	287	36	8,355	715	7,609	31
Line Transformer Capacity (MVa)	259,370	9,887	1,678	267,579	36,637	230,054	888
El Paso Electric Company							
Watthour Meter Count	299,439	8,318	2,481	305,276	6,211	298,885	180
Line Transformer Count	64,454	1,975	17	66,412	1,476	64,806	130
Line Transformer Capacity (MVa)	2,655	99	—	2,754	121	2,632	1
Empire District Electric Co							
Watthour Meter Count	137,766	8,731	2,215	144,282	17,319	126,833	130
Line Transformer Count	65,457	3,262	690	68,029	3,574	64,455	—
Line Transformer Capacity (MVa)	2,128	199	17	2,310	132	2,200	11
Fitchburg Gas & Elec Light Co							
Watthour Meter Count	26,563	636	806	26,393	1,673	24,712	8
Line Transformer Count	5,633	121	88	5,666	319	—	5,347
Line Transformer Capacity (MVa)	164	7	4	167	20	—	147
Florida Power & Light Company							
Watthour Meter Count	3,616,847	146,058	106,636	3,656,269	209,868	3,446,038	363
Line Transformer Count	672,644	25,962	17,524	681,082	7,382	672,202	1,498
Line Transformer Capacity (MVa)	36,631	1,600	969	37,262	846	36,300	116
Florida Power Corporation							
Watthour Meter Count	1,363,274	34,657	29,411	1,368,520	83,470	1,284,590	460
Line Transformer Count	297,937	13,275	6,223	304,989	4,817	—	300,172
Line Transformer Capacity (MVa)	13,725	725	576	13,874	390	—	13,484
Georgia Power Company							
Watthour Meter Count	1,793,138	45,012	35,065	1,803,085	95,001	1,708,084	—
Line Transformer Count	582,759	18,106	6,853	594,012	25,897	568,115	—
Line Transformer Capacity (MVa)	28,664	1,494	365	29,793	2,627	27,166	—
Green Mountain Power Corp							
Watthour Meter Count	84,426	1,860	1,167	85,119	3,463	81,541	115
Line Transformer Count	30,152	636	98	30,690	1,209	29,370	111
Line Transformer Capacity (MVa)	967	39	4	1,002	65	935	2

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Gulf Power Company							
Watthour Meter Count	330,036	10,848	4,370	336,514	19,029	317,419	66
Line Transformer Count	114,614	5,421	15,956	104,079	3,749	100,241	89
Line Transformer Capacity (MVA)	4,102	195	568	3,729	176	3,542	11
Gulf States Utilities Company							
Watthour Meter Count	623,231	21,984	9,961	635,254	14,709	620,545	—
Line Transformer Count	289,630	12,840	3,106	299,364	3,113	294,526	1,725
Line Transformer Capacity (MVA)	13,026	619	144	13,501	515	12,939	47
Hawaiian Electric Company Inc							
Watthour Meter Count	271,912	7,029	3,274	275,667	5,973	268,933	761
Line Transformer Count	29,528	1,730	1,142	30,116	—	—	30,116
Line Transformer Capacity (MVA)	2,070	121	81	2,110	—	—	2,110
Holyoke Power & Electric Co							
Watthour Meter Count	3	—	—	3	—	—	3
Line Transformer Count	1	—	—	1	—	—	1
Holyoke Water Power Company							
Watthour Meter Count	382	40	154	268	31	190	47
Line Transformer Count	193	2	16	179	23	138	18
Line Transformer Capacity (MVA)	95	4	4	95	12	79	4
Houston Lighting & Power Co							
Watthour Meter Count	1,588,623	41,159	5,003	1,624,779	45,027	1,579,609	143
Line Transformer Count	393,253	12,785	11,100	394,938	8,052	—	386,886
Line Transformer Capacity (MVA)	27,008	767	720	27,055	784	—	26,271
Idaho Power Company							
Watthour Meter Count	326,449	19,943	5,710	340,682	5,354	335,178	150
Line Transformer Count	166,035	7,954	3,162	170,827	5,142	164,052	1,633
Line Transformer Capacity (MVA)	7,444	395	111	7,728	511	7,204	13
Illinois Power Company							
Watthour Meter Count	597,128	33,816	17,872	613,072	34,539	578,533	—
Line Transformer Count	191,636	6,585	4,196	194,025	4,189	188,980	856
Line Transformer Capacity (MVA)	8,047	327	46	8,328	382	7,904	42
Indiana Michigan Power Company							
Watthour Meter Count	565,404	21,593	13,840	573,157	36,222	536,476	459
Line Transformer Count	163,342	6,831	3,818	166,355	3,114	162,304	937
Line Transformer Capacity (MVA)	6,239	325	124	6,440	267	6,045	128
Indianapolis Power & Light Co							
Watthour Meter Count	435,249	13,094	18,155	430,188	11,881	418,232	75
Line Transformer Count	82,912	2,709	1,755	83,866	5,363	78,248	255
Line Transformer Capacity (MVA)	5,669	231	98	5,802	592	5,218	14
Interstate Power Company							
Watthour Meter Count	185,229	6,312	9,549	181,992	6,631	175,002	359
Line Transformer Count	48,149	1,044	462	48,731	2,094	46,637	—
Line Transformer Capacity (MVA)	1,815	53	13	1,855	106	1,749	—
Iowa-Illinois Gas & Elec Co							
Watthour Meter Count	204,682	6,894	3,062	208,514	12,007	196,507	—
Line Transformer Count	58,106	2,706	2,281	58,531	3,788	54,743	—
Line Transformer Capacity (MVA)	2,831	134	92	2,873	328	2,545	—
IES Utilities Inc							
Watthour Meter Count	351,106	5,148	4,956	351,298	11,322	339,057	919
Line Transformer Count	109,357	3,306	2,706	109,957	3,451	—	106,506
Line Transformer Capacity (MVA)	4,159	175	85	4,249	264	—	3,985
Jersey Central Pwr & Light Co							
Watthour Meter Count	990,264	36,923	24,262	1,002,925	55,153	947,529	243
Line Transformer Count	202,406	7,637	3,681	206,362	12,073	194,289	—
Line Transformer Capacity (MVA)	10,492	35	158	10,369	919	9,450	—
Kansas City Power & Light Co							
Watthour Meter Count	464,293	8,298	7,545	465,046	10,597	454,394	55
Line Transformer Count	100,430	2,493	2,843	100,080	1,281	98,799	—
Line Transformer Capacity (MVA)	5,758	138	124	5,772	276	5,517	11

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Kansas Gas & Electric Co							
Watthour Meter Count	275,806	6,728	3,461	279,073	8,801	270,272	—
Line Transformer Count	98,022	2,774	1,494	99,302	2,708	96,424	170
Line Transformer Capacity (MVA)	4,501	159	47	4,613	267	4,322	24
Kentucky Power Company							
Watthour Meter Count	170,456	6,284	4,219	172,521	8,431	164,037	53
Line Transformer Count	81,670	4,088	1,556	84,202	2,525	81,613	64
Line Transformer Capacity (MVA)	2,497	152	46	2,603	151	2,450	2
Kentucky Utilities Company							
Watthour Meter Count	500,492	14,304	12,579	502,217	41,175	460,254	788
Line Transformer Count	182,424	6,549	5	188,968	6,231	—	182,737
Line Transformer Capacity (MVA)	6,352	283	3	6,632	722	—	5,910
Kingsport Power Company							
Watthour Meter Count	42,137	714	182	42,669	1,704	40,949	16
Line Transformer Count	13,441	502	261	13,682	436	13,238	8
Line Transformer Capacity (MVA)	572	28	11	589	31	557	1
Lockhart Power Company							
Watthour Meter Count	5,793	96	56	5,833	204	5,594	35
Line Transformer Count	2,927	122	—	3,049	156	2,893	—
Line Transformer Capacity (MVA)	84	8	—	92	6	86	—
Long Island Lighting Company							
Watthour Meter Count	1,156,704	43,621	33,947	1,166,378	49,566	1,006,381	110,431
Line Transformer Count	183,095	4,594	2,625	185,064	29,737	—	155,327
Line Transformer Capacity (MVA)	10,066	301	163	10,205	2,308	—	7,897
Louisiana Power & Light Co							
Watthour Meter Count	657,685	16,183	17,175	656,693	36,285	620,378	30
Line Transformer Count	187,162	5,875	4,484	188,553	12,594	174,358	1,601
Line Transformer Capacity (MVA)	9,289	336	209	9,416	1,324	7,979	113
Louisville Gas & Electric Co							
Watthour Meter Count	361,871	1,186	9,019	354,038	20,282	333,642	114
Line Transformer Count	78,364	1,528	3,714	76,178	1,352	74,826	—
Line Transformer Capacity (MVA)	4,316	118	142	4,292	76	4,216	—
Madison Gas & Electric Co							
Watthour Meter Count	119,530	2,738	886	121,382	3,331	117,973	78
Line Transformer Count	18,957	346	191	19,112	1,082	17,968	62
Line Transformer Capacity (MVA)	1,210	44	7	1,247	117	1,129	1
Maine Public Service Company							
Watthour Meter Count	35,656	1,977	2,150	35,483	1,443	33,888	152
Line Transformer Count	11,716	367	201	11,882	509	11,373	—
Line Transformer Capacity (MVA)	232,860	8,231	2,381	238,710	26,901	211,809	—
Massachusetts Electric Company							
Watthour Meter Count	1,012,086	24,350	33,746	1,002,690	34,538	967,895	257
Line Transformer Count	147,090	1,931	2,023	146,998	10,204	133,871	2,923
Line Transformer Capacity (MVA)	7,489	130	78	7,541	934	6,409	198
Maui Electric Company Limited							
Watthour Meter Count	55,797	1,835	393	57,239	57,239	—	—
Line Transformer Count	9,551	612	237	9,926	9,926	—	—
Line Transformer Capacity (MVA)	497	40	9	528	528	—	—
Metropolitan Edison Company							
Watthour Meter Count	497,059	9,941	14,902	492,098	31,420	460,660	18
Line Transformer Count	150,697	5,571	1,668	154,600	3,801	150,799	—
Line Transformer Capacity (MVA)	5,980	235	101	6,115	378	5,758	11
Midwest Power Systems Inc							
Watthour Meter Count	450,730	20,787	9,752	461,765	17,787	443,978	—
Line Transformer Count	135,604	7,153	1,178	141,579	3,167	138,412	—
Line Transformer Capacity (MVA)	6,685	342	47	6,980	273	6,707	—

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Minnesota Power & Light Co							
Watthour Meter Count	124,637	3,453	2,566	125,524	6,981	118,543	—
Line Transformer Count	38,262	1,129	586	38,805	2,606	—	36,199
Line Transformer Capacity (MVA)	1,283	52	11	1,324	198	—	1,126
Mississippi Power & Light Co							
Watthour Meter Count	392,638	24,014	3,975	412,677	41,051	371,244	382
Line Transformer Count	155,105	5,678	4,320	156,463	9,154	147,067	242
Line Transformer Capacity (MVA)	5,677	314	132	5,859	653	5,193	13
Mississippi Power Company							
Watthour Meter Count	192,060	8,141	513	199,688	17,145	182,404	139
Line Transformer Count	74,176	2,051	1,064	75,163	2,996	72,167	—
Line Transformer Capacity (MVA)	2,877	153	47	2,983	2,983	—	—
Monongahela Power Company							
Watthour Meter Count	365,545	11,745	9,305	367,985	10,810	357,163	12
Line Transformer Count	171,075	6,472	3,184	174,363	2,841	171,522	—
Line Transformer Capacity (MVA)	2,985	158	44	3,099	109	2,990	—
Montana Power Company							
Watthour Meter Count	281,196	9,490	5,976	284,710	16,347	267,915	448
Line Transformer Count	110,048	4,998	1,831	113,215	6,811	106,052	352
Line Transformer Capacity (MVA)	3,610	208	64	3,754	433	3,296	25
Mt Carmel Public Utility Co							
Watthour Meter Count	6,671	320	253	6,738	364	6,352	22
Line Transformer Count	2,449	102	198	2,353	2,329	—	24
Line Transformer Capacity (MVA)	35	—	2	33	6	—	27
MDU Resources Group Inc							
Watthour Meter Count	120,121	397	—	120,518	4,734	115,665	119
Line Transformer Count	32,569	333	—	32,902	2,957	29,945	—
Line Transformer Capacity (MVA)	1,145	18	—	1,163	129	1,034	—
Nantahala Power & Light Co							
Watthour Meter Count	54,344	1,258	242	55,360	55,340	—	20
Line Transformer Count	35,195	1,474	242	36,427	921	35,468	38
Line Transformer Capacity (MVA)	759	39	3	795	43	751	1
Narragansett Electric Co							
Watthour Meter Count	340,772	10,046	10,392	340,426	9,750	330,656	20
Line Transformer Count	53,100	383	1,468	52,015	5,117	46,578	320
Line Transformer Capacity (MVA)	2,239	13	46	2,206	396	1,793	17
Nevada Power Company							
Watthour Meter Count	428,242	32,084	4,182	456,144	7,888	447,902	354
Line Transformer Count	59,218	4,547	745	63,020	3,415	59,364	241
Line Transformer Capacity (MVA)	5,526	535	59	6,002	436	5,558	8
New England Power Company							
Watthour Meter Count	1,168	16	7	1,177	427	396	354
Line Transformer Count	3	—	—	3	—	—	3
New Orleans Public Service Inc							
Watthour Meter Count	219,708	6,616	10,566	215,758	18,579	194,696	2,483
Line Transformer Count	34,919	130	148	34,901	—	34,720	181
Line Transformer Capacity (MVA)	3,203	22	3	3,222	—	3,143	79
New York State Elec & Gas Corp							
Watthour Meter Count	875,193	21,332	11,280	885,245	86,272	798,600	373
Line Transformer Count	284,496	5,735	3,788	286,443	5,789	—	280,654
Line Transformer Capacity (MVA)	9,241	140	78	9,303	837	—	8,466
Newport Electric Corporation							
Watthour Meter Count	39,146	1,093	1,178	39,061	1,877	37,166	18
Line Transformer Count	5,284	112	140	5,256	322	—	4,934
Line Transformer Capacity (MVA)	278	4	5	277	38	—	240
Niagara Mohawk Power Corp							
Watthour Meter Count	1,700,006	50,543	43,944	1,706,605	113,200	—	1,593,405
Line Transformer Count	412,919	61,466	4,736	469,649	79,852	—	389,797
Line Transformer Capacity (MVA)	16,315	5,309	178	21,446	4,514	—	16,932

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Northern Indiana Public Serv							
Watthour Meter Count	425,031	10,565	10,178	425,418	17,963	406,786	669
Line Transformer Count	108,364	2,875	1,042	110,197	4,163	105,306	728
Line Transformer Capacity (MVA)	4,575	143	40	4,678	405	4,129	144
Northern States Power Co (MN)							
Watthour Meter Count	1,413,722	56,756	58,113	1,412,365	85,404	1,326,577	384
Line Transformer Count	207,073	4,623	2,741	208,955	6,944	202,011	—
Line Transformer Capacity (MVA)	12,071	351	140	12,282	717	11,565	—
Northern States Power Co (WI)							
Watthour Meter Count	218,617	4,990	5,123	218,484	13,506	204,843	135
Line Transformer Count	67,172	2,102	1,612	67,662	2,107	65,555	—
Line Transformer Capacity (MVA)	2,354	86	44	2,396	159	2,237	—
Northwestern Public Service Co							
Watthour Meter Count	58,059	3,138	2,342	58,855	2,788	55,561	506
Line Transformer Count	14,696	511	191	15,016	1,589	13,331	96
Line Transformer Capacity (MVA)	860	41	6	895	153	736	6
Northwestern Wisconsin Elec Co							
Watthour Meter Count	11,394	363	175	11,582	533	11,002	47
Line Transformer Count	5,724	243	145	5,822	467	5,312	43
Line Transformer Capacity (MVA)	102	5	2	105	13	92	—
Ohio Edison Company							
Watthour Meter Count	968,652	41,810	42,018	968,444	28,280	940,039	125
Line Transformer Count	263,924	9,586	3,328	270,182	9,295	260,887	—
Line Transformer Capacity (MVA)	9,075	392	134	9,333	622	8,711	—
Ohio Power Company							
Watthour Meter Count	699,933	26,535	31,699	694,769	39,414	654,506	849
Line Transformer Count	233,606	9,580	6,029	237,157	5,880	230,423	854
Line Transformer Capacity (MVA)	7,662	403	202	7,863	438	7,394	31
Oklahoma Gas & Electric Co							
Watthour Meter Count	716,967	13,093	5,560	724,500	13,595	708,925	1,980
Line Transformer Count	198,593	5,995	2,558	202,030	8,314	193,716	—
Line Transformer Capacity (MVA)	9,733	298	143	9,888	693	9,195	—
Orange & Rockland Utils Inc							
Watthour Meter Count	207,706	2,038	2,753	206,991	13,016	193,813	162
Line Transformer Count	58,239	2,549	1,449	59,339	10,783	48,556	—
Line Transformer Capacity (MVA)	2,924	145	102	2,966	680	2,286	—
Otter Tail Power Company							
Watthour Meter Count	165,301	7,065	5,558	166,808	9,430	157,094	284
Line Transformer Count	40,417	1,038	309	41,146	1,987	39,159	—
Line Transformer Capacity (MVA)	1,724	58	8	1,774	132	1,642	—
Pacific Gas & Electric Company							
Watthour Meter Count	4,635,317	86,633	40,415	4,681,535	296,779	4,384,756	—
Line Transformer Count	930,416	15,154	11,644	933,926	48,646	880,571	4,709
Line Transformer Capacity (MVA)	36,341	1,439	485	37,295	701	36,499	95
PacifiCorp							
Watthour Meter Count	1,522,307	97,571	74,622	1,545,256	172,257	1,372,999	—
Line Transformer Count	470,407	35,445	32,882	472,970	46,851	426,119	—
Line Transformer Capacity (MVA)	19,264	1,821	1,110	19,975	3,097	16,878	—
Pennsylvania Electric Company							
Watthour Meter Count	592,913	25,644	17,455	601,102	21,609	579,493	—
Line Transformer Count	177,089	4,597	4,149	177,537	10,250	167,287	—
Line Transformer Capacity (MVA)	7,024	200	230	6,994	916	6,078	—
Pennsylvania Power & Light Co							
Watthour Meter Count	1,248,642	40,736	36,099	1,253,279	27,939	1,225,340	—
Line Transformer Count	389,863	11,206	4,969	396,100	4,672	391,428	—
Line Transformer Capacity (MVA)	14,419	577	136	14,860	275	14,585	—

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Pennsylvania Power Company							
Watthour Meter Count	163,513	5,886	5,833	163,566	6,504	157,034	28
Line Transformer Count	54,365	1,597	1,412	54,550	1,828	52,722	—
Line Transformer Capacity (MVA)	1,489	64	30	1,523	98	1,425	—
Portland General Electric Co							
Watthour Meter Count	656,338	42,806	37,421	661,723	14,359	647,245	119
Line Transformer Count	163,897	4,363	3,035	165,225	6,835	158,390	—
Line Transformer Capacity (MVA)	7,285	280	89	7,476	452	7,024	—
Potomac Edison Company							
Watthour Meter Count	373,152	26,396	13,972	385,576	16,080	369,463	33
Line Transformer Count	159,570	5,678	3,041	162,207	5,850	156,329	28
Line Transformer Capacity (MVA)	4,889	230	78	5,041	323	4,712	6
Potomac Electric Power Company							
Watthour Meter Count	710,178	21,022	11,231	719,969	99,359	620,610	—
Line Transformer Count	105,515	1,519	563	106,471	10,002	96,469	—
Line Transformer Capacity (MVA)	12,193	200	62	12,331	1,315	11,016	—
Public Service Co of Colorado							
Watthour Meter Count	1,007,277	68,140	23,085	1,052,332	44,963	1,007,369	—
Line Transformer Count	171,748	4,610	2,772	173,586	7,016	—	166,570
Line Transformer Capacity (MVA)	9,610	324	145	9,789	562	—	9,227
Public Service Co of NH							
Watthour Meter Count	505,567	10,203	7,304	508,466	26,596	481,578	292
Line Transformer Count	124,764	2,933	1,445	126,252	3,015	123,237	—
Line Transformer Capacity (MVA)	4,382	125	51	4,456	289	4,167	—
Public Service Co of NM							
Watthour Meter Count	340,217	840	6,407	334,650	3,301	331,283	66
Line Transformer Count	69,083	4,215	347	72,951	2,015	70,780	156
Line Transformer Capacity (MVA)	2,916	160	16	3,060	128	2,909	23
Public Service Co of Oklahoma							
Watthour Meter Count	493,717	6,723	17,732	482,708	—	482,708	—
Line Transformer Count	142,869	1,947	1,201	143,615	—	143,615	—
Line Transformer Capacity (MVA)	6,394	99	58	6,435	—	6,435	—
Public Service Elec & Gas Co							
Watthour Meter Count	1,966,733	50,242	34,842	1,982,133	74,106	1,907,798	229
Line Transformer Count	304,757	6,877	4,524	307,110	3,382	303,728	—
Line Transformer Capacity (MVA)	19,966	649	304	20,311	498	19,813	—
Puget Sound Power & Light Co							
Watthour Meter Count	882,660	34,248	8,932	907,976	18,660	889,171	145
Line Transformer Count	251,020	6,235	2,809	254,446	4,774	249,196	476
Line Transformer Capacity (MVA)	10,684	285	93	10,876	322	10,539	15
PECO Energy Company							
Watthour Meter Count	1,758,866	36,507	32,470	1,762,903	189,573	1,573,162	168
Line Transformer Count	166,960	5,568	905	171,623	6,561	164,692	370
Line Transformer Capacity (MVA)	11,442	445	49	11,838	719	11,084	34
PSI Energy Inc							
Watthour Meter Count	667,597	25,791	19,857	673,531	30,658	642,236	637
Line Transformer Count	187,919	4,006	3,777	188,148	4,776	182,794	578
Line Transformer Capacity (MVA)	8,182	255	140	8,297	431	7,844	22
Rochester Gas & Electric Corp							
Watthour Meter Count	358,629	677	—	359,306	15,516	343,534	256
Line Transformer Count	73,981	1,979	501	75,459	8,160	67,299	—
Line Transformer Capacity (MVA)	2,899	87	12	2,974	503	2,471	—
Rockland Electric Company							
Watthour Meter Count	68,438	347	841	67,944	3,928	64,005	11
Line Transformer Count	20,593	522	400	20,715	2,745	17,970	—
Line Transformer Capacity (MVA)	1,034	30	21	1,043	169	874	—

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
San Diego Gas & Electric Co							
Watthour Meter Count	1,182,450	29,987	16,206	1,196,231	62,396	1,132,367	1,468
Line Transformer Count	163,461	4,876	3,175	165,162	3,077	162,085	—
Line Transformer Capacity (MVA)	10,024	385	182	10,227	337	9,890	—
Savannah Electric & Power Co							
Watthour Meter Count	123,948	3,758	4,646	123,060	8,261	114,768	31
Line Transformer Count	34,621	1,313	185	35,749	1,196	34,553	—
Line Transformer Capacity (MVA)	1,604	63	11	1,656	109	1,547	—
Sierra Pacific Power Company							
Watthour Meter Count	282,008	9,046	4,635	286,419	9,335	276,904	180
Line Transformer Count	60,728	2,904	670	62,962	5,486	—	57,476
Line Transformer Capacity (MVA)	3,462	214	43	3,633	466	—	3,167
South Beloit Water Gas&Elec Co							
Watthour Meter Count	6,781	218	—	6,999	39	6,960	—
Line Transformer Count	2,168	59	9	2,218	—	2,218	—
Line Transformer Capacity (MVA)	106,956	4,552	1,049	110,459	—	110,459	—
South Carolina Elec & Gas Co							
Watthour Meter Count	499,915	6,234	7,532	498,617	24,528	473,559	530
Line Transformer Count	196,506	5,749	9,179	193,076	4,684	186,987	1,405
Line Transformer Capacity (MVA)	8,216	284	316	8,184	465	7,661	58
Southern California Edison Co							
Watthour Meter Count	4,354,488	108,832	69,759	4,393,561	22,727	4,370,613	221
Line Transformer Count	656,273	14,382	10,833	659,822	12,013	647,809	—
Southern Indiana Gas & Elec Co							
Watthour Meter Count	133,366	3,409	2,580	134,195	6,252	127,889	54
Line Transformer Count	47,087	1,480	627	47,940	2,296	45,644	—
Line Transformer Capacity (MVA)	1,916	79	21	1,974	169	1,805	—
Southwestern Elec Service Co							
Watthour Meter Count	41,643	812	404	42,051	1,345	40,590	116
Line Transformer Count	24,892	617	96	25,413	1,191	24,163	59
Line Transformer Capacity (MVA)	645	24	6	663	62	600	1
Southwestern Electric Power Co							
Watthour Meter Count	415,940	17,256	11,503	421,693	13,927	407,534	232
Line Transformer Count	160,998	6,618	1	167,615	3,473	164,142	—
Line Transformer Capacity (MVA)	6,718	272	1	6,989	347	6,642	—
Southwestern Public Service Co							
Watthour Meter Count	360,855	11,977	7,665	365,167	12,285	352,632	250
Line Transformer Count	125,133	5,084	1,922	128,295	—	127,181	1,114
Line Transformer Capacity (MVA)	4,460	192	52	4,600	—	4,568	32
St Joseph Light & Power Co							
Watthour Meter Count	68,794	1,695	1,627	68,862	8,894	59,776	192
Line Transformer Count	21,194	535	413	21,316	909	20,407	—
Line Transformer Capacity (MVA)	926	38	10	954	110	844	—
Superior Water Light&Power Co							
Watthour Meter Count	14,537	51	231	14,357	816	13,518	23
Line Transformer Count	2,040	100	65	2,075	155	1,888	32
Line Transformer Capacity (MVA)	86,237	3,655	1,333	88,559	9,834	77,534	1,191
Tampa Electric Company							
Watthour Meter Count	520,026	19,436	10,877	528,585	37,357	491,101	127
Line Transformer Count	123,294	6,311	3,777	125,828	955	124,416	457
Line Transformer Capacity (MVA)	6,482	348	170	6,660	148	6,476	36
Texas Utilities Electric Co							
Watthour Meter Count	2,330,141	50,472	17,701	2,362,912	80,184	—	2,282,728
Line Transformer Count	697,351	12,558	12,635	697,274	15,776	—	681,498
Line Transformer Capacity (MVA)	36,927	870	518	37,279	2,018	—	35,261
Texas-New Mexico Power Co							
Watthour Meter Count	220,372	8,907	5,124	224,155	8,003	216,152	—
Line Transformer Count	93,154	3,012	1,178	94,988	6,233	88,755	—
Line Transformer Capacity (MVA)	3,064	131	47	3,148	347	2,801	—

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994
(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Toledo Edison Company							
Watthour Meter Count	304,960	6,500	23,603	287,857	8,413	279,444	—
Line Transformer Count	74,835	2,356	—	77,191	2,441	74,750	—
Line Transformer Capacity (MVA)	3,728	140	—	3,868	212	3,656	—
Tucson Electric Power Company							
Watthour Meter Count	306,538	11,536	4,142	313,932	2,534	311,398	—
Line Transformer Count	61,940	1,814	986	62,768	2,468	60,300	—
Line Transformer Capacity (MVA)	3,759	124	34	3,849	234	3,615	—
Union Electric Company							
Watthour Meter Count	1,293,591	41,416	17,018	1,317,989	14,764	1,303,225	—
Line Transformer Count	276,622	7,993	5,119	279,496	35,576	243,557	363
Line Transformer Capacity (MVA)	15,221	446	234	15,433	3,562	11,835	36
Union Light Heat & Power Co							
Watthour Meter Count	124,723	5,715	5,697	124,741	7,589	—	117,152
Line Transformer Count	27,207	1,375	980	27,602	1,442	—	26,160
Line Transformer Capacity (MVA)	1,482	99	44	1,537	108	—	1,429
United Illuminating Company							
Watthour Meter Count	326,645	16,547	16,046	327,146	24,703	302,089	354
Line Transformer Count	57,308	1,570	1,318	57,560	2,511	54,876	173
Line Transformer Capacity (MVA)	3,532	102	80	3,554	317	3,226	11
Upper Peninsula Power Company							
Watthour Meter Count	62,737	805	1,127	62,415	2,543	59,765	107
Line Transformer Count	19,239	301	168	19,372	811	18,489	72
Line Transformer Capacity (MVA)	450	12	3	459	39	418	2
UtiliCorp United Inc							
Watthour Meter Count	347,786	10,899	5,558	353,127	10,693	266,606	75,828
Line Transformer Count	119,999	3,024	2,060	120,963	5,748	112,219	2,996
Line Transformer Capacity (MVA)	4,332	167	78	4,421	431	3,803	187
Virginia Electric & Power Co							
Watthour Meter Count	1,932,754	67,548	33,550	1,966,752	64,582	1,901,782	388
Line Transformer Count	529,807	15,406	8,479	536,734	11,245	524,211	1,278
Line Transformer Capacity (MVA)	27,842	1,043	442	28,443	1,043	27,183	217
Washington Water Power Company							
Watthour Meter Count	288,254	11,523	3,495	296,282	15,842	280,440	—
Line Transformer Count	91,625	2,888	996	93,517	2,626	90,891	—
Line Transformer Capacity (MVA)	3,504	108	33	3,579	177	3,402	—
West Penn Power Company							
Watthour Meter Count	699,720	21,077	21,894	698,903	15,606	683,250	47
Line Transformer Count	297,547	8,182	4,376	301,353	4,741	296,612	—
Line Transformer Capacity (MVA)	6,591	260	229	6,622	261	6,361	—
West Texas Utilities Company							
Watthour Meter Count	190,931	7,398	4,063	194,266	11,726	181,877	663
Line Transformer Count	84,504	2,785	792	86,497	2,955	83,542	—
Line Transformer Capacity (MVA)	2,920	251	30	3,141	209	2,932	—
Western Massachusetts Elec Co							
Watthour Meter Count	216,306	14,760	6,683	224,383	16,006	208,347	30
Line Transformer Count	38,903	803	—	39,706	969	38,630	107
Line Transformer Capacity (MVA)	1,773	40	—	1,813	101	1,709	3
Western Resources Inc							
Watthour Meter Count	327,709	12,477	8,142	332,044	11,888	320,156	—
Line Transformer Count	142,081	2,150	3,396	140,835	5,916	132,532	2,387
Line Transformer Capacity (MVA)	4,649	153	89	4,713	369	4,256	88
Wheeling Power Company							
Watthour Meter Count	44,849	793	1,422	44,220	2,880	41,319	21
Line Transformer Count	11,663	515	275	11,903	463	11,391	49
Line Transformer Capacity (MVA)	454	20	12	462	33	423	6

See notes and footnotes at end of table.

Table 44. Watthour Meter and Line Transformer Statistics of Investor-Owned Utilities, 1994

(Count and Megavoltampere) (Continued)

Distribution Equipment	Number at Beginning of Year	Additions During Year	Reductions During Year	Number at End of Year	In Stock, Locked, and Inactive ¹	In Customers Use	In Company Use
Wisconsin Electric Power Co							
Watthour Meter Count	1,010,967	33,155	13,025	1,031,097	53,614	977,483	—
Line Transformer Count	216,827	11,092	10,946	216,973	27,769	189,204	—
Line Transformer Capacity (MVA)	11,036	616	446	11,206	1,996	9,210	—
Wisconsin Power & Light Co							
Watthour Meter Count	387,626	29,379	22,800	394,205	—	393,972	233
Line Transformer Count	140,652	6,040	1,994	144,698	3,291	141,407	—
Line Transformer Capacity (MVA)	4,679	257	51	4,885	270	4,615	—
Wisconsin Public Service Corp							
Watthour Meter Count	364,030	10,446	4,927	369,549	8,864	360,549	136
Line Transformer Count	144,776	3,086	1,257	146,605	7,754	138,582	269
Line Transformer Capacity (MVA)	4,681	101	51	4,731	651	4,050	30

¹ In stock, locked meters on customer's premises and inactive transformers on system.

—Not Applicable

Notes: •Totals may not equal sum of components because of independent rounding. •MVA means megavoltampere.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Appendix A

**Federal
Energy
Regulatory
Commission
Regulation of
the Electric
Utility
Industry**

Appendix A

Federal Energy Regulatory Commission Regulation of the Electric Utility Industry

The responsibility for regulating most interstate wholesale electric trade rests with the Federal Government, and not with State or local governments. Therefore, data on wholesale trade are collected within a framework of Federal laws and regulations. In wholesale trade between electrically connected utilities, if even one utility is electrically connected to a utility that operates in a different State, then trade among any of these utilities is considered interstate and jurisdictional for the Federal Energy Regulatory Commission (FERC) regulatory purposes. Hence virtually all wholesale trade except that in Alaska, Hawaii, and part of Texas is considered interstate.

FERC is responsible for governing interstate trade of wholesale electricity for investor-owned utilities. In order to participate in wholesale electricity trade, utilities must file interconnection agreements (contracts) with the FERC. FERC exercises its regulatory authority directly by approving interconnections between utilities, coordinating agreements to exchange power, and approving wholesale power rates. Authority for bulk power transactions is typically prearranged under interconnection contracts. These agreements define an individual electric utility's overall relationship to other utilities. In addition, they define how each will maintain its part of the electrical system operations. Other contracts are often negotiated to handle specific needs. In fact, one of the most common is for support of full or partial requirements power. Requirements contracts cover electric utilities that have either insufficient or no generating capability to satisfy their customer load. They represent long-term, firm power contractual obligations in which the terms and conditions obligate the selling electric utility to provide the buying electric utility a level of service equivalent to the seller's requirement to support its own retail customers. These contracts may be with more than one electric utility.

The FERC established a Uniform System of Accounts for the financial reporting of electric trade transactions. The transactions reported are complex and involve specifics of contracts, simultaneous energy transactions, the unintended receipt and delivery of energy, and the handling of energy losses. These accounts can be found in the FERC's "Accounting and Reporting Requirements For Public Utilities and Licensees." FERC requires only investor-owned utilities to file financial information on electric trade. The Rural Electrification Administration (REA) requires

its borrowers (usually cooperatives) to file similar information, while EIA requires similar information from public utilities. Both the RUS and the EIA request the reporting of information based on the Uniform System of Accounts.

Data on wholesale electricity trade are collected on Federal survey data forms that are accounting-system based. They were designed for regulatory purposes to meet individual electric utility administrative and rate case needs as opposed to overall aggregate industry statistical and analytical purposes.

The FERC Forms 1 and 1-F are the primary financial reporting forms. Wholesale data are collected on 4 of the approximately 75 survey schedules comprising the FERC Form 1. The wholesale electricity trade schedules are categorized as sales for resale, purchased power, summary of interchange, and transmission of electricity for or by others. These schedules correspond to one or more of the following accounts from the Uniform System of Accounts as follows:

- Sales for Resale (447)
 - A. This account shall include the net billing for electricity supplied to other electric utilities or to public authorities for resale purposes.
 - B. Records shall be maintained so as to show the quantity of electricity sold and the revenue received from each customer.
 - NOTE: Revenues from electricity supplied to other public utilities for use by them and not for distribution shall be included in account 443, Commercial and Industrial Sales, unless supplied under the same contract as and not readily separable from revenues includable in this account.
- Purchased Power (555)
 - A. This account shall include the cost at point of receipt by the utility of electricity purchased for resale. It shall include, also, net settlements for exchange of electricity or power, such as economy energy, off-peak energy for on-peak energy, spinning reserve capacity, etc. In addition, the account shall include the net settlements for transactions under pooling or interconnection agreements wherein there is a balancing of debits and

credits for energy, capacity, etc. Distinct purchases and sales shall not be recorded as exchanges and net amounts are only recorded merely because debit and credit amounts are combined in the voucher settlement.

- B. The records supporting this account shall show, by months, the demands and demand charges, kilowatthours and prices thereof under each purchase contract and the charges and credits under each exchange or power pooling contract.
- Other Electric Revenues (456)
 - 5. Revenues from transmission of electricity of others over transmission facilities of the utility.
- Transmission of Electricity By Others (565)
 - This account shall include amounts payable to others for the transmission of the utility's electricity over transmission facilities owned by others.

Addition of Statistical Classification Codes to the FERC Form 1

The Federal Energy Regulatory Commission modified the FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others" for the 1990 collection year. The Statistical Classification Codes are based on the original contractual terms and conditions of the service. The following codes were added to FERC Form 1:

- RQ - for requirements service. Requirements service is service which the supplier plans to provide on an ongoing basis (i.e., the supplier includes projected load for this service in its system resource planning). In addition, the reliability of requirements service must be the same as, or second only to, the supplier's service to its own ultimate consumers.
- LF - for long-term service. "Long-term" means 5 years or longer and "firm" means that service cannot be interrupted for economic reasons and is intended to remain reliable even under adverse conditions (e.g., the supplier must attempt to buy emergency energy from third parties to maintain deliveries of LF service). This category should not be used for long-term firm service which meets the definition of RQ service. For all transactions identified as LF, provide in a footnote the termination date of the contract defined as the earliest date that either buyer or seller can unilaterally get out of the contract.
- IF - for intermediate-term firm service. The same as LF service except that "intermediate-term" means longer than 1 year but less than 5 years.
- SF - for short-term firm service. Use this category for all firm services where the duration of each period of commitment for service is 1 year or less.
- LU - for long-term service from a designated generating unit. "Long-term" means 5 years or longer. The availability and reliability of service,

aside from transmission constraints, must match the availability and reliability of the designated unit.

- IU - for intermediate-term service from a designated generating unit. The same as LU service except that "intermediate-term" means longer than 1 year but less than 5 years.
- EX - for exchange of electricity. Use this category for transactions involving a balancing of debits and credits for energy, capacity, etc. and any settlements for imbalanced exchanges.
- OS - for other service. Use this category only for those services which cannot be placed in the above-defined categories, such as all nonfirm service regardless of the length of the contract and service from designated units of less than 1 year. Describe the nature of the service in a footnote.
- AD - for out-of-period adjustments. Use this code for any accounting adjustments or "tune-ups" for service provided in prior reporting years. Provide an explanation in a footnote for each adjustment.

FERC Accounting Release Number AR-14

The Office of the Chief Accountant released an interpretation of Account 555 in Accounting Release Number AR-14 effective January 1, 1991. The format was question and answer. AR-14 is as follows:

Question: The text of Account 555, Purchased Power, states in part: "This account shall include the cost at point of receipt by the utility of electricity purchased for resale. It shall include, also, net settlements for exchange of electricity or power, such as economy energy, off-peak energy for on-peak energy, spinning reserve capacity, etc. In addition, the account shall include the net settlements for transactions under pooling or interconnection agreements wherein there is a balancing of debits and credits for energy, capacity, etc." Does this mean that Account 555 is to include all settlement amounts arising from power pool transactions regardless of how compensation for energy delivered to the power pool or capacity made available to the power pool is determined and all settlement amounts for energy provided under nonpool contractual agreements in which the agreements contain provisions pertaining to both the receipt and delivery of energy?

Answer: No. The above requirement must be read in conjunction with the sentence in the accounting text that immediately follows the above quote which states: "Distinct purchases and sales shall not be recorded as exchanges and net amounts only recorded merely because debit and credit amounts are combined in the voucher settlement." It is the intent of the text of Account 555 to limit the use of the account to the cost of energy and capacity purchased and net settlements arising from barter transactions. Gross amounts for compensation for energy delivered or capacity made available to a power pool or delivered pursuant to other agreements where settlements are

determined through application of specific rate schedules, "split-the-saving" calculations, simulations, or other non-barter means must be recorded in the appro-

priate operating revenue account and not netted with purchased power expenses properly recorded in Account 555.

Appendix B

State, NERC Region, and Data Sources for Electric Utilities

Appendix B

State, NERC Region, and Data Sources for Electric Utilities

Table B1. Investor-Owned Utilities, 1994

Utility	State ¹	NERC Region ²	Survey Form ³
Alabama Power Co	Alabama	SERC	FERC FORM 1
Alaska Electric Light & Power Co	Alaska	ASCC	FERC FORM 1-F
Alcoa Generating Corp	Indiana	ECAR	FERC FORM 1
Allegheny Generating Co	Maryland	ECAR	FERC FORM 1-F
Appalachian Power Co	Virginia	ECAR	FERC FORM 1
Arizona Public Service Co	Arizona	WSCC	FERC FORM 1
Arkansas Power & Light Co	Arkansas	SPP	FERC FORM 1
Aroostook Valley Electric Co	Maine	NPCC	FERC FORM 1
Atlantic City Electric Co	New Jersey	MAAC	FERC FORM 1
AEP Generating Co	Indiana	ECAR	FERC FORM 1
Baltimore Gas & Electric Co	Maryland	MAAC	FERC FORM 1
Bangor Hydro-Electric Co	Maine	NPCC	FERC FORM 1
Black Hills Corp	South Dakota	WSCC	FERC FORM 1
Blackstone Valley Electric Co	Rhode Island	NPCC	FERC FORM 1
Boston Edison Co	Massachusetts	NPCC	FERC FORM 1
Cambridge Electric Light Co	Massachusetts	NPCC	FERC FORM 1
Canal Electric Co	Massachusetts	NPCC	FERC FORM 1
Carolina Power & Light Co	North Carolina	SERC	FERC FORM 1
Catalyst Old River Hydroel LP	Louisiana	SPP	FERC FORM 1
Central Hudson Gas & Elec Corp	New York	NPCC	FERC FORM 1
Central Illinois Light Co	Illinois	MAIN	FERC FORM 1
Central Illinois Pub Serv Co	Illinois	MAIN	FERC FORM 1
Central Louisiana Elec Co Inc	Louisiana	SPP	FERC FORM 1
Central Maine Power Co	Maine	NPCC	FERC FORM 1
Central Power & Light Co	Texas	ERCOT	FERC FORM 1
Central Vermont Pub Serv Corp	Vermont	NPCC	FERC FORM 1
Century Power Corp	Arizona	WSCC	FERC FORM 1
Cincinnati Gas & Electric Co	Ohio	ECAR	FERC FORM 1
Citizens Utilities Co	Vermont	NPCC	FERC FORM 1
Citizens Utilities Co	Hawaii	HI	FERC FORM 1
Citizens Utilities Co	Arizona	WSCC	FERC FORM 1
Citizens ' Electric Co	Pennsylvania	MAAC	FERC FORM 1-F
Cleveland Electric Illum Co	Ohio	ECAR	FERC FORM 1
Columbus Southern Power Co	Ohio	ECAR	FERC FORM 1
Commonwealth Edison Co	Illinois	MAIN	FERC FORM 1
Commonwealth Edison Co IN Inc	Indiana	MAIN	FERC FORM 1
Commonwealth Electric Co	Massachusetts	NPCC	FERC FORM 1
Concord Electric Co	New Hampshire	NPCC	FERC FORM 1-F
Connecticut Light & Power Co	Connecticut	NPCC	FERC FORM 1
Connecticut Valley Elec Co Inc	New Hampshire	NPCC	FERC FORM 1
Connecticut Yankee Atom Pwr Co	Connecticut	NPCC	FERC FORM 1
Consolidated Edison Co-NY Inc	New York	NPCC	FERC FORM 1
Consolidated Water Power Co	Wisconsin	MAIN	FERC FORM 1
Consumers Power Co	Michigan	ECAR	FERC FORM 1
Dayton Power & Light Co	Ohio	ECAR	FERC FORM 1
Delmarva Power & Light Co	Delaware	MAAC	FERC FORM 1
Detroit Edison Co	Michigan	ECAR	FERC FORM 1
Duke Power Co	North Carolina	SERC	FERC FORM 1
Duquesne Light Co	Pennsylvania	ECAR	FERC FORM 1
Eastern Edison Co	Massachusetts	NPCC	FERC FORM 1
Edison Sault Electric Co	Michigan	ECAR	FERC FORM 1
El Paso Electric Co	Texas	WSCC	FERC FORM 1

See footnotes at end of table.

Table B1. Investor-Owned Utilities, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Electric Energy Inc.....	Illinois	MAIN	FERC FORM 1
Empire District Electric Co.....	Missouri	SPP	FERC FORM 1
Entergy Power Inc.....	Arkansas	SPP	FERC FORM 1
Exeter & Hampton Electric Co.....	New Hampshire	NPCC	FERC FORM 1-F
Fitchburg Gas & Elec Light Co.....	Massachusetts	NPCC	FERC FORM 1
Florida Power & Light Co.....	Florida	SERC	FERC FORM 1
Florida Power Corp.....	Florida	SERC	FERC FORM 1
Georgia Power Co.....	Georgia	SERC	FERC FORM 1
Granite State Electric Co.....	New Hampshire	NPCC	FERC FORM 1-F
Great Bay Power Corp.....	New Hampshire	NPCC	FERC FORM 1
Green Mountain Power Corp.....	Vermont	NPCC	FERC FORM 1
Gulf Power Co.....	Florida	SERC	FERC FORM 1
Gulf States Utilities Co.....	Texas	SPP	FERC FORM 1
Hardee Power Partners Ltd.....	Florida	SERC	FERC FORM 1
Hawaiian Electric Co Inc.....	Hawaii	HI	FERC FORM 1
Holyoke Power & Electric Co.....	Massachusetts	NPCC	FERC FORM 1
Holyoke Water Power Co.....	Massachusetts	NPCC	FERC FORM 1
Houston Lighting & Power Co.....	Texas	ERCOT	FERC FORM 1
Idaho Power Co.....	Idaho	WSCC	FERC FORM 1
Illinois Power Co.....	Illinois	MAIN	FERC FORM 1
Indiana Michigan Power Co.....	Indiana	ECAR	FERC FORM 1
Indiana-Kentucky Electric Corp.....	Ohio	ECAR	FERC FORM 1
Indianapolis Power & Light Co.....	Indiana	ECAR	FERC FORM 1
Interstate Power Co.....	Iowa	MAPP	FERC FORM 1
Iowa-Illinois Gas&Electric Co.....	Iowa	MAPP	FERC FORM 1
IES Utilities Inc.....	Iowa	MAPP	FERC FORM 1
Jersey Central Power&Light Co.....	New Jersey	MAAC	FERC FORM 1
Kanawha Valley Power Co.....	West Virginia	ECAR	FERC FORM 1
Kansas City Power & Light Co.....	Missouri	SPP	FERC FORM 1
Kansas Gas & Electric Co.....	Kansas	SPP	FERC FORM 1
Kentucky Power Co.....	Kentucky	ECAR	FERC FORM 1
Kentucky Utilities Co.....	Kentucky	ECAR	FERC FORM 1
Kingsport Power Co.....	Tennessee	ECAR	FERC FORM 1
Lockhart Power Co.....	South Carolina	SERC	FERC FORM 1
Long Island Lighting Co.....	New York	NPCC	FERC FORM 1
Long Sault Inc.....	New York	ERCOT	FERC FORM 1
Louisiana Power & Light Co.....	Louisiana	SPP	FERC FORM 1
Louisville Gas & Electric Co.....	Kentucky	ECAR	FERC FORM 1
Madison Gas & Electric Co.....	Wisconsin	MAIN	FERC FORM 1
Maine Electric Power Co Inc.....	Maine	NPCC	FERC FORM 1
Maine Public Service Co.....	Maine	NPCC	FERC FORM 1
Maine Yankee Atomic Power Co.....	Maine	NPCC	FERC FORM 1
Massachusetts Electric Co.....	Massachusetts	NPCC	FERC FORM 1
Maui Electric Co Ltd.....	Hawaii	HI	FERC FORM 1
Metropolitan Edison Co.....	Pennsylvania	MAAC	FERC FORM 1
Midwest Power Systems Inc.....	Iowa	MAPP	FERC FORM 1
Minnesota Power & Light Co.....	Minnesota	MAPP	FERC FORM 1
Mississippi Power & Light Co.....	Mississippi	SPP	FERC FORM 1
Mississippi Power Co.....	Mississippi	SERC	FERC FORM 1
Missouri Public Service Co.....	Missouri	SPP	FERC FORM 1
Monongahela Power Co.....	West Virginia	ECAR	FERC FORM 1
Montana Power Co.....	Montana	WSCC	FERC FORM 1
Montaup Electric Co.....	Massachusetts	NPCC	FERC FORM 1
Mt Carmel Public Utility Co.....	Illinois	MAIN	FERC FORM 1
MDU Resources Group Inc.....	North Dakota	MAPP	FERC FORM 1
Nantahala Power & Light Co.....	North Carolina	SERC	FERC FORM 1
Narragansett Electric Co.....	Rhode Island	NPCC	FERC FORM 1
Nevada Power Co.....	Nevada	WSCC	FERC FORM 1
Nevada Sun-Peak Ltd Partners.....	Nevada	WSCC	FERC FORM 1
New England Elec Transm'n Cor.....	New Hampshire	NPCC	FERC FORM 1
New England Hydro-Tran Elec Co.....	Massachusetts	NPCC	FERC FORM 1
New England Hydro-Trans Corp.....	New Hampshire	NPCC	FERC FORM 1
New England Power Co.....	Massachusetts	NPCC	FERC FORM 1
New Orleans Public Service Inc.....	Louisiana	SPP	FERC FORM 1
New York State Elec & Gas Corp.....	New York	NPCC	FERC FORM 1
Newport Electric Corp.....	Rhode Island	NPCC	FERC FORM 1
Niagara Mohawk Power Corp.....	New York	NPCC	FERC FORM 1
North Atlantic Energy Corp.....	New Hampshire	NPCC	FERC FORM 1
Northern Indiana Pub Serv Co.....	Indiana	ECAR	FERC FORM 1
Northern States Power Co.....	Wisconsin	MAPP	FERC FORM 1
Northern States Power Co.....	Minnesota	MAPP	FERC FORM 1
Northwestern Public Service Co.....	South Dakota	MAPP	FERC FORM 1
Northwestern Wisconsin Elec Co.....	Wisconsin	MAPP	FERC FORM 1
Ocean State Power.....	Rhode Island	NPCC	FERC FORM 1
Ocean State Power II.....	Rhode Island	NPCC	FERC FORM 1

See footnotes at end of table.

Table B1. Investor-Owned Utilities, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Ohio Edison Co.....	Ohio	ECAR	FERC FORM 1
Ohio Power Co.....	Ohio	ECAR	FERC FORM 1
Ohio Valley Electric Corp.....	Ohio	ECAR	FERC FORM 1
Oklahoma Gas & Electric Co.....	Oklahoma	SPP	FERC FORM 1
Orange & Rockland Utils Inc.....	New York	NPCC	FERC FORM 1
Otter Tail Power Co.....	Minnesota	MAPP	FERC FORM 1
Pacific Gas & Electric Co.....	California	WSCC	FERC FORM 1
PacifiCorp.....	Oregon	WSCC	FERC FORM 1
Pennsylvania Electric Co.....	Pennsylvania	MAAC	FERC FORM 1
Pennsylvania Power & Light Co.....	Pennsylvania	MAAC	FERC FORM 1
Pennsylvania Power Co.....	Pennsylvania	ECAR	FERC FORM 1
Pioneer Power & Light Co.....	Wisconsin	MAIN	FERC FORM 1
Portland General Electric Co.....	Oregon	WSCC	FERC FORM 1
Potomac Edison Co.....	Maryland	ECAR	FERC FORM 1
Potomac Electric Power Co.....	District of Col.	MAAC	FERC FORM 1
Public Service Co of Colorado.....	Colorado	WSCC	FERC FORM 1
Public Service Co of NH.....	New Hampshire	NPCC	FERC FORM 1
Public Service Co of NM.....	New Mexico	WSCC	FERC FORM 1
Public Service Co of Oklahoma.....	Oklahoma	SPP	FERC FORM 1
Public Service Electric&Gas Co.....	New Jersey	MAAC	FERC FORM 1
Puget Sound Power & Light Co.....	Washington	WSCC	FERC FORM 1
PECO Energy Co.....	Pennsylvania	MAAC	FERC FORM 1
PSI Energy Inc.....	Indiana	ECAR	FERC FORM 1
Rochester Gas & Electric Corp.....	New York	NPCC	FERC FORM 1
Rockland Electric Co.....	New Jersey	MAAC	FERC FORM 1
Safe Harbor Water Power Corp.....	Pennsylvania	MAAC	FERC FORM 1
San Diego Gas & Electric Co.....	California	WSCC	FERC FORM 1
Savannah Electric & Power Co.....	Georgia	SERC	FERC FORM 1
Sierra Pacific Power Co.....	Nevada	WSCC	FERC FORM 1
South Beloit Water Gas&Elec Co.....	Wisconsin	MAIN	FERC FORM 1
South Carolina Electric&Gas Co.....	South Carolina	SERC	FERC FORM 1
South Carolina Genertg Co Inc.....	South Carolina	SERC	FERC FORM 1
Southern California Edison Co.....	California	WSCC	FERC FORM 1
Southern Electric Generat 'g C.....	Alabama	SERC	FERC FORM 1
Southern Indiana Gas & Elec Co.....	Indiana	ECAR	FERC FORM 1
Southwestern Electric Power Co.....	Louisiana	SPP	FERC FORM 1
Southwestern Electric Serv Co.....	Texas	ERCOT	FERC FORM 1
Southwestern Public Service Co.....	Texas	SPP	FERC FORM 1
St Joseph Light & Power Co.....	Missouri	SPP	FERC FORM 1
Superior Water Light&Power Co.....	Wisconsin	MAPP	FERC FORM 1
Susquehanna Electric Co.....	Pennsylvania	MAAC	FERC FORM 1
System Energy Resources Inc.....	Mississippi	SERC	FERC FORM 1
Tampa Electric Co.....	Florida	SERC	FERC FORM 1
Texas Utilities Electric Co.....	Texas	ERCOT	FERC FORM 1
Texas-New Mexico Power Co.....	Texas	ERCOT	FERC FORM 1
Texas-New Mexico Power Co-NM.....	New Mexico	WSCC	FERC FORM 1
Toledo Edison Co.....	Ohio	ECAR	FERC FORM 1
Tucson Electric Power Co.....	Arizona	WSCC	FERC FORM 1
Union Electric Co.....	Missouri	MAIN	FERC FORM 1
Union Light Heat & Power Co.....	Kentucky	ECAR	FERC FORM 1
United Illuminating Co.....	Connecticut	NPCC	FERC FORM 1
Upper Peninsula Power Co.....	Michigan	MAIN	FERC FORM 1
UtiliCorp United Inc.....	Missouri	SPP	FERC FORM 1
UNITIL Power Corp.....	New Hampshire	NPCC	FERC FORM 1-F
Vermont Electric Power Co Inc.....	Vermont	NPCC	FERC FORM 1
Vermont Electric Trans Co Inc.....	Vermont	NPCC	FERC FORM 1
Vermont Yankee Nucl Pwr Corp.....	Vermont	NPCC	FERC FORM 1
Virginia Electric & Power Co.....	Virginia	SERC	FERC FORM 1
Washington Water Power Co.....	Washington	WSCC	FERC FORM 1
West Penn Power Co.....	Pennsylvania	ECAR	FERC FORM 1
West Texas Utilities Co.....	Texas	ERCOT	FERC FORM 1
West Virginia Power Co.....	West Virginia	ECAR	FERC FORM 1
Western Massachusetts Elec Co.....	Massachusetts	NPCC	FERC FORM 1
Western Resources Inc.....	Kansas	SPP	FERC FORM 1
WestPlains Energy.....	Kansas	SPP	FERC FORM 1
WestPlains Energy.....	Colorado	WSCC	FERC FORM 1
Wheeling Power Co.....	West Virginia	ECAR	FERC FORM 1
Wisconsin Electric Power Co.....	Wisconsin	MAIN	FERC FORM 1
Wisconsin Power & Light Co.....	Wisconsin	MAIN	FERC FORM 1
Wisconsin Public Service Corp.....	Wisconsin	MAIN	FERC FORM 1
Wisconsin River Power Co.....	Wisconsin	MAIN	FERC FORM 1

See footnotes at end of table.

Table B1. Investor-Owned Utilities, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Yadkin Inc	North Carolina	SERC	FERC FORM 1
Yankee Atomic Electric Co	Massachusetts	NPCC	FERC FORM 1
York Haven Power Co.....	Pennsylvania	MAAC	FERC FORM 1

¹ The State in which the corporate office of the utility is located.

² The principal North American Electric Reliability Council region in which the utility operates. See Glossary for a list of all regions.

³ Source of data for this publication

Note: Some of the investor-owned electric utilities that are required to file as "minor" utilities did not use the FERC Form 1-F, instead they filed the FERC Form 1. Table B1 identifies only the actual form filed with the FERC and not the list of "minor" investor-owned electric utilities.

Sources: •Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others." •FERC Form 1-F, "Annual Report for Nonmajor Public Utilities and Licensees."

Table B2. Federal Utilities, 1994

Utility	State ¹	NERC Region ²	Survey Form ³
Alaska Power Administration.....	Alaska	ASCC	EIA-412
Bonneville Power Admin	Oregon	WSCC	EIA-412
International Water & Boundary Commission	Texas	ERCOT	None ⁴
Southeastern Power Admin	Georgia	SERC	EIA-412
Southwestern Power Admin	Oklahoma	SPP	EIA-412
Tennessee Valley Authority	Tennessee	SERC	EIA-412
U S Army Corps of Engineers.....	Michigan	ECAR	EIA-412
U S Bureau of Indian Affairs.....			
Mission Valley Power ⁵	Montana	WSCC	EIA-412
San Carlos Irrigation Project ⁶	Arizona	WSCC	EIA-412
U.S. Bureau of Reclamation.....	District of Columbia	WSCC	None ⁴
Western Area Power Admin	Colorado	WSCC	EIA-412

¹ The State in which the administrative office of the utility is located.

² The principal North American Electric Reliability Council region in which the utility operates. See glossary for a list of all regions.

³ Source of data for this publication

⁴ Data reported by Western Area Power Administration.

⁵ Under P.L. 93-638, the operation and maintenance of the electric utility portion of the irrigation project has been contracted with Mission Valley Power, an entity of the Confederated Salish and Kootenai Tribes.

⁶ During 1992, portions of the utility were divested by the Federal Government. The off-reservation distribution system is to be transferred to San Carlos Irrigation and Drainage District (a state entity) which will sell it to Arizona Public Service. The on-reservation distribution system is to be transferred to Gila River Utility Authority (of the Gila River Indian Community) and the San Carlos Apache Tribe. The Coolidge Dam will remain U.S. property and be run by the Bureau of Indian Affairs.

Note: The Federal Government both produces electricity and sells it at wholesale. Federal producers include the U.S. Army Corps of Engineers, Bureau of Indian Affairs, Bureau of Reclamation, and the International Boundary and Water Commission. The power marketing administrations of the U.S. Department of Energy are also federally owned utilities; they include the Alaska, Bonneville, Southeastern, Southwestern, and Western Area Power Administrations. The Tennessee Valley Authority also both generates and markets electricity.

Sources: •Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities." •Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table B3. State and Other Government Utilities, 1994

Utility	State ¹	NERC Region ²	Survey Form ³
Alaska Energy Authority.....	Alaska	ASCC	EIA-412
Arizona Power Authority.....	Arizona	WSCC	EIA-412
Arkansas River Power Authority.....	Colorado	WSCC	EIA-412
Burt County Public Power Dist.....	Nebraska	MAPP	RUS-7
Butler County Rural P P D.....	Nebraska	MAPP	RUS-7
California Dept-Wtr Resources.....	California	WSCC	EIA-412
Central Lincoln Peoples Util Dt.....	Oregon	WSCC	EIA-412
Central Nebraska Pub P&I Dist.....	Nebraska	MAPP	EIA-412
Chimney Rock Public Power Dist.....	Nebraska	MAPP	RUS-7
Clatskanie Peoples Util Dist.....	Oregon	WSCC	EIA-412
Colorado River Comm of Nevada.....	Nevada	WSCC	EIA-412
Columbia River Peoples Ut Dist.....	Oregon	WSCC	EIA-412
Cornhusker Public Power Dist.....	Nebraska	MAPP	EIA-412
Crisp County Power Comm.....	Georgia	SERC	EIA-412
Dawson County Public Pwr Dist.....	Nebraska	MAPP	EIA-412
Electrical Dist No2 Pinal Cnty.....	Arizona	WSCC	EIA-412
Emerald People 's Utility Dist.....	Oregon	WSCC	EIA-412
Grand River Dam Authority.....	Oklahoma	SPP	EIA-412
Heartland Consumers Power Dist.....	South Dakota	MAPP	EIA-412
Imperial Irrigation District.....	California	WSCC	EIA-412
Indiana Municipal Power Agency.....	Indiana	ECAR	EIA-412
Kansas Municipal Energy Agency.....	Kansas	SPP	EIA-412
Kings River Conservation Dist.....	California	WSCC	EIA-412
KBR Rural Public Power Dist.....	Nebraska	MAPP	RUS-7
Louisiana Energy & Power Auth.....	Louisiana	SPP	EIA-412
Loup River Public Power Dist.....	Nebraska	MAPP	EIA-412
Lower Colorado River Authority.....	Texas	ERCOT	EIA-412
Massachusetts Mun Whls Elec Co.....	Massachusetts	NPCC	EIA-412
Merced Irrigation District.....	California	WSCC	EIA-412
Michigan Public Power Agency.....	Michigan	ECAR	EIA-412
Michigan South Central Pwr Agy.....	Michigan	ECAR	EIA-412
Missouri Basin Mun Power Agny.....	South Dakota	MAPP	EIA-412
Modesto Irrigation District.....	California	WSCC	EIA-412
Municipal Electric Authority.....	Georgia	SERC	EIA-412
Municipal Energy Agency of NE.....	Nebraska	MAPP	EIA-412
MSR Public Power Agency.....	California	WSCC	EIA-412
Navajo Tribal Utility Auth.....	Arizona	WSCC	EIA-412
Nebraska Public Power District.....	Nebraska	MAPP	EIA-412
New River Light & Power Co.....	North Carolina	SERC	EIA-412
Norris Public Power District.....	Nebraska	MAPP	EIA-412
North Central Public Pwr Dist.....	Nebraska	MAPP	RUS-7
Northeast Nebraska Rural P P D.....	Nebraska	MAPP	RUS-7
Northern California Power Agny.....	California	WSCC	EIA-412
Northern Municipal Power Agny.....	Minnesota	MAPP	EIA-412
Northern Wasco County P U D.....	Oregon	WSCC	EIA-412
Oakdale & South San Joaquin.....	California	WSCC	EIA-412
Oklahoma Municipal Power Auth.....	Oklahoma	SPP	EIA-412
Omaha Public Power District.....	Nebraska	MAPP	EIA-412
Oroville-Wyandotte Irrig Dist.....	California	WSCC	EIA-412
Overton Power District No 5.....	Nevada	WSCC	RUS-7
Placer County Water Agency.....	California	WSCC	EIA-412
Platte River Power Authority.....	Colorado	WSCC	EIA-412
Polk County Rural Pub Pwr Dist.....	Nebraska	MAPP	RUS-7
Power Authority of State of NY.....	New York	NPCC	EIA-412
PUD No 1 of Benton County.....	Washington	WSCC	EIA-412
PUD No 1 of Chelan County.....	Washington	WSCC	EIA-412
PUD No 1 of Clallam County.....	Washington	WSCC	EIA-412
PUD No 1 of Clark County.....	Washington	WSCC	EIA-412
PUD No 1 of Cowlitz County.....	Washington	WSCC	EIA-412
PUD No 1 of Douglas County.....	Washington	WSCC	EIA-412
PUD No 1 of Ferry County.....	Washington	WSCC	RUS-7
PUD No 1 of Franklin County.....	Washington	WSCC	EIA-412
PUD No 1 of Grays Harbor Cnty.....	Washington	WSCC	EIA-412
PUD No 1 of Kittitas County.....	Washington	WSCC	RUS-7
PUD No 1 of Klickitat County.....	Washington	WSCC	EIA-412
PUD No 1 of Lewis County.....	Washington	WSCC	EIA-412
PUD No 1 of Mason County.....	Washington	WSCC	RUS-7
PUD No 1 of Okanogan County.....	Washington	WSCC	EIA-412
PUD No 1 of Pend Oreille Cnty.....	Washington	WSCC	EIA-412
PUD No 1 of Snohomish County.....	Washington	WSCC	EIA-412
PUD No 1 of Whatcom County.....	Washington	WSCC	EIA-412
PUD No 2 of Grant County.....	Washington	WSCC	EIA-412
PUD No 2 of Pacific County.....	Washington	WSCC	EIA-412
PUD No 3 of Mason County.....	Washington	WSCC	EIA-412
Sacramento Municipal Util Dist.....	California	WSCC	EIA-412
Salt River Proj Ag I & P Dist.....	Arizona	WSCC	EIA-412

See footnotes at end of table.

Table B3. State and Other Government Utilities, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Sam Rayburn Municipal Pwr Agny.....	Texas	SPP	EIA-412
Seward County Rrl Pub Pwr Dist.....	Nebraska	MAPP	RUS-7
South Carolina Pub Serv Auth.....	South Carolina	SERC	EIA-412
Southern California P P A.....	California	WSCC	EIA-412
Southern Minnesota Mun P Agny.....	Minnesota	MAPP	EIA-412
Southern Nebraska Rural P P D.....	Nebraska	MAPP	EIA-412
Stanton County Public Pwr Dist.....	Nebraska	MAPP	RUS-7
Tillamook Peoples Utility Dist.....	Oregon	WSCC	EIA-412
Tlingit & Haida Region El Auth.....	Alaska	ASCC	RUS-7
Tohono O 'Odham Utility Auth.....	Arizona	WSCC	EIA-412
Toledo Bend Project Joint Oper.....	Texas	SPP	EIA-412
Twin Valleys Public Power Dist.....	Nebraska	MAPP	RUS-7
Utah Associated Mun Power Sys.....	Utah	WSCC	EIA-412
Utah Municipal Power Agency.....	Utah	WSCC	EIA-412
Vera Irrigation District # 15.....	Washington	WSCC	EIA-412
Vermont Public Pwr Supply Auth.....	Vermont	NPCC	EIA-412
Virginia Tech Electric Service.....	Virginia	ECAR	EIA-412
Washington Pub Pwr Supply Sys.....	Washington	WSCC	EIA-412
Wayne County Public Power Dist.....	Nebraska	MAPP	RUS-7
Wheat Belt Public Power Dist.....	Nebraska	WSCC	RUS-7
Wyoming Municipal Power Agency.....	Wyoming	WSCC	EIA-412
Yuba County Water Agency.....	California	WSCC	EIA-412

¹ The State in which the authority is located.

² The principal North American Electric Reliability Council region in which the utility operates. See glossary for a list of all regions.

³ Source of data for this publication

Sources: •Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities." •Rural Utilities Service, RUS Form 7, "Financial and Statistical Report," RUS Form 12a through 12i, "Electric Power Supply Borrowers," Form 12c through 12g, "Electric Distribution Borrowers with Generating Facilities." •Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table B4. Municipal Utilities, 1994

Utility	State ¹	NERC Region ²	Survey Form ³
Aberdeen City of	Mississippi	SERC	EIA-412
Alabama Municipal Elec Auth.....	Alabama	SERC	EIA-412
Alameda City of.....	California	WSCC	EIA-412
Albany Water Gas & Light Comm.....	Georgia	SERC	EIA-412
Albemarle City of.....	North Carolina	SERC	EIA-412
Albertville Municipal Utils Bd.....	Alabama	SERC	EIA-412
Alcoa Utilities.....	Tennessee	SERC	EIA-412
Alexandria City of.....	Minnesota	MAPP	EIA-412
Alexandria City of.....	Louisiana	SPP	EIA-412
Altus City of.....	Oklahoma	SPP	EIA-412
American Mun Power-Ohio Inc.....	Ohio	ECAR	EIA-412
Ames City of.....	Iowa	MAPP	EIA-412
Anaheim City of.....	California	WSCC	EIA-412
Anchorage City of.....	Alaska	ASCC	EIA-412
Andalusia City of.....	Alabama	SERC	EIA-412
Anderson City of.....	Indiana	ECAR	EIA-412
Anoka City of.....	Minnesota	MAPP	EIA-412
Ashland City of.....	Oregon	WSCC	EIA-412
Athens City of.....	Alabama	SERC	EIA-412
Athens City of.....	Tennessee	SERC	EIA-412
Auburn City of.....	Indiana	ECAR	EIA-412
Austin City of.....	Minnesota	MAPP	EIA-412
Austin City of.....	Texas	ERCOT	EIA-412
Azusa City of.....	California	WSCC	EIA-412
Bartow City of.....	Florida	SERC	EIA-412
Batavia City of.....	Illinois	MAIN	EIA-412
Bay City City of.....	Michigan	ECAR	EIA-412
Beatrice City of.....	Nebraska	MAPP	EIA-412
Bedford City of.....	Virginia	ECAR	EIA-412
Benton City of.....	Arkansas	SPP	EIA-412
Benton County.....	Tennessee	SERC	EIA-412
Bentonville City of.....	Arkansas	SPP	EIA-412
Bessemer City of.....	Alabama	SERC	EIA-412
Bluffton City of.....	Indiana	ECAR	EIA-412
Bolivar City of.....	Tennessee	SERC	EIA-412
Bountiful City City of.....	Utah	WSCC	EIA-412
Bowling Green City of.....	Ohio	ECAR	EIA-412
Bowling Green City of.....	Kentucky	SERC	EIA-412
Brainerd City of.....	Minnesota	MAPP	EIA-412
Braintree Town of.....	Massachusetts	NPCC	EIA-412
Brenham City of.....	Texas	ERCOT	EIA-412
Bristol City of.....	Tennessee	SERC	EIA-412
Bristol Utilities Board.....	Virginia	SERC	EIA-412
Brookings City of.....	South Dakota	MAPP	EIA-412
Brownsville City of.....	Tennessee	SERC	EIA-412
Brownsville Public Utils Board.....	Texas	ERCOT	EIA-412
Bryan City of.....	Ohio	ECAR	EIA-412
Bryan City of.....	Texas	ERCOT	EIA-412
Burbank City of.....	California	WSCC	EIA-412
Burlington City of.....	Vermont	NPCC	EIA-412
Calhoun City of.....	Georgia	SERC	EIA-412
Camden City of.....	South Carolina	SERC	EIA-412
Carroll County.....	Tennessee	SERC	EIA-412
Cartersville City of.....	Georgia	SERC	EIA-412
Carthage City of.....	Missouri	SPP	EIA-412
Cedar Falls City of.....	Iowa	MAPP	EIA-412
Celina City of.....	Ohio	ECAR	EIA-412
Centralia City of.....	Washington	WSCC	EIA-412
Chambersburg Borough of.....	Pennsylvania	ECAR	EIA-412
Chanute City of.....	Kansas	SPP	EIA-412
Chaska City of.....	Minnesota	MAPP	EIA-412
Chattanooga City of.....	Tennessee	SERC	EIA-412
Chicopee City of.....	Massachusetts	NPCC	EIA-412
Claremore City of.....	Oklahoma	SPP	EIA-412
Clarksdale City of.....	Mississippi	SPP	EIA-412
Clarksville City of.....	Tennessee	SERC	EIA-412
Clarksville Light & Water Co.....	Arkansas	SPP	EIA-412
Cleveland City of.....	Tennessee	SERC	EIA-412
Cleveland City of.....	Ohio	ECAR	EIA-412
Clinton City of.....	Tennessee	SERC	EIA-412
Clyde City of.....	Ohio	ECAR	EIA-412
Coffeyville City of.....	Kansas	SPP	EIA-412
Coldwater Board of Public Util.....	Michigan	ECAR	EIA-412
College Park City of.....	Georgia	SERC	EIA-412
College Station City of.....	Texas	ERCOT	EIA-412
Colorado Springs City of.....	Colorado	WSCC	EIA-412

See footnotes at end of table.

Table B4. Municipal Utilities, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Colton City of	California	WSCC	EIA-412
Columbia City of	Tennessee	SERC	EIA-412
Columbia City of	Missouri	MAIN	EIA-412
Columbus City of	Ohio	ECAR	EIA-412
Columbus City of	Mississippi	SERC	EIA-412
Concord City of	North Carolina	SERC	EIA-412
Concord Town of	Massachusetts	NPCC	EIA-412
Connecticut Mun Elec Engy Coop	Connecticut	NPCC	EIA-412
Conway Corp	Arkansas	SPP	EIA-412
Cookeville City of	Tennessee	SERC	EIA-412
Covington City of	Georgia	SERC	EIA-412
Covington Electric System	Tennessee	SERC	EIA-412
Crawfordsville Elec Lgt&Pwr Co	Indiana	ECAR	EIA-412
Cullman Power Board	Alabama	SERC	EIA-412
Cuyahoga Falls City of	Ohio	ECAR	EIA-412
Dalton City of	Georgia	SERC	EIA-412
Danvers Town of	Massachusetts	NPCC	EIA-412
Danville City of	Virginia	ECAR	EIA-412
Dayton City of	Tennessee	SERC	EIA-412
Decatur City of	Alabama	SERC	EIA-412
Denton City of	Texas	ERCOT	EIA-412
Detroit City of	Michigan	ECAR	EIA-412
Dickson City of	Tennessee	SERC	EIA-412
Dothan City of	Alabama	SERC	EIA-412
Douglas City of	Georgia	SERC	EIA-412
Dover City of	Delaware	MAAC	EIA-412
Dover City of	Ohio	ECAR	EIA-412
Duncan City of	Oklahoma	SPP	EIA-412
Dyersburg Electric System	Tennessee	SERC	EIA-412
Easley Combined Utility System	South Carolina	SERC	EIA-412
East Point City of	Georgia	SERC	EIA-412
Easton Utilities Comm	Maryland	MAAC	EIA-412
Edmond City of	Oklahoma	SPP	EIA-412
Elizabeth City City of	North Carolina	SERC	EIA-412
Elizabethton City of	Tennessee	SERC	EIA-412
Ellensburg City of	Washington	WSCC	EIA-412
Erwin Town of	Tennessee	SERC	EIA-412
Etowah City of	Tennessee	SERC	EIA-412
Eugene City of	Oregon	WSCC	EIA-412
Fairbanks City of	Alaska	ASCC	EIA-412
Fairmont Public Utilities Comm	Minnesota	MAPP	EIA-412
Fairport Village of	New York	NPCC	EIA-412
Farmington City of	New Mexico	WSCC	EIA-412
Fayetteville City of	Tennessee	SERC	EIA-412
Fayetteville Public Works Comm	North Carolina	SERC	EIA-412
Fitzgerald Wtr Lgt & Bond Comm	Georgia	SERC	EIA-412
Florence City of	Alabama	SERC	EIA-412
Floresville City of	Texas	ERCOT	EIA-412
Florida Municipal Power Agency	Florida	SERC	EIA-412
Foley City of (Riviera Utils)	Alabama	SERC	EIA-412
Forest City Town of	North Carolina	SERC	EIA-412
Forest Grove City of	Oregon	WSCC	EIA-412
Fort Collins City of	Colorado	WSCC	EIA-412
Fort Morgan City of	Colorado	WSCC	EIA-412
Fort Payne Improvement Auth	Alabama	SERC	EIA-412
Fort Pierce Utilities Auth	Florida	SERC	EIA-412
Frankfort City of	Indiana	ECAR	EIA-412
Frankfort City of	Kentucky	ECAR	EIA-412
Franklin City of	Kentucky	SERC	EIA-412
Freeport Village of Inc	New York	NPCC	EIA-412
Fremont City of	Nebraska	MAPP	EIA-412
Gaffney City of	South Carolina	SERC	EIA-412
Gainesville Regional Utilities	Florida	SERC	EIA-412
Gallatin City of	Tennessee	SERC	EIA-412
Gallup City of	New Mexico	WSCC	EIA-412
Garden City City of	Kansas	SPP	EIA-412
Garland City of	Texas	ERCOT	EIA-412
Gastonia City of	North Carolina	SERC	EIA-412
Geneva City of	Illinois	MAIN	EIA-412
Georgetown City of	Texas	ERCOT	EIA-412
Gillette City of	Wyoming	WSCC	EIA-412
Glasgow City of	Kentucky	SERC	EIA-412
Glendale City of	California	WSCC	EIA-412
Grand Haven City of	Michigan	ECAR	EIA-412
Grand Island City of	Nebraska	MAPP	EIA-412
Greenville City of	Tennessee	SERC	EIA-412

See footnotes at end of table.

Table B4. Municipal Utilities, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Greenfield City of.....	Indiana	ECAR	EIA-412
Greenville City of.....	Texas	ERCOT	EIA-412
Greenville Utilities Comm.....	North Carolina	SERC	EIA-412
Greenwood Commissioners-Pub Wk.....	South Carolina	SERC	EIA-412
Greenwood Utilities Comm.....	Mississippi	SPP	EIA-412
Greer Comm of Public Works.....	South Carolina	SERC	EIA-412
Griffin City of.....	Georgia	SERC	EIA-412
Groton City of.....	Connecticut	NPCC	EIA-412
Guntersville Electric Board.....	Alabama	SERC	EIA-412
Hagerstown City of.....	Maryland	ECAR	EIA-412
Hamilton City of.....	Ohio	ECAR	EIA-412
Hannibal City of.....	Missouri	MAIN	EIA-412
Harriman City of.....	Tennessee	SERC	EIA-412
Harrisonburg City of.....	Virginia	SERC	EIA-412
Hartselle City of.....	Alabama	SERC	EIA-412
Hastings City of.....	Nebraska	MAPP	EIA-412
Henderson City Utility Comm.....	Kentucky	ECAR	EIA-412
High Point Town of.....	North Carolina	SERC	EIA-412
Hillsdale Board of Public Wks.....	Michigan	ECAR	EIA-412
Hingham City of.....	Massachusetts	NPCC	EIA-412
Holland City of.....	Michigan	ECAR	EIA-412
Holly Springs City of.....	Mississippi	SERC	EIA-412
Holyoke City of.....	Massachusetts	NPCC	EIA-412
Homestead City of.....	Florida	SERC	EIA-412
Hope City of.....	Arkansas	SPP	EIA-412
Hopkinsville City of.....	Kentucky	SERC	EIA-412
Hudson Town of.....	Massachusetts	NPCC	EIA-412
Humboldt City of.....	Tennessee	SERC	EIA-412
Huntsville City of.....	Alabama	SERC	EIA-412
Hutchinson Utilities Comm.....	Minnesota	MAPP	EIA-412
Idaho Falls City of.....	Idaho	WSCC	EIA-412
Illinois Municipal Elec Agency.....	Illinois	MAIN	EIA-412
Independence City of.....	Missouri	SPP	EIA-412
Intermountain Power Agency.....	Utah	WSCC	EIA-412
Jackson City of.....	Tennessee	SERC	EIA-412
Jacksonville Beach City of.....	Florida	SERC	EIA-412
Jacksonville Electric Auth.....	Florida	SERC	EIA-412
Jamestown City of.....	New York	NPCC	EIA-412
Jasper City of.....	Indiana	ECAR	EIA-412
Jefferson City of.....	Wisconsin	MAPP	EIA-412
Johnson City City of.....	Tennessee	SERC	EIA-412
Jonesboro City of.....	Arkansas	SPP	EIA-412
Kaukauna City of.....	Wisconsin	MAIN	EIA-412
Kennett City of.....	Missouri	SPP	EIA-412
Kerrville Public Utility Board.....	Texas	ERCOT	EIA-412
Ketchikan City of.....	Alaska	ASCC	EIA-412
Key West City of.....	Florida	SERC	EIA-412
Kinston City of.....	North Carolina	SERC	EIA-412
Kirkwood City of.....	Missouri	MAIN	EIA-412
Kissimmee Utility Authority.....	Florida	SERC	EIA-412
Knoxville Utilities Board.....	Tennessee	SERC	EIA-412
La Grange City of.....	Georgia	SERC	EIA-412
Lafayette City of.....	Louisiana	SPP	EIA-412
Lafayette Public Power Auth.....	Louisiana	SPP	EIA-412
Lake Placid Village Inc.....	New York	NPCC	EIA-412
Lake Worth City of.....	Florida	SERC	EIA-412
Lakeland City of.....	Florida	SERC	EIA-412
Lansdale Borough of.....	Pennsylvania	MAAC	EIA-412
Lansing City of.....	Michigan	ECAR	EIA-412
Lassen Municipal Utility Dist.....	California	WSCC	EIA-412
Lawrenceburg City of.....	Tennessee	SERC	EIA-412
Lawrenceville City of.....	Georgia	SERC	EIA-412
LaFollette City of.....	Tennessee	SERC	EIA-412
Lebanon City of.....	Tennessee	SERC	EIA-412
Lebanon City of.....	Missouri	SPP	EIA-412
Leesburg City of.....	Florida	SERC	EIA-412
Lenoir City City of.....	Tennessee	SERC	EIA-412
Lewisburg City of.....	Tennessee	SERC	EIA-412
Lexington City of.....	North Carolina	SERC	EIA-412
Lexington City of.....	Tennessee	SERC	EIA-412
Lincoln Electric System.....	Nebraska	MAPP	EIA-412
Littleton Town of.....	Massachusetts	NPCC	EIA-412
Lodi City of.....	California	WSCC	EIA-412
Logan City of.....	Utah	WSCC	EIA-412
Logansport City of.....	Indiana	ECAR	EIA-412
Longmont City of.....	Colorado	WSCC	EIA-412

See footnotes at end of table.

Table B4. Municipal Utilities, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Los Alamos County.....	New Mexico	WSCC	EIA-412
Los Angeles City of.....	California	WSCC	EIA-412
Loudon City of.....	Tennessee	SERC	EIA-412
Louisville Electric System.....	Mississippi	SERC	EIA-412
Loveland City of.....	Colorado	WSCC	EIA-412
Lubbock City of.....	Texas	SPP	EIA-412
Lumberton City of.....	North Carolina	SERC	EIA-412
Madisonville Municipal Utils.....	Kentucky	ECAR	EIA-412
Manassas City of.....	Virginia	SERC	EIA-412
Manitowoc Public Utilities.....	Wisconsin	MAIN	EIA-412
Mansfield Town of.....	Massachusetts	NPCC	EIA-412
Marietta City of.....	Georgia	SERC	EIA-412
Marquette City of.....	Michigan	MAIN	EIA-412
Marshall City of.....	Minnesota	MAPP	EIA-412
Marshall City of.....	Missouri	SPP	EIA-412
Marshfield City of.....	Wisconsin	MAIN	EIA-412
Martinsville City of.....	Virginia	ECAR	EIA-412
Maryville Utilities.....	Tennessee	SERC	EIA-412
Massena Town of.....	New York	NPCC	EIA-412
Mayfield City of.....	Kentucky	ECAR	EIA-412
McMinnville City of.....	Oregon	WSCC	EIA-412
McMinnville Electric System.....	Tennessee	SERC	EIA-412
McPherson City of.....	Kansas	SPP	EIA-412
Memphis City of.....	Tennessee	SERC	EIA-412
Menasha City of.....	Wisconsin	MAIN	EIA-412
Mesa City of.....	Arizona	WSCC	EIA-412
Metropolitan Water District.....	California	WSCC	EIA-412
Miami City of.....	Oklahoma	SPP	EIA-412
Middleborough Town of.....	Massachusetts	NPCC	EIA-412
Milan City of.....	Tennessee	SERC	EIA-412
Milford City of.....	Delaware	MAAC	EIA-412
Mishawaka City of.....	Indiana	ECAR	EIA-412
Monett City of.....	Missouri	SPP	EIA-412
Monroe City of.....	North Carolina	SERC	EIA-412
Moorhead City of.....	Minnesota	MAPP	EIA-412
Morgan City City of.....	Louisiana	SPP	EIA-412
Morganton City of.....	North Carolina	SERC	EIA-412
Morristown City of.....	Tennessee	SERC	EIA-412
Moultrie City of.....	Georgia	SERC	EIA-412
Municipal Energy Agency of MS.....	Mississippi	SPP	EIA-412
Murfreesboro City of.....	Tennessee	SERC	EIA-412
Murphy City of.....	North Carolina	SERC	EIA-412
Murray City of.....	Utah	WSCC	EIA-412
Murray City of.....	Kentucky	SERC	EIA-412
Muscatine City of.....	Iowa	MAPP	EIA-412
Muscle Shoals City of.....	Alabama	SERC	EIA-412
Naperville City of.....	Illinois	MAIN	EIA-412
Napoleon City of.....	Ohio	ECAR	EIA-412
Nashville Electric Service.....	Tennessee	SERC	EIA-412
Natchitoches City of.....	Louisiana	SPP	EIA-412
New Albany City of.....	Mississippi	SERC	EIA-412
New Bern City of.....	North Carolina	SERC	EIA-412
New Braunfels City of.....	Texas	ERCOT	EIA-412
New London City of.....	Wisconsin	MAIN	EIA-412
New Smyrna Beach Utils Comm.....	Florida	SERC	EIA-412
New Ulm Public Utilities Comm.....	Minnesota	MAPP	EIA-412
Newark City of.....	Delaware	MAAC	EIA-412
Newberry City of.....	South Carolina	SERC	EIA-412
Newport City of.....	Tennessee	SERC	EIA-412
Niles City of.....	Ohio	ECAR	EIA-412
North Attleborough Town of.....	Massachusetts	NPCC	EIA-412
North Carolina Eastern M P A.....	North Carolina	SERC	EIA-412
North Carolina Mun Power Agny.....	North Carolina	SERC	EIA-412
North Little Rock City of.....	Arkansas	SPP	EIA-412
North Platte City of.....	Nebraska	MAPP	EIA-412
Norwich City of.....	Connecticut	NPCC	EIA-412
Norwood City of.....	Massachusetts	NPCC	EIA-412
Oak Ridge City of.....	Tennessee	SERC	EIA-412
Ocala City of.....	Florida	SERC	EIA-412
Oconomowoc City of.....	Wisconsin	MAIN	EIA-412
Opelika City of.....	Alabama	SERC	EIA-412
Orangeburg City of.....	South Carolina	SERC	EIA-412
Orlando Utilities Comm.....	Florida	SERC	EIA-412
Orrville City of.....	Ohio	ECAR	EIA-412
Osceola City of.....	Arkansas	SPP	EIA-412
Owatonna City of.....	Minnesota	MAPP	EIA-412

See footnotes at end of table.

Table B4. Municipal Utilities, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Owensboro City of.....	Kentucky	ECAR	EIA-412
Oxford City of	Mississippi	SERC	EIA-412
Paducah City of	Kentucky	ECAR	EIA-412
Painesville City of	Ohio	ECAR	EIA-412
Palo Alto City of	California	WSCC	EIA-412
Paragould Light & Water Comm.....	Arkansas	SPP	EIA-412
Paris City of	Tennessee	SERC	EIA-412
Pasadena City of	California	WSCC	EIA-412
Peabody City of	Massachusetts	NPCC	EIA-412
Pella City of	Iowa	MAPP	EIA-412
Peru City of	Indiana	ECAR	EIA-412
Piedmont Municipal Power Agny	South Carolina	SERC	EIA-412
Pierre City of	South Dakota	MAPP	EIA-412
Piqua City of	Ohio	ECAR	EIA-412
Plattsburgh City of	New York	NPCC	EIA-412
Plymouth City of	Wisconsin	MAIN	EIA-412
Ponca City City of	Oklahoma	SPP	EIA-412
Poplar Bluff City of	Missouri	SPP	EIA-412
Port Angeles City of	Washington	WSCC	EIA-412
Provo City Corp.....	Utah	WSCC	EIA-412
Pulaski City of	Tennessee	SERC	EIA-412
Radford City of	Virginia	ECAR	EIA-412
Reading Town of	Massachusetts	NPCC	EIA-412
Redding City of	California	WSCC	EIA-412
Reedsburg Utility Comm.....	Wisconsin	MAPP	EIA-412
Richland City of	Washington	WSCC	EIA-412
Richmond City of	Indiana	ECAR	EIA-412
Ripley City of	Tennessee	SERC	EIA-412
Riverside City of	California	WSCC	EIA-412
Rochelle Municipal Utilities.....	Illinois	MAIN	EIA-412
Rochester Public Utilities	Minnesota	MAPP	EIA-412
Rock Hill City of	South Carolina	SERC	EIA-412
Rockville Centre Village of	New York	NPCC	EIA-412
Rockwood City of	Tennessee	SERC	EIA-412
Rocky Mount City of	North Carolina	SERC	EIA-412
Rolla City of	Missouri	SPP	EIA-412
Roseville City of	California	WSCC	EIA-412
Ruston City of	Louisiana	SPP	EIA-412
Salem City of	Virginia	ECAR	EIA-412
San Antonio City of	Texas	ERCOT	EIA-412
San Francisco City & County of.....	California	WSCC	EIA-412
San Marcos City of	Texas	ERCOT	EIA-412
Santa Clara City of	California	WSCC	EIA-412
Scottsboro City of	Alabama	SERC	EIA-412
Seattle City of	Washington	WSCC	EIA-412
Seguin City of	Texas	ERCOT	EIA-412
Seneca City of	South Carolina	SERC	EIA-412
Sevier County Electric System.....	Tennessee	SERC	EIA-412
Shakopee Public Utilities Comm	Minnesota	MAPP	EIA-412
Shawano Municipal Utilities	Wisconsin	MAIN	EIA-412
Sheboygan Falls City of	Wisconsin	MAIN	EIA-412
Sheffield Utilities	Alabama	SERC	EIA-412
Shelby City of	North Carolina	SERC	EIA-412
Shelbyville City of	Tennessee	SERC	EIA-412
Shrewsbury Town of	Massachusetts	NPCC	EIA-412
Sikeston City of	Missouri	SPP	EIA-412
Siloam Springs City of	Arkansas	SPP	EIA-412
Solvay Village of	New York	NPCC	EIA-412
Springfield City of	Illinois	MAIN	EIA-412
Springfield City of	Tennessee	SERC	EIA-412
Springfield City of	Missouri	SPP	EIA-412
Springfield City of	Oregon	WSCC	EIA-412
St Charles City of	Illinois	MAIN	EIA-412
St Cloud City of	Florida	SERC	EIA-412
St George City of	Utah	WSCC	EIA-412
St Marys City of	Ohio	ECAR	EIA-412
Starkville City of	Mississippi	SERC	EIA-412
Statesville City of	North Carolina	SERC	EIA-412
Stillwater Utilities Authority	Oklahoma	SPP	EIA-412
Sturgeon Bay Combined Utilis.....	Wisconsin	MAIN	EIA-412
Sturgis City of	Michigan	ECAR	EIA-412
Sun Prairie Water & Light Comm.....	Wisconsin	MAIN	EIA-412
Sweetwater City of	Tennessee	SERC	EIA-412
Sylacauga Utilities Board	Alabama	SERC	EIA-412
Tacoma City of	Washington	WSCC	EIA-412
Tallahassee City of	Florida	SERC	EIA-412

See footnotes at end of table.

Table B4. Municipal Utilities, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Tarboro Town of.....	North Carolina	SERC	EIA-412
Taunton City of.....	Massachusetts	NPCC	EIA-412
Terrebonne Parish Consol Gov	Louisiana	SPP	EIA-412
Texas Municipal Power Agency	Texas	ERCOT	EIA-412
Thomasville City of.....	Georgia	SERC	EIA-412
Traverse City City of.....	Michigan	ECAR	EIA-412
Troy City of.....	Alabama	SERC	EIA-412
Tullahoma Board of Pub Utils.....	Tennessee	SERC	EIA-412
Tupelo City of.....	Mississippi	SERC	EIA-412
Turlock Irrigation District	California	WSCC	EIA-412
Tuskegee City of.....	Alabama	SERC	EIA-412
Union City City of.....	Tennessee	SERC	EIA-412
Vernon City of.....	California	WSCC	EIA-412
Vero Beach City of.....	Florida	SERC	EIA-412
Vineland City of	New Jersey	MAAC	EIA-412
Wadsworth City of.....	Ohio	ECAR	EIA-412
Wakefield Town of.....	Massachusetts	NPCC	EIA-412
Wallingford Town of.....	Connecticut	NPCC	EIA-412
Wapakoneta City of.....	Ohio	ECAR	EIA-412
Washington City of.....	Indiana	ECAR	EIA-412
Washington City of.....	North Carolina	SERC	EIA-412
Watertown Municipal Utilities.....	South Dakota	MAPP	EIA-412
Weakley County Mun Elec Sys	Tennessee	SERC	EIA-412
Weatherford Mun Utility System.....	Texas	ERCOT	EIA-412
Wellesley Town of.....	Massachusetts	NPCC	EIA-412
West Memphis City of.....	Arkansas	SPP	EIA-412
West Point City of.....	Mississippi	SERC	EIA-412
Western Minnesota Mun Pwr Agny	Minnesota	MAPP	EIA-412
Westerville City of.....	Ohio	ECAR	EIA-412
Westfield City of.....	Massachusetts	NPCC	EIA-412
Willmar Municipal Utils Comm	Minnesota	MAPP	EIA-412
Wilson City of.....	North Carolina	SERC	EIA-412
Winfield City of.....	Kansas	SPP	EIA-412
Wisconsin Public Power Inc Sys	Wisconsin	MAIN	EIA-412
Wisconsin Rapids W W & L Comm.....	Wisconsin	MAPP	EIA-412
Worthington Public Utilities.....	Minnesota	MAPP	EIA-412
Wyandotte Municipal Serv Comm.....	Michigan	ECAR	EIA-412
Zeeland City of.....	Michigan	ECAR	EIA-412

¹ The State in which the municipality is located.

² The principal North American Electric Reliability Council region in which the utility operates. See glossary for a list of all regions.

³ Source of data for this publication

Sources: •Energy Information Administration, Form EIA-412, "Annual Report of Public Electric Utilities." •Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table B5. Cooperative Borrowers, 1994

Utility	State ¹	NERC Region ²	Survey Form ³
A & N Electric Coop	Virginia	MAAC	RUS-7
Adams County Coop Electric Co	Iowa	MAPP	RUS-7
Adams Electric Coop Inc.....	Pennsylvania	MAAC	RUS-7
Adams Electrical Coop	Illinois	MAIN	RUS-7
Adams Rural Electric Coop Inc.....	Ohio	ECAR	RUS-7
Adams-Columbia Electric Coop	Wisconsin	MAIN	RUS-7
Agralite Coop	Minnesota	MAPP	RUS-7
Aiken Electric Coop Inc	South Carolina	SERC	RUS-7
Alabama Electric Coop Inc.....	Alabama	SERC	RUS-12
Alaska Electric G & T Coop Inc.....	Alaska	ASCC	RUS-12
Albemarle Electric Member Corp.....	North Carolina	SERC	RUS-7
Alfalfa Electric Coop Inc.....	Oklahoma	SPP	RUS-7
Alger-Delta Coop Electric Assn	Michigan	ECAR	RUS-7
Allamakee-Clayton El Coop Inc.....	Iowa	MAPP	RUS-7
Allegheny Electric Coop Inc.....	Pennsylvania	MAAC	RUS-12
Altamaha Electric Member Corp	Georgia	SERC	RUS-7
Amicalola Electric Member Corp.....	Georgia	SERC	RUS-7
Anoka Electric Coop.....	Minnesota	MAPP	RUS-7
Anza Electric Coop Inc.....	California	WSCC	RUS-7
Appalachian Electric Coop	Tennessee	SERC	RUS-7
Arab Electric Coop Inc	Alabama	SERC	RUS-7
Arizona Electric Pwr Coop Inc.....	Arizona	WSCC	RUS-12
Ark Valley Elec Coop Assn Inc	Kansas	SPP	RUS-7
Arkansas Electric Coop Corp	Arkansas	SPP	RUS-12
Arkansas Valley Elec Coop Corp.....	Arkansas	SPP	RUS-7
Arrowhead Electric Coop Inc	Minnesota	MAPP	RUS-7
Ashley Chicot Elec Coop Inc	Arkansas	SPP	RUS-7
Associated Electric Coop Inc.....	Missouri	SPP	RUS-12
Atchison-Holt Electric Coop.....	Missouri	SPP	RUS-7
B-K Electric Coop Inc	Texas	ERCOT	RUS-7
Bailey County Elec Coop Assn.....	Texas	SPP	RUS-7
Baker Electric Coop Inc.....	North Dakota	MAPP	RUS-7
Baldwin County El Member Corp.....	Alabama	SERC	RUS-7
Barron Electric Coop.....	Wisconsin	MAPP	RUS-7
Barry Electric Coop.....	Missouri	MAIN	RUS-7
Bartlett Electric Coop Inc	Texas	ERCOT	RUS-7
Barton County Elec Coop Inc.....	Missouri	SPP	RUS-7
Basin Electric Power Coop.....	North Dakota	WSCC	RUS-12
Bayfield Electric Coop Inc	Wisconsin	MAPP	RUS-7
Beadle Electric Coop Inc.....	South Dakota	MAPP	RUS-7
Beartooth Electric Coop Inc	Montana	WSCC	RUS-7
Bedford Rural Elec Coop Inc	Pennsylvania	MAAC	RUS-7
Befalls Electric Coop Inc.....	Texas	ERCOT	RUS-7
Beltrami Electric Coop Inc	Minnesota	MAPP	RUS-7
Benton County Elec Coop Assn.....	Iowa	MAPP	RUS-7
Benton Rural Electric Assn.....	Washington	WSCC	RUS-7
Berkeley Electric Coop Inc.....	South Carolina	SERC	RUS-7
Big Bend Electric Coop Inc.....	Washington	WSCC	RUS-7
Big Flat Electric Coop Inc.....	Montana	WSCC	RUS-7
Big Horn County Elec Coop Inc	Montana	WSCC	RUS-7
Big Horn Rural Electric Co	Wyoming	WSCC	RUS-7
Big Rivers Electric Corp.....	Kentucky	ECAR	RUS-12
Big Sandy Rural Elec Coop Corp	Kentucky	ECAR	RUS-7
Blachly-Lane Cnty Coop El Assn	Oregon	WSCC	RUS-7
Black Hills Electric Coop Inc.....	South Dakota	MAPP	RUS-7
Black River Electric Coop	Missouri	MAIN	RUS-7
Black River Electric Coop Inc.....	South Carolina	SERC	RUS-7
Black Warrior Elec Member Corp	Alabama	SERC	RUS-7
Blue Earth-Nicollet-Faribault	Minnesota	MAPP	RUS-7
Blue Grass Rural El Coop Corp.....	Kentucky	ECAR	RUS-7
Blue Ridge Elec Member Corp	North Carolina	SERC	RUS-7
Blue Ridge Electric Coop Inc.....	South Carolina	SERC	RUS-7
Blue Ridge Mountain E M C	Georgia	SERC	RUS-7
Bon Homme Yankton El Assn Inc.....	South Dakota	MAPP	RUS-7
Boone County Rural E M C.....	Indiana	ECAR	RUS-7
Boone Electric Coop	Missouri	MAIN	RUS-7
Bowie-Cass Electric Coop Inc	Texas	SPP	RUS-7
Brazos Electric Power Coop Inc.....	Texas	ERCOT	RUS-12
Bridger Valley Elec Assn Inc.....	Wyoming	WSCC	RUS-7
Broad River Electric Coop Inc	South Carolina	SERC	RUS-7
Brown County Rural Elec Assn	Minnesota	MAPP	RUS-7
Brown-Atchison E C A Inc	Kansas	SPP	RUS-7
Brunswick Electric Member Corp	North Carolina	SERC	RUS-7
Buchanan County Rrl Elec Coop	Iowa	MAPP	RUS-7
Buckeye Power Inc	Ohio	ECAR	RUS-12
Buckeye Rural Elec Coop Inc	Ohio	ECAR	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Buffalo Electric Coop	Wisconsin	MAPP	RUS-7
Burke-Divide Electric Coop Inc	North Dakota	MAPP	RUS-7
Butler County Rural Elec Coop.....	Iowa	MAPP	RUS-7
Butler Rural El Coop Assn Inc.....	Kansas	SPP	RUS-7
Butler Rural Electric Coop Inc	Ohio	ECAR	RUS-7
Butte Electric Coop Inc.....	South Dakota	MAPP	RUS-7
BARC Electric Coop Inc	Virginia	SERC	RUS-7
C & L Electric Coop Corp	Arkansas	SPP	RUS-7
C & W Rural Elec Coop Assn Inc.....	Kansas	SPP	RUS-7
Caddo Electric Coop Inc.....	Oklahoma	SPP	RUS-7
Cajun Electric Power Coop Inc	Louisiana	SPP	RUS-12
Calhoun County Elec Coop Assn	Iowa	MAPP	RUS-7
Callaway Electric Coop.....	Missouri	SPP	RUS-7
Cam Wal Electric Coop Inc.....	South Dakota	MAPP	RUS-7
Canadian Valley Elec Coop Inc	Oklahoma	SPP	RUS-7
Caney Fork Electric Coop Inc	Tennessee	SERC	RUS-7
Caney Valley El Coop Assn Inc.....	Kansas	SPP	RUS-7
Canoochee Electric Member Corp.....	Georgia	SERC	RUS-7
Cape Hatteras Elec Member Corp.....	North Carolina	SERC	RUS-7
Capital Electric Coop Inc.....	North Dakota	MAPP	RUS-7
Carbon Power & Light Inc	Wyoming	WSCC	RUS-7
Carlton County Coop Power Assn	Minnesota	MAPP	RUS-7
Carroll Electric Coop Corp.....	Arkansas	SPP	RUS-7
Carroll Electric Coop Inc.....	Ohio	ECAR	RUS-7
Carroll Electric Member Corp.....	Georgia	SERC	RUS-7
Carteret-Craven El Member Corp.....	North Carolina	SERC	RUS-7
Cass County Electric Coop Inc.....	North Dakota	MAPP	RUS-7
Cavalier Rural Elec Coop Inc.....	North Dakota	MAPP	RUS-7
Cedar Valley Electric Coop.....	Iowa	MAPP	RUS-7
Central Alabama Electric Coop	Alabama	SERC	RUS-7
Central Electric Coop Inc	Oregon	WSCC	RUS-7
Central Electric Coop Inc	Pennsylvania	MAAC	RUS-7
Central Electric Member Corp.....	North Carolina	SERC	RUS-7
Central Electric Power Assn	Mississippi	SERC	RUS-7
Central Electric Power Coop	Missouri	MAIN	RUS-12
Central Electric Pwr Coop Inc.....	South Carolina	SERC	RUS-12
Central Florida Elec Coop Inc.....	Florida	SERC	RUS-7
Central Georgia El Member Corp	Georgia	SERC	RUS-7
Central Iowa Power Coop.....	Iowa	MAPP	RUS-12
Central Missouri Elec Coop Inc	Missouri	MAIN	RUS-7
Central New Mexico El Coop Inc.....	New Mexico	WSCC	RUS-7
Central Power Elec Coop Inc	North Dakota	MAPP	RUS-12
Central Rural Electric Coop.....	Oklahoma	SPP	RUS-7
Central Texas Elec Coop Inc	Texas	ERCOT	RUS-7
Central Valley Elec Coop Inc.....	New Mexico	SPP	RUS-7
Central Virginia Electric Coop	Virginia	SERC	RUS-7
Central Wisconsin Elec Coop.....	Wisconsin	MAIN	RUS-7
Chariton Valley Elec Coop Inc.....	Iowa	MAPP	RUS-7
Charles Mix Electric Assn Inc.....	South Dakota	MAPP	RUS-7
Cherokee County Elec Coop Assn	Texas	ERCOT	RUS-7
Cherokee Electric Coop	Alabama	SERC	RUS-7
Cherry-Todd Electric Coop Inc	South Dakota	MAPP	RUS-7
Cherryland Electric Coop Inc	Michigan	ECAR	RUS-7
Chickasaw Electric Coop Inc.....	Tennessee	SERC	RUS-7
Chippewa Valley Electric Coop	Wisconsin	MAPP	RUS-7
Choctaw Electric Coop Inc	Oklahoma	SPP	RUS-7
Choctawhatche Elec Coop Inc.....	Florida	SERC	RUS-7
Choptank Electric Coop Inc.....	Maryland	MAAC	RUS-7
Cimarron Electric Coop	Oklahoma	SPP	RUS-7
Citizens Electric Corp	Missouri	SPP	RUS-7
Claiborne Electric Coop Inc	Louisiana	SPP	RUS-7
Clark Electric Coop.....	Wisconsin	MAPP	RUS-7
Clark Rural Electric Coop Corp	Kentucky	ECAR	RUS-7
Clarke Electric Coop Inc.....	Iowa	MAPP	RUS-7
Clarke-Washington E M C	Alabama	SERC	RUS-7
Claverack Rural Elec Coop Inc	Pennsylvania	MAAC	RUS-7
Clay County Electric Coop Corp.....	Arkansas	SPP	RUS-7
Clay Electric Coop Inc.....	Illinois	MAIN	RUS-7
Clay Electric Coop Inc.....	Florida	SERC	RUS-7
Clay-Union Electric Corp	South Dakota	MAPP	RUS-7
Clearwater Power Co	Idaho	WSCC	RUS-7
Clearwater-Polk Elec Coop Inc	Minnesota	MAPP	RUS-7
Clinton County Elec Coop Inc	Illinois	MAIN	RUS-7
Cloverland Electric Coop.....	Michigan	ECAR	RUS-7
Coahoma Electric Power Assn	Mississippi	SPP	RUS-7
Coast Electric Power Assn.....	Mississippi	SERC	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Coastal Electric Coop Inc	South Carolina	SERC	RUS-7
Coastal Electric Member Corp	Georgia	SERC	RUS-7
Cobb Electric Membership Corp	Georgia	SERC	RUS-7
Codington-Clark Elec Coop Inc	South Dakota	MAPP	RUS-7
Coleman County Elec Coop Inc	Texas	ERCOT	RUS-7
Coles-Moultrie Electric Coop	Illinois	MAIN	RUS-7
Colquitt Electric Members Corp	Georgia	SERC	RUS-7
Columbia Basin Elec Coop Inc	Oregon	WSCC	RUS-7
Columbia Power Coop Assn Inc	Oregon	WSCC	RUS-7
Columbia Rural Elec Assn Inc	Washington	WSCC	RUS-7
Columbus Electric Coop Inc	New Mexico	WSCC	RUS-7
Comanche County Elec Coop Assn	Texas	ERCOT	RUS-7
Community Electric Coop	Virginia	SERC	RUS-7
Concho Valley Elec Coop Inc	Texas	ERCOT	RUS-7
Concordia Electric Coop Inc	Louisiana	SPP	RUS-7
Consolidated Electric Coop	Missouri	SPP	RUS-7
Consumers Power Inc	Oregon	WSCC	RUS-7
Continental Divide El Coop Inc	New Mexico	WSCC	RUS-7
Cookson Hills Elec Coop Inc	Oklahoma	SPP	RUS-7
Coop L & P Assn of Lake County	Minnesota	MAPP	RUS-7
Coop Power Assn	Minnesota	MAPP	RUS-12
Coos-Curry Electric Coop Inc	Oregon	WSCC	RUS-7
Coosa Valley Electric Coop Inc	Alabama	SERC	RUS-7
Copper Valley Elec Assn Inc	Alaska	ASCC	RUS-7
Corn Belt Electric Coop Inc	Illinois	MAIN	RUS-7
Corn Belt Power Coop	Iowa	MAPP	RUS-12
Cotton Electric Coop Inc	Oklahoma	SPP	RUS-7
Covington Electric Coop Inc	Alabama	SERC	RUS-7
Coweta-Fayette El Member Corp	Georgia	SERC	RUS-7
Craig-Botetourt Electric Coop	Virginia	ECAR	RUS-7
Craighead Electric Coop Corp	Arkansas	SPP	RUS-7
Crawford Electric Coop	Wisconsin	MAPP	RUS-7
Crawford Electric Coop Inc	Missouri	SPP	RUS-7
Crescent Electric Member Corp	North Carolina	SERC	RUS-7
Crow Wing Coop Power&Light Co	Minnesota	MAPP	RUS-7
Cullman Electric Coop Inc	Alabama	SERC	RUS-7
Cumberland Elec Member Corp	Tennessee	SERC	RUS-7
Cumberland Valley Rural E C C	Kentucky	SERC	RUS-7
CMS Electric Coop Inc	Kansas	SPP	RUS-7
CO-MO Electric Coop Inc	Missouri	MAIN	RUS-7
D S & O Rural E C A Inc	Kansas	SPP	RUS-7
Dairyland Electric Coop Inc	Minnesota	MAPP	RUS-7
Dairyland Power Coop	Wisconsin	MAPP	RUS-12
Dakota Electric Assn	Minnesota	MAPP	RUS-7
Darke Rural Electric Coop Inc	Ohio	ECAR	RUS-7
Davidson Electric Member Corp	North Carolina	SERC	RUS-7
Daviess Martin County R E M C	Indiana	ECAR	RUS-7
Decatur County Rural E M C	Indiana	ECAR	RUS-7
Deep East Texas Elec Coop Inc	Texas	ERCOT	RUS-7
Delaware County Elec Coop Inc	New York	NPCC	RUS-7
Delaware Electric Coop Inc	Delaware	MAAC	RUS-7
Delaware Rural Elec Coop Inc	Ohio	ECAR	RUS-7
Delta Electric Power Assn	Mississippi	SPP	RUS-7
Delta Montrose Electric Assn	Colorado	WSCC	RUS-7
Deseret Generation & Tran Coop	Utah	WSCC	RUS-12
Dewitt Electric Coop Inc	Texas	ERCOT	RUS-7
Dickens Electric Coop Inc	Texas	ERCOT	RUS-7
Dixie Electric Coop	Alabama	SERC	RUS-7
Dixie Electric Membership Corp	Louisiana	SPP	RUS-7
Dixie Electric Power Assn	Mississippi	SERC	RUS-7
Dixie Escalante R E A Inc	Utah	WSCC	RUS-7
Doniphan Elec Coop Assn Inc	Kansas	SPP	RUS-7
Douglas Electric Coop Inc	Oregon	WSCC	RUS-7
Douglas Electric Coop Inc	South Dakota	MAPP	RUS-7
Dubois Rural Electric Coop Inc	Indiana	ECAR	RUS-7
Duck River Elec Member Corp	Tennessee	SERC	RUS-7
Duncan Valley Elec Coop Inc	Arizona	WSCC	RUS-7
Dunn County Electric Coop	Wisconsin	MAPP	RUS-7
East Central Electric Assn	Minnesota	MAPP	RUS-7
East Central Okla El Coop Inc	Oklahoma	SPP	RUS-7
East Kentucky Power Coop Inc	Kentucky	ECAR	RUS-12
East Mississippi Elec Pwr Assn	Mississippi	SERC	RUS-7
East River Elec Power Coop Inc	South Dakota	MAPP	RUS-12
Eastern Illini Electric Coop	Illinois	MAIN	RUS-7
Eastern Iowa Light&Power Coop	Iowa	MAPP	RUS-7
Eastern Maine Electric Coop	Maine	NPCC	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Eau Claire Electric Coop	Wisconsin	MAPP	RUS-7
Edgecombe-Martin County E M C.....	North Carolina	SERC	RUS-7
Edisto Electric Coop Inc	South Carolina	SERC	RUS-7
Egyptian Electric Coop Assn.....	Illinois	MAIN	RUS-7
Empire Electric Assn Inc	Colorado	WSCC	RUS-7
Erath County Elec Coop Assn.....	Texas	ERCOT	RUS-7
Escambia River Elec Coop Inc.....	Florida	SERC	RUS-7
Excelsior Electric Member Corp	Georgia	SERC	RUS-7
Fairfield Electric Coop Inc	South Carolina	SERC	RUS-7
Fall River Rural Elec Coop Inc.....	Idaho	WSCC	RUS-7
Fannin County Electric Coop	Texas	ERCOT	RUS-7
Farmers Electric Coop Corp	Arkansas	SPP	RUS-7
Farmers Electric Coop Inc	Iowa	MAPP	RUS-7
Farmers Electric Coop Inc	Texas	ERCOT	RUS-7
Farmers Mutual Electric Co.....	Illinois	MAIN	RUS-7
Farmers Rural Elec Coop Corp	Kentucky	ECAR	RUS-7
Farmers ' Electric Coop Inc	Missouri	SPP	RUS-7
Farmers ' Electric Coop Inc	New Mexico	WSCC	RUS-7
Fayette Electric Coop Inc	Texas	ERCOT	RUS-7
Federated Rural Electric Assn	Minnesota	MAPP	RUS-7
Fergus Electric Coop Inc	Montana	WSCC	RUS-7
Firelands Electric Coop Inc	Ohio	ECAR	RUS-7
First Electric Coop Corp	Arkansas	SPP	RUS-7
Flathead Electric Coop Inc	Montana	WSCC	RUS-7
Fleming-Mason Rural E C C.....	Kentucky	ECAR	RUS-7
Flint Electric Membership Corp	Georgia	SERC	RUS-7
Flint Hills Rural E C A Inc	Kansas	SPP	RUS-7
Florida Keys El Coop Assn Inc.....	Florida	SERC	RUS-7
Flowell Electric Assn Inc.....	Utah	WSCC	RUS-7
Fort Loudoun Electric Coop	Tennessee	SERC	RUS-7
Four County Elec Member Corp	North Carolina	SERC	RUS-7
Fox Creek Rural Elec Coop Corp	Kentucky	ECAR	RUS-7
Fox Islands Electric Coop Inc	Maine	NPCC	RUS-7
Franklin Electric Coop	Alabama	SERC	RUS-7
Franklin Rural Electric Coop.....	Iowa	MAPP	RUS-7
Freeborn-Mower Electric Coop	Minnesota	MAPP	RUS-7
French Broad Elec Member Corp.....	North Carolina	SERC	RUS-7
Frontier Power Co	Ohio	ECAR	RUS-7
Fruit Belt Electric Coop.....	Michigan	ECAR	RUS-7
Fulton County Rural E M C.....	Indiana	ECAR	RUS-7
FEM Electric Assn Inc.....	South Dakota	MAPP	RUS-7
Garkane Power Assn Inc.....	Utah	WSCC	RUS-7
Garland Light & Power Co.....	Wyoming	WSCC	RUS-7
Gascosage Electric Coop.....	Missouri	MAIN	RUS-7
Gate City Electric Coop Inc	Texas	ERCOT	RUS-7
Gibson Electric Members Corp	Tennessee	SERC	RUS-7
Glacier Electric Coop Inc	Montana	WSCC	RUS-7
Glades Electric Coop Inc	Florida	SERC	RUS-7
Glidden Rural Electric Coop.....	Iowa	MAPP	RUS-7
Golden Valley Elec Assn Inc	Alaska	ASCC	RUS-7
Goldenwest Electric Coop Inc	Montana	WSCC	RUS-7
Goodhue County Coop Elec Assn.....	Minnesota	MAPP	RUS-7
Grady County Elec Member Corp.....	Georgia	SERC	RUS-7
Grand Electric Coop Inc	South Dakota	MAPP	RUS-7
Grand Valley Rrl Pwr Line Inc	Colorado	WSCC	RUS-7
Grant-Lafayette Electric Coop	Wisconsin	MAPP	RUS-7
Grayson Rural Elec Coop Corp.....	Kentucky	ECAR	RUS-7
Grayson-Collin Elec Coop Inc.....	Texas	ERCOT	RUS-7
Green River Electric Coop	Kentucky	ECAR	RUS-7
Greenbelt Electric Coop Inc	Texas	SPP	RUS-7
GreyStone Power Corp	Georgia	SERC	RUS-7
Grundy County Rural Elec Coop	Iowa	MAPP	RUS-7
Grundy Electric Coop Inc	Missouri	SPP	RUS-7
Guernsey-Muskingum El Coop Inc	Ohio	ECAR	RUS-7
Gulf Coast Electric Coop Inc	Florida	SERC	RUS-7
Gunnison County Elec Assn Inc.....	Colorado	WSCC	RUS-7
Guthrie County Rural E C A.....	Iowa	MAPP	RUS-7
H-D Electric Coop Inc	South Dakota	MAPP	RUS-7
Habersham Electric Member Corp	Georgia	SERC	RUS-7
Halifax Electric Member Corp	North Carolina	SERC	RUS-7
Hamilton County Elec Coop Assn	Texas	ERCOT	RUS-7
Hancock County Rural E M C.....	Indiana	ECAR	RUS-7
Hancock County Rural Elec Coop	Iowa	MAPP	RUS-7
Hancock-Wood Electric Coop Inc.....	Ohio	ECAR	RUS-7
Harkers Island El Member Corp.....	North Carolina	SERC	RUS-7
Harmon Electric Assn Inc.....	Oklahoma	SPP	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Harney Electric Coop Inc	Oregon	WSCC	RUS-7
Harrison County Rrl Elec Coop	Iowa	MAPP	RUS-7
Harrison County Rural E C C	Kentucky	ECAR	RUS-7
Harrison County Rural E M C	Indiana	ECAR	RUS-7
Harrison Rural Elec Assn Inc	West Virginia	ECAR	RUS-7
Hart Electric Member Corp	Georgia	SERC	RUS-7
Hawkeye Tri-County El Coop Inc.....	Iowa	MAPP	RUS-7
Haywood Electric Member Corp.....	North Carolina	SERC	RUS-7
Head of Lakes Electric Coop.....	Wisconsin	MAPP	RUS-7
Henderson-Union Rural E C C.....	Kentucky	ECAR	RUS-7
Hickman-Fulton Counties RECC.....	Kentucky	ECAR	RUS-7
Highline Electric Assn	Colorado	WSCC	RUS-7
Hill County Electric Coop	Texas	ERCOT	RUS-7
Hill County Electric Coop Inc.....	Montana	WSCC	RUS-7
Holmes-Wayne Electric Coop Inc.....	Ohio	ECAR	RUS-7
Holston Electric Coop Inc.....	Tennessee	SERC	RUS-7
Holy Cross Electric Assn Inc	Colorado	WSCC	RUS-7
Homer Electric Assn Inc.....	Alaska	ASCC	RUS-7
Hoosier Energy R E C Inc.....	Indiana	ECAR	RUS-12
Horry Electric Coop Inc.....	South Carolina	SERC	RUS-7
Hot Springs Rural El Assn Inc.....	Wyoming	WSCC	RUS-7
Houston County Elec Coop Inc.....	Texas	ERCOT	RUS-7
Howard Electric Coop.....	Missouri	SPP	RUS-7
Howell-Oregon Elec Coop Inc	Missouri	SPP	RUS-7
Humboldt County R E C	Iowa	MAPP	RUS-7
Ida County Rural Electric Coop	Iowa	MAPP	RUS-7
Idaho Cnty L&P Coop Assn Inc	Idaho	WSCC	RUS-7
Illinois Rural Electric Co.....	Illinois	MAIN	RUS-7
Indian Electric Coop Inc.....	Oklahoma	SPP	RUS-7
Inter County Rural E C C.....	Kentucky	ECAR	RUS-7
Intercounty Electric Assn Inc	South Dakota	MAPP	RUS-7
Intercounty Electric Coop Assn.....	Missouri	SPP	RUS-7
Intermountain Rural Elec Assn.....	Colorado	WSCC	RUS-7
Iowa Lakes Electric Coop.....	Iowa	MAPP	RUS-7
Irwin Electric Membership Corp.....	Georgia	SERC	RUS-7
Itasca-Mantrap Coop Elec Assn	Minnesota	MAPP	RUS-7
J-A-C Electric Coop Inc	Texas	ERCOT	RUS-7
Jackson County Rural E C C.....	Kentucky	ECAR	RUS-7
Jackson County Rural E M C.....	Indiana	ECAR	RUS-7
Jackson Electric Coop Inc.....	Wisconsin	MAPP	RUS-7
Jackson Electric Coop Inc.....	Texas	ERCOT	RUS-7
Jackson Electric Member Corp.....	Georgia	SERC	RUS-7
Jackson Purchase El Coop Corp.....	Kentucky	ECAR	RUS-7
James Valley Electric Coop Inc	North Dakota	MAPP	RUS-7
Jasper County Rural E M C	Indiana	ECAR	RUS-7
Jasper-Newton Elec Coop Inc.....	Texas	ERCOT	RUS-7
Jay County Rural E M C	Indiana	ECAR	RUS-7
Jefferson Davis Elec Coop Inc	Louisiana	SPP	RUS-7
Jefferson Electric Member Corp.....	Georgia	SERC	RUS-7
Jemez Mountains Elec Coop Inc	New Mexico	WSCC	RUS-7
Jewell-Mitchell Coop Elec Inc	Kansas	SPP	RUS-7
Jo-Carroll Electric Coop Inc	Illinois	MAPP	RUS-7
Joe Wheeler Elec Member Corp.....	Alabama	SERC	RUS-7
Johnson County Elec Coop Assn	Texas	ERCOT	RUS-7
Johnson County Rural E M C	Indiana	ECAR	RUS-7
Jones-Onslow Elec Member Corp.....	North Carolina	SERC	RUS-7
Jump River Electric Coop Inc	Wisconsin	MAPP	RUS-7
K C Electric Assn	Colorado	WSCC	RUS-7
Kandiyohi Coop Elec Power Assn	Minnesota	MAPP	RUS-7
Kankakee Valley Rural E M C.....	Indiana	ECAR	RUS-7
Kansas Electric Power Coop Inc	Kansas	SPP	RUS-12
Karnes Electric Coop Inc.....	Texas	ERCOT	RUS-7
Kaufman County Elec Coop Inc.....	Texas	ERCOT	RUS-7
Kaw Valley Electric Coop Inc.....	Kansas	SPP	RUS-7
Kay Electric Coop.....	Oklahoma	SPP	RUS-7
Kiamichi Electric Coop Inc	Oklahoma	SPP	RUS-7
Kimble Electric Coop Inc	Texas	ERCOT	RUS-7
Kingsbury Electric Coop Inc	South Dakota	MAPP	RUS-7
Kit Carson Electric Coop Inc	New Mexico	WSCC	RUS-7
Kiwash Electric Coop Inc	Oklahoma	SPP	RUS-7
Knox County Rural E M C.....	Indiana	ECAR	RUS-7
Kodiak Electric Assn Inc.....	Alaska	ASCC	RUS-7
Kootenai Electric Coop Inc.....	Idaho	WSCC	RUS-7
Kosciusko County Rural E M C.....	Indiana	ECAR	RUS-7
KAMO Electric Coop Inc.....	Oklahoma	SPP	RUS-12
KEM Electric Coop Inc	North Dakota	MAPP	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
L & O Power Coop.....	Iowa	MAPP	RUS-12
La Plata Electric Assn Inc	Colorado	WSCC	RUS-7
Laclede Electric Coop Inc.....	Missouri	SPP	RUS-7
Lagrange County Rural E M C	Indiana	ECAR	RUS-7
Lake Region Coop Elec Assn.....	Minnesota	MAPP	RUS-7
Lake Region Electric Assn Inc.....	South Dakota	MAPP	RUS-7
Lake Region Electric Coop Inc	Oklahoma	SPP	RUS-7
Lamar County Elec Coop Assn.....	Texas	ERCOT	RUS-7
Lamar Electric Membership Corp.....	Georgia	SERC	RUS-7
Lamb County Electric Coop Inc.....	Texas	SPP	RUS-7
Lane Electric Coop Inc.....	Oregon	WSCC	RUS-7
Lane-Scott Electric Coop Inc.....	Kansas	SPP	RUS-7
Laurens Electric Coop Inc	South Carolina	SERC	RUS-7
LaCreek Electric Assn Inc	South Dakota	MAPP	RUS-7
Lea County Electric Coop Inc.....	New Mexico	SPP	RUS-7
Leavenworth-Jefferson E C Inc.....	Kansas	SPP	RUS-7
Lewis County Rural E C A	Missouri	MAIN	RUS-7
Licking Valley Rural E C C.....	Kentucky	ECAR	RUS-7
Lighthouse Electric Coop Inc.....	Texas	SPP	RUS-7
Lincoln Electric Coop Inc.....	Montana	WSCC	RUS-7
Lincoln Electric Coop Inc.....	Washington	WSCC	RUS-7
Lincoln-Union Electric Co.....	South Dakota	MAPP	RUS-7
Linn County Rural E C A.....	Iowa	MAPP	RUS-7
Little Ocmulgee El Member Corp.....	Georgia	SERC	RUS-7
Little River Electric Coop Inc.....	South Carolina	SERC	RUS-7
Logan Cnty Coop P&L Assn Inc.....	Ohio	ECAR	RUS-7
Lorain-Medina R E C Inc.....	Ohio	ECAR	RUS-7
Lost River Electric Coop Inc.....	Idaho	WSCC	RUS-7
Lower Valley Power & Light Inc.....	Wyoming	WSCC	RUS-7
Lower Yellowstone R E A Inc.....	Montana	MAPP	RUS-7
Lumbree River Elec Member Corp.....	North Carolina	SERC	RUS-7
Lynches River Elec Coop Inc.....	South Carolina	SERC	RUS-7
Lyntegar Electric Coop Inc.....	Texas	SPP	RUS-7
Lyon Rural Electric Coop.....	Iowa	MAPP	RUS-7
Lyon-Coffey Electric Coop Inc.....	Kansas	SPP	RUS-7
Lyon-Lincoln Electric Coop Inc.....	Minnesota	MAPP	RUS-7
M & A Electric Power Coop.....	Missouri	SPP	RUS-12
M J M Electric Coop Inc.....	Illinois	MAIN	RUS-7
Macon Electric Coop.....	Missouri	SPP	RUS-7
Magic Valley Electric Coop Inc.....	Texas	ERCOT	RUS-7
Magnolia Electric Power Assn.....	Mississippi	SPP	RUS-7
Maquoketa Valley Rrl Elec Coop.....	Iowa	MAPP	RUS-7
Marias River Electric Coop Inc.....	Montana	WSCC	RUS-7
Marion Rural Electric Coop Inc.....	Ohio	ECAR	RUS-7
Marlboro Electric Coop Inc.....	South Carolina	SERC	RUS-7
Marshall County Rrl Elec Coop.....	Iowa	MAPP	RUS-7
Marshall County Rural E M C.....	Indiana	ECAR	RUS-7
Matanuska Electric Assn Inc.....	Alaska	ASCC	RUS-7
McCone Electric Coop Inc.....	Montana	WSCC	RUS-7
McCook Electric Coop Inc.....	South Dakota	MAPP	RUS-7
McCulloch Electric Coop Inc.....	Texas	ERCOT	RUS-7
McDonough Power Coop.....	Illinois	MAIN	RUS-7
McKenzie Electric Coop Inc.....	North Dakota	MAPP	RUS-7
McLean Electric Coop Inc.....	North Dakota	MAPP	RUS-7
McLennan County Elec Coop Inc.....	Texas	ERCOT	RUS-7
McLeod Coop Power Assn.....	Minnesota	MAPP	RUS-7
Meade County Rural E C C.....	Kentucky	ECAR	RUS-7
Mecklenburg Electric Coop Inc.....	Virginia	SERC	RUS-7
Medina Electric Coop Inc.....	Texas	ERCOT	RUS-7
Meeker Coop Light & Power Assn.....	Minnesota	MAPP	RUS-7
Menard Electric Coop.....	Illinois	MAIN	RUS-7
Meriwether Lewis Electric Coop.....	Tennessee	SERC	RUS-7
Miami-Cass County Rural E M C.....	Indiana	ECAR	RUS-7
Mid-Carolina Electric Coop Inc.....	South Carolina	SERC	RUS-7
Mid-Yellowstone Elec Coop Inc.....	Montana	WSCC	RUS-7
Middle Georgia El Member Corp.....	Georgia	SERC	RUS-7
Middle Tennessee E M C.....	Tennessee	SERC	RUS-7
Midland Power Coop.....	Iowa	MAPP	RUS-7
Midstate Electric Coop Inc.....	Oregon	WSCC	RUS-7
Midwest Electric Coop Inc.....	Texas	ERCOT	RUS-7
Midwest Electric Inc.....	Ohio	ECAR	RUS-7
Midwest Electric Member Corp.....	Nebraska	MAPP	RUS-7
Mille Lacs Electric Coop.....	Minnesota	MAPP	RUS-7
Minnesota Valley Coop L&P Assn.....	Minnesota	MAPP	RUS-7
Minnesota Valley Electric Coop.....	Minnesota	MAPP	RUS-7
Minnkota Power Coop Inc.....	North Dakota	MAPP	RUS-12

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Mississippi Cnty Elec Coop Inc	Arkansas	SPP	RUS-7
Missoula Electric Coop Inc.....	Montana	WSCC	RUS-7
Missouri Rural Electric Coop	Missouri	MAIN	RUS-7
Mohave Electric Coop Inc	Arizona	WSCC	RUS-7
Monona County Rural Elec Coop	Iowa	MAPP	RUS-7
Monroe County Elec Coop Inc.....	Illinois	MAIN	RUS-7
Monroe County Elec Power Assn	Mississippi	SERC	RUS-7
Moon Lake Electric Assn Inc	Utah	WSCC	RUS-7
Mor-Gran-Sou Electric Coop Inc	North Dakota	MAPP	RUS-7
Mora-San Miguel Elec Coop Inc.....	New Mexico	WSCC	RUS-7
Moreau-Grand Electric Coop Inc	South Dakota	MAPP	RUS-7
Morgan County Rural Elec Assn.....	Colorado	WSCC	RUS-7
Morrow Electric Coop Inc	Ohio	ECAR	RUS-7
Mountain Electric Coop Inc.....	Tennessee	SERC	RUS-7
Mountain Parks Electric Inc	Colorado	WSCC	RUS-7
Mountain View Elec Assn Inc.....	Colorado	WSCC	RUS-7
Mountrail-Williams El Coop Inc	North Dakota	MAPP	RUS-7
Mt Wheeler Power Inc	Nevada	WSCC	RUS-7
N C K Electric Coop Inc	Kansas	SPP	RUS-7
N W Electric Power Coop Inc.....	Missouri	SPP	RUS-12
Natchez Trace Elec Power Assn.....	Mississippi	SERC	RUS-7
Navarro County Elec Coop Inc	Texas	ERCOT	RUS-7
Navasota Valley Elec Coop Inc.....	Texas	ERCOT	RUS-7
Navopache Electric Coop Inc	Arizona	WSCC	RUS-7
Nebraska Electric G&T Coop Inc	Nebraska	MAPP	RUS-12
Nemaha-Marshall E C A Inc	Kansas	SPP	RUS-7
Nespelem Valley Elec Coop Inc.....	Washington	WSCC	RUS-7
New Era Electric Coop Inc.....	Texas	ERCOT	RUS-7
New Hampshire Elec Coop Inc	New Hampshire	NPCC	RUS-7
New-Mac Electric Coop Inc	Missouri	MAIN	RUS-7
Newberry Electric Coop Inc	South Carolina	SERC	RUS-7
Newton County Rural E M C.....	Indiana	ECAR	RUS-7
Ninnescah Rural E C A Inc.....	Kansas	SPP	RUS-7
Niobrara Electric Assn Inc.....	Wyoming	WSCC	RUS-7
Nishnabotna Valley R E C	Iowa	MAPP	RUS-7
Noble County Rural E M C.....	Indiana	ECAR	RUS-7
Nobles Coop Electric	Minnesota	MAPP	RUS-7
Nodak Electric Coop Inc.....	North Dakota	MAPP	RUS-7
Nodaway Worth Elec Coop Inc.....	Missouri	SPP	RUS-7
Nolin Rural Electric Coop Corp.....	Kentucky	ECAR	RUS-7
North Alabama Electric Coop.....	Alabama	SERC	RUS-7
North Arkansas Elec Coop Inc	Arkansas	SPP	RUS-7
North Carolina El Member Corp.....	North Carolina	SERC	RUS-12
North Central Elec Coop Inc	Ohio	ECAR	RUS-7
North Central Elec Coop Inc	North Dakota	MAPP	RUS-7
North Central MO Elec Coop Inc	Missouri	SPP	RUS-7
North East Mississippi E P A.....	Mississippi	SERC	RUS-7
North Georgia Elec Member Corp.....	Georgia	SERC	RUS-7
North Itasca Electric Coop Inc	Minnesota	MAPP	RUS-7
North Pine Electric Coop Inc	Minnesota	MAPP	RUS-7
North Plains Electric Coop Inc	Texas	SPP	RUS-7
North Star Electric Coop Inc	Minnesota	MAPP	RUS-7
North Western Elec Coop Inc.....	Ohio	ECAR	RUS-7
Northcentral Mississippi E P A	Mississippi	SERC	RUS-7
Northeast Louisiana Power Coop	Louisiana	SPP	RUS-7
Northeast Missouri El Pwr Coop.....	Missouri	MAIN	RUS-12
Northeast Oklahoma El Coop Inc.....	Oklahoma	SPP	RUS-7
Northeast Texas Elec Coop Inc	Texas	SPP	RUS-12
Northeastern Rural E M C.....	Indiana	ECAR	RUS-7
Northern Electric Coop Assn.....	Minnesota	MAPP	RUS-7
Northern Electric Coop Inc.....	Montana	WSCC	RUS-7
Northern Electric Coop Inc.....	South Dakota	MAPP	RUS-7
Northern Lights Inc	Idaho	WSCC	RUS-7
Northern Neck Elec Coop Inc	Virginia	SERC	RUS-7
Northern Rio Arriba E C Inc.....	New Mexico	WSCC	RUS-7
Northern Virginia Elec Coop.....	Virginia	SERC	RUS-7
Northfork Electric Coop Inc	Oklahoma	SPP	RUS-7
Northwest Iowa Power Coop.....	Iowa	MAPP	RUS-12
Northwest Kansas E C A Inc	Kansas	SPP	RUS-7
Northwest Missouri El Coop Inc	Missouri	MAIN	RUS-7
Northwestern Electric Coop Inc	Oklahoma	SPP	RUS-7
Northwestern Rural E C A Inc	Pennsylvania	MAAC	RUS-7
Norton-Decatur Coop El Co Inc.....	Kansas	SPP	RUS-7
Nueces Electric Coop Inc	Texas	ERCOT	RUS-7
Nyman Electric Coop Inc	Iowa	MAPP	RUS-7
O & A Electric Coop	Michigan	ECAR	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Oahe Electric Coop Inc.....	South Dakota	MAPP	RUS-7
Oakdale Electric Coop.....	Wisconsin	MAPP	RUS-7
Oceana Electric Coop.....	Michigan	ECAR	RUS-7
Ocmulgee Electric Member Corp.....	Georgia	SERC	RUS-7
Oconee Electric Member Corp.....	Georgia	SERC	RUS-7
Oconto Electric Coop.....	Wisconsin	MAIN	RUS-7
Oglethorpe Power Corp.....	Georgia	SERC	RUS-12
Okanogan County Elec Coop Inc.....	Washington	WSCC	RUS-7
Okefenoke Rural El Member Corp.....	Georgia	SERC	RUS-7
Oklahoma Electric Coop Inc.....	Oklahoma	SPP	RUS-7
Oliver-Mercer Elec Coop Inc.....	North Dakota	MAPP	RUS-7
Oneida-Madison Elec Coop Inc.....	New York	NPCC	RUS-7
Ontonagon County R E A.....	Michigan	MAIN	RUS-7
Orange County Rural E M C.....	Indiana	ECAR	RUS-7
Orcas Power & Light Co.....	Washington	WSCC	RUS-7
Osage Valley Elec Coop Assn.....	Missouri	SPP	RUS-7
Osceola Electric Coop Inc.....	Iowa	MAPP	RUS-7
Otero County Electric Coop Inc.....	New Mexico	WSCC	RUS-7
Otsego Electric Coop Inc.....	New York	NPCC	RUS-7
Ouachita Electric Coop Corp.....	Arkansas	SPP	RUS-7
Owen Electric Coop Inc.....	Kentucky	ECAR	RUS-7
Ozark Border Electric Coop.....	Missouri	SPP	RUS-7
Ozark Electric Coop Inc.....	Missouri	SPP	RUS-7
Ozarks Electric Coop Corp.....	Arkansas	SPP	RUS-7
P K M Electric Coop Inc.....	Minnesota	MAPP	RUS-7
P R & W Electric Coop Assn Inc.....	Kansas	SPP	RUS-7
Palmetto Electric Coop Inc.....	South Carolina	SERC	RUS-7
Panhandle Rural El Member Assn.....	Nebraska	MAPP	RUS-7
Panola-Harrison Elec Coop Inc.....	Texas	SPP	RUS-7
Park Electric Coop Inc.....	Montana	WSCC	RUS-7
Parke County Rural E M C.....	Indiana	ECAR	RUS-7
Pataula Electric Member Corp.....	Georgia	SERC	RUS-7
Paulding-Putman Elec Coop Inc.....	Ohio	ECAR	RUS-7
Pea River Electric Coop.....	Alabama	SERC	RUS-7
Peace River Electric Coop Inc.....	Florida	SERC	RUS-7
Pearl River Valley El Pwr Assn.....	Mississippi	SPP	RUS-7
Pee Dee Electric Coop Inc.....	South Carolina	SERC	RUS-7
Pee Dee Electric Member Corp.....	North Carolina	SERC	RUS-7
Pella Coop Elec Assn.....	Iowa	MAPP	RUS-7
Pemiscot-Dunklin Elec Coop Inc.....	Missouri	SPP	RUS-7
Pennyrile Rural Elec Coop Corp.....	Kentucky	SERC	RUS-7
People 's Coop Power Assn.....	Minnesota	MAPP	RUS-7
Petit Jean Electric Coop Corp.....	Arkansas	SPP	RUS-7
Pickwick Electric Coop.....	Tennessee	SERC	RUS-7
Piedmont Electric Member Corp.....	North Carolina	SERC	RUS-7
Pierce-Pepin Electric Coop.....	Wisconsin	MAPP	RUS-7
Pioneer Electric Coop Inc.....	Kansas	SPP	RUS-7
Pioneer Electric Coop Inc.....	Alabama	SERC	RUS-7
Pioneer Rural Elec Coop Inc.....	Ohio	ECAR	RUS-7
Pitt & Greene Elec Member Corp.....	North Carolina	SERC	RUS-7
Plains Elec Gen&Trans Coop Inc.....	New Mexico	WSCC	RUS-12
Planters Electric Member Corp.....	Georgia	SERC	RUS-7
Plateau Electric Coop.....	Tennessee	SERC	RUS-7
Platte-Clay Electric Coop Inc.....	Missouri	SPP	RUS-7
Plumas-Sierra Rural Elec Coop.....	California	WSCC	RUS-7
Plymouth Electric Coop Assn.....	Iowa	MAPP	RUS-7
Pointe Coupee Elec Member Corp.....	Louisiana	SPP	RUS-7
Polk-Burnett Electric Coop.....	Wisconsin	MAPP	RUS-7
Poudre Valley R E A Inc.....	Colorado	WSCC	RUS-7
Powell Valley Electric Coop.....	Tennessee	SERC	RUS-7
Price Electric Coop Inc.....	Wisconsin	MAPP	RUS-7
Prince George Electric Coop.....	Virginia	SERC	RUS-7
R S R Electric Coop Inc.....	North Dakota	MAPP	RUS-7
Radiant Electric Coop Inc.....	Kansas	SPP	RUS-7
Raft River Rural Elec Coop Inc.....	Idaho	WSCC	RUS-7
Ralls County Electric Coop.....	Missouri	SPP	RUS-7
Randolph Electric Member Corp.....	North Carolina	SERC	RUS-7
Rappahannock Electric Coop.....	Virginia	SERC	RUS-7
Ravalli County Elec Coop Inc.....	Montana	WSCC	RUS-7
Rayle Electric Membership Corp.....	Georgia	SERC	RUS-7
Red Lake Electric Coop Inc.....	Minnesota	MAPP	RUS-7
Red River Valley Coop Pwr Assn.....	Minnesota	MAPP	RUS-7
Red River Valley Rrl Elec Assn.....	Oklahoma	SPP	RUS-7
Redwood Electric Coop.....	Minnesota	MAPP	RUS-7
Ree Electric Coop Inc.....	South Dakota	MAPP	RUS-7
Renville-Sibley Coop Pwr Assn.....	Minnesota	MAPP	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Rich Mountain Elec Coop Inc	Arkansas	SPP	RUS-7
Richland Electric Coop	Wisconsin	MAPP	RUS-7
Rideta Electric Coop Inc	Iowa	MAPP	RUS-7
Rio Grande Electric Coop Inc	Texas	ERCOT	RUS-7
Rita Blanca Electric Coop Inc	Texas	SPP	RUS-7
Riverton Valley Elec Assn Inc	Wyoming	WSCC	RUS-7
Roanoke Electric Member Corp	North Carolina	SERC	RUS-7
Rock County Electric Coop Assn	Wisconsin	MAPP	RUS-7
Roosevelt County Elec Coop Inc	New Mexico	SPP	RUS-7
Roseau Electric Coop Inc	Minnesota	MAPP	RUS-7
Rosebud Electric Coop Inc	South Dakota	MAPP	RUS-7
Runestone Electric Assn	Minnesota	MAPP	RUS-7
Rural Electric Co	Wyoming	WSCC	RUS-7
Rural Electric Conven Coop	Illinois	MAIN	RUS-7
Rural Electric Coop Inc	Oklahoma	SPP	RUS-7
Rush County Rural E M C	Indiana	ECAR	RUS-7
Rusk County Electric Coop Inc	Texas	SPP	RUS-7
Rutherford Elec Member Corp	North Carolina	SERC	RUS-7
S E Iowa Coop Electric Assn	Iowa	MAPP	RUS-7
Sac County Rural Electric Coop	Iowa	MAPP	RUS-7
Sac-Osage Electric Coop Inc	Missouri	SPP	RUS-7
Salmon River Electric Coop Inc	Idaho	WSCC	RUS-7
Salt River Rural El Coop Corp	Kentucky	ECAR	RUS-7
Saluda River Electric Coop Inc	South Carolina	SERC	RUS-12
Sam Rayburn G&T Elec Coop Inc	Texas	SPP	RUS-12
San Isabel Electric Assn Inc	Colorado	WSCC	RUS-7
San Luis Valley R E C Inc	Colorado	WSCC	RUS-7
San Miguel Power Assn Inc	Colorado	WSCC	RUS-7
San Patricio Electric Coop Inc	Texas	ERCOT	RUS-7
Sand Mountain Electric Coop	Alabama	SERC	RUS-7
Sangre De Cristo Elec Assn Inc	Colorado	WSCC	RUS-7
Santee Electric Coop Inc	South Carolina	SERC	RUS-7
Satilla Rural Elec Member Corp	Georgia	SERC	RUS-7
Sawnee Electric Members Corp	Georgia	SERC	RUS-7
Scott-New Madrid-MS Elec Coop	Missouri	SPP	RUS-7
Sedgwick Cnty El Coop Assn Inc	Kansas	SPP	RUS-7
Sekan Electric Coop Assn Inc	Kansas	SPP	RUS-7
Seminole Electric Coop Inc	Florida	SERC	RUS-12
Sequachee Valley Electric Coop	Tennessee	SERC	RUS-7
Shelby County Rural E M C	Indiana	ECAR	RUS-7
Shelby Rural Elec Coop Corp	Kentucky	ECAR	RUS-7
Shenandoah Valley Elec Coop	Virginia	SERC	RUS-7
Sheridan Electric Coop Inc	Montana	MAPP	RUS-7
Sheridan-Johnson Rrl Elec Assn	Wyoming	WSCC	RUS-7
Sheyenne Valley Elec Coop Inc	North Dakota	MAPP	RUS-7
Sho-Me Power Electric Coop	Missouri	SPP	RUS-12
Sierra Electric Coop Inc	New Mexico	WSCC	RUS-7
Singing River Elec Power Assn	Mississippi	SERC	RUS-7
Sioux Electric Coop Assn	Iowa	MAPP	RUS-7
Sioux Valley Empire E A Inc	South Dakota	MAPP	RUS-7
Slash Pine Elec Member Corp	Georgia	SERC	RUS-7
Slope Electric Coop Inc	North Dakota	MAPP	RUS-7
Smoky Hill Elec Coop Assn Inc	Kansas	SPP	RUS-7
Socorro Electric Coop Inc	New Mexico	WSCC	RUS-7
Somerset Rural Elec Coop Inc	Pennsylvania	MAAC	RUS-7
South Alabama Elec Coop Inc	Alabama	SERC	RUS-7
South Central Ark El Coop Inc	Arkansas	SPP	RUS-7
South Central Electric Assn	Minnesota	MAPP	RUS-7
South Central Indiana REMC	Indiana	ECAR	RUS-7
South Central Power Co	Ohio	ECAR	RUS-7
South Crawford Rural Elec Corp	Iowa	MAPP	RUS-7
South Kentucky Rural E C C	Kentucky	ECAR	RUS-7
South Louisiana Elec Coop Assn	Louisiana	SPP	RUS-7
South Mississippi El Pwr Assn	Mississippi	SERC	RUS-12
South Plains Electric Coop Inc	Texas	SPP	RUS-7
South River Elec Member Corp	North Carolina	SERC	RUS-7
South Texas Electric Coop Inc	Texas	ERCOT	RUS-12
Southeast Colorado Power Assn	Colorado	WSCC	RUS-7
Southeast Electric Coop Inc	Montana	WSCC	RUS-7
Southeastern Electric Coop Inc	Oklahoma	SPP	RUS-7
Southeastern Indiana R E M C	Indiana	ECAR	RUS-7
Southeastern IL Elec Coop Inc	Illinois	MAIN	RUS-7
Southeastern Michigan REC Inc	Michigan	ECAR	RUS-7
Southern Illinois Elec Coop	Illinois	MAIN	RUS-7
Southern Illinois Power Coop	Illinois	MAIN	RUS-12
Southern Indiana R E C Inc	Indiana	ECAR	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Southern Iowa Elec Coop Inc.....	Iowa	MAPP	RUS-7
Southern Maryland El Coop Inc.....	Maryland	MAAC	RUS-7
Southern Pine Elec Coop Inc.....	Alabama	SERC	RUS-7
Southern Pine Elec Power Assn.....	Mississippi	SERC	RUS-7
Southside Electric Coop Inc.....	Virginia	SERC	RUS-7
Southwest Arkansas E C C.....	Arkansas	SPP	RUS-7
Southwest Central R E C Corp.....	Pennsylvania	MAAC	RUS-7
Southwest Electric Coop Inc.....	Missouri	SPP	RUS-7
Southwest Louisiana E M C.....	Louisiana	SPP	RUS-7
Southwest Mississippi E P A.....	Mississippi	SPP	RUS-7
Southwest Rural Elec Assn Inc.....	Oklahoma	SPP	RUS-7
Southwest Tennessee E M C.....	Tennessee	SERC	RUS-7
Southwest Texas Elec Coop Inc.....	Texas	ERCOT	RUS-7
Southwestern Electric Coop Inc.....	Illinois	MAIN	RUS-7
Southwestern Electric Coop Inc.....	New Mexico	SPP	RUS-7
Southwestern Minnesota Coop El.....	Minnesota	MAPP	RUS-7
Soyland Power Coop Inc.....	Illinois	MAIN	RUS-12
Spink Electric Coop Inc.....	South Dakota	MAPP	RUS-7
Spoon River Electric Coop Inc.....	Illinois	MAIN	RUS-7
Springer Electric Coop Inc.....	New Mexico	WSCC	RUS-7
Square Butte Electric Coop Inc.....	North Dakota	MAPP	RUS-12
St Croix Electric Coop.....	Wisconsin	MAPP	RUS-7
Stamford Electric Coop Inc.....	Texas	ERCOT	RUS-7
Stearns Coop Electric Assn.....	Minnesota	MAPP	RUS-7
Steele-Waseca Coop Electric.....	Minnesota	MAPP	RUS-7
Steuben County Rural E M C.....	Indiana	ECAR	RUS-7
Steuben Rural Elec Coop Inc.....	New York	NPCC	RUS-7
Sullivan County R E C Inc.....	Pennsylvania	MAAC	RUS-7
Sullivan County Rural E M C.....	Indiana	ECAR	RUS-7
Sulphur Springs Valley E C Inc.....	Arizona	WSCC	RUS-7
Sumner-Cowley Elec Coop Inc.....	Kansas	SPP	RUS-7
Sumter Electric Coop Inc.....	Florida	SERC	RUS-7
Sumter Electric Member Corp.....	Georgia	SERC	RUS-7
Sun River Electric Coop Inc.....	Montana	WSCC	RUS-7
Sunflower Electric Power Corp.....	Kansas	SPP	RUS-12
Surprise Valley Electric Corp.....	California	WSCC	RUS-7
Surry-Yadkin Elec Member Corp.....	North Carolina	SERC	RUS-7
Sussex Rural Electric Coop Inc.....	New Jersey	MAAC	RUS-7
Suwannee Valley Elec Coop Inc.....	Florida	SERC	RUS-7
Swans Island Electric Coop Inc.....	Maine	NPCC	RUS-7
Swisher Electric Coop Inc.....	Texas	SPP	RUS-7
SE-MA-NO Electric Coop.....	Missouri	SPP	RUS-7
T I P Rural Electric Coop.....	Iowa	MAPP	RUS-7
Tallahatchie Valley E P A.....	Mississippi	SERC	RUS-7
Tallapoosa River Elec Coop Inc.....	Alabama	SERC	RUS-7
Talquin Electric Coop Inc.....	Florida	SERC	RUS-7
Tanner Electric Coop.....	Washington	WSCC	RUS-7
Taylor County Rural E C C.....	Kentucky	ECAR	RUS-7
Taylor Electric Coop.....	Wisconsin	MAPP	RUS-7
Taylor Electric Coop Inc.....	Texas	ERCOT	RUS-7
Teche Electric Coop Inc.....	Louisiana	SPP	RUS-7
Tennessee Valley Electric Coop.....	Tennessee	SERC	RUS-7
Tex-La Electric Coop-Texas Inc.....	Texas	ERCOT	RUS-12
Three Notch Elec Member Corp.....	Georgia	SERC	RUS-7
Three Rivers Electric Coop.....	Missouri	SPP	RUS-7
Thumb Electric Coop-Michigan.....	Michigan	ECAR	RUS-7
Tideland Electric Member Corp.....	North Carolina	SERC	RUS-7
Tipmont Rural Elec Member Corp.....	Indiana	ECAR	RUS-7
Tishomingo County E P A.....	Mississippi	SERC	RUS-7
Todd-Wadena Electric Coop.....	Minnesota	MAPP	RUS-7
Tombigbee Electric Coop Inc.....	Alabama	SERC	RUS-7
Tombigbee Electric Power Assn.....	Mississippi	SERC	RUS-7
Tongue River Electric Coop Inc.....	Montana	MAPP	RUS-7
Top O' Michigan Electric Co.....	Michigan	ECAR	RUS-7
Traverse Electric Coop Inc.....	Minnesota	MAPP	RUS-7
Trempealeau Electric Coop.....	Wisconsin	MAPP	RUS-7
Tri-County Elec Member Corp.....	Georgia	SERC	RUS-7
Tri-County Elec Member Corp.....	North Carolina	SERC	RUS-7
Tri-County Elec Member Corp.....	Tennessee	SERC	RUS-7
Tri-County Electric Assn Inc.....	South Dakota	MAPP	RUS-7
Tri-County Electric Assn Inc.....	Wyoming	WSCC	RUS-7
Tri-County Electric Coop.....	Minnesota	MAPP	RUS-7
Tri-County Electric Coop.....	Michigan	ECAR	RUS-7
Tri-County Electric Coop Assn.....	Missouri	SPP	RUS-7
Tri-County Electric Coop Inc.....	South Carolina	SERC	RUS-7
Tri-County Electric Coop Inc.....	Illinois	MAIN	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Tri-County Electric Coop Inc	Oklahoma	SPP	RUS-7
Tri-County Electric Coop Inc	Florida	SERC	RUS-7
Tri-County Electric Coop Inc	North Dakota	MAPP	RUS-7
Tri-County Rural Elec Coop Inc	Pennsylvania	MAAC	RUS-7
Tri-State Electric Member Corp	Georgia	SERC	RUS-7
Tri-State G & T Assn Inc	Colorado	WSCC	RUS-12
Trico Electric Coop Inc.....	Arizona	WSCC	RUS-7
Troup Electric Members Corp	Georgia	SERC	RUS-7
Turner-Hutchinson El Coop Inc	South Dakota	MAPP	RUS-7
Twin County Electric Pwr Assn	Mississippi	SERC	RUS-7
Twin Valley Electric Coop Inc.....	Kansas	SPP	RUS-7
Umatilla Electric Coop Assn	Oregon	WSCC	RUS-7
Union County Electric Coop Inc	South Dakota	MAPP	RUS-7
Union Electric Membership Corp.....	North Carolina	SERC	RUS-7
Union River Electric Coop Inc	Maine	NPCC	RUS-7
Union Rural Electric Coop Inc	Ohio	ECAR	RUS-7
United Electric Coop Inc	Kansas	SPP	RUS-7
United Electric Coop Inc	Pennsylvania	MAAC	RUS-7
United Power Inc.....	Colorado	WSCC	RUS-7
United Rural Elec Member Corp.....	Indiana	ECAR	RUS-7
United Rural Electric Coop Inc	Ohio	ECAR	RUS-7
Upper Cumberland E M C.....	Tennessee	SERC	RUS-7
Upper Missouri G&T El Coop Inc.....	Montana	MAPP	RUS-12
Upshur Rural Elec Coop Corp.....	Texas	SPP	RUS-7
Upson County Elec Member Corp	Georgia	SERC	RUS-7
Utilities Dist-Western IN REMC.....	Indiana	ECAR	RUS-7
Valley Electric Assn Inc	Nevada	WSCC	RUS-7
Valley Electric Coop Inc.....	Montana	WSCC	RUS-7
Valley Electric Member Corp.....	Louisiana	SPP	RUS-7
Valley Rural Electric Coop Inc	Pennsylvania	MAAC	RUS-7
Verdigris Valley Elec Coop Inc	Oklahoma	SPP	RUS-7
Verendrye Electric Coop Inc	North Dakota	MAPP	RUS-7
Vermont Electric Coop Inc	Vermont	NPCC	RUS-7
Vermont Electric G&T Coop Inc	Vermont	NPCC	RUS-12
Vernon Electric Coop.....	Wisconsin	MAPP	RUS-7
Victoria Electric Coop Inc	Texas	ERCOT	RUS-7
Victory Electric Coop Assn Inc.....	Kansas	SPP	RUS-7
Vigilante Electric Coop Inc	Montana	WSCC	RUS-7
Volunteer Electric Coop.....	Tennessee	SERC	RUS-7
Wabash County Rural E M C.....	Indiana	ECAR	RUS-7
Wake Electric Membership Corp	North Carolina	SERC	RUS-7
Walton Electric Member Corp.....	Georgia	SERC	RUS-7
Warren County Rural E M C	Indiana	ECAR	RUS-7
Warren Electric Coop Inc	Pennsylvania	MAAC	RUS-7
Warren Rural Elec Coop Corp	Kentucky	SERC	RUS-7
Wasco Electric Coop Inc	Oregon	WSCC	RUS-7
Washington Elec Member Corp	Georgia	SERC	RUS-7
Washington Electric Coop Inc.....	Ohio	ECAR	RUS-7
Washington Electric Coop Inc.....	Vermont	NPCC	RUS-7
Washington Island El Coop Inc.....	Wisconsin	MAIN	RUS-7
Washington-St Tammany E C Inc.....	Louisiana	SPP	RUS-7
Wayne County Rural E M C.....	Indiana	ECAR	RUS-7
Wayne-White Counties Elec Coop	Illinois	MAIN	RUS-7
Webster Electric Coop	Missouri	SPP	RUS-7
Wells Rural Electric Co.....	Nevada	WSCC	RUS-7
West Central Electric Coop Inc.....	Missouri	SPP	RUS-7
West Central Electric Coop Inc.....	South Dakota	MAPP	RUS-7
West Florida El Coop Assn Inc.....	Florida	SERC	RUS-7
West Kentucky Rural E C C	Kentucky	ECAR	RUS-7
West Oregon Electric Coop Inc.....	Oregon	WSCC	RUS-7
West Plains Electric Coop Inc.....	North Dakota	MAPP	RUS-7
West River Electric Assn Inc	South Dakota	MAPP	RUS-7
Western Coop Electric Assn Inc.....	Kansas	SPP	RUS-7
Western Farmers Elec Coop Inc.....	Oklahoma	SPP	RUS-12
Western Illinois Elec Coop.....	Illinois	MAIN	RUS-7
Western Michigan Electric Coop.....	Michigan	MAIN	RUS-7
Wharton County Elec Coop Inc	Texas	ERCOT	RUS-7
Wheatland Electric Coop Inc.....	Kansas	SPP	RUS-7
Wheatland Rural Elec Assn Inc.....	Wyoming	WSCC	RUS-7
Whetstone Valley Elec Coop Inc	South Dakota	MAPP	RUS-7
White County Rural E M C.....	Indiana	ECAR	RUS-7
White River Electric Assn Inc	Colorado	WSCC	RUS-7
White River Valley El Coop Inc	Missouri	SPP	RUS-7
Wild Rice Electric Coop Inc.....	Minnesota	MAPP	RUS-7
Winnebago Rural Elec Coop Assn	Iowa	MAPP	RUS-7
Wiregrass Electric Coop Inc	Alabama	SERC	RUS-7

See footnotes at end of table.

Table B5. Cooperative Borrowers, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Wise Electric Coop Inc.....	Texas	ERCOT	RUS-7
Withlacoochee River Elec Coop.....	Florida	SERC	RUS-7
Wolverine Pwr Supply Coop Inc.....	Michigan	ECAR	RUS-12
Wood County Electric Coop Inc.....	Texas	SPP	RUS-7
Woodbury County Rural E C A.....	Iowa	MAPP	RUS-7
Woodruff Electric Coop Corp.....	Arkansas	SPP	RUS-7
Wright County Rural Elec Coop.....	Iowa	MAPP	RUS-7
Wright-Hennepin Coop Elec Assn.....	Minnesota	MAPP	RUS-7
Wyrulec Co.....	Wyoming	WSCC	RUS-7
Y-W Electric Assn Inc.....	Colorado	WSCC	RUS-7
Yampa Valley Electric Assn Inc.....	Colorado	WSCC	RUS-7
Yazoo Valley Elec Power Assn.....	Mississippi	SERC	RUS-7
Yellowstone Vily Elec Coop Inc.....	Montana	WSCC	RUS-7
York Electric Coop Inc.....	South Carolina	SERC	RUS-7
4-County Electric Power Assn.....	Mississippi	SERC	RUS-7

¹ The State in which the administrative office of the cooperative borrower is located.

² The principal North American Electric Reliability Council region in which the utility operates. See glossary for a list of all regions.

³ Source of data for this publication

Sources: •Rural Utilities Service, RUS Form 7, "Financial and Statistical Report," RUS Form 12a through 12i, "Electric Power Supply Borrowers," Form 12c through 12g, "Electric Distribution Borrowers with Generating Facilities." •Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table B6. Electric Utilities Not Reported Elsewhere in Surveys Reporting Detailed Transactions, 1994

Utility	State ¹	NERC Region ²	Survey Form ³
Investor-Owned			
Ajo Improvement Co.....	Arizona	WSCC	EIA-861
Block Island Power Co.....	Rhode Island	NPCC	EIA-861
Champion International Corp.....	Montana	WSCC	EIA-861
Haines Light & Power Co Inc.....	Alaska	ASCC	EIA-861
Hawaii Electric Light Co Inc.....	Hawaii	HI	EIA-861
Morenci Water & Electric Co.....	Arizona	WSCC	EIA-861
Napakiak Ircinaq Power Co.....	Alaska	ASCC	EIA-861
Panaca Power & Light Co.....	Utah	WSCC	EIA-861
Westfield Milling & El Lgt Co.....	Wisconsin	MAIN	EIA-861
Cooperative			
Arctic Utilities Inc.....	Alaska	ASCC	EIA-861
Bartholomew County Rural E M C.....	Indiana	ECAR	EIA-861
Beauregard Electric Coop Inc.....	Louisiana	SPP	EIA-861
Boone Valley Electric Coop.....	Iowa	MAPP	EIA-861
Carroll County Rural E M C.....	Indiana	ECAR	EIA-861
Cass Electric Coop.....	Iowa	MAPP	EIA-861
Clark County Rural E M C.....	Indiana	ECAR	EIA-861
Cooke County Elec Coop Assn.....	Texas	ERCOT	EIA-861
Cuivre River Electric Coop Inc.....	Missouri	MAIN	EIA-861
Edgar Electric Coop Assn.....	Illinois	MAIN	EIA-861
Farmers Mutual Power Assn.....	Nevada	WSCC	EIA-861
Fort Belknap Electric Coop Inc.....	Texas	ERCOT	EIA-861
Graham County Elec Coop Inc.....	Arizona	WSCC	EIA-861
Hendricks County Rural E M C.....	Indiana	ECAR	EIA-861
Henry County Rural E M C.....	Indiana	ECAR	EIA-861
Illinois Valley Elec Coop Inc.....	Illinois	MAIN	EIA-861
Lee County Electric Coop Inc.....	Florida	SERC	EIA-861
Licking Rural Elecficcatn Inc.....	Ohio	ECAR	EIA-861
Mid-South Electric Coop Assn.....	Texas	ERCOT	EIA-861
New Enterprise R E C Inc.....	Pennsylvania	MAAC	EIA-861
Penoyer Valley Electric Coop.....	Nevada	WSCC	EIA-861
Presque Isle Electric Coop Inc.....	Michigan	ECAR	EIA-861
Shelby Electric Coop Inc.....	Illinois	MAIN	EIA-861
TriCounty Rural Elec Coop Inc.....	Ohio	ECAR	EIA-861
Municipal			
Alamo Power District No 3.....	Nevada	WSCC	EIA-861
Albany City of.....	Missouri	SPP	EIA-861
Alpha City of.....	Minnesota	MAPP	EIA-861
Alvarado City of.....	Minnesota	MAPP	EIA-861
Anadarko Public Works Auth.....	Oklahoma	SPP	EIA-861
Aplington City of.....	Iowa	MAPP	EIA-861
Arcadia City of.....	Wisconsin	MAPP	EIA-861
Argyle City of.....	Wisconsin	MAPP	EIA-861
Ava City of.....	Missouri	SPP	EIA-861
Bancroft City of.....	Iowa	MAPP	EIA-861
Bartley Village of.....	Nebraska	MAPP	EIA-861
Basin Town of.....	Wyoming	WSCC	EIA-861
Bethany City of.....	Missouri	MAIN	EIA-861
Bigelow City of.....	Minnesota	MAPP	EIA-861
Biwabik City of.....	Minnesota	MAPP	EIA-861
Braman Town of.....	Oklahoma	SPP	EIA-861
Brooklyn City of.....	Iowa	MAPP	EIA-861
Brundidge City of.....	Alabama	SERC	EIA-861
Burlington City of.....	Oklahoma	SPP	EIA-861
Butler City of.....	Missouri	SPP	EIA-861
Cabool City of.....	Missouri	MAIN	EIA-861
Caledonia City of.....	Minnesota	MAPP	EIA-861
Caliente City of.....	Nevada	WSCC	EIA-861
Cameron City of.....	Missouri	SPP	EIA-861
Cannelton Utilities.....	Indiana	ECAR	EIA-861
Cascade City of.....	Iowa	MAPP	EIA-861
Cashton Village of.....	Wisconsin	MAPP	EIA-861
Ceylon City of.....	Minnesota	MAPP	EIA-861
Chillicothe City of.....	Missouri	SPP	EIA-861
Coggon City of.....	Iowa	MAPP	EIA-861
Colby City of.....	Kansas	SPP	EIA-861
Cordell City of.....	Oklahoma	SPP	EIA-861
Corwith City of.....	Iowa	MAPP	EIA-861
Crane City of.....	Missouri	MAIN	EIA-861
Cuba City of.....	Missouri	MAIN	EIA-861
Cumberland City of.....	Wisconsin	MAPP	EIA-861
Darwin Village of.....	Minnesota	MAPP	EIA-861
Dayton City of.....	Iowa	MAPP	EIA-861

See footnotes at end of table.

Table B6. Electric Utilities Not Reported Elsewhere in Surveys Reporting Detailed Transactions, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Decatur Village of	Nebraska	MAPP	EIA-861
Dighton City of	Kansas	SPP	EIA-861
Dunnell Village of	Minnesota	MAPP	EIA-861
Durant City of	Iowa	MAPP	EIA-861
Earlville City of	Iowa	MAPP	EIA-861
Easton City of	Missouri	SPP	EIA-861
Eitzen City of	Minnesota	MAPP	EIA-861
Elba City of	Alabama	SERC	EIA-861
Electra City of	Texas	ERCOT	EIA-861
Elk Point City of	South Dakota	MAPP	EIA-861
Ellsworth City of	Iowa	MAPP	EIA-861
Elroy City of	Wisconsin	MAPP	EIA-861
Emerson City of	Nebraska	MAPP	EIA-861
Endicott Village of	Nebraska	MAPP	EIA-861
Fairfield City of	Illinois	MAIN	EIA-861
Farnhamville City of	Iowa	MAPP	EIA-861
Fayette City of	Missouri	MAIN	EIA-861
Fennimore City of	Wisconsin	MAPP	EIA-861
Forest City City of	Iowa	MAPP	EIA-861
Fort Supply Town of	Oklahoma	SPP	EIA-861
Fountain Town of	North Carolina	SERC	EIA-861
Fredonia City of	Arizona	WSCC	EIA-861
Gallatin City of	Missouri	MAIN	EIA-861
Garrison City of	Texas	ERCOT	EIA-861
Gowrie Municipal Utilities	Iowa	MAPP	EIA-861
Granada Town of	Colorado	WSCC	EIA-861
Granbury City of	Texas	ERCOT	EIA-861
Greenfield City of	Iowa	MAPP	EIA-861
Grove City City of	Minnesota	MAPP	EIA-861
Grundy Center City of	Iowa	MAPP	EIA-861
Harmony City of	Minnesota	MAPP	EIA-861
Hearne City of	Texas	ERCOT	EIA-861
Hemphill City of	Texas	SPP	EIA-861
Herndon City of	Kansas	SPP	EIA-861
Hill City City of	Kansas	SPP	EIA-861
Hinton City of	Iowa	MAPP	EIA-861
Houston City of	Missouri	SPP	EIA-861
Hunnewell City of	Missouri	SPP	EIA-861
Iuka City of	Kansas	SPP	EIA-861
Jetmore City of	Kansas	SPP	EIA-861
Johnson City of	Kansas	SPP	EIA-861
Kaw City City of	Oklahoma	SPP	EIA-861
Keosauqua City of	Iowa	MAPP	EIA-861
Kiowa City of	Kansas	SPP	EIA-861
Kokhanok Village Council	Alaska	ASCC	EIA-861
La Crosse City of	Kansas	SPP	EIA-861
La Farge Municipal Electric Co	Wisconsin	MAPP	EIA-861
La Plata City of	Missouri	MAIN	EIA-861
Lake Mills City of	Iowa	MAPP	EIA-861
Lakin City of	Kansas	SPP	EIA-861
Lamoni City of	Iowa	MAPP	EIA-861
Lanesboro Public Utility Comm	Minnesota	MAPP	EIA-861
Larchwood City of	Iowa	MAPP	EIA-861
Lehigh City of	Iowa	MAPP	EIA-861
Lindsay City of	Oklahoma	SPP	EIA-861
Mabel City of	Minnesota	MAPP	EIA-861
Macon City of	Missouri	MAIN	EIA-861
Mansfield City of	Missouri	MAIN	EIA-861
McLeansboro City of	Illinois	MAIN	EIA-861
Meade City of	Kansas	SPP	EIA-861
Meadville City of	Missouri	SPP	EIA-861
Memphis City of	Missouri	MAIN	EIA-861
Merrillan City of	Wisconsin	MAPP	EIA-861
Midvale Irrigation District	Wyoming	WSCC	EIA-861
Milan City of	Missouri	SPP	EIA-861
Monroe City City of	Missouri	SPP	EIA-861
Mooreland City of	Oklahoma	SPP	EIA-861
Mountain View City of	Missouri	SPP	EIA-861
Nashwauk City of	Minnesota	MAPP	EIA-861
New Hampton City of	Iowa	MAPP	EIA-861
New Lisbon City of	Wisconsin	MAPP	EIA-861
Newberry Water & Light Board	Michigan	ECAR	EIA-861
Newburg City of	Missouri	MAIN	EIA-861
Northwest Rural Pub Pwr Dist	Nebraska	MAPP	EIA-861

See footnotes at end of table.

Table B6. Electric Utilities Not Reported Elsewhere in Surveys Reporting Detailed Transactions, 1994 (Continued)

Utility	State ¹	NERC Region ²	Survey Form ³
Norton City of	Kansas	SPP	EIA-861
Oak City Town of	North Carolina	SERC	EIA-861
Oakley City of	Kansas	SPP	EIA-861
Onida City of	South Dakota	MAPP	EIA-861
Opp City of	Alabama	SERC	EIA-861
Osage City of	Iowa	MAPP	EIA-861
Ouzinkie City of	Alaska	ASCC	EIA-861
Oxford City of	Georgia	SERC	EIA-861
Palmyra City of	Missouri	MAIN	EIA-861
Panama Village of	Nebraska	MAPP	EIA-861
Paris City of	Missouri	SPP	EIA-861
Paton City of	Iowa	MAPP	EIA-861
Pattonburg City of	Missouri	MAIN	EIA-861
Peterson City of	Minnesota	MAPP	EIA-861
Pioche City of	Nevada	WSCC	EIA-861
Plains City of	Texas	SPP	EIA-861
Proctor Public Utilities Comm.....	Minnesota	MAPP	EIA-861
Radium City of	Kansas	SPP	EIA-861
Red Bud City of	Illinois	MAIN	EIA-861
Renwick City of	Iowa	MAPP	EIA-861
Reynolds Village of	Nebraska	MAPP	EIA-861
Richland City of	Missouri	MAIN	EIA-861
Rockport City of	Missouri	SPP	EIA-861
Roosevelt Public Power Dist	Nebraska	MAPP	EIA-861
Round Lake City of	Minnesota	MAPP	EIA-861
Rushmore City of	Minnesota	MAPP	EIA-861
Salem City of	Missouri	SPP	EIA-861
San Augustine City of	Texas	SPP	EIA-861
Sanger City of	Texas	ERCOT	EIA-861
Seward City of	Kansas	SPP	EIA-861
Seymour City of	Missouri	SPP	EIA-861
Seymour City of	Texas	ERCOT	EIA-861
Shelbina City of	Missouri	SPP	EIA-861
Southport City of	North Carolina	SERC	EIA-861
Spring Grove City of	Minnesota	MAPP	EIA-861
Springer Town of	New Mexico	SPP	EIA-861
St Louis City of	Michigan	ECAR	EIA-861
St Paul City of	Nebraska	MAPP	EIA-861
St Robert City of	Missouri	MAIN	EIA-861
Stanberry City of	Missouri	SPP	EIA-861
Stanton City of	Iowa	MAPP	EIA-861
Steelville City of	Missouri	MAIN	EIA-861
Stratford City of	Iowa	MAPP	EIA-861
Stromsburg City of	Nebraska	MAPP	EIA-861
Sullivan City of	Missouri	MAIN	EIA-861
Sumner City of	Iowa	MAPP	EIA-861
Talmage Village of	Nebraska	MAPP	EIA-861
Tennant City of	Iowa	MAPP	EIA-861
Timpson City of	Texas	ERCOT	EIA-861
Troy City of	Indiana	ECAR	EIA-861
Unalaska City of	Alaska	ASCC	EIA-861
Unionville City of	Missouri	SPP	EIA-861
Vandalia City of	Missouri	MAIN	EIA-861
Viola City of	Wisconsin	MAPP	EIA-861
Waynesville City of	Missouri	SPP	EIA-861
Webster City City of	Iowa	MAPP	EIA-861
West Bend City of	Iowa	MAPP	EIA-861
Westfield Town of	Iowa	MAPP	EIA-861
Whalan City of	Minnesota	MAPP	EIA-861
Whitesboro City of	Texas	ERCOT	EIA-861
Willow Springs City of	Missouri	SPP	EIA-861
Wilton City of	Iowa	MAPP	EIA-861
Winona City of	Missouri	SPP	EIA-861
Winterset City of	Iowa	MAPP	EIA-861
Woodsfield City of	Ohio	ECAR	EIA-861
Woolstock City of	Iowa	MAPP	EIA-861

¹ The State in which the administrative or corporate office of the utility is located.

² The principal North American Electric Reliability Council region in which the utility operates. See glossary for a list of all regions.

³ Source of data for this publication

Note: These electric utilities are not reported elsewhere because they fall below the class of ownership survey threshold and/or information on exchanges and wheeling for selected utilities are only reported on the Form, EIA-861.

Source: •Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table B7. Electric Power Marketers Authorized by FERC, as of December 31, 1995

Name	State	FERC Reference	Authorization Reference	Date Authorized
AES Power, Inc.	Virginia	94-890	FERC Letter	Apr 8/94
AIG Trading Corp.	Connecticut	94-1691	FERC Letter	Jan 19/95
Amoco Energy Trading Corp.	Texas	95-1359	FERC Letter	Nov 29/95
Aquila Power Corp.	Missouri	95-216	74-61138	Jan 13/95
Associated Power Services	District of Columbia	95-7	FERC Letter	Dec 16/94
Calpine Power Services Co.	California	94-1545	FERC Letter	Mar 9/95
Cenerprise, Inc.	Missouri	94-1402	69-61316	Dec 7/94
Chicago Energy Exchange of Chicago, Inc.	Illinois	90-225	51-61054	Apr 19/90
		90-17		
Citizens Energy Corp.	Massachusetts	86-2	35-61198	May 19/86
Citizens Lehman Power Sales	District of Columbia	94-1685	FERC Letter	Feb 2/95
Citizens Power & Light Corp.	Massachusetts	89-401	48-61210	Aug 8/89
CMEX Energy, Inc.	District of Columbia	94-1328	FERC Letter	Jul 12/94
Coastal Electric Services Company	Texas	94-1450	FERC Letter	Sep 29/94
Cogentrix Energy Power Marketing, Inc.	North Carolina	95-1739	FERC Letter	Oct 13/95
ConAgra Energy Services, Inc.	Nebraska	95-1751	FERC Letter	Oct 23/95
Coral Power, L.L.C.	Texas	96-25	FERC Letter	Dec 6/95
DC Tie, Inc.	District of Columbia	91-435	FERC Letter	Jul 11/91
Delhi Energy Services, Inc.	Texas	95-940	FERC Letter	Jun 1/95
Destec Power Services, Inc.	Texas	94-1612	70-61061	Jan 20/95
Duke/Louis Dreyfus L.L.C.	Connecticut	96-108	73-61309	Dec 14/95
DuPont Power Marketing Inc.	Texas	95-1441	FERC Letter	Aug 30/95
El Paso Energy Marketing Co.	Texas	95-428	FERC Letter	Mar 30/95
Electric Clearinghouse, Inc.	Texas	94-968	FERC Letter	Apr 7/94
Energy Services, Inc.	California	95-1021	FERC Letter	Jun 13/95
Englehard Power Marketing, Inc.	New Jersey	94-1690	FERC Letter	Dec 29/94
Enron Power Marketing, Inc.	Texas	94-24	65-61305	Dec 2/93
Equitable Power Services Co.	Pennsylvania	94-1539	FERC Letter	Sep 8/94
Global Petroleum Corporation	Texas	96-359	FERC Letter	Dec 20/95
Hartford Power Sales, L.L.C.	District of Columbia	95-393	FERC Letter	Feb 22/95
Heartland Energy Services, Inc.	Wisconsin	94-108	68-61223	Aug 9/94
Hinson Power Co.	Washington	95-1314	72-61190	Aug 29/95
Howell Gas Management Co.	Texas	87-50	40-61336	Sep 28/87
IGI Resources, Inc.	Idaho	95-1034	FERC Letter	Jul 11/95
Illinova Power Marketing, Inc.	Illinois	94-1475	71-61172	May 18/95
Industrial Energy Applications, Inc.	Iowa	95-1465	72-61296	Sep 28/95
InterCoast Power Marketing Co.	Iowa	94-6	68-61248	Aug 19/94
J. Aron & Co.	New York	95-34	FERC Letter	Mar 1/95
KCS Power Marketing, Inc.	Unknown	95-209	FERC Letter	Mar 2/95
Kimball Power Company	Texas	95-232	FERC Letter	Feb 1/95
KN Marketing, Inc.	Texas	95-869	FERC Letter	May 26/95
Koch Power Services, Inc.	Texas	95-218	FERC Letter	Jan 4/95
LG&E Power Marketing Inc.	Virginia	94-1188	68-61247	Aug 19/94
Louis Dreyfus Electric Power Inc.	Connecticut	92-850	61-61303	Dec 2/92
MG Electric Power, Inc.	New York	93-839	FERC Letter	Oct 19/93
MidCon Power Services Corp.	Illinois	94-1329	FERC Letter	Aug 11/94
Milford Power L.P.	Massachusetts	93-493	FERC Letter	Sep 7/93
Mock Energy Services, L.P.	Oklahoma	95-300	FERC Letter	Mar 16/95
Morgan Stanley Capital Group Inc.	New York	94-1384	69-61175	Nov 8/94
National Gas & Electric L.P.	Texas	90-168	50-61378	Mar 20/90
NorAm Energy Services, Inc.	Louisiana	94-1247	FERC Letter	Jul 25/94
North American Energy Conservation, Inc.	New York	94-152	FERC Letter	Feb 10/94
Phibro Inc.	Connecticut	95-430	FERC Letter	Jun 9/95
Power Company of America, L.P.	Connecticut	95-111	78-61010	May 3/95
Power Exchange Corp.	California	95-72	FERC Letter	Feb 1/95
PowerTec International, L.L.C.	North Carolina	96-1	FERC Letter	Dec 1/95
Rainbow Energy Marketing Corp.	Florida	94-1061	FERC Letter	Jun 10/94
Southern Energy Trading & Marketing Inc.	Georgia	95-976	FERC Letter	Sep 29/95
Stand Energy Corp.	Ohio	95-362	FERC Letter	Feb 24/95
Tenaska Power Services Co.	Nebraska	94-389	FERC Letter	May 26/94
Tennessee Power Co.	Tennessee	95-581	FERC Letter	Apr 28/95
Texas-Ohio Power Marketing, Inc.	Texas	94-1676	FERC Letter	Oct 31/94
Torco Energy Marketing, Inc.	District of Columbia	89-32	48-61294	Sep 7/89
TransCanada Energy Mktg USA	Texas	95-692	FERC Letter	Jun 9/95
Utility-2000 Energy Corp.	Canada	95-187	FERC Letter	Dec 29/94
Utility-Trade Corp.	Canada	95-1382	FERC Letter	Aug 25/95
Valero Power Services Co.	Texas	94-1394	FERC Letter	Aug 24/94
Vastar Power Marketing, Inc.	Texas	95-1685	FERC Letter	Oct 26/95
Vitol Gas and Electric, L.L.C.	Massachusetts	94-155	FERC Letter	Jan 14/94
Williams Energy Services	Oklahoma	95-305	FERC Letter	Mar 10/95

Note: The Federal Energy Regulatory Commission has jurisdictional responsibility when an energy marketer takes ownership of electricity. If ownership is not passed to the party brokering or coordinating the transaction, then the FERC does not consider the broker involved in interstate trade.
Source: Federal Energy Regulatory Commission.

Appendix C

**Fundamentals
of Electric
Power
Transmission
and
Integrating
Nonutility
Generators**

Appendix C

Fundamentals of Electric Power Transmission and Integrating Nonutility Generators

Fundamentals of the Electric Power Transmission System

The electric power system in the United States contains three interrelated elements: the generating facilities that produce the power; the transmission network that conducts the flow of power from the points of generation to the points of distribution; and the distribution system that delivers the electric power to the consumers. The transmission network is the integrating medium of the power supply system providing the electrical connections between the many geographically separated parts of the electric power generating and distribution systems.

The electric transmission network is unlike any other mode of transportation. The flow of electricity is virtually instantaneous, changing magnitude and direction as conditions on the power system dictate.⁹ Electricity distributes itself along paths of least resistance that are determined by a complex electrical relationship involving the relative size, location and distribution of generation resources, transmission line facilities, and centers of demand. All transmission paths share the power transfer, and the degree of sharing is determined by the relationship of the network components. The system consists of transmission lines, substations with voltage transformers, circuit breakers, and other equipment required to transmit power safely from generation sources to ultimate customers. Transmission voltage levels have increased with improvements in technology and in keeping with the growing demand for electricity.

The transmission system performs several essential functions simultaneously: (1) it supplies the physical means for delivering electricity from the generating sources to the load centers; (2) it integrates generating sources and load centers into a flexible and resilient whole; and (3) it interconnects the physical facilities with those of neighboring systems. Although transmission lines are often added to the network initially to meet a single specific requirement, once added they become an integrated part of the transmission network

and their operation becomes interdependent with all the other elements of the network. Operating the system effectively requires significant planning and operational coordination of the generators and transmission facilities to: (1) achieve efficient use of all system facilities, (2) prevent overloading and failure, and (3) maintain adequate reserve transmission and generation capacity to ensure system reliability.

The Need for Coordination of System Operation

The current electrical system has developed in response to the regulations and economics of the electrical utility and nonutility sectors of the electric power industry, as well as to the changing technical factors that influence the generation, transmission, and distribution of electricity. Since the different electrical systems operate as a unified power grid (there are three in the contiguous United States) and the effects of power flows are not confined to contractual paths or apparent direct paths, handling the ever changing flow of electricity is a critical activity for system operators of the power grids. Large power transfers, for example, can change transmission line loadings hundreds of miles from the direct electrical path connecting the source and destination. Actions by individual utilities or NUGs can affect the operation of all the others on the system.

Control and Operation of Electric Systems

As electrical energy itself cannot be stored (at the voltage and ampere levels in use on a power grid), power must be instantaneously available to end users at any time, in any amount at the proper voltage. As a result, severe demands are imposed on electrical equipment and the transmission network when meeting changing loads. Monitoring the flow of scheduled electricity, handling customer requirements, and coordinating trade among utilities are the responsibility of the dispatch center. A dispatch center

⁹ The frequency of electric power supply in the United States is almost entirely 60 hertz (formerly cycles per second). The frequency of a system depends entirely upon the speed at which the supply generator is rotated by its prime mover. James Robert Eaton, *Electric Power Transmission Systems* (Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1972), pp. 2-3.

can be operated independently of other electrical systems by a single utility; it can link two or more interconnected utilities, or even unify several power systems with combined load requirements and maintenance programs.

The operators of dispatch centers must continually monitor load patterns to ensure that adequate electricity is available at all times. For most dispatch centers, it is the daily responsibility to (1) record the flow of electricity at the customer load centers and the entering and exiting amounts on its transmission lines, (2) watch the transmission connecting points for each interconnected electrical system, and (3) monitor the power flow from each generation plant. The dispatch center determines the power available from its system, balances the unit-generation marginal costs with buy-or-sell opportunities with other utilities, coordinates the bulk power transactions, examines what plants must be dispatched to avoid technical system problems or undue economic costs, and accounts for system power losses. It also projects demand requirements in order to determine how much generating capacity will be needed and when. These projections may be done hourly, daily, weekly, or at longer intervals.

One electrical operating entity (power pool, electric utility, State authority, and/or Federal utility) within a group of interconnected electrical systems takes responsibility for maintaining system frequency for that electrical geographic area, monitors the load, and ensures generation availability to meet load requirements. Some control centers within these control areas are highly computerized, automatically loading the generating facilities as needed and maintaining the system at the correct operating frequency. This is important because deviations in the scheduled power flows or from the standard system frequency can automatically cause compensating changes in the output at the generating plants. These deviations can mean there has been a loss or gain of a customer load, a plant or line has suffered a forced outage, or some plant or line has been returned to the system. Any of these changes can require some review or action by these control centers.

Stabilizing system frequency is made easier by coordination with other electric systems and by drawing from a larger base of on-line capability. Load changes are absorbed by all the electrical systems, and many of the increasing and decreasing load changes cancel out or offset each other, so that the effect on the entire interconnected electrical system is less than it would be on an isolated electric utility. Also, this integrated system frees each generating unit from the necessity to make continual large changes in production levels.

Integrating Nonutility Generators with the Bulk Electric System

Nonutility generation sources continue to be a growing portion of the U.S. electrical generation capacity. This role of NUGs reflects the changing structure of the electric supply system.

Integrating Nonutility Generators

NUGs present a challenge to the operators of the power grids because of the increasing numbers and their growing contribution to wholesale generation. Matching customer load and generation for both daily operations and future planning activities is becoming increasingly complex with the growing NUG role and increasing use of the transmission system. Electrical reliability concerns and the proper integration of NUGs into the supply system have become important issues.

The proper integration of NUGs into the electrical operations of interconnection and dispatching generation can be regarded as engineering problems for which technical solutions are available. However, there are institutional issues associated with the responsibility for serving customers and control of the electrical system. The increasing role of NUGs has altered the traditional view of participants in the electrical supply.

Utilities have three basic concerns involving the integration of NUGs with the bulk power system, relating primarily to the relationships of the NUGs, utilities, and customers:

- Utilities, with the principal responsibility to operate the system, do not always have full operating control over the NUGs.
- The forces that drive NUG development and operation do not necessarily coincide with the obligations of the utilities to serve customer demands.
- The fulfillment of NUG development plans to support the future generation requirements of the system are not controlled by the utilities, which are obligated to provide sufficient capacity.

The investor-owned utility obligation to serve is part of what was once called the "regulatory compact," which tied the utility exclusivity to a service territory franchise and requires that the rate of return and prices be set by a regulatory body. However, the obligation of NUGs to provide power tends to be contractual. This contractual obligation (power sales contract) must be satisfied to provide an adequate return on investment and to service debt.

The perspectives of some utility industry organizations and NUG participants on these obligations may differ. Some of these differences can be attributed to positions of the organizations in the market, with respect to their cost structures and existing capacity.

Some utilities welcome the opportunity for potential cost savings and diversity of supply options offered by NUGs, others are more concerned about operations and overall system reliability.

In response to such concerns, the North American Electric Reliability Council (NERC), which the utility industry charged to oversee the reliability of the bulk electric supply, has established guidelines on the minimum operating considerations that all utility and nonutility generators must follow to ensure the continued reliability of the system.¹⁰

Impact of Nonutility Generation on the Supply System

The electric utility industry and nonutility industry have worked together to safely and reliably interconnect NUGs. Many utilities are increasingly relying on NUG power as an important source of power. Several factors which utilities may not control can influence the operation of the overall system. The overall level of increase in NUG capacity is just one element. The size of individual facilities has a direct bearing on the potential system impacts; small facilities are less likely to have the same impacts as large ones. At the same time, the locations of individual projects, even small ones, can be critical. Where a facility is sited can affect transmission line loadings and substation equipment operation. Similarly, the timing of power

production from a NUG facility can affect the balance of power flows on the system. Moreover, the availability and reliability of NUG power can influence the operation of the system and the requirements for reserve capacity.

The electrical supply system is operated within closely watched tolerances and can require complex and real-time balancing of generation and transmission facilities with fluctuating demand. The substantial interrelationships of all the system components--utility and nonutility--suggest that generation capacity that falls outside the direct control of system operators increases their operational and planning challenges, and may affect system reliability. The extent to which operation, size, location, timing, availability and reliability of NUG power production can be coordinated with system operators will determine the impacts of NUG integration on the bulk electricity supply system.

Technically, all of these factors exert both positive and negative influences on the electrical system, depending on site-specific conditions and timing of actions. For example, a NUG facility could be located specifically to help a utility avoid a transmission or distribution bottleneck. Proper integration of NUGs into the daily operational control and management of the electrical power grid is critical for capturing the benefits and minimizing the disadvantages for all entities connected to the grid.

¹⁰ North American Electric Reliability Council, *Integrating Nonutility Generators* (Princeton, New Jersey, January 1992). The specific guidelines now address both planning and operating considerations, and apply to all utility and nonutility sources. The guidelines address a range of needs, from specific design issues, to information needs, and data exchange requirements. The guidelines also cover how the generation sources would be brought on- and off-line during routine and emergency conditions.

Appendix D

Technical Notes

Appendix D

Technical Notes

Sources of Data

The data sources used to produce this publication include selected items from the following Federal Energy Regulatory Commission (FERC), Energy Information Administration (EIA), and Rural Electrification Administration (REA) annual data collection forms:

- Form EIA-412, "Annual Report of Public Electric Utilities"
- Form EIA-861, "Annual Electric Utility Report"
- Form FE-781R, "Annual Report of International Electrical Export/Import Data"
- FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others"
- FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees"
- REA Form 7, "Financial and Statistical Reports - Electric Distribution Borrowers"
- REA Form 12a through 12i, "Electric Power Supply Borrowers," and RUS Form 12c through 12g, "Electric Distribution Borrowers with Generating Facilities"

Completion of these forms by electric utilities is mandatory. Individual forms are completed by all U.S. utilities meeting specific ownership and size criteria. Sampling methods are not used as part of these surveys except for minimum threshold reporting; all qualifying utilities (that is, all utilities satisfying reporting criteria) are required to report annually.

Other 1994 data collected on these forms are also published by EIA and RUS in the following reports: *Financial Statistics of Selected Investor-Owned Electric Utilities 1994* (DOE/EIA-0437)/1, *Financial Statistics of Selected Publicly Owned Electric Utilities 1994* (DOE/EIA-0437)/2, and *Annual Report of Energy Purchased by RUS Borrowers* (REA).

Form EIA-412, "Annual Report of Public Electric Utilities"

Summary of Primary Purpose.

Form EIA-412 is used to collect detailed accounting, financial, and operating data annually from publicly owned electric utilities in the United States. For the fiscal or calendar year that ended December 31, 1994, new criteria were used to select the 502 reporting respondents for this form. Publicly owned electric utilities engaged in the generation, transmission, or distribution of electricity that had 120 million kilowatthours of sales to ultimate consumers or 120 million kilowatthours of sales for resale for the 2 previous years as reported on Form EIA-861, "Annual Electric Utility Report," must submit Form EIA-412.

Instrument and Design History.

Federal Power Commission (FPC) Form 1M was implemented as a mandatory survey by the FPC in 1961. It became the responsibility of the EIA in October 1977 when the FPC was merged into the DOE. Effective January 1980, the FPC Form 1M was superseded by Form EIA-412, also a mandatory survey, used to collect the same data as those previously reported on FPC Form 1M.

Data Processing

The processing of data reported on FERC Form 1, Form EIA-412, and Form EIA-861 is the responsibility of the Data Systems Branch, Survey Management Division of the Office of Coal, Nuclear, Electric and Alternate Fuels. The normal processing of FERC Form 1-F is the responsibility of the FERC. Automated systems are used to edit data from the surveys, using deterministic and statistical checks. When these data have passed the editing process, they are aggregated into a master file, which is used as input to this publication's data base.

Form EIA-861, "Annual Electric Utility Report"

Summary of Primary Purpose.

Form EIA-861 is a census of electric utilities in the United States. The mandatory survey is used to collect information on power production and sales data from approximately 3,232 electric utilities. The data collected are used to maintain and update the EIA 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 Form EIA-861 are also contained in the *Electric Power Monthly*, the *Electric Sales and Revenues 1994*, the *Financial Statistics of Selected Investor-Owned Electric Utilities 1994*, and the *Financial Statistics of Selected Publicly Owned Electric Utilities 1994*. These reports present totals for electric utilities on a national level, by State, and by ownership type.

Instrument and Design History.

Form EIA-861 was implemented in January 1985 to collect data as of the end of 1984. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data. Detailed comparisons and descriptions of conceptual problems affecting the quality of the data are discussed in the report, *An Assessment of the Quality of Selected EIA Data Series: Electric Power Data*.

Form FE-781R, "Annual Report of International Electrical Export/Import Data"

Summary of Primary Purpose.

Form FE-781R is used to collect on an annual basis, monthly international electricity trade information on the gross amounts of electrical energy imports and exports and the costs and revenues associated with these transactions. The use of the format contained in Form FE-781R is optional for reporting purposes; however, submission of the data is mandatory

Instrument and Design History.

The authority to issue presidential permits pursuant to Executive Order Number 10485 was transferred to the Secretary of Energy by Executive Order Number 12038 (43 FR 4957 February 7, 1978). This responsibility was delegated by the Secretary to the Economic Regulatory Administration (DOE Delegation Order Number 0204-04, October 1, 1977). The authority was redelegated (DOE Delegation Order Number 127) to the Office of Fuels Programs, the Office of Fossil Energy (54 FR 11436 March 20, 1989). The survey universe is defined under Title 10 of the Code of Federal Regulations, Sections 205.308 and 205.325 to include all public utilities or other entities subject to the Department of Energy jurisdiction under Part II of the Federal Power Act, engaged in the export of electrical energy across the international borders of the

United States with Canada and Mexico, or, who own the physical facilities which are used to transmit power across the international border.

Data Processing.

Form FE-781R is mailed to the respondents to collect annually the monthly data for the preceding calendar year. The completed forms are to be returned to the DOE by February 15. The receipts are manually edited and the data used for the Presidential Permit Program are entered into a machine readable format.

FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others"

Summary of Primary Purpose.

The Federal Energy Regulatory Commission (FERC) Form 1 is used to collect detailed accounting, financial, and operating data annually from "major" investor-owned electric utilities having, in each of the last 3 consecutive years, sales or transmission service that exceeds any one of the following: 1 billion kilowatthours of total sales, 100 thousand kilowatthours of sales for resale, 500 thousand kilowatthours of gross interchange out, or 500 thousand kilowatthours of wheeling for others (deliveries plus losses). The FERC Form 1-F is used to collect detailed accounting, financial, and operating data annually from "minor" investor-owned electric utilities that fall below the major category. For the year 1994, jurisdictional filings of the FERC Form 1 and 1-F totaled 198; though not all can be considered traditional electric utilities. See Table B1 (Appendix B) for those that qualified in 1994.

Instrument and Design History.

FERC Form 1 was implemented in 1935 by the Federal Power Commission (FPC). In October 1977, it became the responsibility of the EIA to publish energy data when the FPC was merged into the Department of Energy (DOE). This mandatory report is prepared in accordance with the FERC's Uniform System of Accounts for private utilities and licensees. In 1990, the wholesale trade schedules were modified. The Summary of Interchange schedule was absorbed by the Purchased Power Schedule and the Transmission For and By Others schedule was changed from a narrative format into two separate tabular collection schedules. In addition to these schedule changes, the statistical classifications covering the data filed on these schedules were adjusted.

Uniformity of Treatment.

The uniformity of treatment accorded the utilities' statements in this report will generally permit ready comparison of items among the utilities included in the compilations. These statements were filed by all "major" investor-owned electric utilities subject to the FERC accounting jurisdiction.

The Uniform System of Accounts prescribed for use by electric utilities under the FERC's jurisdiction was prepared in cooperation with the National Association of Regulatory Utility Commissioners.¹¹ In all material respects, the Uniform System of Accounts conforms with the Association's approved system adopted by certain State commissions. The "major" investor-owned electric utilities are required to follow the Uniform System of Accounts. In the presentation of individual utility data, the utilities are grouped according to the survey form and the class of ownership to which the utility belongs. The 502 publicly owned electric utilities that filed the EIA-412 in 1994 are requested to follow the Uniform System of Accounts when making their filings.

No attempt has been made to consolidate (in the technical accounting sense) the accounts of the utilities included in the summary statement of this report. The combined totals represent the arithmetic sum of accounts as reported by the individual utilities. Consequently, duplications exist to a limited extent in the composite totals shown in several statements. Therefore, as a result of mergers, consolidations, and sales of properties to public authorities, as well as the introduction of new utilities, the dollar and quantity figures presented in the report will not be representative of exactly the same properties from year to year.

FERC Form 1-F, "Annual Report of Nonmajor Public Utilities and Licensees"

Summary of Primary Purpose.

FERC Form 1-F is used to collect limited accounting, financial, and operating data annually from investor-owned electric utilities that are not classified as "major," and had total sales in each of the last 3 consecutive years of 10 million kilowatthours or more.

Instrument and Design History.

FERC Form 1-F was implemented by the FPC regulations under the authority of the Federal Power Act as FPC Form 1-F for the year 1961 and thereafter. In October 1977, the FPC was merged into the DOE. This mandatory report is prepared in accordance with the FERC's Uniform System of Accounts for Private Utilities and Licensees.

Publication--FERC Form 1 and Form EIA-412

Data on plant construction cost, production expenses, generating equipment characteristics, and other relevant operating data are no longer published.

Financial data can be found in the *Financial Statistics of Selected Investor-Owned Electric Utilities 1994* and *Financial Statistics of Selected Publicly Owned Electric Utilities 1994*. These data include the following: income and earnings, taxes, depreciation and amortization, distribution of salaries and wages, electric utility operating revenues, electric utility operation and maintenance expenses, and generating plant statistics. Planned construction data, year-end balance sheets, and general corporate information are also included.

Information Collected on FERC Form 1, Form EIA-412, and Form EIA-861

Reported data selected from FERC Form 1 include sales for resale, purchased power, exchanges, and wheeling, while the reported data selected from Form EIA-412 include only sales for resale and purchased power.

"Electric Energy Account Summary data" for the municipals, cooperatives, Federal power marketing administrations, and the Tennessee Valley Authority were summarized from Form EIA-861. Form EIA-861 is used to collect information for EIA on the statistics of electric utilities and their generation, transmission and distribution of electric energy in the United States, its territories, or Puerto Rico. Form EIA-861 is mandatory under Public Law 93-275, the Federal Energy Administration Act of 1974.

Rural Electrification Administration Cooperative Utilities

In an effort to broaden the coverage in this report of the electric utility industry, information has been included from the Cooperative Borrowers of the Rural Electrification Administration (REA). These data are based on financial and statistical information submitted to the RUS in 1994.

The operating data collected by the RUS furnish information needed for checking the security of government loans, the preparation of estimates used in forecasting expenses for future loans, and allow the RUS to fulfill its reporting obligations. The reports prepared by the cooperative utilities must accurately reflect the financial data as shown by their books of account.

¹¹ The National Association of Regulatory Utility Commissioners includes members of the railroad, public utilities, and public service commissions of the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and the territory of the Virgin Islands. The following Federal regulatory agencies also were included: the Interstate Commerce Commission, the Federal Energy Regulatory Commission, the Federal Communication Commission, and the Securities and Exchange Commission.

Confidentiality of the Data.

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

Quality of Data

The Office of Coal, Nuclear, Electric and Alternate Fuels is responsible for routine data improvements and quality-assurance activities in accordance with standards established by EIA. These standards are the measuring rod necessary for quality statistics. Data-improvement efforts include follow-up on nonrespondents, verification of data-keyed input by automatic computerized methods, and editing by subject-matter specialists.

Completed forms received by the Office of Coal, Nuclear, Electric and Alternate Fuels are sorted, screened for completion of reported information, and keyed onto computer tapes for storage and transfer to data bases on random access storage devices for computer processing. The information coded on the computer tapes is spot-checked against the data reported on the forms to certify accuracy of the tapes. 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 an EIA data form as prescribed in the instructions. Before invoking the law, EIA tries to obtain the required information by encouraging cooperation of nonrespondents.

The individual utility identification codes for new and existing entities are edited prior to being sent for data entry. Additional edit checks of these data are performed through computer programs. The program edits include both deterministic checks, in which records are checked for the presence of data in required fields, and statistical checks, in which the data are checked against a range of values based on historical data values and for logical or mathematical consistency with data elements reported in the form. Discrepancies arising as a result of these checks are resolved either by the processing office or by a telephone call to the company concerned.

Data Validation Procedures

The methodology used to develop this report is based on procedures and techniques routinely employed in data requirement reviews and data validation projects conducted by and for EIA. The four-step process used consists of: (1) identifying patterns of respondent misreporting and inconsistencies in reporting between respondents; (2) analyzing each problem identified to develop probable causes; (3) correcting the identified problems; and (4) modifying the forms and/or

instructions to eliminate or minimize future occurrences. The objective of the process is to make improvements that will:

- Improve the readability, accuracy, and meaningfulness of the data collected on wholesale electricity trade
- Reduce respondent burden by means of clarifying instructions, simplifying form layout, and eliminating unnecessary calculations
- Effect data standardization among the various forms used to collect wholesale electricity trade data
- Facilitate the computerization of wholesale electricity trade data to be collected in the future.

A variety of methods were used to identify reporting problems including:

- Manual pre-edit of FERC Form 1 and Form EIA-412 to identify nonstandard responses that could not be computerized as submitted by the respondent
- Manual review of selected forms to characterize patterns of reporting and misreporting and the type of respondents responsible
- Automated statistical reports (such as frequency counts) summarizing respondent reporting regarding individual data items
- Automated interform data validation to identify inconsistencies between aggregate level data reported by a respondent on Form EIA-861 and FERC Form 1
- Automated intraform data validation to identify reporting inconsistencies (such as, total does not equal the sum of the components)
- Automated interform data validation to identify inconsistencies between respondents reporting the same transaction (such as, the buyer and the seller of power reporting different quantities of energy delivered and received)
- Follow-up telephone calls are made to respondents (excluding those who filed FERC Forms) regarding confusing and/or inaccurate entries. Questions on the accuracy of filings made to the FERC are handled at the discretion of FERC staff.

The causes of misreporting and inconsistent reporting were identified principally by studying in detail the form layouts and instructions, and identifying patterns and trends in misreporting among all respondents. Considerable judgment was necessary in developing probable causes since all respondents could not be systematically contacted regarding errors. As an alternative, explanatory footnotes found in the completed forms, supplementary pages, and manual checks were used to confirm and validate the data. Once probable causes were identified, modification of the forms was straightforward.

Data Edits

The data used for this publication are limited to those reported by respondent utilities. The following edit checks were used to identify missing or inaccurate data from the information that was initially reported by the respondent utilities.

- Energy--Sales for Resale and Purchased Power
 - No single transaction could exceed 4,380 million kilowatthours.
 - If sales or purchase transactions were reported, an energy receipt or delivery was required.
 - Reported totals or subtotals had to equal the sum of energy transactions.
- Energy--Interchanges (Exchanges)
 - No single transaction could exceed 4,380 million kilowatthours.
 - If interchange transactions were reported, an energy receipt or delivery was required.
 - Net energy received for a transaction had to equal total energy received minus energy delivered.
 - Reported totals or subtotals had to equal the sum of energy transactions.
- Revenue--Sales for Resale
 - Total revenue for a transaction had to equal the sum of reported revenue-demand, revenue-energy, and revenue-other.
 - Total revenue for a transaction divided by the kilowatthours sold for resale had to be in the range of 0.5 to 20 cents per kilowatthour.
 - Reported revenue totals or subtotals had to equal the sum of revenue transactions.
- Cost--Purchased Power
 - Total cost for a transaction had to equal the sum of demand, energy, and other costs.
 - Total cost of a transaction divided by kilowatthours purchased had to be in the range of 0.5 to 20 cents per kilowatthour.
 - Reported cost totals or subtotals had to equal the sum of cost transactions.
- Settlement--Interchanged Energy (Exchanges)
 - For transactions involving monetary settlement, the settlement amount divided by net kilowatthours received or delivered was required to be in the range of 0.5 to 20 cents per kilowatthour.
 - For settlement transactions involving monetary settlement, settlement amount was required to be positive if more energy was received than delivered; negative if more energy was delivered than received.
 - Reported totals and subtotals had to equal the sum of settlement transactions.

Adjustments

Since the Federal forms used to collect electricity trade data are essentially accounting forms, adjustment data are routinely provided so that submitted data will be consistent with the accounting systems of the utilities. Many respondents include adjustments, particularly those related to transactions occurring in the reporting year, as a component of the related transaction. However, adjustments to transactions occurring in previous years are aggregated with current year transactions or are listed separately (that is, rebates, overcharges, reclassifications, fuel cost adjustments, etc.).

Sales for Resale and Purchased Power

Sales for resale data are collected on FERC Form 1, Form EIA-412, RUS Form 7, and RUS Form 12. The primary sources of this information are FERC Form 1 and a few of the Form EIA-412's completed by Federal and State agencies. These respondents account for most of the wholesale electricity trade in the United States. The detailed data on sales for resale are not keyed into a machine-readable format by the RUS; therefore computer matching was not done.

Since sales for resale on Form EIA-412 is on a fiscal-year basis as opposed to calendar year, the Form EIA-412 data are not consistent with data collected on the other wholesale electricity trade schedules. Also wholesale electricity trade sales cannot be aggregated for all Form EIA-412 respondents because the respondents use different fiscal years. This is also true for the purchased power data. In 1989, the statistical classifications of the Form EIA-412 were modified to gather information on the types of electrical power and energy purchased and sold. The 1990 data reflect the collection of data using the enlarged statistical classification groupings.

The RUS Form 12, unlike FERC Form 1 and Form EIA-412, is not used to collect sales according to statistical classification (that is, firm, dump, and other power). The RUS does not process the sales for resale data reported on the RUS Forms 7 and 12. As such, cross-checking between buyers and sellers is less comprehensive. It also should be noted that Form EIA-412 was used to collect statistical classification data for both sales and purchased energy in 1994, while the RUS did not collect statistical classification data for either.

The purchased power schedules on Form EIA-412 and RUS Forms 7 and 12 does not include interchange (exchange) transactions. Form EIA-412 respondents are asked to report exchanges on a gross basis on the Energy Account Balance schedule. The RUS Forms 7 and 12 do not specifically address interchange (exchanges) transactions, but respondents are to report transactions on a net basis, if there is a cash payment.

Interchange (Exchange)

Both purchase and interchange costs fall under the Uniform System of Accounts No. 555, and were reported on two different schedules until 1990. In 1990, the Summary of Interchange Schedule was deleted from the FERC Form 1 and the information collected on that schedule were shifted to the Purchased Power Schedule. The FERC has determined, for their regulatory accounting purposes, that the term, "interchange," means energy that is only exchanged in kind. Historically, however, "interchange" has been used by the industry to mean all energy transfers between utilities (sales, purchases, exchanges, and wheeling) and it has resulted in inconsistent reporting.

Transmission For Others and By Others (Wheeling)

Detailed data on the Transmission For or By Others are collected only on FERC Form 1. Before 1990, respondents provided in a narrative format six basic elements of information for each wheeling transaction:

- Name of company and description of service
- Points of origin and termination of service
- Megawatthours received and delivered
- Monetary settlement
- Nonmonetary settlement
- Other explanations needed to describe the transactions.

The FERC Form 1 was modified for the 1990 collection year. The narrative schedule was changed to two separate tabular formats. The Transmission For Others schedule now collects additional information on: payments made by, energy received from; energy delivered to; statistical classification; FERC rate schedule; disaggregation of monetary settlement into demand, energy, other, and total; and points of origin, termination of service, and nonmonetary settlement were all deleted. Transmission By Others now collects information on name of company; megawatthours received and delivered; and expenses for transmission of electricity by others (e.g., demand, energy, other, and total).

Difference between Publication Methodologies

The Federal Energy Regulatory Commission modified the FERC Form 1 in 1990 in order to handle better their responsibilities under the Federal Power Act. New information was requested that included statistical classification categories which collected data on power and energy transactions based on the original contractual terms and conditions. Because of this new information, the firm, nonfirm, and miscellaneous publication categories used in prior years were adjusted to handle these new classifications.

In prior publications, firm trade was defined as any transaction in which the charges had to include a demand charge. Firm trade data were then separated into two groups. The first group included transactions with demand charges where no quantities of energy were delivered or received (possible under "take or pay contracts"), and the second included quantities of energy that were traded with an "Energy," and sometimes, "Other" charge. (The "Other" charge in the firm category covers associated payments made on utility transactions for expenses associated with operating and/or renting physical facilities such as transmission lines and substations).

The differences between nonfirm electricity trade and the firm categories is that no demand charges are involved in the nonfirm transactions. The energy charge plus any "Other" charges associated with those transactions represented the value of these nonfirm transactions. The last grouping, "Other," includes transactions which did not include a demand or energy charge. (The filing electric utilities usually did not provide descriptive explanations.) However, from the footnotes provided and the account descriptions, data in this category do include: purchasing or maintaining operating reserve expenses; stability and reliability standards expenses; transmission line and other facility rentals; and other system operating charges.¹²

For this publication, the revised FERC classifications were used for inputs which helped define the firm, economy, and other electricity trade categories. Form redesigns implemented in reporting year 1990 for both FERC Form 1 and Form EIA-412 permitted respondent reported data to be used to differentiate between firm and nonfirm power trades.

The following list shows the type-of-trade categories reported by the FERC Form 1 and the Form EIA-412 respondents.

- FERC Form 1
 - Requirements (RQ)
 - Long-Term (LF)
 - Intermediate Firm (IF)
 - Short-Term Firm (SF)

¹² FERC Form 1 provides summary totals for electric operation and maintenance expenses. Pages 320-323 of FERC Form 1, under the schedule "Electric Operation and Maintenance Expenses," include information on power production, transmission, and distribution expenses (Uniform System of Accounts 500 to 935). These summary data are reported in the EIA publication, *Financial Statistics of Selected Investor-Owned Electric Utilities*, DOE/EIA-0437(94). This information cannot be linked to the individual transactions.

- Long-Term
- Intermediate Firm (IF)
- Short-Term Firm (SF)
- Long-Term Unit (LU)
- Intermediate Unit (IU)
- Exchange Power (EX)
- Other Service (OS)
- Adjustments (AD)
- Form EIA-412
 - Firm Power (FP)
 - Unit Power (UP)
 - Economy Power (EP)
 - Dump Power (DP)
 - Maintenance/Emergency Power (ME)
 - Operating Reserve (OR)
 - Other Capacity/Energy (OT).

Appendix A provides the FERC Form 1 definitions found on pages 310 and 326. Form EIA-412 definitions are found on Schedules V and VII of the form.

Like previous years, 1994 transactions without energy receipts or deliveries but with demand charges are classified as firm, "demand charge only" trade. FERC Form 1 and Form EIA-412 respondents do not always report type of trade data, which results in missing data. Likewise, data is missing for cooperatives, since they are not required to report the type-of-trade on the Rural Utilities Service (RUS) Forms RUS-7 and RUS-12. Imputations for missing type-of-trade data are performed according to the following procedures:

- Purchased Power. If the respondent utility (the purchasing utility) reported no net generation on the 1994 Form EIA-861, then the trade is classified as firm. Otherwise the trade is classified as economy.

Data Revisions

The foregoing edits identified data errors. Data inaccuracies resulting from transcription and typographical errors, reporting in the wrong units (for example, kilowatthours instead of megawatthours) and arithmetic errors were corrected after discussions with respondents. Many suspected data errors were found to be correct as reported. Explanations provided by respondents included:

- The transaction was an energy or monetary adjustment to information previously reported. Adjustments reflected settlement of contract disputes, reimbursement of overcharges, or accounting errors and often were one-time bookkeeping corrections.
- The transaction involved large demand charges, but a small amount of energy was delivered.

- The transaction was a nonstandard operating condition such as loop and inadvertent energy flow, emergency power deliveries, or sale of energy under a purchase contract.
- The transaction was for access rights or the lease of equipment used in the sale or purchase of energy.
- The transaction was between two associated utilities or a utility and a power pool reporting internal energy, revenue, or cost accounting practices (for example, allocations).

Consistency Checks

In addition to edit checks, data consistency checks were performed to improve the quality of the data presented in this publication. The consistency checks involved comparing, when possible, Sales for Resale data (revenue and energy) reported by one respondent with the purchased power data (cost and energy) reported by the respective buyers of the energy. Discrepancies of more than 10 percent were discussed with both the selling and the buying utilities to determine if a reporting error had been made. A similar procedure was used to confirm data inconsistencies between utilities that interchanged energy.

Consistency checks identified data errors, but discussions with respondents determined that most of the data were correct as reported. Reasons provided included:

- A sale or purchase by one utility was considered an interchange by the other utility in the transaction.
- Sales, purchases, and interchanges for noninvestor-owned utilities transacted late in the year can be reported in the year in which the transaction occurred or in the following year in which they are booked.
- Data submitted by a utility can cover different reporting periods depending upon the requirements of the forms; Form EIA-412 is a report of the utility's fiscal year while the other forms are for a calendar year.
- Different accounting and reporting procedures are used for recording loop and inadvertent energy flow, equipment and lease charges, service fees, fuel and other adjustments, and corrections to previously reported information.

Corrections

Corrections were made to the data when missing or inaccurate data were provided by the respondent. Missing and inaccurate information identified during data automation and report preparation were discussed with respondents during the edit process either to correct the data supplied, or to confirm the values. In all cases, the forms were reviewed during the edit process with the respondent, and changes were made at the direction of the respondent.

Explanatory Notes

Data are reported on FERC Form 1 in accordance with the FERC's Uniform System of Accounts. Data are reported on the RUS Forms 7 and 12 in accordance with the RUS Uniform System of Accounts (based on the FERC System, with minor modifications). Copies of the *Uniform System of Accounts Prescribed for Both Private and Cooperative Borrowing Electric Utilities* are available from the U.S. Government Printing Office (GPO).

General Information

Use of the Glossary

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

Obtaining Copies of the Data

This publication is available on a subscription basis from the Superintendent of Documents, U.S. Government Printing Office (GPO). Make check or money order payable to the Superintendent of Documents. You may send your order to the GPO or the National Technical Information Center (NTIC). GPO and NTIC prices are subject to change without advance notice.

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Glossary

Accounting System: A system of recording accounting data for a utility or company; or of supplying accounting information for controlling, evaluating, planning, and decision-making.

Administrative and General Expenses: Expenses of an electric utility relating to the overall directions of its corporate offices and administrative affairs, as contrasted with expenses incurred for specialized functions. Examples include office salaries, office supplies, advertising, and other general expenses.

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

Associated Company (Affiliated): A company that is either directly or indirectly controlled by or owned by another firm or holding company.

Automatic Generating Control: The regulation of the power output of electric generators within a prescribed control area in response to changes in system frequency. The line loading or the relation of these to each other, so as to maintain the scheduled system frequency and/or establish interchange with other areas within predetermined limits.

Available but not Needed Capability: Net capability of main generating units that are operable but not considered necessary to carry load, and cannot be connected to load within 30 minutes.

Average Water Conditions: The amount and distribution of precipitation within a drainage basin, and the run-off conditions present, as determined by reviewing the area water supply records over a long period of time.

Backup Power: Electric energy supplied by a utility to replace power and energy lost during an unscheduled equipment outage.

Base Bill: A charge calculated by taking the rate from the appropriate electric rate schedule and applying it to the level of consumption.

Base Rate: A fixed amount charged each month for any of the classes of utility service provided to a customer.

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

Baseload Capacity: The generating equipment normally operated to serve loads on a round-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.

Black Start Capability: The ability of a generating unit or station to go from a shutdown condition to an operating condition and start delivering power without assistance from the power system.

Block Rate Schedule: An electric rate schedule with a provision for charging a different unit cost for various increasing blocks of demand or energy. A reduced price is charged on succeeding blocks.

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

Boiler Fuel: An energy source to produce heat that is transferred to the boiler vessel in order to generate steam or hot water. Fossil fuel is the primary energy source used to produce heat for boilers.

Borderline Customer: A customer located in the service area of one utility, but supplied by a neighboring utility through an arrangement between the utilities.

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.

Bulk Power System: The interconnected electrical systems comprising generation and transmission facilities on which faults or disturbances can have a significant effect outside the local area.

Bulk Power Transactions: The wholesale sale, purchase, exchange of electricity, and/or transmission services (wheeling) among electric utilities. Bulk power transactions are used by electric utilities for many different aspects of electric utility operations, from maintaining load to reducing costs.

Bus: An electrical conductor which serves as a common connection for two or more electrical circuits.

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.

Capability Margin: The difference between net system capability and system peak load. Nationally, it is the difference between aggregate net system capability and the sum of system peak loads without allowance for time diversity between the loads of the individual systems. Regional computations take into account the diversity between peak loads of the systems that coordinate operations. This margin indicates the capability available to provide for scheduled maintenance, emergency outages, system operating requirements, and unforeseen loads.

Capability, Emergency Transfer: The amount of power transfer allowed between areas or within an area when operating to meet NERC emergency criteria contingencies.

Capability, Normal Transfer: The amount of power transfer allowed between areas or within an area when operating to meet NERC normal criteria contingencies.

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 as the full-load rating.

Capacity (Nameplate): The amount of electric power delivered or required for which a generator, turbine, transformer, transmission circuit, station, or system is rated by the manufacturer.

Capacity Charge: An element in a two-part pricing method used in capacity transactions (energy charge is the other element). The capacity (demand) charge is assessed on the amount of capacity being purchased.

Capacity Factor: The ratio of the average load on the generating unit, generating plant, or other electrical apparatus during a specified period of time during its operations.

Capacity Transaction: The acquisition of a specified quantity of generating capacity from another utility for a specified period of time. The utility selling the capacity is obligated to make available to the buyer a specified quantity.

Certificate: A type of permit for public convenience and necessity issued by a utility commission, which authorizes a utility or regulated company to engage in business, construct facilities, provide some services, or abandon service.

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

Circuit-Mile: The total length in miles of separate circuits regardless of the number of conductors used per circuit.

Classes of Service: Customers grouped by similar characteristics in order to be identified for the purpose of setting a common rate for electric service. Usually classified into groups identified as residential, commercial, industrial, governmental, or other similar groupings within each major classification.

Code of Federal Regulations: A compilation of the general and permanent rules of the executive departments and agencies of the Federal Government as published in the Federal Register. The Code is divided into 50 titles that represent broad areas subject to Federal regulation. Title 18 contains the FERC's regulations.

Cogeneration: The sequential or simultaneous process in which useful heat/steam is generated, used in a variety of process applications, and then directed into a turbine to generate electricity and/or mechanical work from the useful thermal energy still available for use.

Cogenerator: A generating facility that produces electricity and another form of useful thermal energy (such as heat or steam), used for industrial, commercial, heating, or cooling purposes.

Combined Cycle: A cogeneration technology in which additional electricity is produced sequentially from the otherwise lost waste heat exiting from one or more gas-fired turbines. The exiting heat flow is routed to an exhaust-fired conventional boiler or to a heat recovery steam generator for utilization by a steam turbine in the production of electricity. This process increases the efficiency of an electric generating system by turning the rejected heat into thermal steam rather than discharging it into the atmosphere.

Commercial and Industrial: Classes of service supplied to a similar grouping of customers. These customer groupings are usually subdivided into smaller segments by classifying such customers as commercial or industrial using the Federal Government's Office Of Management and Budget's Standard Industrial Classification Guide and/or a scale of energy usage as yardsticks; other customers are reclassified as commercial or industrial when their demands or annual use exceeds some specified limit. These limits are generally based on a utility's rate schedules, except for those customers who are supplied under special contracts or agreements calling for particular services.

Commingling: The mixing of one utility's generated supply of electric energy with another utility's generated supply within a transmission system.

Commission: An agency of government usually composed of three or more members charged with specific duties, functions, and responsibilities.

Conductor: Metal wires, cables, and bus-bar used for carrying electric current. Conductors may be solid or stranded, that is, built up by an assembly of smaller solid conductors.

Connected Load: The sum of the continuous ratings or the capacities for a system, part of a system, or a customer's electric power consuming apparatus.

Contingency: The unexpected event, usually the loss of one or more segments in the interconnected electrical power system.

Cooperative (electric utility): An electric utility legally established to be owned by and operated for the benefit of those using its services. The utility company will generate, transmit, and/or distribute supplies of electric energy to a specified area not being serviced by another utility. Such ventures are generally exempt from the Federal income tax laws. Most cooperatives have initially been financed by the U.S. Department of Agriculture's Rural Electrification Administration.

Coordination Service: Coordination service generally involves the sale, exchange, or transmission of electricity between two or more electric utilities that typically have sufficient generation and transmission capacity to supply their load requirements under normal conditions.

Coordination Service Pricing: The typical price components of a bulk power coordination sale are an energy charge, a capacity, or reservation charge, and an adder. The price for a particular sale may embody some or all of these components. The energy charge is made on a per-kilowatt-hour basis and is intended to recover the seller's system incremental variable costs of making a sale. Since the nonfuel expenses are usually hard to quantify and small relative to fuel expense, energy charges quoted are usually based on fuel cost. A capacity charge is set at a certain level per kilowatt and is normally paid whether or not energy is taken by the buyer. An adder is added to the energy charge to recover the hard-to-quantify nonfuel variable costs. There are three types of adders: percentage, fixed, and split-savings. A percentage adder increases the energy charge by a certain percentage. A fixed adder, adds a fixed amount per kilowatt-hour to the energy charge. Split-savings adders are used only in economy energy transactions. They split production cost savings between the seller and the buyer by adding one-half of the savings to the energy cost.

Cost: The amount paid to acquire resources such as plant and equipment, fuel, or labor services. Fixed costs in the electric utility industry are associated with resources that cannot be changed easily during a short time span (such as plant and equipment) and are independent of the level of generation. Variable costs are associated with resources that can vary during a given time period (such as fuel or labor services) and are directly related to the level of generation.

Cost of Service: A ratemaking concept used for the design and development of rate schedules to ensure that the filed rate schedules recover only the cost of

providing the electric service at issue. This concept attempts to correlate the utility's costs and revenue with the service provided to each of the various customer classes.

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

Deliveries (Electric): Energy generated by one system and delivered to another system through one or more transmission lines.

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 Charge: That portion of the consumer's bill for electric service based on the consumer's maximum electric capacity usage and calculated based on the billing demand charges under the applicable rate schedule.

Demand Charge Credit: Compensation received by the buyer when the delivery terms of the contract cannot be met by the seller.

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

Dependable Capacity: The load-carrying ability of a station or system under adverse conditions for a specified period of time.

Diesel-Electric Plant: A generating station that uses diesel engines to drive its electric generators.

Direct Current (DC): An electric current that flows in a constant direction. The magnitude of the current does not vary or has a slight variation.

Dispatching: The operating control of an integrated electric system involving operations such as (1) the assignment of load to specific generating stations and other sources of supply to effect the most economical supply as the total or the significant area loads rise or fall; (2) the control of operations and maintenance of high-voltage lines, substations, and equipment; (3) the operation of principal tie lines and switching; (4) the scheduling of energy transactions with connecting electric utilities.

Distribution system: The portion of the transmission lines and facilities of an electric system off the bulk power system that is dedicated to delivering electric energy to an end-user.

Disturbance: Severe oscillations or severe step changes of current, voltage and/or frequency usually caused by faults.

Disturbance (System): An event resulting in widespread interruptions and characterized by one or more of the following phenomena: the loss of power system

stability: cascading outages of circuits; abnormal ranges of frequency or voltage or both.

Diversity: The electric utility system's load is made up of many individual loads that make demands upon the system usually at different times of the day. The individual loads within the customer classes follow similar usage patterns, but these classes of service place different demands upon the facilities and the system grid. The service requirements of one electrical system can differ greatly from another by time of day usage, facility usage, and/or demands placed upon the system grid.

Diversity Exchange: An exchange of capacity or energy, or both, between systems whose peak loads occur at different times.

Diversity Factor: The ratio of the sum of the non-coincident maximum demands for two or more loads to their coincident maximum demand for the same time period.

Docket: A formal record of a Federal Energy Regulatory Commission proceeding. These records are available for inspection and copying by the public. Each individual case proceeding is identified by an assigned number.

DOE: Department of Energy.

Double-circuit Line: A transmission line having two separate circuits. Since each carries three-phase power, at least six conductors, three per circuit, are required.

Dual-Fired Unit: A generating unit that can produce electricity using two or more input fuels. In some of these units only the primary fuel can be used continuously; the alternate fuel(s) can be used only as a start-up fuel or in emergencies.

Dump Energy: Energy generated in a hydroelectric plant by water that cannot be stored or conserved and which energy is in excess of the needs of the system producing the energy.

Economy Energy: Energy produced and supplied from a more economical source in one system, substituted for that being produced or capable of being produced by a less economical source in another system.

Economy of Scale: A proposition that relatively larger production facilities have lower unit costs than smaller facilities. Economy of scale may exist for any of the phases of operation: generation, transmission, or distribution.

EIA: The Energy Information Administration. An independent agency within the U.S. Department of Energy that develops surveys, collects energy data, and analyzes and models energy issues. The Agency must meet the requests of Congress, other elements within the Department of Energy, the Federal Energy Regulatory Commission, the Executive Branch, its own independent needs, and assist the general public,

or other interest groups, without taking a policy position.

Electric Current: The number of electrons per unit of time moving past a point in a conductor.

Electric Energy: The ability of an electric current to produce work, heat, light or other forms of energy. It is measured in kilowatthours.

Electric Expenses: The cost of labor, material, and expenses incurred in operating a facility's prime movers, generators, auxiliary apparatus, switching gear, and other electric equipment for each of the points where electricity enters the transmission or distribution grid.

Electric Plant (Financial): Assets comprising land, building, and equipment permanently employed.

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 Power: The rate at which electric energy is generated, transmitted, or consumed. Electric power is measured in watts or kilowatts.

Electric Power Industry: The public, private, and cooperative electric utility systems of the United States taken as a whole. This includes all electric systems serving the public: regulated investor-owned electric utility companies; Federal power projects; State, municipal, and other government-owned systems, including electric public utility districts; electric cooperatives, including generation and transmission entities (G & T's); jointly owned electric utility facilities, and electric utility facilities owned by a lessor and leased to an electric utility. Excluded from this list are the special purpose electric facilities or systems that do not offer service to the public.

Electric Power System: An individual electric power entity--a company, an electric cooperative, a public electric supply corporation like the Tennessee Valley Authority, a similar Federal department or agency like the Bonneville Power Administration, the Bureau of Reclamation or the Corps of Engineers, a municipally owned, electric department offering service to the public, or an electric public utility district (a "PUD"); also a jointly owned electric supply project such as the Keystone.

Electric Rate: The price set for a specified amount and type of electricity by class of service in an electric rate schedule or sales contract.

Electric Rate Schedule: A statement of the electric rate and the terms and conditions governing its application, including attendant contract terms and conditions that have been accepted by a regulatory body with appropriate oversight authority.

Electric System Loss: Total electric energy loss from all causes for a electric utility.

Electric Utility: A corporation, person, agency, authority, or other legal entity or instrumentality that owns and/or operates facilities within the United States, its territories, or Puerto Rico for the generation, transmission, distribution, or sale of electric energy, primarily for use by the public and files forms listed in the Code of Federal Regulations, Title 18, Part 141. Facilities that qualify as cogenerators or small power producers under the Public Utility Regulatory Policies Act of 1978 and exempt wholesale generators under the Energy Policy Act of 1992 are not considered electric utilities.

Electrical System Energy Losses: The amount of energy lost during generation, transmission, and distribution of electricity, including plant and unaccounted for use.

Electricity: A form of energy generated by friction, induction, or chemical change that is caused by the presence and motion of elementary charged particles of which matter consists.

Emergency: The failure of an electric power system to generate or deliver electric power as normally intended, resulting in the cutoff or curtailment of service.

Emergency Energy: Electric energy provided for a limited duration, intended only for use during emergency conditions.

Emergency, (Major): A situation usually accompanied by abnormal frequency, abnormal voltage and/or equipment overloads which might seriously affect the reliability of the bulk power system.

Emergency (System): An emergency is considered to exist in an area if firm load may have to be shed because sufficient power or energy is unavailable in that area or in a portion of it after due allowance for purchases.

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 Broker System: Introduced into Florida by the Public Service Commission, the energy broker system is a system for exchanging information that allows utilities to efficiently exchange hourly quotations of prices at which each is willing to buy and sell electric energy. For the broker system to operate, utility systems must have in place bilateral agreements between all potential parties and must have transmission arrangements between all potential parties which allow the exchanges to take place.

Energy Charge: That portion of the charge for electric service based upon the electric energy (expressed in kilowatthours) consumed or billed.

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

Energy Loss (Power): The difference between energy input and output as a result of transfer of energy between two points. The loss changed to the equivalent power rating is sometimes referred to as capacity loss.

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

Energy Source: The primary fuel or transfer medium that provides the heat/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.

End-User: The final consumer of electricity.

Exchange Energy: Electric energy received by an electric utility system usually in exchange for energy delivered to the other system at another time or place. Exchange energy is to be distinguished from a direct purchase or sale, although accumulated energy balances are sometimes settled in cash.

Facilities Charge: An amount to be paid by the customer in a lump sum, or periodically as reimbursement for facilities furnished. The charge may include operation and maintenance as well as fixed costs.

Facility: A location at which prime movers, electric generators, and/or equipment for converting mechanical, chemical, and/or nuclear energy into electric energy are situated. A facility may contain more than one type of prime mover. For cogenerators, the facility includes the industrial or commercial process.

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 impact of this failure/hazard may require the imposition of a special operating procedure, the extended purchase of emergency power, and/or other bulk power system actions.

Federal Energy Regulatory Commission (FERC): The independent Federal regulatory agency with jurisdiction over interstate electricity sales, wholesale electric rates, hydroelectric licensing, natural gas pricing, oil pipeline rates, and gas pipeline certification.

Federal Power Act: Enacted in 1920, and as amended in 1935, the Act consists of three parts. The first part incorporated the Federal Water Power Act

administered by the former Federal Power Commission, whose activities were confined almost entirely to licensing non-Federal hydroelectric projects. Parts II and III were added with the passage of the Public Utility Act. These parts extended the Act's jurisdiction to include regulating the interstate transmission of electrical energy and rates for its sale as wholesale electricity in interstate commerce. The Federal Energy Regulatory Commission is now charged with the administration of this law.

Federal Power Commission: The predecessor agency of the Federal Energy Regulatory Commission. The Federal Power Commission was created by an Act of Congress under the Federal Water Power Act on June 10, 1920. It was charged originally with regulating the electric power and natural gas industries. It was abolished on September 30, 1977, when the Department of Energy was created. Its functions were divided between the Department of Energy and the Federal Energy Regulatory Commission, an independent regulatory agency.

Feeder Line: An electrical line that extends radially from a distribution substation to supply electrical energy within an electric service area or sub-area.

FERC: The Federal Energy Regulatory Commission.

FERC Guidelines: A compilation of the Federal Energy Regulatory Commission's enabling statutes, procedural and program regulations, and orders, opinions and decisions.

File Rate Schedule: The rate for a particular electric service, including attendant contract terms and conditions, accepted for filing by a regulatory body with appropriate oversight authority.

Filing: Any written application, complaint, declaration, petition, protest, answer, motion, brief, exception, rate schedule, or other pleading, amendment to a pleading, document, or similar paper that is submitted to a utility commission.

Final Order: A final ruling by FERC that terminates an action, decides some matter litigated by the petitioning parties, operates to some right, or completely disposes of the subject matter.

Firm Power: Electric power intended to meet the load requirement of a utility's customers; there is no planned interruption of services with this type of sale. Utilities may sell capacity for a limited duration and time to other utilities and these types of contractual transactions are also referred to as firm power.

Firm Service: The commitment of generation and/or transmission service to a customer under a filed rate schedule to which the parties to the service anticipate no planned interruption. The allocation of the utility's resources may be system wide, or only for a named unit; the time of availability is usually prescribed as well.

Fiscal Year: A financial year based on a predetermined starting date. The Federal Government's

12-month financial year runs from October 1 through September 30.

Force Majeure Clause: An occurrence generally beyond the control of the buyer or seller in which relief is given by this clause to the parties involved in an agreement. This event, which results in nonperformance of terms in a contract, reliability standards, or operating agreements, will typically relieve a buyer or seller of liability for damages. Some financial or other compensation relief may be available, if additional terms or conditions are written into the contract concerning unexpected problems beyond the control of the parties.

Forced Outage: The shutdown of a generating unit, transmission line or other facility, for emergency reasons or a condition in which the generating equipment is unavailable for load because of unanticipated breakdown.

Frame: All units (i.e., electric utilities) that comprise the population of interest to a given survey. Sub-units may in some instances only be represented in groups, but complete coverage is maintained.

Fuel Emergency: 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 the 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 supplies.

Full-Forced Outage: The net capability of main generating units that are unavailable for load for emergency reasons.

Gas-Turbine Plant: A plant in which the prime mover is a gas turbine. A gas turbine consists typically of an axial-flow air compressor, one or more combustion chambers where liquid or gaseous fuel is burned and the hot gases are passed to the turbine; where the hot gases expand to drive the generator and then are used to run the compressor.

Generally Accepted Accounting Principles (GAAP): Defined as the conventions, rules, and procedures necessary to define accepted accounting practice at a particular time; includes both broad guidelines and relatively detailed practices and procedures.

Generating Station: A station which consists of electric generators and auxiliary equipment for converting mechanical, chemical or nuclear energy into electric energy.

Generating Unit: An electric generator together with its prime mover.

Generation: The process of producing electric energy by transforming other forms of energy; also, the amount of electric energy produced, expressed in kilowatthours.

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

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

Generation Rejection: The process of deliberately removing preselected generation from a Power System in response to an abnormal condition in order to maintain the integrity of the system; sometimes also called generator dropping.

Geothermal Energy: Energy from the internal heat of the earth which may be residual heat, friction heat, or a result of radioactive decay. The heat is found in rocks and fluids at various depths and can be extracted by drilling and/or pumping.

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.

Grid: The layout of an electrical system.

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

Gross Head: A dam's maximum allowed vertical distance between the upstream's surface water (headwater) forebay elevation and the downstream's surface water (tailwater) elevation at the tail-race for reaction wheel dams or the elevation of the jet at impulse wheel dams during specified operation and water conditions.

Head: The product of the water's weight and a usable difference in elevation gives a measurement of the potential energy possessed by water.

Holding Company: A corporation (parent company) that directly or indirectly owns a majority of all of the voting securities of one or more companies located in the same, contiguous States, or operating independent integrated public utility systems in noncontiguous States. A holding company is so structured to bring companies that can best be operated as part of an integrated public utility system under one management.

Many States do not permit or authorize a registered utility company to acquire ownership or operation of an electric or gas utility company serving substantially the same territory. The Securities and Exchange Commission, as administrator of the Public Utility Holding Company Act of 1935, defines a holding company as "a company which...owns, controls...10 percent or more of the outstanding voting securities of a public utility company."

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

Hybrid Transmission Line: A double-circuit line which has one alternating current circuit and one direct current circuit. The AC circuit usually serves local loads along the line.

Hydraulic Head: The distance between the respective elevations of the upstream's water surface (headwater) above and the downstream surface water (tailwater) below a hydroelectric power plant.

Hydroelectric Energy: The production of electricity from kinetic energy in flowing water.

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

Hydroelectric Plant Capacity: This capacity figure is a function of fluid flow losses, hydraulic turbines, head, and water flow. The minimum net head limits the firm capacity of the plant.

Hydroelectric Power: The harnessing of flowing water to produce mechanical or electrical energy.

Hydroelectric Project: The complete development of a hydroelectric power site. This includes dams, reservoirs, transmission lines and accessories needed for the maintenance and operation of the powerhouse and any other hydroelectric plant support facilities.

Impedance: The opposition to power flow in an AC circuit. Also, applicable to any device that introduces such opposition, in the form of resistance, reactance, or both. The impedance of a circuit or device is measured as the ratio of voltage to current, where a sinusoidal voltage and current of the same frequency are used for the measurement; measured in ohms.

Inadvertent Power Exchange: An unintended power exchange among utilities that is either not previously agreed upon or in an amount different from the amount agreed upon.

Incremental Energy Costs: The additional cost of producing and/or transmitting electric energy above some previously determined base cost.

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

physically to the equipment. Installed station capacity does not include auxiliary or house units.

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

Insulator: A material that is a very poor conductor of electricity. The insulating material is usually a ceramic or fiberglass when used in the transmission line and is designed to support a conductor physically and to separate it electrically from other conductors and supporting material.

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.

Integrated Gasification-Combined Cycle Technology: Coal, water, and oxygen are fed to a gasifier, which produces synthetic natural gas (syngas). This medium Btu gas is cleaned (particulates and sulfur compounds removed) and is fed to a gas turbine. The hot exhaust of the gas turbine and heat recovered from the gasification process are routed through a heat-recovery generator to produce steam, which drives a steam turbine to produce electricity.

Interchange Energy: Kilowatthours delivered to or received by one electric utility or pooling system from another. Settlement may be by payment, returned in kind at a later time or accumulated as energy balances until the end of the stated period.

Interconnected System: A system consisting of two or more individual power systems normally operating with connecting tie lines.

Interconnection: Two or more electric systems having a common transmission line that permits a flow of energy between them. The physical connection of the electric power transmission facilities allows for the sale or exchange of energy.

Interdepartmental Sales: Includes amounts charged by the electric department at tariff or other specified rates for electricity supplied by it to other utility departments.

Interdepartmental Service (Electric): Electricity supplied to departments of the electric utility company other than the electric generating department.

Interlocking Directorates: The holding of a significant position in management or a position on the corporate board of a utility, while simultaneously holding a comparable position with another utility, or with a firm doing business with the utility.

Intermediate Load (Electric System): The range from base load to a point between base load and peak. This point may be the midpoint, a percent of the peak load, or the load over a specified time period.

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 take 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 Power: Power and usually the associated energy made available by one utility to another which is subject to curtailment or cessation of delivery by the supplier in accordance with a prior agreement with the other party or under specified conditions.

Intervenor: A person, institution, or organization admitted as a participant to a proceeding.

Investor-Owned Electric Utility: A class of utility whose stock is publicly traded and which is organized as a tax-paying business, usually financed by the sale of securities in the capital market. It is regulated and authorized to achieve an allowed rate of return.

Island: A portion of a power system, or several power systems which is (are) electrically separated from the main grid.

Joint-Use Facility: A multiple-purpose hydroelectric plant. An example is a dam that stores water for both flood control and power production.

Jurisdictional Utilities: Utilities regulated by public laws.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Line Loss: Electric energy lost because of the transmission of electricity. Much of the loss is thermal in nature.

Load: The power provided to customers of a system. This may be further identified to more precisely indicate which portion of the system is being considered, (e.g., customer load, station auxiliary load, etc.).

Load, Firm: Power provided to customers that is continuously available on demand and which is subject to interruption only under extreme circumstances.

Load, Interruptible: Those loads that, by contract, can be interrupted in the event of a deficiency on the supplying system.

Load (Electric): The amount of electric power delivered or required at any specific point or points on a system. The requirement originates at the energy-consuming equipment of the customers.

Load Curve: The relationship of power supplied to the time of occurrence which illustrates the varying magnitude of the load during the period covered.

Load Diversity: The difference between the peak of coincident and noncoincident demands of two or more individual loads.

Load Factor: The ratio of the average load to peak load during a specified time interval.

Load Following: Regulation of the power output of electric generators within a prescribed area in response to changes in system frequency, tieline loading, or the relation of these to each other, so as to maintain the scheduled system frequency and/or the established interchange with other areas within predetermined limits.

Load Leveling: Any load control technique that dampens the cyclical daily load flows and increases baseload generation. Peak load pricing and time-of-day charges are two techniques that electric utilities use to reduce peak load and to maximize efficient generation of electricity.

Load Loss (3 hours): Any significant incident on an electric utility system which results in a continuous outage of 3 hours or longer to over 50,000 customers or more than one half of the total customers being served immediately prior to the incident, whichever is less.

Load Management Technique: Utility demand management practices directed at reducing the maximum kilowatt demand on an electric system, and/or modifying the coincident peak demand of one or more classes of service to better meet the utility system capability for a given hour, day, week, season, or year.

Load Reduction Request: The issuance of any public or private request to any customer or the general public to reduce the use of electricity for reasons of maintaining the continuity of service of the reporting entity's electric power supply system. Requests to a customer(s) served under provisions of an interruptible contract are not a reportable action unless the request is made for reasons of maintaining the continuity of service of the reporting entity's electric power supply.

Load Relief: Load reduction accomplished by voltage reduction and/or load shedding.

Load Shedding: Deliberate disconnection of customer load in response to an abnormal condition in order to maintain the integrity of the power system. Disconnection may be automatically or manually initiated. The routine use of load control equipment that reduces firm customer load is not considered to be a reportable action.

Loop Flow: The movement of electric power from generator to load by dividing along multiple parallel paths; it especially refers to power flow along an unintended path that loops away from the most direct geographic path, or contract path.

Low Head: Vertical difference of 100 feet or less in the upstream surface water elevation (headwater) and

the downstream surface water elevation (tailwater) at a dam.

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

Maximum Dependable Capacity, Net: The gross electrical output measured at the output terminals of the turbine generator(s) during the most restrictive seasonal conditions, less the station service load.

Median Streamflow: The middle rate of flow of water past a given point for which there have been several greater and lesser rates of flow occurring during a specified period.

Median Water Condition: The middle precipitation and run-off condition for a distribution of water conditions that have happened over a long period time; usually determined by examining water supply records of the periods in question.

Megawatt (MW): One million watts.

Megawatt-Electric (MW): One million watts of electric capacity.

Megawatthour (MWh): One million watthours.

Mill: A monetary cost and billing unit used by utilities; it is equal to 1/1000 of the U.S. dollar (equivalent to 1/10 of 1 cent).

Minimum Streamflow: The minimum rate of flow of water past a given point during a specified period.

Multiple Purpose Project: The development of hydroelectric facilities to serve more than one function. Some of the uses include hydroelectric power, irrigation, water supply, water quality control, and/or fish and wildlife enhancement.

Multiple Purpose Reservoir: Stored water and its usage governed by advanced water resource conservation practices to achieve more than one water control objective. Some of the objectives include flood control, hydro-electric power development, irrigation, recreation usage, and wilderness protection.

Municipality: A city, county, district, or a political subdivision of a State competent under the laws thereof to carry on the business of its charter.

National Association of Regulatory Utility Commissioners: An affiliation of the public service commissioners to promote the uniform treatment of members of the railroad, public utilities, and public service commissions of the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and the territory of the Virgin Islands.

Natural Streamflow: The rate of flow of water past a given point of an uncontrolled stream, or regulated streamflow adjusted to eliminate the effects of reservoir storage or upstream diversions at a set time interval.

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

Net Energy for System: The net generation of a group of plants that are electrically interconnected and centrally controlled, plus system receipts of any electrical energy from outside the system minus any system energy delivered to other electrical systems.

Net Generation: Gross generation less plant use, measured at the high-voltage terminals of a station's step-up transformer. The energy required for pumping at pumped-storage plants is regarded as plant use and must be deducted from the gross generation.

Net Head: The gross head minus all hydraulic losses except those chargeable to the turbine.

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

Net System Capability: The generating station capability of a system at a stated period of time (usually at the time of the system's maximum load) plus capability available at such time from other sources through firm power contacts less firm power obligations at such time to other companies or systems.

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

No-Load Loss: Power and energy lost by an electric system when not operating under demand.

Noncoincident Demand: Sum of two or more demands on individual systems that do not occur in the same demand interval.

Noncoincident 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.

Nonfirm Power: Power or power-producing capacity supplied or available under a commitment having limited or no assured availability.

Nonspinning Reserve: The generating capacity not currently running, but capable of being connected to the bus and load within a specified time.

Nonutility Generation: Electric generation by end-users, or small power producers under the Public Utility Regulatory Policies Act of 1978, to supply electric power for industrial, commercial, or sales to electric utilities.

Nonutility Power Producer: An enterprise that has electric generating capacity and is not an electric utility. Nonutility power producers include qualifying

cogenerators, qualifying small power producers, and other nonutility generators (including independent power producers) without a designated franchised service area, and which are not otherwise required to file forms listed in the *Code of Federal Regulations*, Title 18, Part 141.

North American Electric Reliability Council (NERC): A council formed in 1968 by the electric utility industry to promote the reliability and adequacy of the bulk power supply in the electric utility systems of North America. NERC consists of ten regional reliability councils and encompasses essentially all the power systems of the contiguous United States, Canada, and some in Mexico. The data summarized by NERC regions in this publication are limited to that portion applicable to the United States, thereby excluding that portion of NERC data applicable to Canada and Mexico. The NERC Regions are:

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

Nuclear 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: Period of relatively low system demand. These periods often occur in daily, weekly, and seasonal patterns; these off-peak periods differ for each individual electric utility.

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.

On-Peak: Periods of relatively high system demand. These periods often occur in daily, weekly, and seasonal patterns; these on-peak periods differ for each individual electric utility.

Operating Limit: The maximum value of the most critical system operation parameter(s) which meets: precontingency criteria as determined by equipment loading capability and acceptable voltage conditions; transient performance criteria; and post contingency loading and voltage criteria.

Order: A ruling issued by a utility commission granting or denying an application in whole or in part. The order explains the basis for the decision, noting any dispute with the factual assertions of the applicant. Also applied to a final regulation of a utility commission.

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

Other Sector: Electricity supplied to public street and highway lighting; other service to public authorities; service to railroads and railways; and interdepartmental service.

Other Service to Public Authorities: Electricity supplied to municipalities or divisions or agencies of State or Federal governments, under special contracts or agreements or service classifications applicable only to public authorities.

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 cause make these units unavailable.

Outage: The period during which a generating unit, transmission line, or other facility is out of service.

Output: The amount of power or energy produced by a generating unit, station, or system.

Peak Load: 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 operated 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 a 'round-the-clock basis.

Percent Difference: The relative change in a quantity over a specified time period. It is calculated as follows: the current value number has the previous value number subtracted from it, and this new number is divided by the absolute value of the previous value number; then this new number is multiplied by 100.

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

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.

Plant Hours Connected to Load: The number of hours the plant is synchronized to load over a time interval usually of 1 year.

Pole-Mile: A unit of measuring the simple length of a transmission line carrying electric conductors, without regard to the number of conductors carried.

Pondage: The amount of water stored behind a hydroelectric dam of relatively small storage capacity; the dam is usually used for daily or weekly control of the flow of the river.

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

Power (Electrical): An electric measurement unit of power called a voltampere is equal to the product of 1 volt and 1 ampere. This is equivalent to 1 Watt for a direct current system and a unit of apparent power is separated into real and reactive power. Real power is the work-producing part of apparent power that measures the rate of supply of energy and is denoted as kilowatts (kW). Reactive power is the portion of apparent power that does no work and is referred to as kilovars; this type of power must be supplied to most types of magnetic equipment, such as motors, and is supplied by generator or by electrostatic equipment. Voltamperes are usually divided by 1,000 and called kilovoltamperes (kVA). Energy is denoted by the product of real power and the length of time utilized; this product is expressed as kilowatthours.

Power Factor: The ratio of real power (kilowatt) to apparent power kilovoltampere for any given load and time.

Power Loss: The difference between power input and output as a result of transfer of energy between two points; sometimes referred to as capacity loss.

Power Pool: An association of two or more interconnected electric systems to provide better system reliability and efficiencies. Depending upon the degree of control authorized by the member utilities, these pools may be run under a single system dispatch to supply power to meet combined load requirements and maintenance programs, or just share the benefits of planned or hourly available wholesale sales of power and energy among the member utilities.

Power Production Plant: All the land and land rights, structures and improvements, boiler or reactor vessel equipment, engines and engine-driven generator, turbogenerator units, accessory electric equipment, and miscellaneous power plant equipment are grouped together for each individual facility.

Power System: A group of one or more generating sources and/or connecting transmission lines operated under common management or supervision to supply load.

Power Transfer Limit: The maximum power that can be transferred from one electric utility system to

another without overloading any facility in either system.

Powerhouse: A structure at a hydroelectric plant site that contains the turbine and generator.

Preliminary Permit (Hydroelectric Power): A single site permit granted by the FERC, which gives the recipient priority over anyone else to apply for a hydroelectric license. The preliminary permit enables the recipient to prepare a license application and conduct various studies for economic feasibility and environmental impacts. The period for a preliminary permit may extend to 3 years.

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

Price Squeeze: Discriminatory rates charged for wholesale electric power that impede competition for retail customers. A price squeeze occurs if an electric utility's price for wholesale service is higher in relation to its wholesale cost than its price for retail service is in relation to its retail costs.

Prime Mover: The engine, turbine, water wheel, or similar machine that drives an electric generator.

Proposed Rates: New electric rate schedule proposed by an applicant to become effective at a future date.

Prudence: Carefulness, precaution, attentiveness, and good judgment, as applied to action or conduct. A legal concept used by regulators to determine the costs to be allowed in a rate base.

Public Authorities: Electricity supplied to municipalities or divisions or agencies of State and Federal governments, usually under special contracts or agreements that are applicable only to public authorities.

Public Utility: Enterprise providing essential public services, such as electric, gas, telephone, water, and sewer, under legally established monopoly conditions.

Public Utility District: Municipal corporations organized to provide electric service to both incorporated cities and towns and unincorporated rural areas. Public utility districts, sometimes called "People's Utility Districts" or "Public Power Districts," operate in six States.

Publicly Owned Electric Utility: A class of ownership found in the electric power industry. This group includes those utilities operated by municipalities, and State and Federal power agencies.

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.

Purchased Power: Power purchased or available for purchase from a source outside the system.

Purchased Power Adjustment: A clause in a rate schedule that provides for adjustments to the bill when energy from other electric system is acquired and its cost varies from a specified unit base amount.

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

Qualifying Facility: A cogeneration facility or small power production facility that meets certain ownership, operating, and efficiency criteria established by the Federal Energy Commission pursuant to the Public Utilities Regulatory Policies Act of 1978 (See the Code of Federal Regulations, title 18, Part 282).

Rate Base: The value of property upon which a utility is permitted to earn a specified rate of return as established by a regulatory authority. The rate base generally represents the value of property used by the utility in providing service and may be calculated by any one or a combination of the following accounting methods: fair value, prudent investment, reproduction cost, or original cost. Depending on which method is used, the rate base includes cash working capital, materials and supplies, and deductions for accumulated provisions for depreciation, contributions in aid of construction, customer advances for construction, accumulated deferred income taxes, and accumulated deferred investment tax credits.

Rate Case: A proceeding, usually before a regulatory commission, involving the rates to be charged for a public utility service.

Rate of Return: The ratio of net operating income earned by a utility is calculated as a percentage of its rate base.

Rate of Return on Rate Base: The ratio of net operating income to a specified rate base, expressed as a percentage.

Rate Schedule (Electric): A statement of the financial terms and conditions governing a class or classes of utility services provided to a customer. Approval of the schedule is given by the appropriate ratemaking authority.

Rates: The authorized charges per unit or level of consumption for a specified time period for any of the classes of utility services provided to a customer.

Ratemaking Authority: A utility commission's legal authority to fix, modify, approve, or disapprove rates as determined by the powers given the commission by a State or Federal legislature.

Rating: A manufacturer's guaranteed performance of a machine, transmission line, or other electrical apparatus, based on design features and test data. The

rating will specify such limits as load, voltage, temperature, and frequency. The rating is generally printed on a nameplate attached to equipment and is commonly referred to as the nameplate rating, nameplate capacity, etc.

Reactance: A phenomenon associated with AC power characterized by the existence of a time difference between voltage and current variations.

Rectifier: A device for converting alternating current to direct current.

Regulated Streamflow: The rate of flow past a given point during a specified period that is controlled by reservoir water release operations.

Regulation, Procedures, and Practices: A utility commission carries out its regulatory functions through rulemaking and adjudication. Under rulemaking, the utility commission may propose a general rule or regulation change. By law, it must issue a notice of the proposed rule and a request for comments is also made; the Federal Energy Regulatory Commission publishes this in the Federal Register. The final decision must be published. A utility commission may also work on a case-by-case basis from submissions from regulated companies or others. Objections to a proposal may come from the commission or intervenors, in which case the proposal must be presented at a hearing presided over by an administrative law judge. The judge's decision may be adopted, modified, or reversed by the utility commissioners in which case those involved can petition for a rehearing, and may appeal a decision through the courts system to the U.S. Supreme Court.

Reliability (Electric System): A measure of the ability of the system to continue operation while some lines or generators are out of service. Reliability deals with the performance of the system under stress.

Renewable Energy Source: An energy source that is regenerative or virtually inexhaustible. Typical examples are wind, geothermal and water power.

Repowering: Replacement of the combustion technology in an aging generating plant with a new combustion technology, usually resulting in better performance and greater capacity.

Required Rate of Return: The minimum rate of return necessary to induce investors to buy or hold a given security. It equals the risk-free rate of interest, usually represented by the current yield on U.S. Treasury securities, growth potential, plus a risk premium.

Requirements Power: The firm service needs required by designated load plus losses from the points of supply.

Reserve Generating Capacity: Amount of generating capacity available to meet peak or abnormally high demands for power and to generate power during scheduled or unscheduled outages.

Reserve Margin (Operating): The amount of unused available capability of an electric power system at peak load for a utility system. This figure is calculated by adding running and quick-start capability to the capability available but not needed and then subtracting peak load.

Reservoir: A body of water collected and stored in a natural or artificial lake.

Residential Sector: The residential sector includes private household establishments that consume energy primarily for space heating, water heating, air conditioning, lighting, refrigeration, cooking, and clothes drying. The classification of an individual consumer's account, where the use is both residential and commercial, is based on principal use. Apartment houses are included.

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 because of local problems.

Retail Wheeling: An arrangement in which a utility transmits electricity from outside its service territory to a retail customer within its customer service territory.

Retired Hydropower Plant Sites: The site of a plant that formerly produced electrical or mechanical power but is now out of service. Includes plants which have been abandoned, damaged by flood or fire, inundated by new reservoirs, or dismantled.

Reversible Turbine: A hydraulic turbine, normally installed in a pumped-storage plant, which can be used alternatively as a pump or as an engine, turbine, water wheel, or other apparatus that drives an electrical generator.

Right-Of-Way: The land, and legal right to use and service the land along which a transmission line is located. Transmission line right-of-way is usually acquired in widths that vary with the kilovolt (kV) size of the line.

Rulemaking (Regulations): The authority delegated to administrative agencies by Congress or State legislative bodies to make rules that have the force of law. Frequently, statutory laws that express broad terms of a policy are implemented more specifically by administrative rules, regulations and practices.

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.

Run-off: That portion of the precipitation that flows over the land surface and ultimately reaches streams to complete the water cycle. Melting snow is an important source of this water as well as all amounts of surface water that moves to streams or rivers through any given area of a drainage basin.

Rural Electrification Administration (REA): A lending agency in the U.S. Department of Agriculture, RUS makes self-liquidation loans to qualified borrowers to finance electric and telephone service to rural areas. RUS finances the construction and operation of generating plants, electric transmission and distribution lines, or systems, for the furnishing of initial and continued adequate electric services to persons in rural areas not receiving central station service.

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.

Sales for Resale: A type of wholesale sales covering energy supplied to other electric utilities, cooperatives, municipals, and Federal and State electric agencies for resale to ultimate consumers.

Schedule: A statement of the pricing format of electricity and the terms and conditions governing its applications.

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

Service Area: The territory in which a utility system or distributor is authorized to provide service to consumers.

Single-circuit Line: A transmission line with one electric circuit. For three-phase supply, a single circuit requires at least three conductors, one per phase.

Single-Purpose Project: A hydroelectric project constructed only to generate electricity.

Small Power Producer: Under the Public Utility Regulatory Policies Act, A small power production facility (or small power producer) generates electricity using renewable biomass, conventional hydroelectric, solar, wind, and geothermal energy as a primary energy source. Fossil fuels can be used, but renewable resources must provide at least 75 percent of the total energy input. (See Code of Federal Regulations, Title 18, Part 292.)

Special Contract Rate Schedule: An electric rate schedule for an electric service agreement between a utility and another party in addition to, or independent of any standard rate schedule.

Special Purpose Rate Schedule: An electric rate schedule limited in its application to some particular purpose or process within one, or more than one, type of industry or business.

Stability: The property of a system or element by virtue of which its output will ultimately attain a steady state. The amount of power that can be transferred from one machine to another following a disturbance. The stability of a power system is its ability to develop restoring forces equal to or greater than the

disturbing forces so as to maintain a state of equilibrium.

Standby Charge: A charge for the potential use of a utility service, usually done by an agreement with another electric utility system. These services include system backup support, and other running and quick-start capabilities.

Standby Facility: A facility that is on call to support a utility system and is available to replace or supplement a facility normally in service.

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

State Severance Taxes: Any severance, production, or similar tax, fee, or other levy imposed on the production of crude oil, natural gas, or coal by any State, local government acting under authority of State law, or by an Indian tribe recognized as eligible for services by the Secretary of the Interior.

Station (Electric): A plant containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or nuclear energy into electric energy.

Station Use: Energy that is used in the operation of an electric generating plant. It includes energy consumed for plant lighting, power, and auxiliary facilities, regardless of whether the energy is produced at the plant or comes from another source.

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.

Streamflow: The rate at which water passes a given point in a stream, usually expressed in cubic feet per second.

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

Subtransmission: A set of transmission lines of voltages between transmission voltages and distribution voltages. Generally, lines in the voltage range of 69 kV to 138 kV.

Supporting Structure: The main supporting unit (usually a pole or tower) for transmission line conductors, insulators, and other auxiliary line equipment.

Surplus Energy: Energy generated that is beyond the immediate needs of the producing system. This energy may be supplied by spinning reserve and sold on an interruptible basis.

Suspended Rates: New rates that have been accepted for review by a utility commission. When these rates are suspended, they do not go into effect for a designated period of time, up to a maximum of

five months for FERC. Charges under the new rate may be refunded after the resolution of the rate proceeding.

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.

System Interconnection: A physical connection between two electric systems that permits the transfer of electric energy in either direction.

Tariff: A published volume of rate schedules and general terms and conditions under which a product or service will be supplied.

Terawatt-hour (TWh): One trillion (10^{12}) watt-hours of electric energy.

Thermal Limit: The maximum amount of power a transmission line can carry without suffering heat-related deterioration of line equipment, particularly conductors.

Three-party Wheeling: An arrangement in which a utility transmits electricity for two other utilities that are not physically connected, where the transmitting utility neither buys nor sells the electricity.

Three-phase Power: Power generated, and transmitted from generator to load, on three conductors.

Tie Line: A circuit connecting two or more power systems and/or a generating facility to the grid.

Transfer Capability: The overall capacity of inter-regional or international power lines, together with the associated electrical system facilities, to transfer power and energy from one electrical system to another.

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 Circuit: A conductor used to transport electricity from generating stations to load.

Transmission Line: A set of conductors, insulators, supporting structures, and associated equipment used to move large quantities of power at high voltage, usually over long distances between a generating or

receiving point and major substations or delivery points.

Transmission Network: A system of transmission or distribution lines so cross-connected and operated as to permit multiple power supply to any principal point.

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 in 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.

Two-party Wheeling: An arrangement between two utilities in which one utility agrees to transmit electricity owned by the other.

Ultimate Consumer: A consumer that purchases electricity for its own use and not for resale.

Uniform System of Accounts: Prescribed financial rules and regulations established by the Federal Energy Regulatory Commission for utilities subject to its jurisdiction under the authority granted by the Federal Power Act.

Unscheduled Outage Service: Power received by a system from another system to replace power from a generating unit forced out of service.

Used and Useful: A concept used by regulators to determine whether an asset should be included in the utility's rate base. This concept requires that an asset currently provide or be capable of providing a needed service to customers.

Utility (Electric): Privately owned companies and public agencies engaged in the generation, transmission, or distribution of electric power for public use. Public agencies include municipal electric utilities, Federal power projects, rural electrification cooperatives, power districts, and State power authorities and projects.

Utility Generation: Generation by electric systems engaged in selling electric energy to the public.

Volt: The unit of measurement of voltage, electrical force, or pressure. The electrical force that, if steadily applied to a circuit with a resistance of 1 ohm, will produce a current of 1 ampere.

Voltage: The difference in electrical potential between any two conductors or between a conductor and ground. It is a measure of the electric energy per electron that electrons can acquire and/or give up as they move between the two conductors.

Voltage Reduction: Any intentional reduction of system voltage by 3 percent or greater for reasons of maintaining the continuity of service of the reporting entity's electric power supply system.

Waterway: A river, channel, canal, or other navigable body of water used for travel or transport.

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.

Weir: A dam in a waterway over which water flows and that serves to raise the water level, or direct or regulate flow.

Wheeling: The use of the transmission facilities of one entity to transmit electricity of and for another entity or entities. The most common type of wheeling involves one utility transferring electricity generated by a second utility for sale to a third utility.

Wheeling Charge: An amount charged by one electrical system to transmit the energy of, and for, another system or systems.

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.

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

Wholesale Wheeling: An arrangement in which electricity is transmitted from a generator to a utility through the transmission facilities of an intervening system.

Wind Energy: Energy produced by harnessing the force of the wind. In a wind energy conversion system such as a windmill, the energy of wind is used to turn the shaft of a generator, which in turn usually produces direct current. This direct current is usually converted to alternating current before being fed into a utility grid system.

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