DOE/EIA-0589(95)
Distribution Category
UC-950

U.S. Electric Utility Demand-Side Management 1995

January 1997

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

Preface

The *U.S. Electric Utility Demand-Side Management* report is prepared by the Coal and Electric Data and Renewables Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA); U.S. Department of Energy. The report presents comprehensive information on electric power industry demand-side management (DSM) activities in the United States at the national, regional, and utility levels. The objective of the publication is to provide industry decision makers, government policy makers, analysts, and the general public with historical data that may be used in understanding DSM as it relates to the U.S. electric power industry. The first chapter, "Profile: U.S. Electric Utility Demand-Side Management," presents a general discussion of DSM, its history, current issues, and a review of key statistics for the year. Subsequent chapters present discussions and more detailed data on energy savings, peak load reductions and costs attributable to DSM.

Target Audience

In the private sector, the majority of users are researchers, analysts, and ultimately the policymaking and decisionmaking members of electric utility companies. Financial and investment institutions, economic development organizations interested in new power plant construction, special interest groups, lobbyists, electric power associations, and the news media are all prospective users of the *U.S. Electric Utility Demand-Side Management* report.

In the public sector, users include analysts, researchers, statisticians, and other professionals engaged in regulatory, policy, and program activities for Federal, State, and local governments. The Congress, other legislative bodies, State public service commissions, and other government groups share an interest in general trends and specific DSM data. This report can be used in analytic studies to evaluate new or existing legislation.

Source of Data

Data published in the *U.S. Electric Utility Demand-Side Management* report are compiled from the Form EIA-861, "Annual Electric Utility Report." The Form EIA-861 is a census of electric utilities in the United States, its territories, and Puerto Rico. It is used to collect annual data on the production, sales, revenue from sales, and trade of electricity, as well as demand-side management from approximately 3,200 electric utilities in the United States. DSM data are reported on Schedule V, "Demand-Side Management Information," of Form EIA-861.

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Profile: U.S. Electric Utility Demand-Side Management

This chapter provides a background of electric utility demand-side management (DSM) and pertinent statistics on DSM for large electric utilities[1] in the United States on various aspects of demand-side management.

Background

Demand-Side Management (DSM) consists of electric utilities' planning, implementing, and monitoring of activities designed to encourage consumers to modify their levels and patterns of electricity consumption. These activities are performed to benefit utilities, consumers, and society. Utilities implement DSM programs to achieve two basic objectives: energy efficiency and load management. Energy efficiency is primarily achieved through programs that reduce overall energy consumption of specific end-use devices and systems by promoting high-efficiency equipment and building design. Energy efficiency programs typically reduce energy consumption over many hours during the year. Load management programs, on the other hand, are designed to achieve load reductions; primarily implemented at the time of peak load. Load reduction programs have little effect on total energy consumption. Electric utilities have steadily increased DSM programs in the last decade to promote energy efficiency, and achieve cost effectiveness for both utilities and consumers, mainly by deferring the need to build new power plants. Energy efficiency programs also conserve fossil-fuel energy sources and reduce air emissions.

The Energy Information Administration (EIA) collects data on DSM programs using six program categories:

Energy Efficiency programs are aimed at reducing the energy consumed by specific end-use devices and systems, without reducing the quality of energy services provided. These programs reduce overall electricity consumption over many hours during the year, although the greatest impacts of cost-effective programs often coincide with periods of peak usage. Such savings are generally achieved by substituting technologically more advanced equipment to produce equal levels of energy services (e.g., lighting, heating, motor drive) with less electricity. Examples include energy saving appliances and lighting, high-efficiency heating, ventilating and air conditioning (HVAC) systems or control modification, efficient building design, advanced electric motors and drive systems, and heat recovery systems. Energy efficiency programs frequently incorporate rebates, financing, or other financial incentives for participation.

Direct Load Control represents the consumer load that can be interrupted during periods of peak demand by the utility system operator directly interrupting power supply to individual appliances or equipment. Direct Load Control usually involves residential consumers who, for example, allow the utility to periodically interrupt service to air conditioning units during the hours of peak load.

Interruptible Load accounts for the consumer load that, in accordance with contractual arrangements, can be interrupted during periods of peak load, either by direct control of the utility system operator or by action of the consumer, at the direct request of the system operator. For example, large commercial and industrial consumers may obtain discount interruptible rates for agreeing to reduce electrical loads upon request from the utility, usually as a strategy to reduce peak load.

Other Load Management refers to programs other than direct load control and interruptible load that limit peak loads, shift peak load from on-peak to off-peak hours, or encourage consumers to respond to changes in the utility's cost of providing power.[2] Included are technologies that primarily shift all or part of a load from one time of day to another and also may affect overall energy consumption. Examples include space heating and water heating storage systems, cool storage systems, and load limiting devices in energy management systems. This category also includes programs that aggressively promote time-of-use (TOU) rates and other innovative rates such as real-time pricing. These rates are intended to reduce consumer bills and shift hours of operation of equipment from on-peak to off-peak or high-cost to low-cost periods through the application of time-differentiated rates.

Other Demand-Side Management are those programs that capture effects of DSM programs that cannot be meaningfully included in any of the other

[1] Large utilities are those with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours annually.

[2] Load control mechanisms such as interruptible load programs may be used in emergency situations. However, sometimes other load control mechanisms such as voltage reduction or rolling blackouts may be needed. While voltage reduction and rolling blackouts reduce load and save energy, they are not considered DSM programs. A description of voltage reduction is provided in the Technical Notes.

program categories. Included are programs that promote consumers' substitution of other types of energy for electricity and self-generation of electricity for consumers' own use.

Load Building programs are aimed at increasing the use of existing electric equipment or the addition of electric equipment. Examples include industrial technologies such as induction heating and melting, direct arc furnaces, and infrared drying; cooking for commercial establishments; and heat pumps for residences. Load Building includes programs that promote the substitution of electricity for other forms of energy. Load Building promotes load growth and is not included in this publication.

The concept of energy efficiency began in the 1970's in response to increasing capital costs, increasing electricity demand, rising electricity prices, and increased public awareness of energy resources and conservation. Federal regulators and State public service commissions responded with utility policies that contributed to the evolution of DSM. Federal legislation includes the Energy Policy and Conservation Act (1975), Energy Conservation and Production Act (1976), and the National Energy Conservation Policy Act (1978). These three Acts provided the technical basis for utility conservation and load management programs. The Public Utility Regulatory Policies Act (1978) required State public service commissions to consider rate-making standards that further the purposes of end-use conservation, utility efficiency, and equitable rates. It also required State public service commissions to review cost allocations across consumer classes, the accuracy of declining block rates in reflecting actual costs, time-of-day and seasonal rates, interruptible rates, and load management techniques. The Pacific Northwest Electric Power Planning and Conservation Act (1980) and Hoover Power Plant Act (1984) encouraged DSM through the Federal power marketing administrations.

The National Appliance Energy Conservation Act (1987), Clean Air Act and its Amendments (1990), and the Energy Policy Act (1992) are the most recent Federal legislation affecting DSM. The Clean Air Act Amendments of 1990 internalized the cost of environmental externalities, specifically sulfur dioxide emissions, through the adoption of a market-based system of emission control in which utilities are issued allowances, each allowing the emission of one ton of sulfur dioxide per year. This system encourages utilities to reduce emissions in the most cost effective manner and sell or trade excess allowances.

The Energy Policy Act of 1992 (EPACT) represents the continuing Federal interest in encouraging energy efficiency. EPACT requires State public service commissions to consider standards that will require utilities to employ Integrated Resource Planning (IRP). Consequently, most significant regulatory requirements effecting DSM data are occurring at the State level. IRP differs from conventional resource planning in that utilities consider both demand- and supply-side resources as options for meeting future electricity requirements, rather than just supply-side resources. Specifically, a utility is able to assume a decrease in demand as a result of DSM programs when planning to meet future electricity needs, rather than increasing generation.

One key element in the DSM program planning and selection process is the identification and evaluation of consumer characteristics that influence acceptance and responses to DSM programs. Among consumer characteristics that influence the success of a program are demographics, income, knowledge, awareness, attitude, and motivation. External influences such as economic conditions, energy prices, technologies, regulation, and tax credits also influence consumers' decisions regarding fuel, appliance choices, and equipment efficiency. Another key element is the identification of utility considerations that affect resource requirements and the cost of alternative resource options. In a regulated industry, utility considerations are focused on the interaction of load shape distribution effects and regulatory compliance.

To promote DSM, State regulatory commissions developed financial incentives, such as 1) authorizing utilities to seek recovery of DSM program costs and lost revenues, and 2) granting utilities higher rates of return. These incentives are meant to neutralize the lost sales and revenues attributable to DSM. To compare DSM programs with other demand- and supply-side resources, regulators have developed standardized benefit/cost tests. Four primary tests are widely used to identify cost-effective DSM programs. For each test, the net present value and benefit/cost ratio can be determined. The present value equals total benefits of the program less total cost; the benefit/cost ratio is the ratio of total benefits to total costs. Based on these values, the utility can prioritize DSM programs to determine which, if any, might be implemented.

The Utility Cost Test measures the net change in a utility's revenue requirement resulting from a DSM program. The test compares the reduction in marginal energy and demand costs with utility program costs, incentive payments, and increased supply costs for a period in which load is increased. Designed to focus on a utility's revenue requirement, the test does not include any net costs incurred by participants.

The Participant Cost Test measures the benefits and costs of a DSM program to a customer by comparing the reduction in the customer's utility bill, plus any incentive paid by the utility, with the customer's out-of-pocket expenses. The test is often used as a "first-cut" in ranking program desirability and gauging potential program participation rates.

The Total Resource Cost Test measures the net costs of a DSM program as a resource option based on the total costs of the program, including both participant and utility costs. Like the utility cost test, it measures benefits as reductions to energy and demand costs, but also includes a review of all program costs, including installation, operation, maintenance, and administration, no matter who pays for them.

The Rate Impact Measure Test measures the direction and magnitude of the expected changes in rates

for all customers when a utility implements a DSM program. The equation functions initially in the same manner as the utility cost test, comparing avoided supply cost savings with cost to the utility. It also measures the revenue-shifting effect unique to DSM when costs must be spread over a smaller sales volume. The shift reduces revenue requirements, but not to the same extent as sales are reduced by DSM programs. The difference causes an increase in rates on a cents per kilowatthour basis. If a utility has excess capacity and its average costs exceed its marginal costs, a DSM program will likely increase rates. The converse is true when marginal costs are forecast to exceed average costs.

Current Issues and Trends

Most States are actively considering proposals for restructuring the electric power industry, including options for deregulating the generation segment of the industry and providing retail access. A few States, such as California, have enacted statutes and/or adopted policies that will create a competitive retail access market. Such changes are affecting utility DSM activities and could significantly change the financing, structure, and delivery of end use energy services.

Traditionally, utility DSM programs have been developed through an integrated resource planning process which compared the cost of DSM programs to the cost of other resources and are approved by State Public Utility Commissions. In a competitive market, regulated utilities may not retain their obligation to provide generation services and regulatory oversight of their DSM programs. Additionally, competition is creating pressure for utilities to cut costs. In some instances, this has resulted in a reduction in planned DSM expenditures and a shift away from customer rebate programs. Further, to the extent utility generation revenues ultimately may be based on competitive market prices, a conflict could emerge between the interests of generation owning utilities in higher generation prices and the effects of some DSM programs to reduce demand and possibly to help hold down competitive prices for generation. These factors could contribute to slower growth in energy savings from DSM programs.

New retailing activities are emerging as competition grows in the electric power industry. These include increased utility attention to marketing and the activities of new brokers and energy service companies. These new energy retailers can be expected to offer customers packages of services that include electricity (and in some cases natural gas), financial services to hedge price uncertainty, and expanded energy management services designed to allow consumers to adjust their energy usage to changing electricity prices. Demand-side services will be competitively marketed as a means of helping consumers manage their energy bills. These services may include automated energy management linked to a communications system that provides consumers and their energy management systems access to changing hourly electricity prices.

Regulators and legislators in some States are likely to set aside funds collected from all consumers connected to the distribution system to support energy efficiency programs. The California restructuring legislation has used this approach to require utilities to purchase energy efficiency savings under standard offers.

Utilities in the Pacific Northwest and New England have formed consortiums to support energy efficiency market transformation, programs that attempt to create lasting changes in markets for energy efficient products. Such efforts may represent a more economical way to achieve long-term energy savings.

Incremental savings from energy efficiency programs in 1995 were only slightly less than the savings achieved in 1994. This suggests that efficiency programs are continuing to play a significant role in the Nation's resource mix, even as it changes to reflect the development of a more competitive electric power industry.

In 1995, 1,053 of the 3,199 electric utilities in the United States reported having DSM programs, an increase of 23 utilities over 1994. Of these 1,053 electric utilities, 583 are classified as large and 470 as small.[3] The number of large utilities with DSM programs increased by 4 utilities from 1994 when 579 reported having DSM programs, and small utilities increased by 19 utilities, from 451, in 1994. The 1,053 utilities accounted for 85 percent of the total retail sales of electricity in the United States.

In 1995, energy savings for the 583 large utilities was 57,421 million kilowatthours (kWh) an increase of 4,938 million kWh over the 52,483 million kWh reported in 1994. These energy savings represent 1.9 percent of annual electric sales to ultimate consumers in 1995 of 3,013,287 million kWh.[4]

[3] Unless otherwise stated, the discussions and statistics that are contained in this publication are for large utilities only. Large utilities are those with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours annually.

[4] Energy Information Administration, *Electric Sales and Revenue 1995,* DOE/EIA0540(95) (Washington, DC, December 1996), Table 1, p. 5.

Actual peak load reductions for large utilities in 1995 are 29,561 MW, an increase of 18.2 percent, from 25,001 megawatts (MW) in 1994. These actual peak load reductions are approximately 4 percent of the total peak load in the United States. Potential peak load reductions in 1995 was 47,029 MW, an increase of 9.6 percent, from 42,917 MW in 1994. DSM costs were approximately $2.4 billion in 1995, a decrease of 10.8 percent.

Incremental effects are those caused by new programs and new participants in existing programs for the current reporting year. For 1995, incremental energy savings for large utilities were 8,222 million kWh and incremental actual peak load reductions were 4,600 MW (Figure 2).[5]

Table 1. U.S. Electric Utility DSM Program Energy Savings, Actual and Potential Peak Load Reductions, and Cost, 1991 Through 1995

Item	1991	1992	1993	1994	1995
Energy Savings (million kilowatthours)	24,848	35,563	45,294	52,483	57,421
Actual Peak Load Reductions (megawatts)	15,619	17,204	23,069	25,001	29,561
Potential Peak Load Reductions (megawatts)	NA	32,442	39,508	42,917	47,029
Cost (thousand dollars)	1,803,773	2,348,094	2,743,533	2,715,657	2,421,261

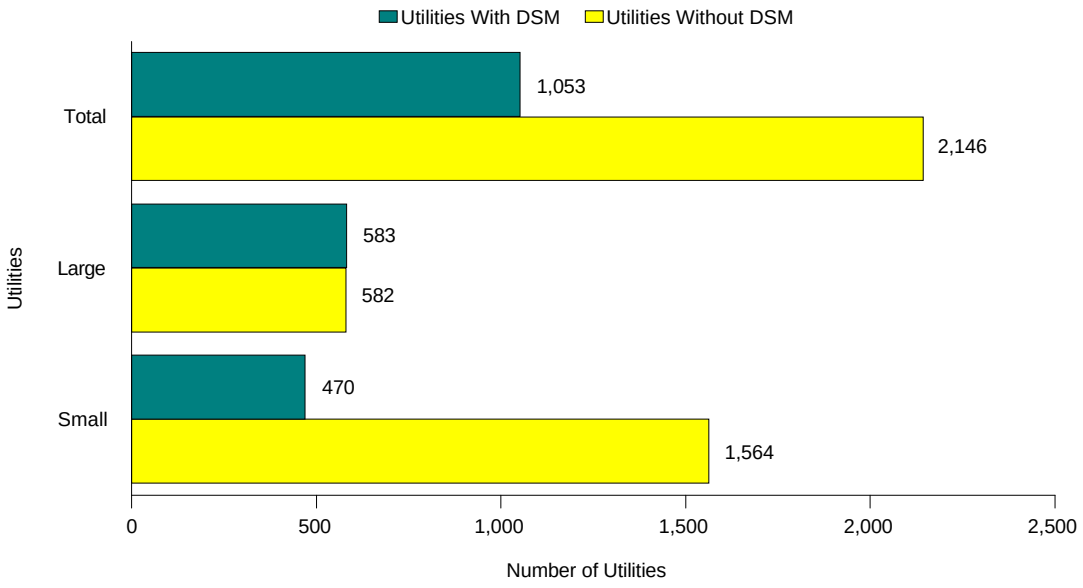
NA=Data not available.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

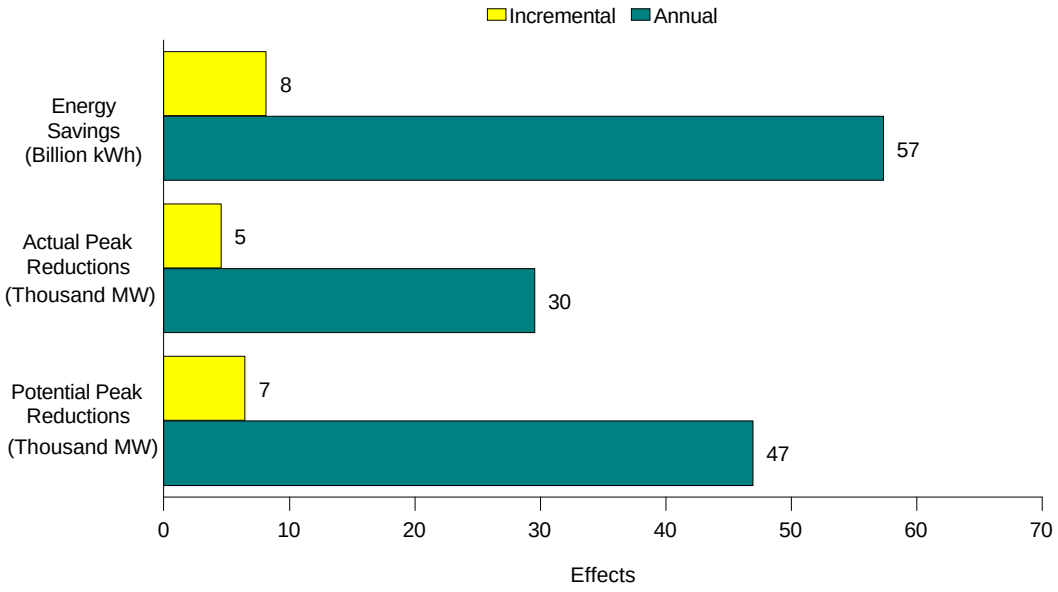
[5] It is incorrect to assume that 1994 annual effects plus 1995 incremental effects are equal to 1995 annual effects. Reasons for this discrepancy include incremental effects being annualized, and the effects of participants dropping out of programs that are not included in incremental effects.

Figure 1. Number of U.S. Electric Utilities With and Without DSM Programs, 1995



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

Figure 2. U.S. Electric Utility DSM Program Incremental and Annual Effects for Energy Savings and Actual and Potential Peak Load Reductions, 1995



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

Energy Savings

Energy savings represent a decrease in the amount of electricity (measured in kilowatthours (kWh)) that would have otherwise been consumed, absent of DSM. Energy savings primarily result from energy efficiency programs, but also result from load management and other DSM programs. Examples of energy efficiency programs include the promotion of energy saving appliances and lighting; high-efficiency heating and air conditioning systems (HVAC) and control modification; energy efficient building designs; advanced electric motors and drive systems; and heat recovery systems.

The future of electric utility sponsored energy efficiency programs is uncertain due to competition in the electric utility industry. In a competitive environment, a utility would have little incentive to reduce energy sales (one of the objectives of energy efficiency programs).

In 1995, energy savings increased 9.4 percent to 57,421 million kWh from the 1994 level of 52,483 million kWh down from the 15.9 percent increase from 1993 to 1994. For 1996, energy savings are forecasted to increase to 9.9 percent to 63,138 million kWh, and for 2000, energy savings are forecasted to increase at an annual rate of 5.9 percent to 79,340 million kWh (Table 2). The decline in the rate of increase, compared with prior years, is due to many factors. For example, electric utilities are cautious about energy efficiency programs because of competition in the electric power industry, and saturation of the energy efficiency market.

In 1995, energy savings represented a reduction in electricity sales by electric utilities of 1.9 percent.[6] Approximately 39.3 percent of utilities that had energy saving programs reduced their energy sales by more than 1 percent in 1995 (Figure 3). Investor-owned utilities represented the greatest energy savings as a percentage of sales in 1995.

The 100 utilities with the greatest energy savings accounted for 94.2 percent of total energy savings. The 50 and 25 utilities with the greatest energy savings accounted for 85.2 percent and 71.3 percent of total energy savings (Figure 4). These 100, 50, and 25 utilities with the greatest energy savings represented 56.5 percent, 38.2 percent, and 26.5 percent, respectively, of total retail sales of electricity in the United States for 1995.

Investor-owned utilities accounted for 83.7 percent of energy savings in 1995; publicly owned utilities accounted for 5.6 percent; cooperatives, .4 percent; and Federally owned utilities, 10.3 percent.[7] From 1994 to 1995, investor-owned electric utilities increased energy savings by 16.8 percent. Savings by Federal electric utilities decreased 24.5 percent, while savings by cooperatives fell 58.9 percent. The largest increase over 1994 was for investor-owned electric utilities, increasing 6,928 million kWh. However, from 1995 to 1996, the forecasted rate of increase for investor-owned electric utilities fell to 10.4 percent, while it increased to 42.6 percent for cooperatives. From 1995 to 1996, publicly owned utilities and Federal electric utilities' energy savings are predicted to increase 11.6 and 3.9 percent, respectively. From 1996 to 2000, projected energy savings are expected to increase in all classes of ownership, with the largest percent increases, 17.3 and 7.7 percent annually, for cooperatives and publicly owned electric utilities. The largest increase overall is predicted for investor-owned utilities.

In 1995, energy efficiency programs accounted for 96.4 percent of the energy savings. The primary objective of most other DSM programs is peak load reductions. Direct load control, interruptible load, other load management, and other DSM programs together accounted for the remaining 3.6 percent of energy savings. Energy savings from energy efficiency programs increased 11.3 percent over the 1994 level. Energy savings decreased in all other categories, except other load management. For 1996, energy efficiency programs are predicted to continue to account for the greatest share of energy savings, 97.5 percent. The greatest percentage of increase is predicted for other load management, which is expected to increase by 8.4 percent by 1996. By 2000, energy efficiency programs are expected to increase energy savings by an additional 15,798 million kWh over projected 1996 levels (Table 3).

During the year, more utilities reported having energy efficiency programs in place in the residential sector than in the commercial or industrial sectors. However, the commercial and industrial sectors still contributed a large percentage of energy savings due to economies of scale (i.e., a commercial building participating in an efficient lighting program will have greater energy savings than a single residential building). Energy efficiency end-use programs in the residential sector were primarily for heating systems, cooling systems,

[6] Total U.S. electric utility sales to ultimate consumers for 1995 were 3,013,287 million kWh (*Electric Sales and Revenue 1995*).

[7] Data reported by Federal electric utilities, such as, Tennessee Valley Authority (TVA) and Bonneville Power Administration (BPA) may be misleading. Both TVA and BPA fund energy efficiency programs for utilities in different ownership classes.

and water heating. More utilities had lighting and cooling systems programs for the commercial sector, while the industrial sector focused on lighting and advanced motor programs. Across all sectors, more utilities used energy audits than other programs, followed by rebates, loans, other incentives, and other programs (Table 4).

The commercial sector accounted for 45.6 percent of energy savings in 1995, followed by the residential, industrial, and other sectors with 35.3 percent, 16.8 percent, and 2.4 percent, respectively. Among the major consumer sectors, the greatest percentage of increase from 1994 to 1995 was in the commercial sector, with 20.3 percent more energy savings, mainly because there were more utility-administered efficient lighting programs and cooling systems (Table 5).

In 1995, incremental energy savings (the savings achieved by new programs and new participants in existing programs in a given year) slightly decreased from 8,229 million kWh in 1994 to 8,222 million kWh for large utilities but increased from 18 million kWh to 20 million kWh for small utilities. By class of ownership, large investor-owned utilities accounted for 84.3 percent of incremental energy savings. Publicly owned and Federal electric utilities both showed an increase in incremental energy savings in 1995 (Table 6).

By program category, incremental energy savings for large utilities in 1995 decreased in energy efficiency and direct load control, but increased in other categories. For small electric utilities in 1995, energy efficiency programs increased 5 million kWh and interruptible load programs increased slightly from 1994, with decreases in all other categories (Table 7).

The commercial sector accounted for 55.9 percent of incremental energy savings, 4,594 million kWh; the residential sector accounted for 19.8 percent, 1,630 million kWh; and the industrial sector accounted for 20.4 percent, 1,678 million kWh. Incremental energy savings increased in all sectors except the residential sector, which decreased by 564 million kWh (Table 8).

The NERC region with the greatest percentage of energy savings was Western Systems Coordinating Council (WSCC), accounting for 38.6 percent of energy savings in 1995. The WSCC had the most energy savings because Bonneville Power Administration and Southern California Edison Company had the two largest energy efficiency programs of all electric utilities. The region with the second largest energy savings was Southeastern Electric Reliability Council (SERC), with 17.7 percent of total energy savings. In 1994, these two regions combined accounted for 59.8 percent of total U.S. energy savings.

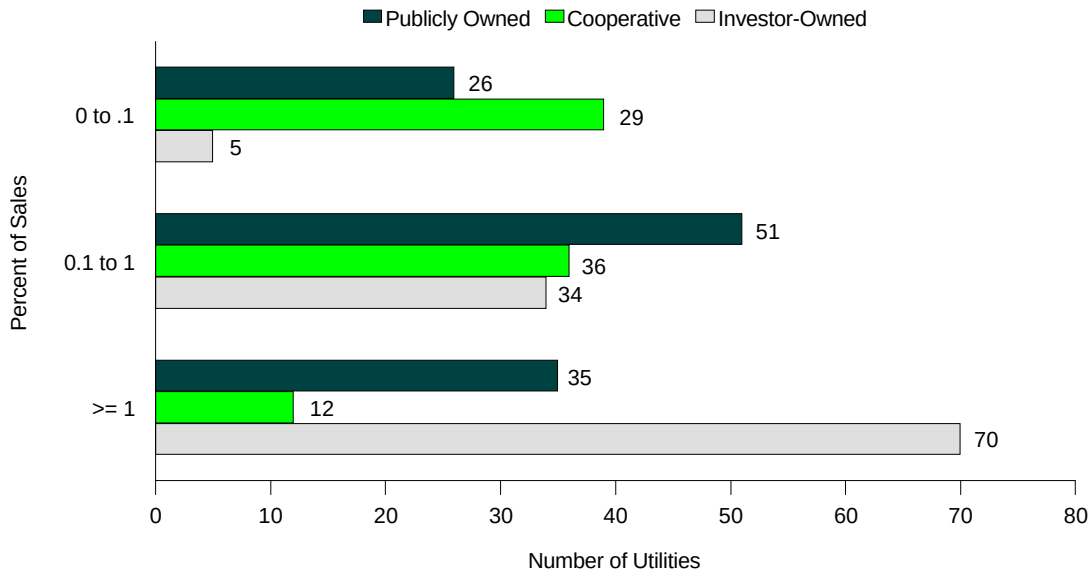
For 1996, not including ASCC, the greatest percentage of increase, 28.9 percent, in energy savings is predicted for the Mid-Atlantic Area Council (MAAC) region. The MAAC region is also expected to have the greatest annual rate of growth in energy savings from 1996 to 2000 at 13.7 percent (Table 9).

Table 2. U.S. Electric Utility DSM Program Energy Savings by Class of Ownership, 1991 Through 1995, 1996 and 2000
(Million Kilowatthours)

Class of Ownership	Historical Savings					Projected Savings	
	1991	1992	1993	1994	1995	1996	2000
Investor-Owned	17,521	25,926	35,077	41,132	48,060	53,075	65,974
Publicly Owned	1,448	2,416	2,562	2,965	3,218	3,591	4,830
Cooperative	185	400	705	560	230	328	622
Federal	5,695	6,822	6,950	7,826	5,911	6,144	7,914
U.S. Total	**24,848**	**35,563**	**45,294**	**52,483**	**57,421**	**63,138**	**79,340**

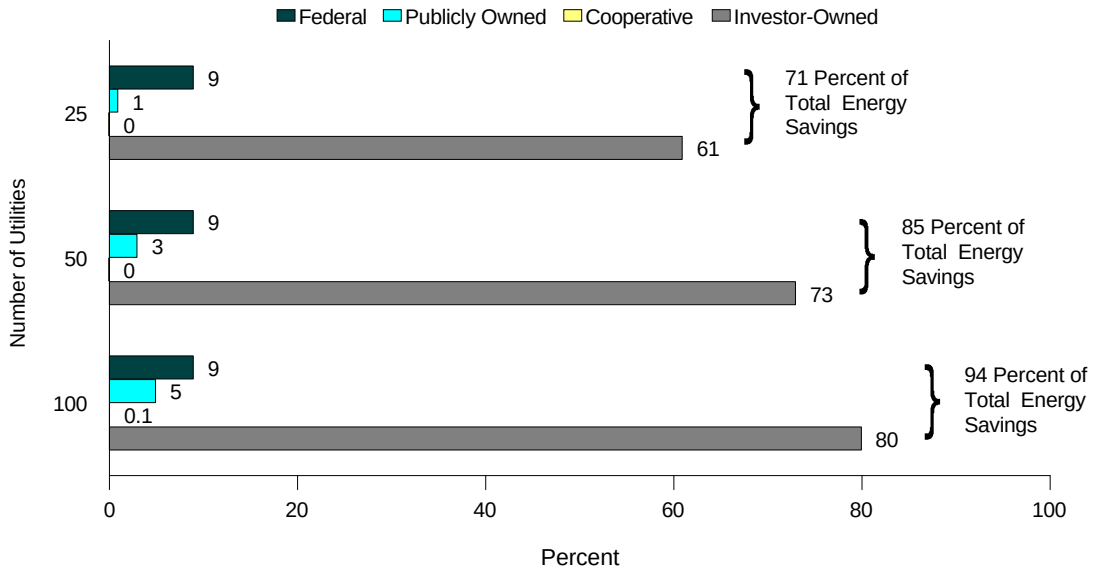
Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-861, ''Annual Electric Utility Report.''

Figure 3. Energy Savings as a Percentage of Retail Sales by U.S. Electric Utilities with DSM Energy Savings Programs and by Class of Ownership, 1995



Note: Graph includes only large utilities that reported energy savings.
Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Figure 4. The Top 25, 50 and 100 U.S. Electric Utilities with the Greatest DSM Program Energy Savings by Class of Ownership, 1995



Note: Graph includes only large utilities that reported energy savings.
Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table 3. U.S. Electric Utility DSM Program Energy Savings by Program Category, 1994, 1995, 1996, and 2000
(Million Kilowatthours)

Program Category	Historical Savings	
	1994	1995
Energy Efficiency	49,720	55,328
Direct Load Control	170	133
Interruptible Load	969	434
Other Load Management	190	297
Other Demand-Side Management	1,434	1,229
U.S. Total	**52,483**	**57,421**
	Projected Savings	
	1996	**2000**
Energy Efficiency	61,547	77,345
Direct Load Control	134	163
Interruptible Load	491	537
Other Load Management	322	516
Other Demand-Side Management	644	779
U.S. Total	**63,138**	**79,340**

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Table 4. Number of U.S. Electric Utilities with DSM Energy Efficiency Programs by End Uses and Program Types by Sector, 1995

ITEM	Sectors		
	Residential	Commercial	Industrial
End Uses			
Heating Sytems	277	183	110
Cooling Sytems	278	220	139
Water Heating	290	152	106
Lighting	182	217	182
Building Shell	194	121	90
New Construction	207	128	97
Appliances	131	64	42
Motors	–-	146	163
Process Heating	–-	50	87
Electrolytics	–-	9	24
Other Systems	18	28	35
Program Types			
Energy Audits	299	261	199
Rebate	277	212	154
Loans	144	91	62
Other Incentives [1]	92	76	69
Other Programs	51	48	46

[1] This category reflects programs that offer cash or noncash awards to electric energy efficiency deliverers, such as appliance and equipment dealers, building contractors, and architectural and engineering firms, that encourage consumer participation in a demand-side management program and adoption of recommended measures.

Notes: •Data are final. •Data represent the total number of electric utilities that focus energy efficiency activities on specific end uses and program types.

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

Table 5. U.S. Electric Utility DSM Program Energy Savings by Sector, 1994 and 1995
(Million Kilowatthours)

Sector	1994	1995
Residential	21,028	20,253
Commercial	21,773	26,187
Industrial	8,568	9,620
Other	1,114	1,360
U.S. Total	**52,483**	**57,421**

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Table 6. U.S. Electric Utility Incremental Energy Savings by Class of Ownership, 1994 and 1995
(Million Kilowatthours)

Class of Ownership	Large Utilities [1]		Small Utilities [2]		Total	
	1994	1995	1994	1995	1994	1995
Investor-Owned	6,966	6,933	1	1	6,967	6,933
Publicly Owned	585	593	13	15	598	609
Cooperative	76	67	4	4	80	71
Federal	602	629	0	0	602	629
U.S. Total	**8,229**	**8,222**	**18**	**20**	**8,247**	**8,242**

1 Refers to electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours.
2 Refers to electric utilities with sales to ultimate consumers and sales for resale less than 120,000 megawatthours.
Notes: •Data are final. •Totals may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-861, ''Annual Electric Utility Report.''

Table 7. U.S. Electric Utility Incremental Energy Savings by Program Category, 1994 and 1995
(Million Kilowatthours)

Program Category	Large Utilities [1]		Small Utilities [2]		Total	
	1994	1995	1994	1995	1994	1995
Energy Efficiency	8,054	7,901	11	16	8,065	7,918
Direct Load Control	15	12	4	2	18	14
Interruptible Load	12	56	*	1	12	57
Other Load Management	7	60	2	*	9	60
Other Demand-Side Management	141	193	1	*	142	194
U.S. Total	**8,229**	**8,222**	**18**	**20**	**8,247**	**8,242**

1 Refers to electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours.
2 Refers to electric utilities with sales to ultimate consumers and sales for resale less than 120,000 megawatthours.
* Value less than 0.5.
Notes: •Data are final. •Totals may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-861, ''Annual Electric Utility Report.''

Table 8. U.S. Electric Utility Incremental Energy Savings by Sector, 1994 and 1995
(Million Kilowatthours)

Sector	Large Utilities [1]		Small Utilities [2]		Total	
	1994	1995	1994	1995	1994	1995
Residential	2,194	1,630	13	9	2,207	1,639
Commercial	4,449	4,594	3	5	4,451	4,599
Industrial	1,325	1,678	1	5	1,326	1,683
Other	262	320	1	2	263	321
U.S. Total	**8,229**	**8,222**	**18**	**20**	**8,247**	**8,242**

1 Refers to electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours.
2 Refers to electric utilities with sales to ultimate consumers and sales for resale less than 120,000 megawatthours.
Notes: •Data are final. •Totals may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-861, ''Annual Electric Utility Report.''

Table 9. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Million Kilowatthours)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Savings		Projected Savings	
		1994	1995	1996	2000
ECAR					
American Mun Power-Ohio Inc	Publicly Owned	1	1	1	2
Appalachian Power Co	Investor-Owned	77	92	93	165
Cincinnati Gas & Electric Co	Investor-Owned	47	95	265	591
Cleveland Electric Illum Co	Investor-Owned	33	59	65	49
Columbus Southern Power Co	Investor-Owned	46	55	58	88
Consumers Power Co	Investor-Owned	350	348	545	279
Crawfordsville Elec Lgt&Pwr Co	Publicly Owned	*	*	*	*
Dayton Power & Light Co	Investor-Owned	—	283	380	567
Detroit Edison Co	Investor-Owned	170	109	144	141
East Kentucky Power Coop Inc	Cooperative	2	2	4	12
Hagerstown City of	Publicly Owned	—	0	*	1
Indiana Michigan Power Co	Investor-Owned	17	28	29	42
Indiana Municipal Power Agency	Publicly Owned	0	*	2	9
Indianapolis Power & Light Co	Investor-Owned	50	117	54	163
Kentucky Power Co	Investor-Owned	17	20	25	71
Kentucky Utilities Co	Investor-Owned	39	46	62	63
Kingsport Power Co	Investor-Owned	6	8	8	12
Lansing City of	Publicly Owned	*	*	*	6
Louisville Gas & Electric Co	Investor-Owned	3	7	28	56
Monongahela Power Co	Investor-Owned	236	255	271	348
Ohio Edison Co	Investor-Owned	103	176	231	529
Ohio Power Co	Investor-Owned	40	52	47	74
Owen Electric Coop Inc	Cooperative	1	1	1	3
Pennsylvania Power Co	Investor-Owned	0	0	3	21
Potomac Edison Co	Investor-Owned	390	433	449	514
PSI Energy Inc	Investor-Owned	275	469	545	1,148
Southern Indiana Gas & Elec Co	Investor-Owned	37	51	53	56
Toledo Edison Co	Investor-Owned	27	46	51	38
West Penn Power Co	Investor-Owned	268	275	286	353
Wheeling Power Co	Investor-Owned	2	2	2	3
ECAR Total		**2,237**	**3,030**	**3,704**	**5,406**
ERCOT					
Austin City of	Publicly Owned	518	470	559	784
Brazos Electric Power Coop Inc	Cooperative	12	19	26	35
Bryan City of	Publicly Owned	9	11	12	20
Central Power & Light Co	Investor-Owned	198	114	114	138
College Station City of	Publicly Owned	1	1	1	1
Denton City of	Publicly Owned	0	2	2	4
Georgetown City of	Publicly Owned	—	*	*	1
Greenville Electric Util Sys	Publicly Owned	*	*	*	4
Houston Lighting & Power Co	Investor-Owned	181	211	257	547
Johnson County Elec Coop Assn	Cooperative	5	—	—	—
Lower Colorado River Authority	Publicly Owned	123	143	150	191
Magic Valley Electric Coop Inc	Cooperative	2	4	6	8
San Bernard Electric Coop Inc	Cooperative	*	*	*	*
San Marcos City of	Publicly Owned	11	11	11	13
Texas Utilities Electric Co	Investor-Owned	2,532	2,643	2,653	2,695
Texas-New Mexico Power Co	Investor-Owned	93	69	69	69
Tri-County Electric Coop Inc	Cooperative	2	—	—	—
West Texas Utilities Co	Investor-Owned	53	60	60	75
ERCOT Total		**3,739**	**3,757**	**3,919**	**4,582**
MAAC					
A & N Electric Coop	Cooperative	1	1	1	2
Adams Electric Coop Inc	Cooperative	0	*	*	*
Atlantic City Electric Co	Investor-Owned	65	66	73	73
Baltimore Gas & Electric Co	Investor-Owned	375	439	541	549
Bedford Rural Elec Coop Inc	Cooperative	*	—	—	—
Conowingo Power Co	Investor-Owned	4	—	—	—
Delmarva Power & Light Co	Investor-Owned	74	97	59	73
Easton Utilities Comm	Publicly Owned	*	*	*	1
Jersey Central Power&Light Co	Investor-Owned	118	163	243	455
Metropolitan Edison Co	Investor-Owned	82	86	88	118
Pennsylvania Electric Co	Investor-Owned	41	96	107	133
Pennsylvania Power & Light Co	Investor-Owned	25	71	93	182
Potomac Electric Power Co	Investor-Owned	817	1,287	1,396	2,582
Public Service Electric&Gas Co	Investor-Owned	144	605	1,136	2,042
PECO Energy Co	Investor-Owned	68	74	88	118
Southern Maryland El Coop Inc	Cooperative	8	12	40	142
Southwest Central R E C Corp	Cooperative	*	0	0	0

See footnotes at end of table.

Table 9. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000
(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Savings		Projected Savings	
		1994	1995	1996	2000
MAAC (Continued)					
UGI Utilities Inc	Investor-Owned	*	*	*	1
MAAC Total		**1,820**	**3,000**	**3,866**	**6,471**
MAIN					
Central Illinois Light Co	Investor-Owned	*	0	1	3
Central Illinois Pub Serv Co	Investor-Owned	0	0	*	0
Coles-Moultrie Electric Coop	Cooperative	*	*	*	*
Columbia City of	Publicly Owned	5	8	9	13
Commonwealth Edison Co	Investor-Owned	1	17	0	0
Eastern Illini Electric Coop	Cooperative	3	3	3	3
Madison Gas & Electric Co	Investor-Owned	138	164	209	329
Manitowoc Public Utilities	Publicly Owned	12	14	14	15
Marshfield City of	Publicly Owned	4	5	6	11
Southeastern IL Elec Coop Inc	Cooperative	*	*	*	*
Southwestern Electric Coop Inc	Cooperative	*	1	*	1
Springfield City of	Publicly Owned	8	12	16	33
Union Electric Co	Investor-Owned	11	7	7	359
Wisconsin Electric Power Co	Investor-Owned	1,567	1,664	1,860	1,800
Wisconsin Power & Light Co	Investor-Owned	275	342	445	775
Wisconsin Public Power Inc Sys	Publicly Owned	22	28	26	52
Wisconsin Public Service Corp	Investor-Owned	405	467	616	862
MAIN Total		**2,453**	**2,732**	**3,214**	**4,256**
MAPP(U.S.)					
Ames City of	Publicly Owned	1	1	1	3
Anoka City of	Publicly Owned	*	1	1	1
Austin City of	Publicly Owned	1	1	*	*
Barron Electric Coop	Cooperative	3	1	1	1
Beatrice City of	Publicly Owned	*	—	—	—
Capital Electric Coop Inc	Cooperative	—	*	*	*
Cass County Electric Coop Inc	Cooperative	1	1	2	3
Cedar Falls City of	Publicly Owned	1	2	2	3
Central Iowa Power Coop	Cooperative	1	1	1	2
Central Power Elec Coop Inc	Cooperative	*	*	*	*
Chaska City of	Publicly Owned	—	*	*	*
Clark Electric Coop	Cooperative	*	*	*	1
Coop Power Assn	Cooperative	24	18	27	63
Cornhusker Public Power Dist	Publicly Owned	*	0	0	0
Eau Claire Electric Coop	Cooperative	—	*	*	*
Fairmont Public Utilities Comm	Publicly Owned	*	2	2	3
Grant-Lafayette Electric Coop	Cooperative	1	2	2	2
Interstate Power Co	Investor-Owned	60	88	119	250
Iowa Lakes Electric Coop	Cooperative	6	6	8	13
Iowa-Illinois Gas&Electric Co	Investor-Owned	15	—	—	—
IES Utilities Inc	Investor-Owned	45	163	206	427
Lincoln Electric System	Publicly Owned	15	17	19	24
Marshall City of	Publicly Owned	*	*	*	*
Midland Power Coop	Cooperative	*	2	6	7
Midwest Power Systems Inc	Investor-Owned	152	—	—	—
MidAmerican Energy Co	Investor-Owned	—	229	266	761
Minnesota Power & Light Co	Investor-Owned	65	108	145	383
Moorhead City of	Publicly Owned	*	2	3	3
Mountrail-Williams Elec Coop	Cooperative	9	9	10	10
Municipal Energy Agency of NE	Publicly Owned	1	1	1	3
Muscatine City of	Publicly Owned	4	5	7	7
Nodak Electric Coop Inc	Cooperative	1	2	2	2
Norris Public Power District	Publicly Owned	0	1	1	1
North Platte City of	Publicly Owned	*	*	*	*
Northern States Power Co of MN	Investor-Owned	1,022	1,405	1,793	2,538
Northern States Power Co of WI	Investor-Owned	280	333	381	529
Northwest Iowa Power Coop	Cooperative	10	11	13	18
Northwestern Wisconsin Elec Co	Investor-Owned	1	1	2	2
Oakdale Electric Coop	Cooperative	*	*	*	*
Omaha Public Power District	Publicly Owned	5	6	3	9
Otter Tail Power Co	Investor-Owned	57	38	49	51
Owatonna City of	Publicly Owned	1	*	*	*
Pella City of	Publicly Owned	—	1	1	1
People 's Coop Power Assn	Cooperative	*	*	*	*
Rice Lake Utilities	Publicly Owned	1	1	2	3
Rochester Public Utilities	Publicly Owned	*	3	3	6

See footnotes at end of table.

Table 9. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000
(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Savings		Projected Savings	
		1994	1995	1996	2000
MAPP(U.S.) (Continued)					
Shakopee Public Utilities Comm	Publicly Owned	*	*	*	1
Spencer City of	Publicly Owned	3	2	2	3
Superior Water Light&Power Co	Investor-Owned	15	3	2	2
Tri-County Electric Coop	Cooperative	*	7	7	7
United Power Assn	Cooperative	24	18	20	24
Verendrye Electric Coop Inc	Cooperative	0	*	*	*
Vernon Electric Coop	Cooperative	*	2	*	*
Wild Rice Electric Coop Inc	Cooperative	55	—	—	—
York County Rural Pub Pwr Dist	Publicly Owned	—	10	10	10
MAPP(U.S.) Total		**1,883**	**2,506**	**3,120**	**5,180**
NPCC(U.S.)					
Bangor Hydro-Electric Co	Investor-Owned	42	49	54	47
Boston Edison Co	Investor-Owned	384	416	457	567
Braintree Town of	Publicly Owned	*	*	*	1
Burlington City of	Publicly Owned	29	35	39	49
Cambridge Electric Light Co	Investor-Owned	70	100	111	111
Central Hudson Gas & Elec Corp	Investor-Owned	119	130	151	183
Central Maine Power Co	Investor-Owned	399	448	483	599
Central Vermont Pub Serv Corp	Investor-Owned	60	80	69	85
Chicopee City of	Publicly Owned	5	7	7	9
Citizens Utilities Co	Investor-Owned	5	15	30	51
Commonwealth Electric Co	Investor-Owned	118	117	87	0
Concord Electric Co	Investor-Owned	3	5	8	14
Connecticut Light & Power Co	Investor-Owned	1,244	1,331	1,345	1,535
Connecticut Valley Elec Co Inc	Investor-Owned	3	3	1	1
Consolidated Edison Co-NY Inc	Investor-Owned	1,624	1,970	2,302	2,838
Exeter & Hampton Electric Co	Investor-Owned	4	6	9	16
Fitchburg Gas & Elec Light Co	Investor-Owned	8	11	13	20
Granite State Electric Co	Investor-Owned	32	34	40	47
Green Mountain Power Corp	Investor-Owned	44	54	63	99
Hingham City of	Publicly Owned	4	4	4	4
Holyoke City of	Publicly Owned	*	*	*	*
Jamestown City of	Publicly Owned	*	*	6	7
Littleton Town of	Publicly Owned	*	*	*	*
Long Island Lighting Co	Investor-Owned	698	749	783	921
Maine Public Service Co	Investor-Owned	7	7	7	8
Massachusetts Electric Co	Investor-Owned	658	787	942	1,184
Massena Town of	Publicly Owned	0	1	1	2
Montaup Electric Co	Investor-Owned	168	115	195	289
Narragansett Electric Co	Investor-Owned	209	229	256	308
New England Power Co	Investor-Owned	*	1	*	0
New Hampshire Elec Coop Inc	Cooperative	1	3	6	3
New York State Elec & Gas Corp	Investor-Owned	537	593	578	896
Niagara Mohawk Power Corp	Investor-Owned	962	1,122	1,159	1,282
North Attleborough Town of	Publicly Owned	*	*	*	*
Norwood City of	Publicly Owned	3	5	5	7
Omya Inc	Investor-Owned	*	*	*	*
Orange & Rockland Utils Inc	Investor-Owned	194	235	250	296
Power Authority of State of NY	Publicly Owned	138	228	300	477
Public Service Co of NH	Investor-Owned	2	14	20	103
Reading Town of	Publicly Owned	*	*	*	*
Rochester Gas & Electric Corp	Investor-Owned	204	276	282	334
Shrewsbury Town of	Publicly Owned	3	5	5	5
Taunton City of	Publicly Owned	11	13	14	21
United Illuminating Co	Investor-Owned	192	237	237	408
Western Massachusetts Elec Co	Investor-Owned	236	261	270	374
NPCC(U.S.) Total		**8,422**	**9,694**	**10,589**	**13,200**
SERC					
Aiken Electric Coop Inc	Cooperative	1	1	2	3
Alabama Electric Coop Inc	Cooperative	30	36	42	51
Alabama Power Co	Investor-Owned	458	24	27	37
Albemarle City of	Publicly Owned	*	*	*	*
Altamaha Electric Member Corp	Cooperative	*	*	*	*
Amicalola Electric Member Corp	Cooperative	*	*	*	*
Berkeley Electric Coop Inc	Cooperative	5	6	6	8
Black River Electric Coop Inc	Cooperative	2	2	2	3
Brunswick Electric Member Corp	Cooperative	*	*	*	1
BARC Electric Coop Inc	Cooperative	*	*	*	*

See footnotes at end of table.

Table 9. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000
(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Savings		Projected Savings	
		1994	1995	1996	2000
SERC (Continued)					
Canoochee Electric Member Corp	Cooperative	*	—	—	—
Carolina Power & Light Co	Investor-Owned	1,969	2,008	2,806	3,413
Carroll Electric Member Corp	Cooperative	2	2	2	1
Central Georgia El Member Corp	Cooperative	3	4	4	6
Central Virginia Electric Coop	Cooperative	1	1	1	2
Choctawhatche Elec Coop Inc	Cooperative	4	5	5	7
Coastal Electric Member Corp	Cooperative	1	1	2	0
Cobb Electric Membership Corp	Cooperative	19	19	21	23
Colquitt Electric Members Corp	Cooperative	*	1	1	1
Community Electric Coop	Cooperative	*	*	*	*
Coweta-Fayette El Member Corp	Cooperative	60	62	62	63
Crescent Electric Member Corp	Cooperative	1	1	1	2
Douglas City of	Publicly Owned	1	1	1	2
Duke Power Co	Investor-Owned	132	164	27	45
Easley Combined Utility System	Publicly Owned	0	2	2	2
East Point City of	Publicly Owned	4	*	*	*
Excelsior Electric Member Corp	Cooperative	0	*	*	*
Fairfield Electric Coop Inc	Cooperative	1	1	1	1
Fayetteville Public Works Comm	Publicly Owned	*	*	*	*
Fitzgerald Wtr Lgt & Bond Comm	Publicly Owned	*	*	*	*
Flint Electric Membership Corp	Cooperative	1	3	1	1
Florida Keys El Coop Assn Inc	Cooperative	*	*	*	*
Florida Power & Light Co	Investor-Owned	2,986	3,305	3,471	4,275
Florida Power Corp	Investor-Owned	983	1,044	1,083	1,298
Fort Pierce Utilities Auth	Publicly Owned	1	1	1	1
Gainesville Regional Utilities	Publicly Owned	66	66	67	82
Georgia Power Co	Investor-Owned	211	242	260	260
Grady County Elec Member Corp	Cooperative	*	*	*	*
Greenville Utilities Comm	Publicly Owned	15	16	17	27
Gulf Power Co	Investor-Owned	428	401	459	561
Harrisonburg City of	Publicly Owned	0	0	2	2
Haywood Electric Member Corp	Cooperative	*	*	*	*
Jackson Electric Member Corp	Cooperative	11	3	2	2
Jacksonville Electric Auth	Publicly Owned	106	34	1	5
Jefferson Electric Member Corp	Cooperative	*	1	*	1
Jones-Onslow Elec Member Corp	Cooperative	4	—	—	—
Kissimmee Utility Authority	Publicly Owned	5	6	7	10
Lakeland City of	Publicly Owned	1	1	1	1
Laurens Electric Coop Inc	Cooperative	*	*	*	*
Laurinburg City of	Publicly Owned	*	*	*	*
Lawrenceville City of	Publicly Owned	*	*	*	*
Lee County Electric Coop Inc	Cooperative	21	24	27	35
Leesburg City of	Publicly Owned	*	*	*	*
Lumberton City of	Publicly Owned	*	*	*	*
Lynches River Elec Coop Inc	Cooperative	*	*	*	*
Manassas City of	Publicly Owned	2	*	*	*
Marietta City of	Publicly Owned	*	*	*	0
Mecklenburg Electric Coop Inc	Cooperative	*	*	*	*
Mid-Carolina Electric Coop Inc	Cooperative	3	4	5	8
Mississippi Power Co	Investor-Owned	1	10	11	17
Mitchell Electric Member Corp	Cooperative	*	1	1	1
Monroe City of	Publicly Owned	1	—	—	—
Municipal Electric Authority	Publicly Owned	1	10	11	20
New Bern City of	Publicly Owned	*	1	1	1
Northern Neck Elec Coop Inc	Cooperative	*	*	*	*
Northern Virginia Elec Coop	Cooperative	1	1	1	1
Ocala City of	Publicly Owned	5	10	5	8
Orangeburg City of	Publicly Owned	*	1	1	1
Orlando Utilities Comm	Publicly Owned	82	83	85	104
Palmetto Electric Coop Inc	Cooperative	2	3	4	5
Pee Dee Electric Coop Inc	Cooperative	—	1	1	2
Planters Electric Member Corp	Cooperative	*	*	*	*
Rayle Electric Membership Corp	Cooperative	*	*	*	*
Reedy Creek Improvement Dist	Publicly Owned	5	*	6	51
Rock Hill City of	Publicly Owned	*	1	1	1
Satilla Rural Elec Member Corp	Cooperative	*	*	*	*
Savannah Electric & Power Co	Investor-Owned	8	15	12	22
Sawnee Electric Members Corp	Cooperative	1	1	2	4
Shenandoah Valley Elec Coop	Cooperative	2	1	1	2
Singing River Elec Power Assn	Cooperative	3	6	6	6

See footnotes at end of table.

Table 9. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000
(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Savings		Projected Savings	
		1994	1995	1996	2000
SERC (Continued)					
South Carolina Electric&Gas Co	Investor-Owned	168	192	223	234
South Carolina Pub Serv Auth	Publicly Owned	31	37	44	73
South Mississippi El Pwr Assn	Cooperative	128	–176	–169	–148
Sumter Electric Coop Inc	Cooperative	18	20	21	26
Tallahassee City of	Publicly Owned	100	112	124	155
Tampa Electric Co	Investor-Owned	169	191	213	360
Tennessee Valley Authority	Federal	3,321	1,681	1,651	2,991
Thomasville City of	Publicly Owned	*	*	*	*
Tri-County Elec Member Corp	Cooperative	*	*	0	0
Tri-County Elec Member Corp	Cooperative	*	*	*	*
Vero Beach City of	Publicly Owned	6	—	—	—
Virginia Electric & Power Co	Investor-Owned	167	441	368	610
Wake Electric Membership Corp	Cooperative	3	—	—	—
Walton Electric Member Corp	Cooperative	2	1	1	1
Wilson City of	Publicly Owned	0	5	6	7
Withlacoochee River Elec Coop	Cooperative	2	3	15	27
York Electric Coop Inc	Cooperative	1	*	1	1
SERC Total		**11,768**	**10,143**	**11,068**	**14,822**
SPP					
Carroll Electric Coop Corp	Cooperative	0	*	*	*
Central Rural Electric Coop	Cooperative	2	3	3	5
Craighead Electric Coop Corp	Cooperative	*	*	*	*
Delta Electric Power Assn	Cooperative	—	3	3	3
Duncan City of	Publicly Owned	*	0	0	0
Empire District Electric Co	Investor-Owned	0	0	1	3
First Electric Coop Corp	Cooperative	4	4	8	9
Gulf States Utilities Co	Investor-Owned	132	—	—	—
Independence City of	Publicly Owned	2	3	3	5
Kansas City City of	Publicly Owned	*	*	*	*
Kansas Electric Power Coop Inc	Cooperative	2	3	3	3
New Orleans Public Service Inc	Investor-Owned	25	—	—	—
North Arkansas Elec Coop Inc	Cooperative	*	*	*	*
Northeast Louisiana Power Coop	Cooperative	7	10	10	12
Oklahoma Gas & Electric Co	Investor-Owned	124	123	121	117
Ozark Electric Coop Inc	Cooperative	6	6	10	16
Petit Jean Electric Coop Corp	Cooperative	*	*	*	*
Red River Valley Rrl Elec Assn	Cooperative	9	10	3	3
South Central Ark El Coop Inc	Cooperative	3	3	3	3
South Plains Electric Coop Inc	Cooperative	8	8	8	23
Southwestern Electric Power Co	Investor-Owned	27	27	27	33
Southwestern Public Service Co	Investor-Owned	141	132	141	182
Stillwater Utilities Authority	Publicly Owned	*	*	*	*
UtiliCorp United Inc	Investor-Owned	—	0	0	16
White River Valley El Coop Inc	Cooperative	0	*	*	*
SPP Total		**492**	**335**	**345**	**435**
WSCC(U.S.)					
Alameda City of	Publicly Owned	7	8	8	8
Anaheim City of	Publicly Owned	24	32	36	48
Arizona Electric Pwr Coop Inc	Cooperative	2	1	2	4
Arizona Public Service Co	Investor-Owned	515	545	566	574
Black Hills Corp	Investor-Owned	—	14	14	15
Bonneville Power Admin	Federal	4,505	4,230	4,493	4,923
Boulder City City of	Publicly Owned	1	—	—	—
Bountiful City City of	Publicly Owned	*	*	1	1
Colorado Springs City of	Publicly Owned	0	5	5	6
Columbia River Peoples Ut Dist	Publicly Owned	2	2	2	10
El Paso Electric Co	Investor-Owned	39	39	43	63
Ellensburg City of	Publicly Owned	14	15	16	18
Eugene City of	Publicly Owned	183	208	220	320
Fort Collins City of	Publicly Owned	0	*	0	0
Idaho Power Co	Investor-Owned	138	181	211	271
Imperial Irrigation District	Publicly Owned	6	8	9	10
Longmont City of	Publicly Owned	19	21	22	26
Los Angeles City of	Publicly Owned	228	264	273	223
Loveland City of	Publicly Owned	*	3	*	*
Modesto Irrigation District	Publicly Owned	12	13	13	0
Montana Power Co	Investor-Owned	175	218	23	381
Navopache Electric Coop Inc	Cooperative	1	1	2	2

See footnotes at end of table.

Table 9. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Savings		Projected Savings	
		1994	1995	1996	2000
WSCC(U.S.) (Continued)					
Nevada Power Co	Investor-Owned	157	164	187	200
Overton Power District No 5	Publicly Owned	4	4	3	7
Pacific Gas & Electric Co	Investor-Owned	1,882	3,054	3,333	4,294
PacifiCorp	Investor-Owned	571	1,095	1,301	1,366
Palo Alto City of	Publicly Owned	11	12	12	16
Pasadena City of	Publicly Owned	12	16	20	30
Portland General Electric Co	Investor-Owned	470	647	718	983
Provo City Corp	Publicly Owned	2	—	—	—
Public Service Co of Colorado	Investor-Owned	247	193	334	340
Puget Sound Power & Light Co	Investor-Owned	1,680	1,776	1,831	2,007
PUD No 1 of Benton County	Publicly Owned	—	4	5	8
PUD No 1 of Clark County	Publicly Owned	—	20	27	34
PUD No 1 of Pend Oreille Cnty	Publicly Owned	0	7	8	9
PUD No 2 of Grant County	Publicly Owned	7	87	105	124
Redding City of	Publicly Owned	*	*	*	*
Riverside City of	Publicly Owned	11	9	10	10
Roseville City of	Publicly Owned	3	5	6	10
Sacramento Municipal Util Dist	Publicly Owned	426	565	641	851
Salem Electric Coop	Cooperative	—	2	2	11
Salt River Proj Ag I & P Dist	Publicly Owned	66	66	66	66
San Diego Gas & Electric Co	Investor-Owned	154	645	753	934
Santa Clara City of	Publicly Owned	1	1	1	1
Seattle City of	Publicly Owned	406	238	266	368
Sierra Pacific Power Co	Investor-Owned	193	223	0	0
Southern California Edison Co	Investor-Owned	6,770	6,798	6,798	4,992
Springfield City of	Publicly Owned	63	70	78	106
Sulphur Springs Valley E C Inc	Cooperative	1	*	*	*
Tacoma City of	Publicly Owned	64	71	81	116
Trico Electric Coop Inc	Cooperative	*	*	*	0
Tucson Electric Power Co	Investor-Owned	65	86	103	177
Turlock Irrigation District	Publicly Owned	10	9	14	17
United Power Inc	Cooperative	–2	–2	–2	–2
Utah Municipal Power Agency	Publicly Owned	—	4	4	2
Vera Irrigation District # 15	Publicly Owned	1	1	0	0
Vernon City of	Publicly Owned	3	3	3	4
Washington Water Power Co	Investor-Owned	479	491	567	663
Yellowstone Vlly Elec Coop Inc	Cooperative	6	8	9	15
WSCC(U.S.) Total		**19,634**	**22,178**	**23,240**	**24,660**
Contiguous U.S.		**52,449**	**57,374**	**63,064**	**79,010**
ASCC					
Alaska Electric Light&Power Co	Investor-Owned	*	*	*	*
Golden Valley Elec Assn Inc	Cooperative	3	4	5	6
ASCC Total		**3**	**4**	**5**	**6**
Hawaii					
Hawaii Electric Light Co Inc	Investor-Owned	3	3	10	11
Hawaiian Electric Co Inc	Investor-Owned	11	11	29	238
Maui Electric Co Ltd	Investor-Owned	17	29	31	74
Hawaii Total		**31**	**43**	**70**	**324**
U.S. Total		**52,483**	**57,421**	**63,138**	**79,340**

* Value less than 0.5.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Table 10. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Million Kilowatthours)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Load Management [1]	Total DSM Programs
ECAR			
American Mun Power-Ohio Inc	0	1	1
Appalachian Power Co	83	10	92
Cincinnati Gas & Electric Co	95	*	95
Cleveland Electric Illum Co	58	1	59
Columbus Southern Power Co	55	*	55
Consumers Power Co	347	1	348
Crawfordsville Elec Lgt&Pwr Co	*	0	*
Dayton Power & Light Co	279	4	283
Detroit Edison Co	106	3	109
East Kentucky Power Coop Inc	19	−17	2
Indiana Michigan Power Co	27	1	28
Indiana Municipal Power Agency	0	*	*
Indianapolis Power & Light Co	24	92	117
Kentucky Power Co	20	*	20
Kentucky Utilities Co	45	*	46
Kingsport Power Co	8	0	8
Lansing City of	*	0	*
Louisville Gas & Electric Co	*	6	7
Monongahela Power Co	259	−4	255
Ohio Edison Co	176	*	176
Ohio Power Co	44	8	52
Owen Electric Coop Inc	1	0	1
Potomac Edison Co	435	−2	433
PSI Energy Inc	469	1	469
Southern Indiana Gas & Elec Co	51	*	51
Toledo Edison Co	45	2	46
West Penn Power Co	278	−3	275
Wheeling Power Co	2	0	2
ECAR Total	**2,923**	**106**	**3,030**
ERCOT			
Austin City of	470	*	470
Brazos Electric Power Coop Inc	19	0	19
Bryan City of	11	*	11
Central Power & Light Co	114	0	114
College Station City of	1	0	1
Denton City of	2	*	2
Georgetown City of	*	0	*
Greenville Electric Util Sys	0	*	*
Houston Lighting & Power Co	221	−11	211
Lower Colorado River Authority	143	0	143
Magic Valley Electric Coop Inc	4	0	4
San Bernard Electric Coop Inc	*	0	*
San Marcos City of	11	0	11
Texas Utilities Electric Co	2,643	0	2,643
Texas-New Mexico Power Co	43	26	69
West Texas Utilities Co	60	0	60
ERCOT Total	**3,741**	**16**	**3,757**
MAAC			
A & N Electric Coop	1	0	1
Adams Electric Coop Inc	0	*	*
Atlantic City Electric Co	64	2	66
Baltimore Gas & Electric Co	439	0	439
Delmarva Power & Light Co	97	0	97
Easton Utilities Comm	*	0	*
Jersey Central Power&Light Co	163	0	163
Metropolitan Edison Co	68	18	86
Pennsylvania Electric Co	96	0	96
Pennsylvania Power & Light Co	71	0	71
Potomac Electric Power Co	1,147	140	1,287
Public Service Electric&Gas Co	605	0	605
PECO Energy Co	40	34	74
Southern Maryland El Coop Inc	12	0	12
UGI Utilities Inc	*	0	*
MAAC Total	**2,806**	**194**	**3,000**

See footnotes at end of table.

Table 10. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Load Management [1]	Total DSM Programs
MAIN			
Coles-Moultrie Electric Coop	0	*	*
Columbia City of	6	2	8
Commonwealth Edison Co	16	*	17
Eastern Illini Electric Coop	1	2	3
Madison Gas & Electric Co	164	0	164
Manitowoc Public Utilities	14	0	14
Marshfield City of	5	0	5
Southeastern IL Elec Coop Inc	0	*	*
Southwestern Electric Coop Inc	0	1	1
Springfield City of	12	0	12
Union Electric Co	0	7	7
Wisconsin Electric Power Co	1,653	12	1,664
Wisconsin Power & Light Co	342	0	342
Wisconsin Public Power Inc Sys	27	1	28
Wisconsin Public Service Corp	465	3	467
MAIN Total	**2,704**	**28**	**2,732**
MAPP(U.S.)			
Ames City of	1	0	1
Anoka City of	1	*	1
Austin City of	*	1	1
Barron Electric Coop	*	1	1
Capital Electric Coop Inc	0	*	*
Cass County Electric Coop Inc	1	1	1
Cedar Falls City of	2	0	2
Central Iowa Power Coop	1	0	1
Central Power Elec Coop Inc	0	*	*
Chaska City of	0	*	*
Clark Electric Coop	*	*	*
Coop Power Assn	17	1	18
Eau Claire Electric Coop	*	*	*
Fairmont Public Utilities Comm	2	*	2
Grant-Lafayette Electric Coop	*	2	2
Interstate Power Co	88	0	88
Iowa Lakes Electric Coop	6	1	6
IES Utilities Inc	180	–17	163
Lincoln Electric System	17	0	17
Marshall City of	*	*	*
Midland Power Coop	*	2	2
MidAmerican Energy Co	225	4	229
Minnesota Power & Light Co	108	0	108
Moorhead City of	2	*	2
Mountrail-Williams Elec Coop	1	9	9
Municipal Energy Agency of NE	1	*	1
Muscatine City of	5	0	5
Nodak Electric Coop Inc	0	2	2
Norris Public Power District	0	1	1
North Platte City of	0	*	*
Northern States Power Co of MN	1,388	17	1,405
Northern States Power Co of WI	286	47	333
Northwest Iowa Power Coop	11	0	11
Northwestern Wisconsin Elec Co	1	0	1
Oakdale Electric Coop	*	*	*
Omaha Public Power District	6	0	6
Otter Tail Power Co	37	2	38
Owatonna City of	0	*	*
Pella City of	1	0	1
People 's Coop Power Assn	*	*	*
Rice Lake Utilities	1	0	1
Rochester Public Utilities	2	1	3
Shakopee Public Utilities Comm	*	*	*
Spencer City of	2	0	2
Superior Water Light&Power Co	3	0	3

See footnotes at end of table.

Table 10. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Load Management [1]	Total DSM Programs
MAPP(U.S.) (Continued)			
Tri-County Electric Coop	*	7	7
United Power Assn	16	2	18
Verendrye Electric Coop Inc	*	0	*
Vernon Electric Coop	*	2	2
York County Rural Pub Pwr Dist	0	10	10
MAPP(U.S.) Total	**2,410**	**96**	**2,506**
NPCC(U.S.)			
Bangor Hydro-Electric Co	49	0	49
Boston Edison Co	415	*	416
Braintree Town of	*	*	*
Burlington City of	35	0	35
Cambridge Electric Light Co	100	*	100
Central Hudson Gas & Elec Corp	129	*	130
Central Maine Power Co	448	0	448
Central Vermont Pub Serv Corp	80	0	80
Chicopee City of	7	0	7
Citizens Utilities Co	13	2	15
Commonwealth Electric Co	116	1	117
Concord Electric Co	5	0	5
Connecticut Light & Power Co	1,330	1	1,331
Connecticut Valley Elec Co Inc	3	0	3
Consolidated Edison Co-NY Inc	1,961	9	1,970
Exeter & Hampton Electric Co	6	0	6
Fitchburg Gas & Elec Light Co	11	0	11
Granite State Electric Co	34	0	34
Green Mountain Power Corp	54	0	54
Hingham City of	*	3	4
Holyoke City of	*	*	*
Jamestown City of	*	0	*
Littleton Town of	*	*	*
Long Island Lighting Co	749	0	749
Maine Public Service Co	6	1	7
Massachusetts Electric Co	787	0	787
Massena Town of	1	0	1
Montaup Electric Co	115	0	115
Narragansett Electric Co	229	0	229
New England Power Co	0	1	1
New Hampshire Elec Coop Inc	*	3	3
New York State Elec & Gas Corp	593	0	593
Niagara Mohawk Power Corp	1,122	0	1,122
North Attleborough Town of	*	0	*
Norwood City of	5	0	5
Omya Inc	*	0	*
Orange & Rockland Utils Inc	231	4	235
Power Authority of State of NY	228	0	228
Public Service Co of NH	14	0	14
Reading Town of	*	*	*
Rochester Gas & Electric Corp	226	49	276
Shrewsbury Town of	5	0	5
Taunton City of	12	1	13
United Illuminating Co	229	9	237
Western Massachusetts Elec Co	261	*	261
NPCC(U.S.) Total	**9,611**	**83**	**9,694**
SERC			
Aiken Electric Coop Inc	1	0	1
Alabama Electric Coop Inc	33	3	36
Alabama Power Co	24	0	24
Albemarle City of	0	*	*
Altamaha Electric Member Corp	*	*	*
Amicalola Electric Member Corp	*	*	*
Berkeley Electric Coop Inc	7	–1	6
Black River Electric Coop Inc	2	0	2
Brunswick Electric Member Corp	*	*	*
BARC Electric Coop Inc	0	*	*

See footnotes at end of table.

Table 10. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Load Management [1]	Total DSM Programs
SERC (Continued)			
Carolina Power & Light Co	2,008	0	2,008
Carroll Electric Member Corp	*	1	2
Central Georgia El Member Corp	4	0	4
Central Virginia Electric Coop	0	1	1
Choctawhatche Elec Coop Inc	4	1	5
Coastal Electric Member Corp	1	0	1
Cobb Electric Membership Corp	19	0	19
Colquitt Electric Members Corp	0	1	1
Community Electric Coop	0	*	*
Coweta-Fayette El Member Corp	60	2	62
Crescent Electric Member Corp	0	1	1
Douglas City of	*	1	1
Duke Power Co	164	0	164
Easley Combined Utility System	0	2	2
East Point City of	0	*	*
Excelsior Electric Member Corp	*	0	*
Fairfield Electric Coop Inc	0	1	1
Fayetteville Public Works Comm	*	0	*
Fitzgerald Wtr Lgt & Bond Comm	0	*	*
Flint Electric Membership Corp	1	2	3
Florida Keys El Coop Assn Inc	0	*	*
Florida Power & Light Co	3,282	23	3,305
Florida Power Corp	618	426	1,044
Fort Pierce Utilities Auth	1	0	1
Gainesville Regional Utilities	37	29	66
Georgia Power Co	242	0	242
Grady County Elec Member Corp	*	*	*
Greenville Utilities Comm	16	0	16
Gulf Power Co	439	–38	401
Haywood Electric Member Corp	*	*	*
Jackson Electric Member Corp	0	3	3
Jacksonville Electric Auth	34	0	34
Jefferson Electric Member Corp	*	*	1
Kissimmee Utility Authority	3	2	6
Lakeland City of	1	*	1
Laurens Electric Coop Inc	*	*	*
Laurinburg City of	0	*	*
Lawrenceville City of	0	*	*
Lee County Electric Coop Inc	24	0	24
Leesburg City of	0	*	*
Lumberton City of	0	*	*
Lynches River Elec Coop Inc	0	*	*
Manassas City of	0	*	*
Marietta City of	0	*	*
Mecklenburg Electric Coop Inc	0	*	*
Mid-Carolina Electric Coop Inc	0	4	4
Mississippi Power Co	10	0	10
Mitchell Electric Member Corp	0	1	1
Municipal Electric Authority	0	10	10
New Bern City of	0	1	1
Northern Neck Elec Coop Inc	0	*	*
Northern Virginia Elec Coop	*	*	1
Ocala City of	10	*	10
Orangeburg City of	1	*	1
Orlando Utilities Comm	83	*	83
Palmetto Electric Coop Inc	1	2	3
Pee Dee Electric Coop Inc	0	1	1
Planters Electric Member Corp	*	0	*
Rayle Electric Membership Corp	*	0	*
Reedy Creek Improvement Dist	*	*	*
Rock Hill City of	0	1	1
Satilla Rural Elec Member Corp	*	*	*
Savannah Electric & Power Co	15	0	15
Sawnee Electric Members Corp	1	0	1
Shenandoah Valley Elec Coop	0	1	1
Singing River Elec Power Assn	3	2	6
South Carolina Electric&Gas Co	181	10	192

See footnotes at end of table.

Table 10. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Load Management [1]	Total DSM Programs
SERC (Continued)			
South Carolina Pub Serv Auth	37	0	37
South Mississippi El Pwr Assn	24	–200	–176
Sumter Electric Coop Inc	20	*	20
Tallahassee City of	71	41	112
Tampa Electric Co	190	1	191
Tennessee Valley Authority	1,681	0	1,681
Thomasville City of	*	*	*
Tri-County Elec Member Corp	0	*	*
Tri-County Elec Member Corp	0	*	*
Virginia Electric & Power Co	415	26	441
Walton Electric Member Corp	0	1	1
Wilson City of	0	5	5
Withlacoochee River Elec Coop	3	*	3
York Electric Coop Inc	*	*	*
SERC Total	**9,773**	**370**	**10,143**
SPP			
Carroll Electric Coop Corp	0	*	*
Central Rural Electric Coop	3	0	3
Craighead Electric Coop Corp	0	*	*
Delta Electric Power Assn	0	3	3
First Electric Coop Corp	4	1	4
Independence City of	3	0	3
Kansas City City of	0	*	*
Kansas Electric Power Coop Inc	0	3	3
North Arkansas Elec Coop Inc	0	*	*
Northeast Louisiana Power Coop	0	10	10
Oklahoma Gas & Electric Co	123	0	123
Ozark Electric Coop Inc	6	0	6
Petit Jean Electric Coop Corp	0	*	*
Red River Valley Rrl Elec Assn	2	8	10
South Central Ark El Coop Inc	0	3	3
South Plains Electric Coop Inc	8	*	8
Southwestern Electric Power Co	27	0	27
Southwestern Public Service Co	131	1	132
Stillwater Utilities Authority	0	*	*
White River Valley El Coop Inc	0	*	*
SPP Total	**306**	**29**	**335**
WSCC(U.S.)			
Alameda City of	8	0	8
Anaheim City of	26	6	32
Arizona Electric Pwr Coop Inc	1	0	1
Arizona Public Service Co	545	0	545
Black Hills Corp	14	0	14
Bonneville Power Admin	3,488	742	4,230
Bountiful City City of	*	*	*
Colorado Springs City of	5	0	5
Columbia River Peoples Ut Dist	2	0	2
El Paso Electric Co	23	16	39
Ellensburg City of	15	0	15
Eugene City of	208	0	208
Fort Collins City of	*	0	*
Idaho Power Co	181	0	181
Imperial Irrigation District	8	*	8
Longmont City of	8	13	21
Los Angeles City of	264	0	264
Loveland City of	*	2	3
Modesto Irrigation District	13	0	13
Montana Power Co	218	0	218
Navopache Electric Coop Inc	*	1	1
Nevada Power Co	164	0	164
Overton Power District No 5	3	2	4
Pacific Gas & Electric Co	3,054	0	3,054
PacifiCorp	825	270	1,095

See footnotes at end of table.

Table 10. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Load Management [1]	Total DSM Programs
WSCC(U.S.) (Continued)			
Palo Alto City of	12	0	12
Pasadena City of	16	0	16
Portland General Electric Co	647	0	647
Public Service Co of Colorado	193	0	193
Puget Sound Power & Light Co	1,776	0	1,776
PUD No 1 of Benton County	4	0	4
PUD No 1 of Clark County	20	0	20
PUD No 1 of Pend Oreille Cnty	7	0	7
PUD No 2 of Grant County	6	81	87
Redding City of	*	*	*
Riverside City of	9	0	9
Roseville City of	5	0	5
Sacramento Municipal Util Dist	565	0	565
Salem Electric Coop	2	0	2
Salt River Proj Ag I & P Dist	66	0	66
San Diego Gas & Electric Co	644	1	645
Santa Clara City of	1	*	1
Seattle City of	238	0	238
Sierra Pacific Power Co	223	0	223
Southern California Edison Co	6,798	0	6,798
Springfield City of	70	0	70
Sulphur Springs Valley E C Inc	0	*	*
Tacoma City of	71	0	71
Trico Electric Coop Inc	0	*	*
Tucson Electric Power Co	86	0	86
Turlock Irrigation District	9	0	9
United Power Inc	*	–2	–2
Utah Municipal Power Agency	3	1	4
Vera Irrigation District # 15	0	1	1
Vernon City of	0	3	3
Washington Water Power Co	491	0	491
Yellowstone Vlly Elec Coop Inc	0	8	8
WSCC(U.S.) Total	**21,033**	**1,145**	**22,178**
Contiguous U.S.	**55,308**	**2,066**	**57,374**
ASCC			
Alaska Electric Light&Power Co	0	*	*
Golden Valley Elec Assn Inc	4	0	4
ASCC Total	**4**	*****	**4**
Hawaii			
Hawaii Electric Light Co Inc	3	0	3
Hawaiian Electric Co Inc	11	0	11
Maui Electric Co Ltd	3	26	29
Hawaii Total	**16**	**26**	**43**
U.S. Total	**55,328**	**2,092**	**57,421**

[1] Load management includes the following DSM program categories: direct load control, interruptible load, other load management, other demand-side management.

* Value less than 0.5.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Table 11. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995

(Million Kilowatthours)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
ECAR						
American Mun Power-Ohio Inc	Publicly Owned	0	0	1	*	1
Appalachian Power Co	Investor-Owned	80	2	10	0	92
Cincinnati Gas & Electric Co	Investor-Owned	2	76	17	0	95
Cleveland Electric Illum Co	Investor-Owned	18	13	27	0	59
Columbus Southern Power Co	Investor-Owned	55	0	*	0	55
Consumers Power Co	Investor-Owned	76	120	152	0	348
Crawfordsville Elec Lgt&Pwr Co	Publicly Owned	*	0	0	*	*
Dayton Power & Light Co	Investor-Owned	113	68	102	0	283
Detroit Edison Co	Investor-Owned	23	63	23	0	109
East Kentucky Power Coop Inc	Cooperative	2	0	0	0	2
Indiana Michigan Power Co	Investor-Owned	21	4	3	0	28
Indiana Municipal Power Agency	Publicly Owned	*	0	0	0	*
Indianapolis Power & Light Co	Investor-Owned	10	30	77	0	117
Kentucky Power Co	Investor-Owned	20	0	*	0	20
Kentucky Utilities Co	Investor-Owned	45	1	*	0	46
Kingsport Power Co	Investor-Owned	8	0	0	0	8
Lansing City of	Publicly Owned	0	*	0	0	*
Louisville Gas & Electric Co	Investor-Owned	*	0	6	*	7
Monongahela Power Co	Investor-Owned	73	80	102	0	255
Ohio Edison Co	Investor-Owned	81	54	41	0	176
Ohio Power Co	Investor-Owned	43	*	8	0	52
Owen Electric Coop Inc	Cooperative	1	*	*	0	1
Potomac Edison Co	Investor-Owned	189	141	103	0	433
PSI Energy Inc	Investor-Owned	81	220	166	3	469
Southern Indiana Gas & Elec Co	Investor-Owned	7	19	24	0	51
Toledo Edison Co	Investor-Owned	10	15	21	0	46
West Penn Power Co	Investor-Owned	35	89	151	0	275
Wheeling Power Co	Investor-Owned	2	0	0	0	2
ECAR Total		**995**	**995**	**1,037**	**3**	**3,030**
ERCOT						
Austin City of	Publicly Owned	189	281	0	0	470
Brazos Electric Power Coop Inc	Cooperative	19	*	0	0	19
Bryan City of	Publicly Owned	11	0	*	0	11
Central Power & Light Co	Investor-Owned	82	32	0	0	114
College Station City of	Publicly Owned	1	*	0	0	1
Denton City of	Publicly Owned	2	0	*	0	2
Georgetown City of	Publicly Owned	*	0	0	0	*
Greenville Electric Util Sys	Publicly Owned	0	0	*	0	*
Houston Lighting & Power Co	Investor-Owned	85	114	12	0	211
Lower Colorado River Authority	Publicly Owned	126	17	0	0	143
Magic Valley Electric Coop Inc	Cooperative	4	0	0	0	4
San Bernard Electric Coop Inc	Cooperative	*	0	0	0	*
San Marcos City of	Publicly Owned	9	2	0	0	11
Texas Utilities Electric Co	Investor-Owned	1,122	1,521	0	0	2,643
Texas-New Mexico Power Co	Investor-Owned	40	2	26	*	69
West Texas Utilities Co	Investor-Owned	6	8	46	0	60
ERCOT Total		**1,695**	**1,978**	**84**	*****	**3,757**
MAAC						
A & N Electric Coop	Cooperative	1	0	0	0	1
Adams Electric Coop Inc	Cooperative	*	0	0	0	*
Atlantic City Electric Co	Investor-Owned	48	16	2	0	66
Baltimore Gas & Electric Co	Investor-Owned	53	386	0	0	439
Delmarva Power & Light Co	Investor-Owned	27	70	0	0	97
Easton Utilities Comm	Publicly Owned	*	*	0	0	*
Jersey Central Power&Light Co	Investor-Owned	62	101	0	0	163
Metropolitan Edison Co	Investor-Owned	76	2	8	0	86
Pennsylvania Electric Co	Investor-Owned	31	23	42	0	96
Pennsylvania Power & Light Co	Investor-Owned	61	5	1	4	71
Potomac Electric Power Co	Investor-Owned	157	1,130	0	0	1,287
Public Service Electric&Gas Co	Investor-Owned	80	410	116	0	605
PECO Energy Co	Investor-Owned	70	4	0	0	74
Southern Maryland El Coop Inc	Cooperative	12	0	0	0	12
UGI Utilities Inc	Investor-Owned	*	0	0	0	*
MAAC Total		**679**	**2,148**	**169**	**4**	**3,000**

See footnotes at end of table.

Table 11. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
MAIN						
Coles-Moultrie Electric Coop	Cooperative	0	0	*	0	*
Columbia City of	Publicly Owned	5	3	0	0	8
Commonwealth Edison Co	Investor-Owned	1	15	1	0	17
Eastern Illini Electric Coop	Cooperative	3	0	*	0	3
Madison Gas & Electric Co	Investor-Owned	28	118	0	19	164
Manitowoc Public Utilities	Publicly Owned	4	5	5	0	14
Marshfield City of	Publicly Owned	*	4	1	*	5
Southeastern IL Elec Coop Inc	Cooperative	*	0	0	0	*
Southwestern Electric Coop Inc	Cooperative	*	*	*	0	1
Springfield City of	Publicly Owned	4	8	0	0	12
Union Electric Co	Investor-Owned	0	0	7	0	7
Wisconsin Electric Power Co	Investor-Owned	471	790	404	0	1,664
Wisconsin Power & Light Co	Investor-Owned	40	282	20	0	342
Wisconsin Public Power Inc Sys	Publicly Owned	6	9	13	0	28
Wisconsin Public Service Corp	Investor-Owned	120	317	0	30	467
MAIN Total		**682**	**1,551**	**450**	**49**	**2,732**
MAPP(U.S.)						
Ames City of	Publicly Owned	0	*	0	1	1
Anoka City of	Publicly Owned	*	*	1	0	1
Austin City of	Publicly Owned	0	*	1	0	1
Barron Electric Coop	Cooperative	1	0	*	0	1
Capital Electric Coop Inc	Cooperative	*	*	0	0	*
Cass County Electric Coop Inc	Cooperative	1	*	*	0	1
Cedar Falls City of	Publicly Owned	1	1	0	*	2
Central Iowa Power Coop	Cooperative	1	0	0	0	1
Central Power Elec Coop Inc	Cooperative	0	*	0	0	*
Chaska City of	Publicly Owned	0	0	*	*	*
Clark Electric Coop	Cooperative	*	0	*	0	*
Coop Power Assn	Cooperative	3	15	0	0	18
Eau Claire Electric Coop	Cooperative	*	0	*	0	*
Fairmont Public Utilities Comm	Publicly Owned	0	2	*	0	2
Grant-Lafayette Electric Coop	Cooperative	2	0	0	0	2
Interstate Power Co	Investor-Owned	5	45	32	7	88
Iowa Lakes Electric Coop	Cooperative	6	0	1	*	6
IES Utilities Inc	Investor-Owned	8	81	74	0	163
Lincoln Electric System	Publicly Owned	1	5	0	12	17
Marshall City of	Publicly Owned	*	*	*	0	*
Midland Power Coop	Cooperative	*	2	0	0	2
MidAmerican Energy Co	Investor-Owned	36	179	14	0	229
Minnesota Power & Light Co	Investor-Owned	8	51	49	0	108
Moorhead City of	Publicly Owned	*	2	0	0	2
Mountrail-Williams Elec Coop	Cooperative	9	0	0	0	9
Municipal Energy Agency of NE	Publicly Owned	1	*	*	0	1
Muscatine City of	Publicly Owned	1	3	0	*	5
Nodak Electric Coop Inc	Cooperative	1	*	*	*	2
Norris Public Power District	Publicly Owned	*	*	0	0	1
North Platte City of	Publicly Owned	0	0	0	*	*
Northern States Power Co of MN	Investor-Owned	214	892	299	0	1,405
Northern States Power Co of WI	Investor-Owned	102	129	98	5	333
Northwest Iowa Power Coop	Cooperative	11	*	0	0	11
Northwestern Wisconsin Elec Co	Investor-Owned	*	1	*	0	1
Oakdale Electric Coop	Cooperative	*	0	*	0	*
Omaha Public Power District	Publicly Owned	2	3	0	0	6
Otter Tail Power Co	Investor-Owned	9	14	15	0	38
Owatonna City of	Publicly Owned	*	*	*	0	*
Pella City of	Publicly Owned	0	0	0	1	1
People 's Coop Power Assn	Cooperative	*	0	*	0	*
Rice Lake Utilities	Publicly Owned	*	*	1	0	1
Rochester Public Utilities	Publicly Owned	*	1	2	0	3
Shakopee Public Utilities Comm	Publicly Owned	*	*	0	*	*
Spencer City of	Publicly Owned	*	1	0	*	2
Superior Water Light&Power Co	Investor-Owned	1	1	1	0	3
Tri-County Electric Coop	Cooperative	7	0	*	0	7
United Power Assn	Cooperative	11	8	0	0	18
Verendrye Electric Coop Inc	Cooperative	*	*	0	0	*
Vernon Electric Coop	Cooperative	2	0	0	0	2
York County Rural Pub Pwr Dist	Publicly Owned	0	0	10	0	10
MAPP(U.S.) Total		**443**	**1,438**	**598**	**27**	**2,506**

See footnotes at end of table.

Table 11. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
NPCC(U.S.)						
Bangor Hydro-Electric Co	Investor-Owned	32	14	3	0	49
Boston Edison Co	Investor-Owned	155	192	48	20	416
Braintree Town of	Publicly Owned	*	0	*	0	*
Burlington City of	Publicly Owned	19	3	13	0	35
Cambridge Electric Light Co	Investor-Owned	*	70	30	0	100
Central Hudson Gas & Elec Corp	Investor-Owned	11	94	24	0	130
Central Maine Power Co	Investor-Owned	118	120	210	1	448
Central Vermont Pub Serv Corp	Investor-Owned	25	30	25	0	80
Chicopee City of	Publicly Owned	*	4	2	0	7
Citizens Utilities Co	Investor-Owned	6	4	1	3	15
Commonwealth Electric Co	Investor-Owned	10	91	16	0	117
Concord Electric Co	Investor-Owned	2	1	2	0	5
Connecticut Light & Power Co	Investor-Owned	310	841	173	7	1,331
Connecticut Valley Elec Co Inc	Investor-Owned	1	1	1	0	3
Consolidated Edison Co-NY Inc	Investor-Owned	175	1,795	0	0	1,970
Exeter & Hampton Electric Co	Investor-Owned	3	2	2	0	6
Fitchburg Gas & Elec Light Co	Investor-Owned	1	4	7	0	11
Granite State Electric Co	Investor-Owned	5	18	11	0	34
Green Mountain Power Corp	Investor-Owned	8	45	0	0	54
Hingham City of	Publicly Owned	4	*	*	0	4
Holyoke City of	Publicly Owned	*	*	0	0	*
Jamestown City of	Publicly Owned	0	*	*	0	*
Littleton Town of	Publicly Owned	*	0	0	0	*
Long Island Lighting Co	Investor-Owned	151	598	0	0	749
Maine Public Service Co	Investor-Owned	3	3	0	1	7
Massachusetts Electric Co	Investor-Owned	106	416	265	0	787
Massena Town of	Publicly Owned	1	0	0	0	1
Montaup Electric Co	Investor-Owned	42	44	28	0	115
Narragansett Electric Co	Investor-Owned	20	129	79	0	229
New England Power Co	Investor-Owned	0	0	1	0	1
New Hampshire Elec Coop Inc	Cooperative	3	*	0	0	3
New York State Elec & Gas Corp	Investor-Owned	165	428	0	0	593
Niagara Mohawk Power Corp	Investor-Owned	271	749	102	0	1,122
North Attleborough Town of	Publicly Owned	*	*	*	*	*
Norwood City of	Publicly Owned	1	1	3	0	5
Omya Inc	Investor-Owned	*	0	0	0	*
Orange & Rockland Utils Inc	Investor-Owned	81	154	0	0	235
Power Authority of State of NY	Publicly Owned	37	192	0	0	228
Public Service Co of NH	Investor-Owned	7	2	5	0	14
Reading Town of	Publicly Owned	*	*	0	0	*
Rochester Gas & Electric Corp	Investor-Owned	27	0	249	0	276
Shrewsbury Town of	Publicly Owned	1	3	0	*	5
Taunton City of	Publicly Owned	1	11	0	0	13
United Illuminating Co	Investor-Owned	71	130	33	2	237
Western Massachusetts Elec Co	Investor-Owned	75	140	41	5	261
NPCC(U.S.) Total		**1,948**	**6,331**	**1,375**	**40**	**9,694**
SERC						
Aiken Electric Coop Inc	Cooperative	1	0	0	0	1
Alabama Electric Coop Inc	Cooperative	36	0	0	0	36
Alabama Power Co	Investor-Owned	0	24	0	0	24
Albemarle City of	Publicly Owned	0	*	*	0	*
Altamaha Electric Member Corp	Cooperative	*	*	0	*	*
Amicalola Electric Member Corp	Cooperative	*	0	0	0	*
Berkeley Electric Coop Inc	Cooperative	6	0	0	0	6
Black River Electric Coop Inc	Cooperative	2	0	0	0	2
Brunswick Electric Member Corp	Cooperative	*	*	0	0	*
BARC Electric Coop Inc	Cooperative	*	0	0	0	*
Carolina Power & Light Co	Investor-Owned	754	369	885	0	2,008
Carroll Electric Member Corp	Cooperative	1	*	1	*	2
Central Georgia El Member Corp	Cooperative	4	0	0	0	4
Central Virginia Electric Coop	Cooperative	0	*	0	*	1
Choctawhatche Elec Coop Inc	Cooperative	5	0	0	0	5
Coastal Electric Member Corp	Cooperative	1	0	0	0	1
Cobb Electric Membership Corp	Cooperative	19	0	0	0	19
Colquitt Electric Members Corp	Cooperative	*	*	1	0	1
Community Electric Coop	Cooperative	*	*	0	0	*
Coweta-Fayette El Member Corp	Cooperative	62	0	0	0	62

See footnotes at end of table.

Table 11. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
SERC (Continued)						
Crescent Electric Member Corp	Cooperative	*	*	*	*	1
Douglas City of	Publicly Owned	*	*	*	0	1
Duke Power Co	Investor-Owned	100	64	0	0	164
Easley Combined Utility System	Publicly Owned	0	0	0	2	2
East Point City of	Publicly Owned	*	*	0	0	*
Excelsior Electric Member Corp	Cooperative	*	0	0	0	*
Fairfield Electric Coop Inc	Cooperative	1	0	0	0	1
Fayetteville Public Works Comm	Publicly Owned	*	0	0	0	*
Fitzgerald Wtr Lgt & Bond Comm	Publicly Owned	*	0	0	0	*
Flint Electric Membership Corp	Cooperative	2	*	*	*	3
Florida Keys El Coop Assn Inc	Cooperative	*	*	*	0	*
Florida Power & Light Co	Investor-Owned	1,958	1,347	0	0	3,305
Florida Power Corp	Investor-Owned	156	166	666	56	1,044
Fort Pierce Utilities Auth	Publicly Owned	1	0	0	0	1
Gainesville Regional Utilities	Publicly Owned	42	20	0	4	66
Georgia Power Co	Investor-Owned	187	46	8	0	242
Grady County Elec Member Corp	Cooperative	*	0	*	0	*
Greenville Utilities Comm	Publicly Owned	16	0	0	0	16
Gulf Power Co	Investor-Owned	223	207	–38	8	401
Haywood Electric Member Corp	Cooperative	*	0	0	0	*
Jackson Electric Member Corp	Cooperative	2	*	1	0	3
Jacksonville Electric Auth	Publicly Owned	27	7	*	0	34
Jefferson Electric Member Corp	Cooperative	*	*	*	*	1
Kissimmee Utility Authority	Publicly Owned	4	1	0	1	6
Lakeland City of	Publicly Owned	1	0	0	0	1
Laurens Electric Coop Inc	Cooperative	*	*	0	0	*
Laurinburg City of	Publicly Owned	*	*	0	0	*
Lawrenceville City of	Publicly Owned	*	*	0	*	*
Lee County Electric Coop Inc	Cooperative	21	3	0	0	24
Leesburg City of	Publicly Owned	0	0	*	0	*
Lumberton City of	Publicly Owned	*	0	0	0	*
Lynches River Elec Coop Inc	Cooperative	*	0	0	0	*
Manassas City of	Publicly Owned	*	0	0	0	*
Marietta City of	Publicly Owned	*	*	0	0	*
Mecklenburg Electric Coop Inc	Cooperative	*	0	*	0	*
Mid-Carolina Electric Coop Inc	Cooperative	4	0	0	0	4
Mississippi Power Co	Investor-Owned	10	0	0	0	10
Mitchell Electric Member Corp	Cooperative	*	*	0	0	1
Municipal Electric Authority	Publicly Owned	3	1	6	0	10
New Bern City of	Publicly Owned	1	*	0	0	1
Northern Neck Elec Coop Inc	Cooperative	*	*	0	0	*
Northern Virginia Elec Coop	Cooperative	*	*	*	0	1
Ocala City of	Publicly Owned	6	5	0	0	10
Orangeburg City of	Publicly Owned	*	*	*	*	1
Orlando Utilities Comm	Publicly Owned	25	58	0	0	83
Palmetto Electric Coop Inc	Cooperative	2	1	0	0	3
Pee Dee Electric Coop Inc	Cooperative	1	0	0	0	1
Planters Electric Member Corp	Cooperative	*	0	0	0	*
Rayle Electric Membership Corp	Cooperative	*	0	0	0	*
Reedy Creek Improvement Dist	Publicly Owned	0	*	0	0	*
Rock Hill City of	Publicly Owned	1	0	0	0	1
Satilla Rural Elec Member Corp	Cooperative	*	*	0	*	*
Savannah Electric & Power Co	Investor-Owned	14	*	0	0	15
Sawnee Electric Members Corp	Cooperative	1	0	0	0	1
Shenandoah Valley Elec Coop	Cooperative	1	0	0	0	1
Singing River Elec Power Assn	Cooperative	3	0	2	0	6
South Carolina Electric&Gas Co	Investor-Owned	148	35	9	0	192
South Carolina Pub Serv Auth	Publicly Owned	36	1	0	0	37
South Mississippi El Pwr Assn	Cooperative	24	0	–200	0	–176
Sumter Electric Coop Inc	Cooperative	16	4	0	0	20
Tallahassee City of	Publicly Owned	104	2	0	6	112
Tampa Electric Co	Investor-Owned	138	33	4	16	191
Tennessee Valley Authority	Federal	1,681	0	0	0	1,681
Thomasville City of	Publicly Owned	*	*	0	0	*
Tri-County Elec Member Corp	Cooperative	*	0	0	0	*
Tri-County Elec Member Corp	Cooperative	*	*	0	0	*
Virginia Electric & Power Co	Investor-Owned	136	127	162	17	441
Walton Electric Member Corp	Cooperative	1	0	0	0	1

See footnotes at end of table.

Table 11. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
SERC (Continued)						
Wilson City of	Publicly Owned	1	*	4	*	5
Withlacoochee River Elec Coop	Cooperative	3	0	0	0	3
York Electric Coop Inc	Cooperative	*	*	*	0	*
SERC Total		**5,999**	**2,524**	**1,511**	**110**	**10,143**
SPP						
Carroll Electric Coop Corp	Cooperative	*	*	0	0	*
Central Rural Electric Coop	Cooperative	3	0	0	0	3
Craighead Electric Coop Corp	Cooperative	0	*	*	0	*
Delta Electric Power Assn	Cooperative	0	0	3	0	3
First Electric Coop Corp	Cooperative	4	0	*	0	4
Independence City of	Publicly Owned	3	0	0	0	3
Kansas City City of	Publicly Owned	0	*	0	0	*
Kansas Electric Power Coop Inc	Cooperative	*	1	1	0	3
North Arkansas Elec Coop Inc	Cooperative	*	0	0	0	*
Northeast Louisiana Power Coop	Cooperative	0	10	0	0	10
Oklahoma Gas & Electric Co	Investor-Owned	123	0	0	0	123
Ozark Electric Coop Inc	Cooperative	6	0	0	0	6
Petit Jean Electric Coop Corp	Cooperative	*	*	0	0	*
Red River Valley Rrl Elec Assn	Cooperative	2	*	7	0	10
South Central Ark El Coop Inc	Cooperative	0	0	3	0	3
South Plains Electric Coop Inc	Cooperative	7	0	0	*	8
Southwestern Electric Power Co	Investor-Owned	27	0	0	0	27
Southwestern Public Service Co	Investor-Owned	122	0	9	1	132
Stillwater Utilities Authority	Publicly Owned	0	0	*	0	*
White River Valley El Coop Inc	Cooperative	0	0	*	0	*
SPP Total		**298**	**11**	**24**	**1**	**335**
WSCC(U.S.)						
Alameda City of	Publicly Owned	1	4	0	3	8
Anaheim City of	Publicly Owned	7	17	7	0	32
Arizona Electric Pwr Coop Inc	Cooperative	0	1	0	0	1
Arizona Public Service Co	Investor-Owned	417	129	0	0	545
Black Hills Corp	Investor-Owned	6	7	1	0	14
Bonneville Power Admin	Federal	2,149	1,033	627	421	4,230
Bountiful City City of	Publicly Owned	*	0	*	0	*
Colorado Springs City of	Publicly Owned	0	5	0	0	5
Columbia River Peoples Ut Dist	Publicly Owned	2	*	0	0	2
El Paso Electric Co	Investor-Owned	*	38	0	0	39
Ellensburg City of	Publicly Owned	12	2	0	0	15
Eugene City of	Publicly Owned	156	33	18	1	208
Fort Collins City of	Publicly Owned	0	0	*	0	*
Idaho Power Co	Investor-Owned	85	26	42	28	181
Imperial Irrigation District	Publicly Owned	7	1	*	0	8
Longmont City of	Publicly Owned	2	17	2	0	21
Los Angeles City of	Publicly Owned	81	100	50	32	264
Loveland City of	Publicly Owned	*	0	0	2	3
Modesto Irrigation District	Publicly Owned	2	11	0	0	13
Montana Power Co	Investor-Owned	55	119	24	20	218
Navopache Electric Coop Inc	Cooperative	1	*	*	0	1
Nevada Power Co	Investor-Owned	17	146	0	0	164
Overton Power District No 5	Publicly Owned	3	1	0	0	4
Pacific Gas & Electric Co	Investor-Owned	532	1,641	529	353	3,054
PacifiCorp	Investor-Owned	460	173	461	0	1,095
Palo Alto City of	Publicly Owned	1	11	0	0	12
Pasadena City of	Publicly Owned	4	12	0	0	16
Portland General Electric Co	Investor-Owned	209	315	123	0	647
Public Service Co of Colorado	Investor-Owned	12	95	86	0	193
Puget Sound Power & Light Co	Investor-Owned	935	659	153	29	1,776
PUD No 1 of Benton County	Publicly Owned	4	0	0	0	4
PUD No 1 of Clark County	Publicly Owned	10	10	0	0	20
PUD No 1 of Pend Oreille Cnty	Publicly Owned	2	*	5	0	7
PUD No 2 of Grant County	Publicly Owned	6	0	81	0	87
Redding City of	Publicly Owned	*	*	*	0	*
Riverside City of	Publicly Owned	9	*	0	0	9
Roseville City of	Publicly Owned	*	2	3	0	5
Sacramento Municipal Util Dist	Publicly Owned	219	346	0	0	565
Salem Electric Coop	Cooperative	2	0	0	0	2

See footnotes at end of table.

Table 11. U.S. Electric Utility Energy Savings by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995

(Million Kilowatthours) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
WSCC(U.S.) (Continued)						
Salt River Proj Ag I & P Dist	Publicly Owned	0	66	0	0	66
San Diego Gas & Electric Co	Investor-Owned	107	538	0	0	645
Santa Clara City of	Publicly Owned	*	*	1	0	1
Seattle City of	Publicly Owned	95	113	17	13	238
Sierra Pacific Power Co	Investor-Owned	14	84	125	0	223
Southern California Edison Co	Investor-Owned	1,335	3,278	1,964	221	6,798
Springfield City of	Publicly Owned	55	9	7	0	70
Sulphur Springs Valley E C Inc	Cooperative	0	0	*	0	*
Tacoma City of	Publicly Owned	24	32	15	*	71
Trico Electric Coop Inc	Cooperative	0	0	*	0	*
Tucson Electric Power Co	Investor-Owned	14	72	0	0	86
Turlock Irrigation District	Publicly Owned	8	*	1	0	9
United Power Inc	Cooperative	–2	*	0	0	–2
Utah Municipal Power Agency	Publicly Owned	*	1	0	2	4
Vera Irrigation District # 15	Publicly Owned	1	0	0	0	1
Vernon City of	Publicly Owned	0	0	3	0	3
Washington Water Power Co	Investor-Owned	443	32	16	0	491
Yellowstone Vlly Elec Coop Inc	Cooperative	8	0	0	0	8
WSCC(U.S.) Total		**7,509**	**9,182**	**4,361**	**1,126**	**22,178**
Contiguous U.S.		**20,248**	**26,157**	**9,608**	**1,360**	**57,374**
ASCC						
Alaska Electric Light&Power Co	Investor-Owned	*	*	0	0	*
Golden Valley Elec Assn Inc	Cooperative	3	1	*	0	4
ASCC Total		**3**	**1**	*****	**0**	**4**
Hawaii						
Hawaii Electric Light Co Inc	Investor-Owned	1	2	0	0	3
Hawaiian Electric Co Inc	Investor-Owned	1	10	0	0	11
Maui Electric Co Ltd	Investor-Owned	*	18	11	0	29
Hawaii Total		**2**	**29**	**11**	**0**	**43**
U.S. Total		**20,253**	**26,187**	**9,620**	**1,360**	**57,421**

* Value less than 0.5.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Peak Load Reductions

One of the main goals of DSM programs is to reduce a utility's peak load through energy efficiency and load control programs. Peak load reductions (measured in megawatts (MW)) are categorized as potential or actual. Potential peak load reductions are the amount of load available for curtailment through load control programs such as direct load control, interruptible load control, other load management, or other DSM programs. Actual peak load reductions are the amount of reduction that is achieved from load control programs that are put into force at the same time as peak load and the amount of reductions that result from energy efficiency programs at the time of peak load.

Utilities are required to report potential and actual peak load reductions on Form EIA-861 for the direct load control, interruptible load control, other load management, and other DSM program categories. Utilities are also required to report actual peak load reductions from energy efficiency programs. Actual and potential peak load reductions are generally the same for energy efficiency programs. These programs are focused on reducing energy consumption and operate over many hours during the year and not specifically during the time of peak load. However, to allow for more accurate comparisons and data analyses to be conducted, in this publication it is assumed that potential peak load reductions resulting from energy efficiency programs were equal to actual peak load reductions. Only large utilities are required to report annual effects for actual and potential peak load reductions; small utilities report only incremental peak load reductions.[8]

Annual Effects for Actual Peak Load Reductions

In 1995, actual peak load reductions were 29,561 MW, an increase of 89.3 percent since 1991. Actual peak load reductions are predicted by utilities to increase to 32,627 MW in 1996 and to 39,824 MW in 2000 (Table 12).

For the 1995 reporting year, investor-owned utilities accounted for 74.5 percent of actual peak load reductions. Cooperatives accounted for 8.9 percent, followed by publicly owned with 8.7 percent, and Federally owned with 7.9 percent. Utility forecasts indicated that investor-owned utilities are expected to increase actual peak load reductions by 13.6 percent in 1996 and to increase at an annual rate of 5.1 percent through 2000. In 2000, cooperatives are expected to provide 8.6 percent of actual peak load reductions and publicly owned utilities are expected to provide 8.1 percent (Table 12).[9] Cooperatives have the greatest peak load reductions as a percentage of utility peak load because, as purchasers of wholesale power, which is more expensive during peak periods, they focus on peak load reductions rather than energy savings. For this reason, it is economically efficient for cooperatives to reduce their system peak load as much as possible (Figure 5).

The 100 utilities with the greatest actual peak load reductions in 1995 accounted for 86.3 percent of the total peak load reduction. The 50 utilities with the greatest peak load reductions accounted for 74.5 percent of the total, and the top 25 utilities accounted for 60.4 percent (Figure 6). These 100, 50, and 25 utilities with the greatest actual peak load reductions represented 60.0, 42.0, and 26.4 percent, respectively, of total retail sales of electricity in the United States in 1995.

Energy efficiency programs accounted for the greatest share of actual peak load reductions, 44.7 percent of the 29,561 MW of total actual peak load reductions. Interruptible load, primarily an industrial sector program, contributed 28.4 percent of the total (Figure 7). Direct load control programs accounted for 18.1 percent of actual peak load reductions. Other load management and other DSM programs combined for the remaining 8.8 percent of total peak load reductions (Table 13). Other load management programs increased 3.6 percent from 1994 to 1995. The actual peak load reductions that are predicted for 1996 and 2000 indicate increases in all categories except other load management where a decrease is predicted for 1996. The greatest increase from 1995 to 1996 is predicted for the interruptible load program category, an increase of 1,698 MW. The greatest percentage of increase from 1995 to 1996, 20.2 percent, is expected from the interruptible program category. From 1996 to 2000, the average annual increase for actual peak load reductions is expected to be approximately 5.1 percent, with the greatest average annual growth rate predicted for energy efficiency programs at 6.8 percent (Tables 13 and 18).

[8] Incremental peak load reductions and energy savings are those caused by new programs and new participants in existing programs for the current reporting year.

[9] Actual Peak Load Reduction is a function of external factors such as weather conditions. Estimated predictions of actual peak load reductions depend on certain conditions remaining static from year to year. In reality, utilities cannot predict weather conditions that may affect data for the forecast period.

In 1995, the residential sector accounted for 37.0 percent of actual peak load reductions; the commercial sector, 27.2 percent; the industrial sector, 33.9 percent; and the "other" sector, 1.8 percent. The residential sector's share was greatest primarily because of the volume of participants in energy efficiency and direct load control programs. The greatest percentage of increase in actual peak load reductions from 1994 to 1995 was in the industrial sector with 25.8 percent. The residential sector increased actual peak load reductions 13.4 percent and the "other" sector increased 18.5 percent, while the commercial sector increased by 16.3 percent (Tables 14 and 20).

The NERC region with the greatest actual peak load reductions in 1995 was SERC with 34.2 percent of total U.S. peak load reductions, partly because several large utilities that had the largest load management programs in the United States are included. The WSCC region had the second greatest peak load reductions, contributing 17.0 percent of the total peak load reductions for 1995. The greatest increase in peak load reductions in MW, 1,541 MW, occurred in the SERC region, and the greatest percentage of increase, 55.3 percent, occurred in the ECAR region. For 1996, the MAAC region is predicted to increase by 50.7 percent. From 1996 to 2000, the MAIN region is predicted to increase at an annual rate of 10.5 percent (Table 18).

Potential Peak Load Reductions

In 1995, potential peak load reductions increased 9.6 percent to 47,029 MW. For 1996, potential reductions are predicted to increase 4.6 percent to 49,192 MW and 58,081 MW by 2000.

In 1995, investor-owned utilities accounted for 72.6 percent of the total potential peak load reduction; cooperative utilities accounted for 10.7 percent; Federally owned, 9.7 percent; and publicly owned, 6.9 percent. The greatest percentage of increase, 19.9 percent, was reported by publicly owned electric utilities. For 1996, a slight decrease is forecasted for Federally owned utilities. For 2000, publicly owned utilities are predicted to have the greatest annual rate of increase, 6.4 percent. Investor-owned utilities are predicted to continue to account for the greatest share of potential peak load reductions in 2000 at 73.5 percent.

Interruptible load programs accounted for 46.4 percent of potential peak load reductions in 1995; energy efficiency accounted for 28.1 percent; direct load control for 19.2 percent; and other load management and other DSM programs, combined, accounted for 6.3 percent. When comparing historical potential peak load reductions to projected potential peak load reductions, energy efficiency programs for 1995 and 1996 accounted for the greatest percentage increase. For 2000, the greatest average annual increase, 6.8 percent, is predicted for energy efficiency programs. In 2000, the greatest share of potential peak load reduction is expected for interruptible load programs (Table 13).

The industrial sector accounted for 44.0 percent in 1995, the greatest share of potential peak load reductions, primarily as a result of interruptible load programs. The residential and commercial sectors contributed 29.9 percent and 24.4 percent, respectively, in 1995. The other sector accounted for 1.6 percent.

In 1995, the SERC region accounted for 33.1 percent of the total potential peak load reductions, primarily because the Tennessee Valley Authority, Carolina Power and Light, Duke Power, Florida Power and Light, and Florida Power Corporation are included. The ECAR region accounted for the largest increase of MW and percentage in potential peak load reductions from 1994 to 1995. The ECAR region is predicted to have the greatest increase from 1995 to 1996. The SERC region is forecasted to continue to contribute the greatest share of potential peak reductions in 1996 and 2000.

Incremental Effects for Actual Peak Load Reduction

In 1995, large utilities reported incremental actual peak load reductions of 4,600 MW. All of the ownership classes reported an increase over 1994 levels except for cooperatives. Investor-owned electric utilities continued to account for the greatest share of incremental reductions, 85.5 percent. Among the small utilities, no ownership class reported an increase over 1994 incremental effects (Table 15).

All but two of the program categories were reported to increase incremental actual peak load reductions for large utilities in 1995. Energy efficiency programs accounted for the largest percentage of incremental actual peak load reductions. The largest increase occurred in the interruptible load category.

For large utilities, the industrial sector accounted for the greatest percent of actual peak load reductions. For small utilities, the residential sector accounted for the greatest amount, 55.6 percent, of actual peak load reductions (Table 17).

Table 12. U.S. Electric Utility Actual and Potential Peak Load Reductions by Class of Ownership, 1991 Through 1995, 1996, and 2000

(Megawatts)

Class of Ownership	Historical Actual Reductions					Projected Actual Reductions	
	1991	1992	1993	1994	1995	1996	2000
Investor-Owned	10,576	12,330	16,362	17,932	22,035	25,024	30,494
Publicly Owned	1,634	1,794	1,898	2,123	2,569	2,479	3,206
Cooperative	2,821	2,374	2,327	2,459	2,634	2,804	3,422
Federal	588	707	2,481	2,487	2,323	2,321	2,703
U.S. Total [1]	**15,619**	**17,204**	**23,069**	**25,001**	**29,561**	**32,627**	**39,824**
	Historical Potential Reductions					**Projected Potential Reductions**	
	1991	**1992**	**1993**	**1994**	**1995**	**1996**	**2000**
Investor-Owned	NA	23,774	28,059	30,823	34,163	36,131	42,697
Publicly Owned	NA	2,305	2,376	2,713	3,252	3,413	4,369
Cooperative	NA	3,669	4,662	4,783	5,049	5,139	6,212
Federal	NA	2,694	4,411	4,599	4,565	4,509	4,803
U.S. Total [2]	NA	**32,442**	**39,508**	**42,917**	**47,029**	**49,192**	**58,081**

[1] Represents the sum of the actual peak load reductions attributable to direct load control, interruptible load, energy efficiency, other load management, and other demand-side management.

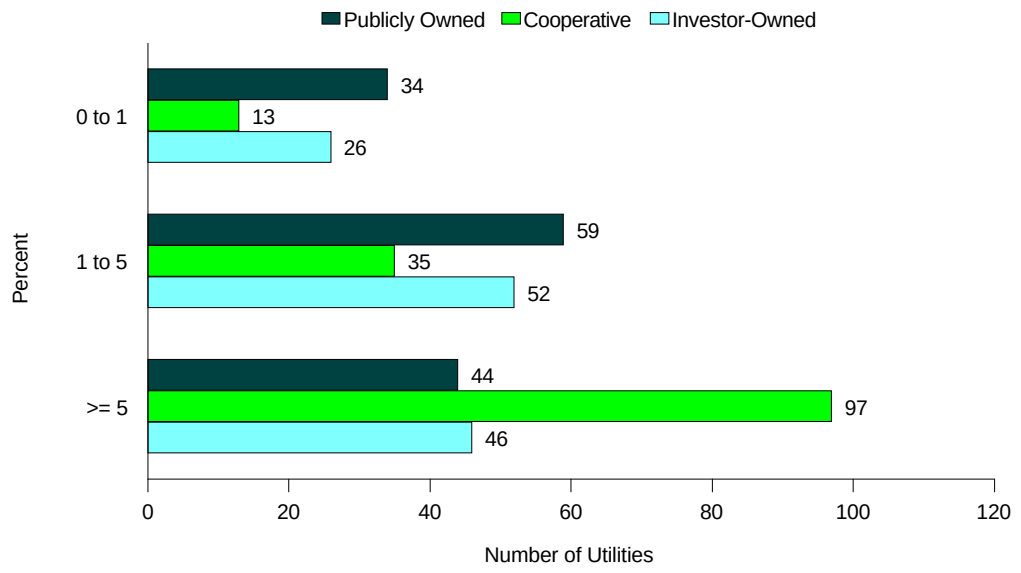
[2] Represents the sum of the potential peak load reductions attributable to direct load control, interruptible load, other load management, other demand-side management, including the actual peak load reduction achieved by energy efficiency programs.

NA=Data not available.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

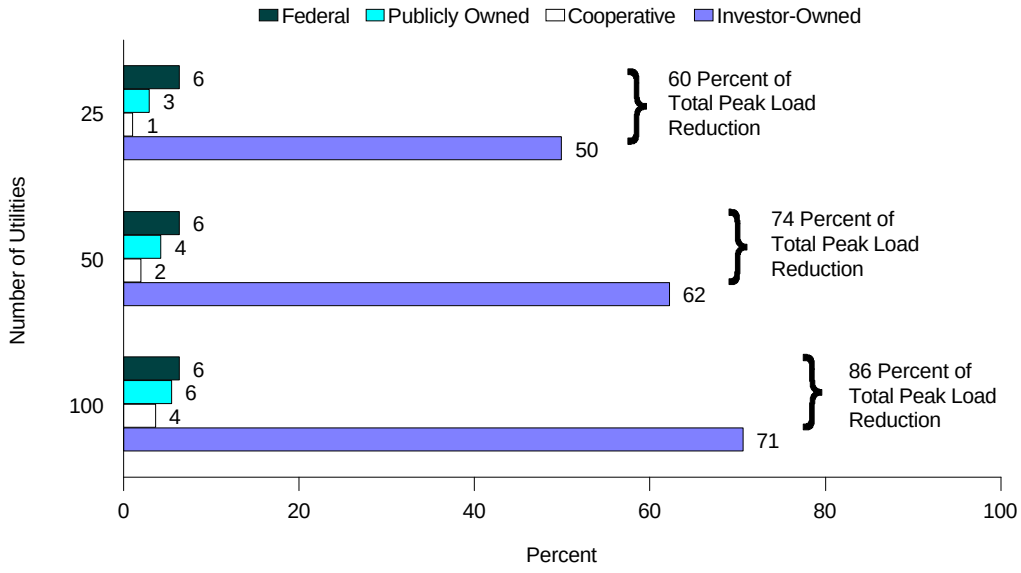
Source: Energy Information Administration, Form EIA-861, ''Annual Electric Utility Report.''

Figure 5. Actual Peak Load Reductions as a Percentage of Total Peak Load by U.S. Electric Utilities with DSM Peak Load Reduction Programs and by Class of Ownership, 1995



Note: Graph includes only large utilities that reported peak load reductions.
Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Figure 6. The Top 25, 50, and 100 U.S. Electric Utilities with the Greatest DSM Program Peak Load Reductions by Class of Ownership, 1995



Note: Totals may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table 13. U.S. Electric Utility Actual and Potential Peak Load Reductions by DSM Program Category, 1994, 1995, 1996, and 2000

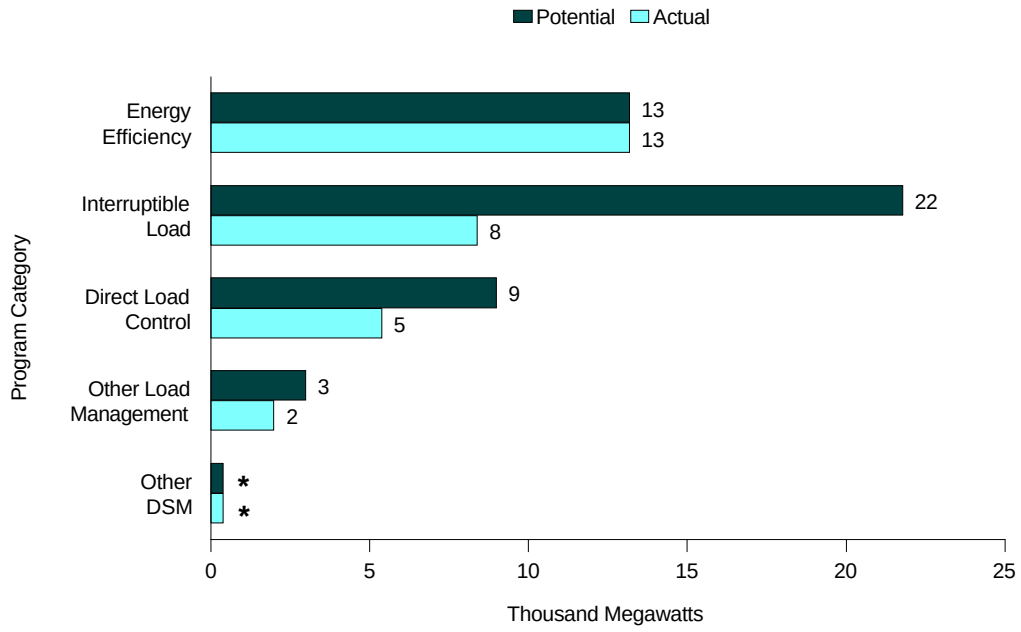
(Megawatts)

Program Category	Historical Actual Reductions	
	1994	1995
Energy Efficiency	11,662	13,212
Direct Load Control	4,179	5,352
Interruptible Load	6,743	8,401
Other Load Management	2,092	2,168
Other Demand-Side Management	326	426
U.S. Total	**25,001**	**29,561**
	Projected Actual Reductions	
	1996	**2000**
Energy Efficiency	14,423	18,786
Direct Load Control	5,507	6,812
Interruptible Load	10,099	11,127
Other Load Management	2,149	2,596
Other Demand-Side Management	449	503
U.S. Total	**32,627**	**39,824**
	Historical Potential Reductions	
	1994	**1995**
Energy Efficiency	11,662	13,212
Direct Load Control	8,890	9,036
Interruptible Load	19,384	21,820
Other Load Management	2,468	2,485
Other Demand-Side Management	513	476
U.S. Total	**42,917**	**47,029**
	Projected Potential Reductions	
	1996	**2000**
Energy Efficiency	14,423	18,786
Direct Load Control	9,267	11,237
Interruptible Load	22,202	24,043
Other Load Management	2,766	3,371
Other Demand-Side Management	534	643
U.S. Total	**49,192**	**58,081**

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Figure 7. U.S. Electric Utility Actual and Potential Peak Load Reductions by DSM Program Category, 1995



* Value is less than 500 megawatts.

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

Table 14. U.S. Electric Utility Actual and Potential Peak Load Reductions by Sector, 1994 and 1995

(Megawatts)

Sectors	1994		1995	
	Actual	Potential	Actual	Potential
Residential	9,638	13,851	10,930	14,047
Commercial	6,927	9,915	8,054	11,494
Industrial	7,977	18,271	10,033	20,716
Other	460	881	545	773
U.S. Total	**25,001**	**42,917**	**29,561**	**47,029**

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Table 15. U.S. Electric Utility Incremental Actual Peak Load Reductions by Class of Ownership, 1994 and 1995

(Megawatts)

Class of Ownership	Large Utilities [1]		Small Utilities [2]		Total	
	1994	1995	1994	1995	1994	1995
Investor-Owned	2,568	3,935	*	*	2,568	3,936
Publicly Owned	311	428	48	25	359	453
Cooperative	283	224	17	10	300	234
Federal	7	13	0	0	7	13
U.S. Total	**3,169**	**4,600**	**65**	**36**	**3,234**	**4,636**

1 Refers to electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours.

2 Refers to electric utilities with sales to ultimate consumers and sales for resale less than 120,000 megawatthours.

* Value less than 0.5.

Notes: •Data are final. •Totals may not equal sum of components because of independent rounding.

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

Table 16. U.S. Electric Utility Incremental Actual Peak Load Reductions by DSM Program Category, 1994 and 1995

(Megawatts)

Program Category	Large Utilities [1]		Small Utilities [2]		Total	
	1994	1995	1994	1995	1994	1995
Energy Efficiency	1,751	1,561	9	7	1,760	1,567
Direct Load Control	457	552	27	20	483	572
Interruptible Load	704	2,209	21	4	725	2,213
Other Load Management	224	246	6	3	230	249
Other Demand-Side Management	33	32	2	2	35	34
U.S. Total	**3,169**	**4,600**	**65**	**36**	**3,234**	**4,636**

1 Refers to electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours.
2 Refers to electric utilities with sales to ultimate consumers and sales for resale less than 120,000 megawatthours.
Notes: •Data are final. •Totals may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-861, ''Annual Electric Utility Report.''

Table 17. U.S. Electric Utility Incremental Actual Peak Load Reductions by Sector, 1994 and 1995

(Megawatts)

Sector	Large Utilities [1]		Small Utilities [2]		Total	
	1994	1995	1994	1995	1994	1995
Residential	1,083	860	27	20	1,110	880
Commercial	1,244	1,176	7	10	1,251	1,186
Industrial	785	2,426	24	4	809	2,430
Other	57	139	6	2	64	140
U.S. Total	**3,169**	**4,600**	**65**	**36**	**3,234**	**4,636**

1 Refers to electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours.
2 Refers to electric utilities with sales to ultimate consumers and sales for resale less than 120,000 megawatthours.
Notes: •Data are final. •Totals may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-861, ''Annual Electric Utility Report.''

Table 18. U.S. Electric Utility Actual and Potential Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Utility, 1994, 1995, 1996, and 2000

(Megawatts)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Historical Reductions				Projected Reductions			
	1994		1995		1996		2000	
	Actual	Potential	Actual	Potential	Actual	Potential	Actual	Potential
ECAR								
American Mun Power-Ohio Inc	7	10	7	10	8	13	11	18
Appalachian Power Co	110	212	110	219	112	220	195	303
Buckeye Power Inc	124	124	122	122	128	128	147	147
Cincinnati Gas & Electric Co	143	152	146	146	133	133	251	251
Cleveland Electric Illum Co	11	101	20	110	22	112	17	107
Columbus Southern Power Co	30	38	29	53	38	54	55	71
Consumers Power Co	68	68	63	63	60	63	5	6
Crawfordsville Elec Lgt&Pwr Co	0	0	*	*	*	*	*	*
Dayton Power & Light Co	—	—	57	57	58	171	96	229
Detroit Edison Co	37	53	678	758	702	782	775	925
East Kentucky Power Coop Inc	17	17	27	27	28	28	55	55
Hamilton City of	0	1	0	1	0	2	0	4
Indiana Michigan Power Co	61	85	69	91	241	283	251	293
Indiana Municipal Power Agency	0	0	*	*	6	6	20	20
Indianapolis Power & Light Co	18	40	64	77	61	77	86	102
Kentucky Power Co	27	34	30	36	32	40	58	66
Kentucky Utilities Co	11	52	58	60	65	68	69	72
Kingsport Power Co	2	2	3	3	4	4	7	7
Lansing City of	*	5	*	6	*	6	1	9
Louisville Gas & Electric Co	70	122	55	89	114	141	130	130
Midwest Electric Inc	10	10	10	10	10	10	12	12
Monongahela Power Co	85	85	94	121	127	127	166	166
Northern Indiana Pub Serv Co	0	121	0	125	0	129	0	141
Ohio Edison Co	16	405	34	422	47	436	118	507
Ohio Power Co	128	210	97	273	197	275	213	291
Owen Electric Coop Inc	1	1	1	1	1	1	2	2
Pennsylvania Power Co	40	66	40	66	40	67	43	70
Potomac Edison Co	180	180	195	195	212	212	243	243
PSI Energy Inc	107	107	154	154	148	148	236	236
South Central Power Co	27	27	0	29	0	29	0	32
Southern Indiana Gas & Elec Co	27	58	50	50	60	60	75	75
Toledo Edison Co	8	73	16	81	18	83	14	79
Wabash Valley Power Assn Inc	40	50	40	50	42	52	8	68
Wadsworth City of	8	8	10	10	10	10	10	10
West Penn Power Co	163	163	165	165	169	169	187	187
Wheeling Power Co	1	1	1	21	21	21	21	21
Wolverine Pwr Supply Coop Inc	8	13	11	21	11	21	13	23
ECAR Total	**1,583**	**2,691**	**2,458**	**3,723**	**2,926**	**4,180**	**3,588**	**4,976**
ERCOT								
Austin City of	236	283	244	291	332	379	456	480
Brazos Electric Power Coop Inc	3	3	4	4	6	6	8	8
Bryan City of	12	12	13	13	14	14	20	20
Central Power & Light Co	76	380	45	350	58	415	70	461
College Station City of	1	2	1	2	1	2	1	2
Denton City of	2	2	1	1	1	1	2	2
Garland City of	14	32	14	32	13	28	13	28
Georgetown City of	—	—	1	2	3	4	7	8
Greenville Electric Util Sys	4	6	4	6	4	6	7	11
Guadalupe Valley Elec Coop Inc	59	63	57	64	57	65	58	66
Houston Lighting & Power Co	73	939	91	958	105	892	196	1,036
Johnson County Elec Coop Assn	2	2	—	—	—	—	—	—
Lower Colorado River Authority	76	94	103	103	37	37	176	176
Magic Valley Electric Coop Inc	*	*	1	7	7	7	10	10
Medina Electric Coop Inc	7	35	8	35	8	35	6	21
San Bernard Electric Coop Inc	6	22	6	22	6	22	7	24
San Marcos City of	3	12	3	3	3	3	3	3
Texas Utilities Electric Co	1,233	1,889	1,250	1,994	1,262	2,146	1,276	2,290
Texas-New Mexico Power Co	28	28	19	19	19	19	19	19
Tri-County Electric Coop Inc	3	3	—	—	—	—	—	—
West Texas Utilities Co	0	57	8	63	10	59	12	61
ERCOT Total	**1,838**	**3,863**	**1,873**	**3,969**	**1,946**	**4,139**	**2,345**	**4,724**

See footnotes at end of table.

Table 18. U.S. Electric Utility Actual and Potential Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Utility, 1994, 1995, 1996, and 2000

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Historical Reductions				Projected Reductions			
	1994		1995		1996		2000	
	Actual	Potential	Actual	Potential	Actual	Potential	Actual	Potential
MAAC								
A & N Electric Coop	1	1	1	2	1	2	2	3
Adams Electric Coop Inc	14	16	25	27	27	30	36	40
Allegheny Electric Coop Inc	15	23	42	45	0	48	0	56
Atlantic City Electric Co	64	94	96	96	82	82	82	82
Baltimore Gas & Electric Co	104	865	65	676	131	627	114	661
Bedford Rural Elec Coop Inc	2	2	—	—	—	—	—	—
Central Electric Coop Inc	4	4	4	5	4	5	6	6
Choptank Electric Coop Inc	5	11	7	15	11	24	13	29
Claverack Rural Elec Coop Inc	5	5	5	6	0	6	0	6
Conowingo Power Co	3	3	—	—	—	—	—	—
Delaware Electric Coop Inc	7	17	8	20	8	21	11	27
Delmarva Power & Light Co	248	256	145	276	130	243	145	279
Easton Utilities Comm	*	*	*	*	*	*	*	*
Jersey Central Power&Light Co	345	347	595	603	697	697	985	985
Metropolitan Edison Co	281	281	280	280	279	279	328	328
Northwestern Rural E C A Inc	6	6	7	7	8	8	9	9
Pennsylvania Electric Co	35	35	64	64	70	70	85	85
Pennsylvania Power & Light Co	9	299	23	313	30	320	59	349
Potomac Electric Power Co	272	509	364	636	710	710	1,071	1,071
Public Service Electric&Gas Co	283	315	280	470	700	700	1,121	1,121
PECO Energy Co	46	371	49	383	236	236	241	241
Somerset Rural Elec Coop Inc	2	3	3	3	2	3	2	3
Southern Maryland El Coop Inc	48	208	37	216	47	249	84	354
Southwest Central R E C Corp	*	*	0	3	0	5	0	6
Tri-County Rural Elec Coop Inc	1	1	2	3	2	3	6	7
United Electric Coop Inc	0	0	4	4	0	4	0	5
Valley Rural Electric Coop Inc	2	5	4	5	4	5	4	5
MAAC Total	**1,803**	**3,679**	**2,110**	**4,157**	**3,179**	**4,376**	**4,404**	**5,758**
MAIN								
Boone Electric Coop	4	10	3	3	3	3	3	3
Central Illinois Light Co	70	70	75	75	0	54	17	73
Coles-Moultrie Electric Coop	7	7	8	8	10	10	11	11
Columbia City of	9	24	9	9	16	16	30	27
Commonwealth Edison Co	24	174	183	183	343	343	679	682
Corn Belt Electric Coop Inc	6	16	13	22	14	17	17	21
Cuivre River Electric Coop Inc	9	10	9	11	9	12	13	14
Eastern Illini Electric Coop	10	15	11	16	11	16	11	16
Farmington City of	—	—	0	*	0	*	0	1
Illinois Power Co	0	170	97	190	100	188	100	148
Madison Gas & Electric Co	42	75	51	86	63	91	85	114
Manitowoc Public Utilities	2	2	3	3	3	3	3	4
Marshfield City of	1	1	1	2	1	4	4	9
Menard Electric Coop	0	*	0	*	*	*	*	*
Shelby Electric Coop Inc	8	8	10	10	11	11	12	13
Southeastern IL Elec Coop Inc	0	*	0	*	0	*	0	*
Southwestern Electric Coop Inc	13	21	21	29	12	23	14	27
Springfield City of	6	10	7	11	8	12	13	17
Tri-County Electric Coop Inc	12	12	11	11	12	12	16	17
Union Electric Co	140	185	131	182	133	184	309	335
Wayne-White Counties Elec Coop	0	12	0	13	10	13	10	13
Wisconsin Electric Power Co	619	744	355	735	369	856	352	963
Wisconsin Power & Light Co	63	244	70	216	92	234	153	295
Wisconsin Public Power Inc Sys	21	21	28	30	27	29	58	60
Wisconsin Public Service Corp	111	145	164	297	290	290	383	383
MAIN Total	**1,177**	**1,977**	**1,257**	**2,140**	**1,536**	**2,421**	**2,291**	**3,246**
MAPP(U.S.)								
Ames City of	1	1	1	1	3	3	4	4
Anoka City of	*	*	1	1	1	1	1	1
Austin City of	12	12	5	6	2	2	2	2
Barron Electric Coop	6	6	4	4	4	4	4	4
Beatrice City of	1	5	—	—	—	—	—	—
Capital Electric Coop Inc	—	—	2	6	2	6	2	6

See footnotes at end of table.

Table 18. U.S. Electric Utility Actual and Potential Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Utility, 1994, 1995, 1996, and 2000

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Historical Reductions				Projected Reductions			
	1994		1995		1996		2000	
	Actual	Potential	Actual	Potential	Actual	Potential	Actual	Potential
MAPP(U.S.) (Continued)								
Cass County Electric Coop Inc	55	65	56	67	56	58	62	67
Cedar Falls City of	*	*	*	*	*	*	*	*
Central Iowa Power Coop	*	3	*	*	1	1	1	1
Central Power Elec Coop Inc	15	22	15	22	16	23	17	24
Chaska City of	—	—	2	2	2	2	3	3
Clark Electric Coop	4	4	3	3	4	4	4	4
Coop Power Assn	5	138	4	151	7	166	17	240
Cornhusker Public Power Dist	1	1	13	13	13	13	13	14
Custer Public Power District	—	—	14	14	14	14	14	14
Dawson County Public Pwr Dist	*	*	*	*	0	*	0	*
Denison City of	—	—	2	3	2	3	2	4
East Grand Forks City of	2	3	1	8	1	8	1	9
East River Elec Power Coop Inc	49	104	58	104	53	113	57	126
Eau Claire Electric Coop	—	—	*	*	*	*	*	*
Elkhorn Rural Public Pwr Dist	—	—	27	30	29	32	32	35
Fairmont Public Utilities Comm	2	2	2	3	4	4	7	8
Grant-Lafayette Electric Coop	6	6	5	6	5	6	5	6
Interstate Power Co	56	78	63	63	80	80	147	147
Iowa Lakes Electric Coop	8	29	8	29	8	30	9	36
Iowa-Illinois Gas&Electric Co	5	5	—	—	—	—	—	—
IES Utilities Inc	110	366	444	444	477	477	547	547
L & O Power Coop	2	2	2	2	2	2	2	2
Lexington City of	1	1	1	1	1	1	1	1
Lincoln Electric System	2	2	3	4	4	4	7	7
Loup River Public Power Dist	3	14	5	9	7	10	8	10
Marshall City of	2	5	2	5	3	7	4	8
Midland Power Coop	*	*	3	3	3	3	3	3
Midwest Power Systems Inc	224	224	—	—	—	—	—	—
MidAmerican Energy Co	—	—	299	299	313	313	561	561
Minnesota Power & Light Co	124	210	228	321	241	339	254	367
Minnkota Power Coop Inc	291	291	325	325	325	325	349	349
Moorhead City of	12	12	12	12	13	13	13	13
Mountrail-Williams Elec Coop	3	5	3	6	4	6	4	6
Municipal Energy Agency of NE	20	23	25	25	18	19	19	23
MDU Resources Group Inc	9	13	13	13	13	13	13	13
Nebraska Public Power District	7	9	232	391	229	386	255	429
Nodak Electric Coop Inc	63	63	63	63	64	64	70	70
Norris Public Power District	5	8	7	10	8	10	9	12
North Platte City of	8	8	8	8	8	8	8	8
Northern States Power Co of MN	774	774	956	956	1,096	1,096	1,478	1,478
Northern States Power Co of WI	125	149	140	173	163	198	218	275
Northwest Iowa Power Coop	16	38	18	41	20	44	28	55
Northwestern Public Service Co	*	*	*	*	*	*	1	1
Northwestern Wisconsin Elec Co	*	1	1	1	1	2	1	2
Oakdale Electric Coop	4	4	3	3	4	4	4	4
Oliver-Mercer Elec Coop Inc	4	6	4	6	4	6	4	6
Omaha Public Power District	3	3	4	4	4	4	9	9
Otter Tail Power Co	85	102	59	100	17	104	18	110
Owatonna City of	10	20	10	21	6	17	6	19
People 's Coop Power Assn	4	4	1	1	5	5	6	6
Pierre City of	5	8	5	8	6	9	8	11
Polk-Burnett Electric Coop	8	8	8	20	9	22	11	25
Rice Lake Utilities	*	*	*	*	*	*	1	1
Rochester Public Utilities	4	10	1	12	1	12	1	17
Roseau Electric Coop Inc	19	19	20	20	21	21	25	25
Shakopee Public Utilities Comm	1	1	1	1	*	*	3	5
Spencer City of	*	*	*	*	*	*	1	1
Superior Water Light&Power Co	2	2	1	1	*	*	*	*
Tri-County Electric Coop	9	9	7	7	7	7	7	7
United Power Assn	105	166	148	224	159	239	190	286
Verendrye Electric Coop Inc	0	0	5	5	5	5	7	7
Vernon Electric Coop	6	6	4	5	4	4	5	5
Wild Rice Electric Coop Inc	18	18	—	—	—	—	—	—
York County Rural Pub Pwr Dist	—	—	15	15	15	15	15	15
MAPP(U.S.) Total	**2,319**	**3,089**	**3,373**	**4,101**	**3,585**	**4,389**	**4,580**	**5,555**

See footnotes at end of table.

Table 18. U.S. Electric Utility Actual and Potential Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Utility, 1994, 1995, 1996, and 2000

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Historical Reductions				Projected Reductions			
	1994		1995		1996		2000	
	Actual	Potential	Actual	Potential	Actual	Potential	Actual	Potential
NPCC(U.S.)								
Arcade Village of	*	1	0	1	1	1	1	1
Bangor Hydro-Electric Co	9	9	10	10	10	11	10	11
Blackstone Valley Electric Co	1	1	1	1	1	1	*	*
Boston Edison Co	114	119	107	107	103	113	123	135
Braintree Town of	4	8	3	8	5	8	6	9
Burlington City of	8	8	10	10	10	10	13	13
Cambridge Electric Light Co	18	28	27	27	20	20	20	20
Central Hudson Gas & Elec Corp	25	34	26	26	25	25	33	33
Central Maine Power Co	92	92	100	100	127	127	153	153
Central Vermont Pub Serv Corp	15	15	18	18	20	20	25	25
Chicopee City of	2	2	2	2	2	2	3	3
Citizens Utilities Co	1	7	10	16	15	20	25	31
Commonwealth Electric Co	22	23	98	98	17	17	0	0
Concord Electric Co	1	1	1	2	2	2	3	4
Connecticut Light & Power Co	262	262	295	295	296	296	334	334
Connecticut Valley Elec Co Inc	6	6	1	1	*	*	*	*
Consolidated Edison Co-NY Inc	517	517	608	608	720	720	978	978
Eastern Edison Co	6	6	6	6	6	6	5	5
Exeter & Hampton Electric Co	1	1	2	2	2	2	4	4
Fitchburg Gas & Elec Light Co	2	2	3	3	3	3	5	5
Granite State Electric Co	9	9	8	8	10	10	11	11
Green Mountain Power Corp	18	25	16	22	18	24	25	31
Hingham City of	3	7	3	7	4	7	4	8
Holyoke City of	1	1	*	*	1	1	1	1
Jamestown City of	*	*	1	1	2	2	2	2
Littleton Town of	0	1	0	1	0	*	0	*
Long Island Lighting Co	164	164	175	175	186	186	230	230
Maine Public Service Co	1	2	1	2	1	2	1	2
Massachusetts Electric Co	159	159	170	170	221	221	264	264
Massena Town of	1	4	1	4	1	4	2	6
Montaup Electric Co	34	34	22	22	49	49	72	72
Narragansett Electric Co	61	61	60	60	73	73	82	82
New England Power Co	52	64	71	107	70	97	72	98
New Hampshire Elec Coop Inc	7	7	*	10	1	3	1	2
New York State Elec & Gas Corp	120	120	135	135	129	129	209	209
Niagara Mohawk Power Corp	168	168	191	191	200	200	230	230
North Attleborough Town of	2	2	2	2	2	2	4	4
Norwood City of	1	1	2	2	*	*	*	*
Omya Inc	*	*	*	*	*	*	*	*
Orange & Rockland Utils Inc	124	124	131	131	138	138	157	157
Power Authority of State of NY	42	42	52	52	66	66	97	97
Public Service Co of NH	1	1	7	7	8	8	24	24
Reading Town of	6	8	6	8	*	9	*	9
Rochester Gas & Electric Corp	55	55	56	56	61	61	70	72
Shrewsbury Town of	3	3	3	3	3	3	3	3
Taunton City of	1	1	*	*	1	1	1	1
United Illuminating Co	68	68	83	83	95	95	164	164
Wellesley Town of	0	0	1	1	1	1	1	1
Western Massachusetts Elec Co	58	58	70	70	71	71	90	90
NPCC(U.S.) Total	**2,261**	**2,325**	**2,594**	**2,667**	**2,799**	**2,869**	**3,558**	**3,633**
SERC								
Aiken Electric Coop Inc	4	4	5	5	6	6	7	7
Alabama Electric Coop Inc	8	105	10	107	12	109	14	118
Alabama Municipal Elec Auth	3	5	3	5	7	8	7	8
Alabama Power Co	83	703	97	823	103	902	140	1,169
Albemarle City of	*	*	*	*	*	*	*	*
Altamaha Electric Member Corp	3	8	3	8	2	9	3	10
Amicalola Electric Member Corp	1	4	2	4	2	5	2	6
Berkeley Electric Coop Inc	24	61	30	60	30	58	37	82
Black River Electric Coop Inc	5	5	5	5	5	5	5	5
Brunswick Electric Member Corp	19	24	23	29	18	29	20	32
BARC Electric Coop Inc	2	2	2	2	2	2	2	2
Canoochee Electric Member Corp	2	4	—	—	—	—	—	—

See footnotes at end of table.

Table 18. U.S. Electric Utility Actual and Potential Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Utility, 1994, 1995, 1996, and 2000

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Historical Reductions				Projected Reductions			
	1994		1995		1996		2000	
	Actual	Potential	Actual	Potential	Actual	Potential	Actual	Potential
SERC (Continued)								
Carolina Power & Light Co	979	979	1,143	1,143	709	1,158	866	1,313
Carroll Electric Member Corp	16	23	17	24	17	24	12	20
Central Florida Elec Coop Inc	2	3	—	—	—	—	—	—
Central Georgia El Member Corp	18	19	19	20	17	17	19	20
Central Virginia Electric Coop	50	66	60	72	74	91	129	151
Choctawhatche Elec Coop Inc	1	1	1	1	1	1	2	2
Clay Electric Coop Inc	60	124	62	127	62	112	86	152
Coast Electric Power Assn	—	—	20	20	20	20	30	30
Coastal Electric Member Corp	4	4	4	4	4	4	2	3
Cobb Electric Membership Corp	45	45	55	55	62	62	70	70
Colquitt Electric Members Corp	19	20	21	21	22	22	26	27
Community Electric Coop	2	2	4	4	4	4	4	4
Coweta-Fayette El Member Corp	36	38	35	40	35	40	35	41
Crescent Electric Member Corp	17	22	13	17	17	21	23	27
Crisp County Power Comm	2	2	2	2	2	2	3	3
Davidson Electric Member Corp	6	7	—	—	—	—	—	—
Dothan City of	4	5	4	5	3	5	3	5
Douglas City of	3	3	3	3	3	4	4	4
Duke Power Co	70	1,525	83	1,083	6	1,013	52	1,091
Easley Combined Utility System	2	2	11	11	12	12	12	12
East Point City of	4	8	4	9	6	9	7	11
Elizabeth City City of	0	14	0	2	0	7	0	7
Excelsior Electric Member Corp	0	3	0	3	0	3	0	3
Fairfield Electric Coop Inc	3	3	3	3	3	3	3	3
Fayetteville Public Works Comm	1	1	1	1	1	1	2	9
Fitzgerald Wtr Lgt & Bond Comm	1	1	1	1	1	1	1	1
Flint Electric Membership Corp	38	38	40	40	5	5	7	7
Florida Keys El Coop Assn Inc	2	3	1	3	3	4	4	6
Florida Power & Light Co	1,568	1,568	1,771	1,771	1,918	1,918	2,534	2,534
Florida Power Corp	302	1,505	1,386	1,614	1,663	1,663	1,886	1,886
Fort Pierce Utilities Auth	*	*	*	*	*	*	*	*
Gaffney City of	*	*	1	1	1	1	1	1
Gainesville Regional Utilities	16	16	16	16	16	16	19	19
Georgia Power Co	507	508	848	848	874	874	909	909
Grady County Elec Member Corp	5	7	5	7	5	7	6	8
Greenville Utilities Comm	31	34	27	31	41	45	48	54
Greer Comm of Public Works	1	1	1	1	3	3	4	4
GreyStone Power Corp	24	48	25	49	25	51	29	58
Gulf Power Co	144	144	163	163	180	180	273	273
Harrisonburg City of	5	5	5	5	14	14	14	14
Hart Electric Member Corp	7	8	7	8	7	8	9	10
Haywood Electric Member Corp	*	1	*	1	*	1	1	1
High Point Town of	6	72	8	75	10	78	10	78
Jackson Electric Member Corp	42	42	49	49	38	38	42	42
Jacksonville Electric Auth	24	24	15	15	*	*	2	102
Jefferson Electric Member Corp	12	13	12	14	13	14	15	16
Jones-Onslow Elec Member Corp	19	43	—	—	—	—	—	—
Kinston City of	13	13	17	17	20	20	25	25
Kissimmee Utility Authority	2	12	3	15	3	20	5	36
Lakeland City of	35	39	40	44	45	60	65	83
Lamar Electric Membership Corp	1	1	1	1	1	1	1	1
Laurens Electric Coop Inc	*	*	*	*	*	*	*	*
Laurinburg City of	2	3	3	5	3	4	3	5
Lawrenceville City of	4	4	4	4	4	4	5	5
Lee County Electric Coop Inc	55	57	64	69	68	73	90	94
Leesburg City of	4	4	4	4	5	5	6	6
Lumberton City of	2	5	2	5	2	5	2	5
Lynches River Elec Coop Inc	3	3	4	4	3	3	4	4
Manassas City of	12	14	2	2	2	2	2	2
Marietta City of	3	10	1	7	1	7	0	0
Mecklenburg Electric Coop Inc	13	15	8	13	9	14	11	16
Mid-Carolina Electric Coop Inc	9	9	9	9	9	9	12	12
Mitchell Electric Member Corp	0	8	0	9	0	10	0	10
Monroe City of	13	17	—	—	—	—	—	—

See footnotes at end of table.

Table 18. U.S. Electric Utility Actual and Potential Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Utility, 1994, 1995, 1996, and 2000

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Historical Reductions				Projected Reductions			
	1994		1995		1996		2000	
	Actual	Potential	Actual	Potential	Actual	Potential	Actual	Potential
SERC (Continued)								
Municipal Electric Authority	0	36	0	99	0	114	0	195
New Bern City of	5	6	8	9	16	18	18	20
New River Light & Power Co	1	3	1	3	1	3	1	3
New Smyrna Beach Utils Comm	10	10	0	8	8	8	10	10
Newberry City of	1	1	1	1	1	1	1	1
Newnan Wtr Sewer & Light Comm	—	—	6	6	3	3	3	3
North Carolina Eastern M P A	135	135	170	170	0	207	0	215
North Carolina El Member Corp	109	141	93	142	0	158	0	211
North Carolina Mun Power Agny	59	59	68	68	0	65	0	67
Northern Neck Elec Coop Inc	2	2	3	3	3	3	3	3
Northern Virginia Elec Coop	31	32	36	39	37	41	42	46
Ocala City of	5	7	7	10	1	4	0	6
Orangeburg City of	6	9	6	9	6	9	8	10
Orlando Utilities Comm	20	20	33	33	34	34	42	42
Palmetto Electric Coop Inc	10	14	15	17	17	19	15	26
Pee Dee Electric Coop Inc	—	—	3	3	4	4	4	4
Planters Electric Member Corp	0	7	0	7	0	7	0	7
Prince George Electric Coop	1	2	14	18	16	18	16	18
Rappahannock Electric Coop	44	54	45	56	41	50	77	83
Rayle Electric Membership Corp	2	3	2	3	2	3	2	3
Reedy Creek Improvement Dist	2	3	*	*	0	1	9	9
Rock Hill City of	5	6	6	7	7	8	9	9
Rocky Mount City of	25	38	25	38	35	35	37	37
Satilla Rural Elec Member Corp	9	15	9	15	4	6	5	7
Savannah Electric & Power Co	1	1	2	2	2	2	5	5
Sawnee Electric Members Corp	16	62	20	81	25	99	33	135
Shenandoah Valley Elec Coop	9	9	11	11	12	12	14	15
Singing River Elec Power Assn	5	5	6	7	6	7	7	7
Smithfield Town of	—	—	6	8	7	9	8	10
Snapping Shoals El Member Corp	8	10	8	10	8	10	10	13
South Carolina Electric&Gas Co	97	205	108	240	257	257	263	263
South Carolina Pub Serv Auth	118	236	44	44	52	52	87	87
South Mississippi El Pwr Assn	41	41	48	48	49	49	54	54
Southside Electric Coop Inc	18	19	14	17	14	17	18	22
Sumter Electric Coop Inc	42	49	47	53	7	52	8	65
Suwannee Valley Elec Coop Inc	0	13	0	16	0	20	0	21
Tallahassee City of	22	22	24	24	27	27	34	34
Tampa Electric Co	281	572	231	700	233	680	310	824
Tennessee Valley Authority	2,393	4,442	2,323	4,423	2,321	4,421	2,703	4,803
Thomasville City of	5	6	5	7	5	6	5	6
Tri-County Elec Member Corp	4	5	6	7	0	0	0	0
Tri-County Elec Member Corp	3	3	3	3	3	4	4	4
Troup Electric Members Corp	8	8	0	8	0	8	0	8
Union City of	0	1	1	1	1	1	1	1
Vero Beach City of	9	9	—	—	—	—	—	—
Virginia Electric & Power Co	431	431	234	320	315	315	282	282
Wake Electric Membership Corp	19	20	—	—	—	—	—	—
Walton Electric Member Corp	20	29	15	15	15	15	15	15
Washington City of	1	1	10	13	12	12	15	15
Washington Elec Member Corp	4	4	—	—	—	—	—	—
Wilson City of	41	46	32	43	36	47	39	52
Withlacoochee River Elec Coop	30	30	33	33	34	34	35	35
York Electric Coop Inc	34	38	35	47	33	37	41	44
SERC Total	**8,562**	**15,058**	**10,103**	**15,582**	**9,963**	**15,929**	**11,960**	**18,627**
SPP								
Alfalfa Electric Coop Inc	—	—	3	4	3	4	4	5
Altus City of	—	—	1	2	1	2	2	3
Arkansas Electric Coop Corp	0	529	0	529	0	529	0	529
Arkansas Power & Light Co	189	189	—	—	—	—	—	—
Bailey County Elec Coop Assn	7	35	7	35	0	0	0	0
C & L Electric Coop Corp	3	10	1	2	1	3	1	3
Caddo Electric Coop Inc	5	27	8	26	8	27	10	30
Carroll Electric Coop Corp	9	69	10	75	10	76	10	81

See footnotes at end of table.

Table 18. U.S. Electric Utility Actual and Potential Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Utility, 1994, 1995, 1996, and 2000

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Historical Reductions				Projected Reductions			
	1994		1995		1996		2000	
	Actual	Potential	Actual	Potential	Actual	Potential	Actual	Potential
SPP (Continued)								
Central Rural Electric Coop	5	6	5	7	6	6	6	6
Cookson Hills Elec Coop Inc	6	25	7	25	8	27	9	32
Cotton Electric Coop Inc	0	7	0	0	0	6	0	6
Craighead Electric Coop Corp	7	25	8	26	8	27	9	31
Delta Electric Power Assn	—	—	6	7	7	8	7	8
Dixie Electric Membership Corp	14	16	14	16	14	16	16	18
Duncan City of	1	1	*	*	*	*	1	1
Empire District Electric Co	*	31	38	38	31	31	36	36
Farmers ' Electric Coop Inc	3	3	8	8	6	6	8	8
First Electric Coop Corp	17	27	18	29	19	31	21	35
Golden Spread Elec Coop Inc	0	44	0	0	0	0	0	34
Gulf States Utilities Co	8	8	—	—	—	—	—	—
Independence City of	2	4	3	5	5	6	7	8
Indian Electric Coop Inc	3	8	3	6	3	7	6	10
Kansas City City of	31	31	0	33	34	34	67	67
Kansas City Power & Light Co	25	32	34	34	30	30	32	32
Kansas Electric Power Coop Inc	11	33	34	34	*	33	*	41
Kansas Gas & Electric Co	8	147	10	180	10	180	10	176
Mississippi Cnty Elec Coop Inc	1	354	2	389	357	415	502	524
New Orleans Public Service Inc	3	3	—	—	—	—	—	—
North Arkansas Elec Coop Inc	5	5	5	5	5	5	5	5
Northeast Louisiana Power Coop	6	6	3	5	3	5	4	6
Oklahoma Gas & Electric Co	243	443	229	429	228	428	222	422
Oklahoma Municipal Power Auth	*	*	1	1	*	*	*	*
Osceola City of	3	3	3	3	4	4	5	5
Ozark Electric Coop Inc	2	2	2	2	2	2	2	2
Petit Jean Electric Coop Corp	3	3	3	3	3	3	2	2
Public Service Co of Oklahoma	53	66	84	172	58	212	1	321
Red River Valley Rrl Elec Assn	5	7	6	8	2	2	2	3
South Central Ark El Coop Inc	5	5	5	5	6	7	7	8
South Plains Electric Coop Inc	6	25	6	25	13	26	23	39
Southwestern Electric Power Co	70	70	10	55	8	53	10	58
Southwestern Public Service Co	25	291	90	132	283	283	340	340
Stillwater Utilities Authority	1	1	1	1	1	1	1	1
UtiliCorp United Inc	—	—	10	10	10	10	19	19
Verdigris Valley Elec Coop Inc	11	14	15	15	15	16	18	20
Western Farmers Elec Coop Inc	0	48	0	53	0	52	0	52
Western Resources Inc	28	179	15	166	15	164	4	153
White River Valley El Coop Inc	9	18	15	22	0	22	0	22
Woodruff Electric Coop Corp	22	50	21	56	25	61	27	64
SPP Total	**855**	**2,898**	**744**	**2,680**	**1,243**	**2,859**	**1,457**	**3,265**
WSCC(U.S.)								
Alameda City of	1	2	1	2	1	1	1	1
Anaheim City of	23	35	25	30	28	33	39	43
Arizona Electric Pwr Coop Inc	1	1	*	*	1	1	2	2
Arizona Public Service Co	476	634	506	685	778	797	699	727
Black Hills Corp	—	—	15	20	15	21	18	26
Bonneville Power Admin	94	157	0	143	0	88	0	0
Boulder City City of	3	3	—	—	—	—	—	—
Bountiful City City of	7	7	7	7	7	7	1	7
Colorado Springs City of	0	0	1	1	1	1	1	1
Dixie Escalante R E A Inc	4	9	—	—	—	—	—	—
El Paso Electric Co	46	46	61	61	79	79	133	133
Eugene City of	37	37	40	40	40	40	55	55
Fort Collins City of	5	16	1	2	1	1	1	1
Idaho Power Co	20	20	28	28	34	34	53	53
Imperial Irrigation District	4	4	5	5	5	5	6	6
La Plata Electric Assn Inc	0	3	5	8	5	8	0	43
Longmont City of	5	8	6	9	6	9	7	11
Los Angeles City of	75	87	83	95	89	101	82	94
Loveland City of	1	8	1	8	2	2	2	2
Modesto Irrigation District	8	21	21	21	8	21	0	0
Mohave Electric Coop Inc	*	*	*	*	*	*	*	*

See footnotes at end of table.

Table 18. U.S. Electric Utility Actual and Potential Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Utility, 1994, 1995, 1996, and 2000

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Historical Reductions				Projected Reductions			
	1994		1995		1996		2000	
	Actual	Potential	Actual	Potential	Actual	Potential	Actual	Potential
WSCC(U.S.) (Continued)								
Montana Power Co	24	92	49	117	52	52	78	78
Mountain Parks Electric Inc	19	19	10	10	11	11	13	13
Navopache Electric Coop Inc	7	13	8	13	7	12	9	15
Nevada Power Co	113	210	36	43	37	49	41	53
Overton Power District No 5	1	1	*	*	*	*	1	1
Pacific Gas & Electric Co	898	970	1,126	1,183	1,199	1,256	1,436	1,493
PacifiCorp	0	375	0	375	0	375	0	375
Palo Alto City of	6	7	6	6	6	6	8	8
Pasadena City of	2	5	4	6	5	7	7	10
Public Service Co of Colorado	179	237	216	273	219	280	236	306
Puget Sound Power & Light Co	0	36	0	38	0	48	0	53
PUD No 1 of Benton County	—	—	1	1	2	2	3	3
PUD No 1 of Pend Oreille Cnty	0	0	1	1	1	1	1	1
PUD No 2 of Grant County	19	19	51	85	59	87	62	91
Redding City of	7	10	29	31	10	12	20	22
Riverside City of	6	8	12	12	13	13	18	18
Roseville City of	3	9	4	4	5	5	6	6
Sacramento Municipal Util Dist	364	364	402	402	428	428	501	501
Salt River Proj Ag I & P Dist	192	210	234	235	234	235	241	243
San Diego Gas & Electric Co	69	69	181	181	216	216	254	254
Santa Clara City of	6	8	6	8	5	10	5	10
Seattle City of	46	46	27	27	30	30	42	42
Sierra Pacific Power Co	38	38	47	47	0	0	0	0
Southern California Edison Co	1,616	3,302	1,603	3,536	1,603	3,416	1,221	3,139
Springfield City of	2	2	3	3	4	4	9	9
Sulphur Springs Valley E C Inc	3	3	2	2	2	2	2	2
Trico Electric Coop Inc	1	2	1	2	1	2	0	0
Tucson Electric Power Co	27	27	33	33	40	40	67	67
Turlock Irrigation District	10	10	9	9	2	2	2	2
United Power Inc	11	14	12	15	13	17	18	23
Utah Municipal Power Agency	—	—	1	1	1	1	1	1
Vera Irrigation District # 15	7	8	7	8	*	*	*	*
Vernon City of	8	15	8	15	8	15	9	17
Washington Water Power Co	84	84	87	87	104	104	139	139
Yellowstone Vlly Elec Coop Inc	5	5	7	7	8	8	13	13
WSCC(U.S.) Total	**4,584**	**7,314**	**5,028**	**7,982**	**5,422**	**7,996**	**5,562**	**8,212**
Contiguous U.S.	**24,983**	**42,895**	**29,539**	**47,002**	**32,599**	**49,158**	**39,746**	**57,998**
ASCC								
Alaska Electric Light&Power Co	7	7	7	7	5	5	6	6
Golden Valley Elec Assn Inc	1	1	2	2	2	2	2	2
ASCC Total	**8**	**8**	**9**	**9**	**7**	**7**	**8**	**8**
Hawaii								
Hawaii Electric Light Co Inc	1	1	1	1	2	2	2	2
Hawaiian Electric Co Inc	4	4	3	3	10	10	52	52
Maui Electric Co Ltd	5	10	9	14	9	14	16	21
Hawaii Total	**10**	**15**	**13**	**19**	**21**	**26**	**70**	**75**
U.S. Total	**25,001**	**42,917**	**29,561**	**47,029**	**32,627**	**49,192**	**39,824**	**58,081**

* Value less than 0.5.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Table 19. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Megawatts)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total DSM Programs
ECAR						
American Mun Power-Ohio Inc	0	0	6	1	0	7
Appalachian Power Co	31	0	79	1	0	110
Buckeye Power Inc	0	97	25	0	0	122
Cincinnati Gas & Electric Co	25	15	106	0	0	146
Cleveland Electric Illum Co	19	0	0	1	0	20
Columbus Southern Power Co	7	0	19	3	0	29
Consumers Power Co	63	0	0	0	0	63
Crawfordsville Elec Lgt&Pwr Co	0	0	0	0	*	*
Dayton Power & Light Co	47	0	10	0	0	57
Detroit Edison Co	20	159	500	0	0	678
East Kentucky Power Coop Inc	24	0	0	3	0	27
Indiana Michigan Power Co	4	0	61	4	0	69
Indiana Municipal Power Agency	0	*	0	0	0	*
Indianapolis Power & Light Co	11	0	0	1	51	64
Kentucky Power Co	8	0	22	0	0	30
Kentucky Utilities Co	10	0	38	3	8	58
Kingsport Power Co	3	0	0	0	0	3
Lansing City of	*	0	0	0	*	*
Louisville Gas & Electric Co	*	0	54	0	0	55
Midwest Electric Inc	0	7	0	3	0	10
Monongahela Power Co	85	0	0	8	0	94
Ohio Edison Co	33	0	0	1	0	34
Ohio Power Co	5	*	80	12	0	97
Owen Electric Coop Inc	1	0	0	0	0	1
Pennsylvania Power Co	0	0	40	0	0	40
Potomac Edison Co	193	0	2	0	0	195
PSI Energy Inc	128	0	26	0	0	154
Southern Indiana Gas & Elec Co	15	35	0	0	0	50
Toledo Edison Co	15	0	0	1	0	16
Wabash Valley Power Assn Inc	0	40	0	0	0	40
Wadsworth City of	0	0	10	0	0	10
West Penn Power Co	92	0	9	65	0	165
Wheeling Power Co	*	0	0	1	0	1
Wolverine Pwr Supply Coop Inc	0	11	0	0	0	11
ECAR Total	**839**	**364**	**1,088**	**107**	**60**	**2,458**
ERCOT						
Austin City of	239	3	0	0	3	244
Brazos Electric Power Coop Inc	4	0	0	0	0	4
Bryan City of	8	5	0	0	0	13
Central Power & Light Co	45	0	0	0	0	45
College Station City of	*	0	0	0	1	1
Denton City of	1	0	0	0	0	1
Garland City of	0	6	0	8	0	14
Georgetown City of	*	1	0	*	0	1
Greenville Electric Util Sys	0	0	3	0	1	4
Guadalupe Valley Elec Coop Inc	0	5	50	2	0	57
Houston Lighting & Power Co	91	0	0	0	0	91
Lower Colorado River Authority	81	0	22	0	0	103
Magic Valley Electric Coop Inc	1	0	0	0	0	1
Medina Electric Coop Inc	0	0	0	8	0	8
San Bernard Electric Coop Inc	*	2	4	0	0	6
San Marcos City of	3	0	0	0	0	3
Texas Utilities Electric Co	962	0	0	288	0	1,250
Texas-New Mexico Power Co	4	0	15	0	0	19
West Texas Utilities Co	8	0	0	0	0	8
ERCOT Total	**1,447**	**22**	**94**	**306**	**4**	**1,873**
MAAC						
A & N Electric Coop	0	1	0	0	0	1
Adams Electric Coop Inc	*	9	7	1	9	25
Allegheny Electric Coop Inc	0	42	0	0	0	42
Atlantic City Electric Co	26	30	22	18	0	96
Baltimore Gas & Electric Co	65	0	0	0	0	65
Central Electric Coop Inc	0	4	0	0	0	4
Choptank Electric Coop Inc	0	4	0	3	0	7
Claverack Rural Elec Coop Inc	0	5	0	0	0	5

See footnotes at end of table.

Table 19. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total DSM Programs
MAAC (Continued)						
Delaware Electric Coop Inc	0	8	0	0	0	8
Delmarva Power & Light Co	26	0	114	0	4	145
Easton Utilities Comm	*	0	0	0	0	*
Jersey Central Power&Light Co	37	40	518	0	0	595
Metropolitan Edison Co	32	0	59	190	0	280
Northwestern Rural E C A Inc	0	7	0	0	0	7
Pennsylvania Electric Co	64	0	0	0	0	64
Pennsylvania Power & Light Co	23	0	0	0	0	23
Potomac Electric Power Co	217	0	0	147	0	364
Public Service Electric&Gas Co	169	79	32	0	0	280
PECO Energy Co	5	40	0	4	0	49
Somerset Rural Elec Coop Inc	0	3	0	0	0	3
Southern Maryland El Coop Inc	6	31	*	0	0	37
Tri-County Rural Elec Coop Inc	0	1	1	0	0	2
United Electric Coop Inc	0	4	0	0	0	4
Valley Rural Electric Coop Inc	0	4	0	0	0	4
MAAC Total	**671**	**311**	**752**	**362**	**13**	**2,110**
MAIN						
Boone Electric Coop	0	3	0	0	0	3
Central Illinois Light Co	0	0	75	0	0	75
Coles-Moultrie Electric Coop	0	3	5	0	0	8
Columbia City of	3	4	2	0	0	9
Commonwealth Edison Co	3	*	150	29	0	183
Corn Belt Electric Coop Inc	0	0	4	0	9	13
Cuivre River Electric Coop Inc	0	4	3	2	0	9
Eastern Illini Electric Coop	2	5	4	0	0	11
Illinois Power Co	0	0	97	0	0	97
Madison Gas & Electric Co	42	0	10	0	0	51
Manitowoc Public Utilities	3	0	0	0	0	3
Marshfield City of	1	0	0	0	0	1
Shelby Electric Coop Inc	0	*	10	0	0	10
Southwestern Electric Coop Inc	0	5	11	5	0	21
Springfield City of	7	0	0	0	0	7
Tri-County Electric Coop Inc	0	*	11	0	0	11
Union Electric Co	4	3	124	0	0	131
Wisconsin Electric Power Co	346	0	0	9	0	355
Wisconsin Power & Light Co	70	0	0	0	0	70
Wisconsin Public Power Inc Sys	28	0	0	0	0	28
Wisconsin Public Service Corp	150	0	0	13	0	164
MAIN Total	**658**	**26**	**505**	**59**	**9**	**1,257**
MAPP(U.S.)						
Ames City of	0	1	0	0	0	1
Anoka City of	*	*	0	0	0	1
Austin City of	*	*	5	0	0	5
Barron Electric Coop	*	3	0	0	0	4
Capital Electric Coop Inc	0	2	0	0	0	2
Cass County Electric Coop Inc	*	51	5	0	0	56
Cedar Falls City of	*	0	0	0	0	*
Central Iowa Power Coop	*	0	0	0	0	*
Central Power Elec Coop Inc	0	15	0	0	0	15
Chaska City of	0	*	*	1	0	2
Clark Electric Coop	*	3	0	0	0	3
Coop Power Assn	4	0	0	0	0	4
Cornhusker Public Power Dist	0	13	0	0	0	13
Custer Public Power District	0	0	14	0	0	14
Dawson County Public Pwr Dist	0	0	*	0	0	*
Denison City of	0	2	0	0	0	2
East Grand Forks City of	0	1	0	0	0	1
East River Elec Power Coop Inc	0	58	0	0	0	58
Eau Claire Electric Coop	*	*	0	0	0	*
Elkhorn Rural Public Pwr Dist	0	27	0	0	0	27
Fairmont Public Utilities Comm	1	2	*	0	0	2
Grant-Lafayette Electric Coop	*	5	0	0	0	5

See footnotes at end of table.

Table 19. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total DSM Programs
MAPP(U.S.) (Continued)						
Interstate Power Co	19	13	31	0	0	63
Iowa Lakes Electric Coop	5	0	1	2	0	8
IES Utilities Inc	30	13	307	95	0	444
L & O Power Coop	0	2	0	0	0	2
Lexington City of	0	1	0	0	0	1
Lincoln Electric System	3	0	0	*	0	3
Loup River Public Power Dist	0	0	5	0	0	5
Marshall City of	*	1	1	0	0	2
Midland Power Coop	*	0	0	3	0	3
MidAmerican Energy Co	72	39	186	0	2	299
Minnesota Power & Light Co	14	13	200	0	0	228
Minnkota Power Coop Inc	0	325	0	0	0	325
Moorhead City of	*	9	2	0	*	12
Mountrail-Williams Elec Coop	2	1	0	0	0	3
Municipal Energy Agency of NE	5	18	1	2	0	25
MDU Resources Group Inc	0	9	3	0	0	13
Nebraska Public Power District	0	228	0	4	0	232
Nodak Electric Coop Inc	0	63	0	0	0	63
Norris Public Power District	0	7	0	0	0	7
North Platte City of	0	4	3	1	0	8
Northern States Power Co of MN	391	144	380	41	0	956
Northern States Power Co of WI	74	26	28	1	12	140
Northwest Iowa Power Coop	12	6	0	0	0	18
Northwestern Public Service Co	0	0	*	0	0	*
Northwestern Wisconsin Elec Co	1	0	0	*	0	1
Oakdale Electric Coop	*	3	0	0	0	3
Oliver-Mercer Elec Coop Inc	0	4	0	0	0	4
Omaha Public Power District	4	0	0	0	0	4
Otter Tail Power Co	11	44	4	0	0	59
Owatonna City of	0	5	6	0	0	10
People 's Coop Power Assn	*	1	0	0	0	1
Pierre City of	1	4	*	0	0	5
Polk-Burnett Electric Coop	0	8	0	0	0	8
Rice Lake Utilities	*	0	0	0	0	*
Rochester Public Utilities	1	0	0	0	0	1
Roseau Electric Coop Inc	0	20	0	0	0	20
Shakopee Public Utilities Comm	*	0	0	0	1	1
Spencer City of	*	0	0	0	0	*
Superior Water Light&Power Co	1	0	0	0	0	1
Tri-County Electric Coop	*	6	*	0	0	7
United Power Assn	5	77	0	66	0	148
Verendrye Electric Coop Inc	2	3	0	0	0	5
Vernon Electric Coop	*	4	0	0	0	4
York County Rural Pub Pwr Dist	0	0	15	0	0	15
MAPP(U.S.) Total	**661**	**1,284**	**1,198**	**215**	**15**	**3,373**
NPCC(U.S.)						
Bangor Hydro-Electric Co	10	1	0	0	0	10
Blackstone Valley Electric Co	0	0	0	1	0	1
Boston Edison Co	98	0	9	0	0	107
Braintree Town of	*	0	3	0	0	3
Burlington City of	10	0	0	0	0	10
Cambridge Electric Light Co	18	0	9	0	0	27
Central Hudson Gas & Elec Corp	25	0	0	*	0	26
Central Maine Power Co	78	22	0	0	0	100
Central Vermont Pub Serv Corp	18	0	0	0	0	18
Chicopee City of	2	0	0	0	0	2
Citizens Utilities Co	3	0	7	0	0	10
Commonwealth Electric Co	16	0	82	0	0	98
Concord Electric Co	1	0	0	0	0	1
Connecticut Light & Power Co	258	21	16	0	0	295
Connecticut Valley Elec Co Inc	1	0	0	0	0	1
Consolidated Edison Co-NY Inc	580	0	28	0	0	608
Eastern Edison Co	0	0	0	6	0	6
Exeter & Hampton Electric Co	2	0	0	0	0	2
Fitchburg Gas & Elec Light Co	3	0	0	0	0	3

See footnotes at end of table.

Table 19. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total DSM Programs
NPCC(U.S.) (Continued)						
Granite State Electric Co	8	0	0	0	0	8
Green Mountain Power Corp	13	3	0	0	0	16
Hingham City of	*	2	*	0	*	3
Holyoke City of	*	0	0	0	*	*
Jamestown City of	1	0	0	0	0	1
Long Island Lighting Co	175	0	0	0	0	175
Maine Public Service Co	1	0	0	0	*	1
Massachusetts Electric Co	170	0	0	0	0	170
Massena Town of	*	1	0	0	0	1
Montaup Electric Co	22	0	0	0	0	22
Narragansett Electric Co	60	0	0	0	0	60
New England Power Co	0	15	55	1	0	71
New Hampshire Elec Coop Inc	*	0	0	0	0	*
New York State Elec & Gas Corp	135	0	0	0	0	135
Niagara Mohawk Power Corp	191	0	0	0	0	191
North Attleborough Town of	2	0	0	0	0	2
Norwood City of	1	*	0	0	0	2
Omya Inc	*	0	0	0	0	*
Orange & Rockland Utils Inc	70	0	61	0	0	131
Power Authority of State of NY	52	0	0	0	0	52
Public Service Co of NH	4	0	3	0	0	7
Reading Town of	*	0	6	0	0	6
Rochester Gas & Electric Corp	42	0	0	14	0	56
Shrewsbury Town of	1	2	*	1	0	3
Taunton City of	*	0	0	0	*	*
United Illuminating Co	49	8	21	4	*	83
Wellesley Town of	0	0	0	1	0	1
Western Massachusetts Elec Co	58	11	0	0	0	70
NPCC(U.S.) Total	**2,178**	**87**	**301**	**28**	*****	**2,594**
SERC						
Aiken Electric Coop Inc	3	2	0	0	0	5
Alabama Electric Coop Inc	8	0	0	0	1	10
Alabama Municipal Elec Auth	0	3	0	0	0	3
Alabama Power Co	23	0	0	74	0	97
Albemarle City of	0	*	*	0	0	*
Altamaha Electric Member Corp	*	2	*	0	*	3
Amicalola Electric Member Corp	*	1	0	0	0	2
Berkeley Electric Coop Inc	6	23	0	0	1	30
Black River Electric Coop Inc	2	3	0	0	0	5
Brunswick Electric Member Corp	*	18	5	0	0	23
BARC Electric Coop Inc	0	2	0	0	0	2
Carolina Power & Light Co	527	137	354	125	0	1,143
Carroll Electric Member Corp	*	7	0	10	0	17
Central Georgia El Member Corp	2	17	0	0	0	19
Central Virginia Electric Coop	0	0	21	0	39	60
Choctawhatche Elec Coop Inc	1	0	0	0	*	1
Clay Electric Coop Inc	0	52	2	8	0	62
Coast Electric Power Assn	0	0	0	0	20	20
Coastal Electric Member Corp	1	2	0	0	0	4
Cobb Electric Membership Corp	15	40	0	0	0	55
Colquitt Electric Members Corp	0	21	0	0	0	21
Community Electric Coop	0	2	2	0	0	4
Coweta-Fayette El Member Corp	20	15	0	0	0	35
Crescent Electric Member Corp	0	10	3	*	0	13
Crisp County Power Comm	0	0	2	0	0	2
Dothan City of	0	4	0	0	0	4
Douglas City of	*	1	1	0	0	3
Duke Power Co	83	0	0	0	0	83
Easley Combined Utility System	0	3	0	9	0	11
East Point City of	0	4	0	0	0	4
Fairfield Electric Coop Inc	0	1	0	0	2	3
Fayetteville Public Works Comm	1	0	0	0	0	1
Fitzgerald Wtr Lgt & Bond Comm	0	1	0	0	0	1
Flint Electric Membership Corp	4	36	0	0	*	40
Florida Keys El Coop Assn Inc	0	1	0	0	0	1

See footnotes at end of table.

Table 19. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total DSM Programs
SERC (Continued)						
Florida Power & Light Co	963	808	0	0	0	1,771
Florida Power Corp	260	1,010	50	0	66	1,386
Fort Pierce Utilities Auth	*	0	0	0	0	*
Gaffney City of	0	1	0	0	0	1
Gainesville Regional Utilities	14	0	0	0	2	16
Georgia Power Co	48	16	783	0	0	848
Grady County Elec Member Corp	1	3	1	0	1	5
Greenville Utilities Comm	5	9	13	0	0	27
Greer Comm of Public Works	0	1	0	0	0	1
GreyStone Power Corp	1	15	0	0	9	25
Gulf Power Co	150	0	0	12	0	163
Harrisonburg City of	*	0	3	2	0	5
Hart Electric Member Corp	1	6	0	0	0	7
Haywood Electric Member Corp	*	*	*	0	0	*
High Point Town of	0	6	0	2	0	8
Jackson Electric Member Corp	0	38	12	0	0	49
Jacksonville Electric Auth	15	0	0	0	0	15
Jefferson Electric Member Corp	1	9	3	0	0	12
Kinston City of	0	2	10	4	0	17
Kissimmee Utility Authority	3	0	0	0	0	3
Lakeland City of	1	39	0	0	0	40
Lamar Electric Membership Corp	0	0	0	1	0	1
Laurens Electric Coop Inc	*	0	0	0	*	*
Laurinburg City of	0	3	0	0	0	3
Lawrenceville City of	0	4	1	0	0	4
Lee County Electric Coop Inc	5	54	5	0	0	64
Leesburg City of	0	1	0	0	3	4
Lumberton City of	0	2	0	0	0	2
Lynches River Elec Coop Inc	0	2	0	0	2	4
Manassas City of	0	2	0	0	0	2
Marietta City of	0	1	0	0	0	1
Mecklenburg Electric Coop Inc	0	6	1	0	2	8
Mid-Carolina Electric Coop Inc	0	4	0	6	0	9
New Bern City of	0	7	0	1	0	8
New River Light & Power Co	0	1	0	0	0	1
Newberry City of	0	1	0	0	0	1
Newnan Wtr Sewer & Light Comm	0	6	0	0	0	6
North Carolina Eastern M P A	0	51	14	82	23	170
North Carolina El Member Corp	0	93	0	0	0	93
North Carolina Mun Power Agny	0	29	7	32	0	68
Northern Neck Elec Coop Inc	0	3	0	0	0	3
Northern Virginia Elec Coop	1	31	4	0	0	36
Ocala City of	7	0	1	*	0	7
Orangeburg City of	0	0	2	2	2	6
Orlando Utilities Comm	31	0	2	0	0	33
Palmetto Electric Coop Inc	1	6	4	4	0	15
Pee Dee Electric Coop Inc	0	2	0	1	0	3
Prince George Electric Coop	0	14	0	0	0	14
Rappahannock Electric Coop	0	23	17	0	6	45
Rayle Electric Membership Corp	*	1	1	0	0	2
Reedy Creek Improvement Dist	*	0	0	0	0	*
Rock Hill City of	0	2	0	0	4	6
Rocky Mount City of	0	10	0	8	8	25
Satilla Rural Elec Member Corp	1	8	0	0	0	9
Savannah Electric & Power Co	2	0	0	0	0	2
Sawnee Electric Members Corp	*	19	0	1	0	20
Shenandoah Valley Elec Coop	0	8	3	*	0	11
Singing River Elec Power Assn	3	0	0	3	0	6
Smithfield Town of	0	3	0	4	0	6
Snapping Shoals El Member Corp	0	8	0	0	0	8
South Carolina Electric&Gas Co	102	0	0	6	0	108
South Carolina Pub Serv Auth	30	14	0	0	0	44
South Mississippi El Pwr Assn	5	0	5	0	37	48
Southside Electric Coop Inc	0	6	5	3	0	14
Sumter Electric Coop Inc	6	30	10	0	0	47
Tallahassee City of	20	0	0	0	5	24
Tampa Electric Co	224	0	0	7	0	231

See footnotes at end of table.

Table 19. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total DSM Programs
SERC (Continued)						
Tennessee Valley Authority	465	58	1,800	0	0	2,323
Thomasville City of	*	5	0	*	0	5
Tri-County Elec Member Corp	0	5	0	1	0	6
Tri-County Elec Member Corp	0	2	*	0	0	3
Union City of	0	1	0	0	0	1
Virginia Electric & Power Co	68	0	123	43	0	234
Walton Electric Member Corp	0	15	0	0	0	15
Washington City of	0	10	0	0	0	10
Wilson City of	0	10	12	11	0	32
Withlacoochee River Elec Coop	0	0	0	33	0	33
York Electric Coop Inc	1	0	34	0	0	35
SERC Total	**3,134**	**2,928**	**3,314**	**495**	**232**	**10,103**
SPP						
Alfalfa Electric Coop Inc	0	3	0	0	0	3
Altus City of	0	1	0	0	0	1
Bailey County Elec Coop Assn	0	0	7	0	0	7
C & L Electric Coop Corp	0	0	1	0	0	1
Caddo Electric Coop Inc	0	8	0	0	0	8
Carroll Electric Coop Corp	0	10	0	0	0	10
Central Rural Electric Coop	0	5	0	0	0	5
Cookson Hills Elec Coop Inc	0	7	0	0	0	7
Craighead Electric Coop Corp	0	0	7	0	1	8
Delta Electric Power Assn	0	0	6	0	0	6
Dixie Electric Membership Corp	0	14	0	0	0	14
Duncan City of	*	0	0	0	0	*
Empire District Electric Co	0	0	38	0	*	38
Farmers ' Electric Coop Inc	0	0	8	0	0	8
First Electric Coop Corp	1	17	0	0	0	18
Independence City of	3	0	0	0	0	3
Indian Electric Coop Inc	0	3	0	0	0	3
Kansas City Power & Light Co	0	4	30	0	0	34
Kansas Electric Power Coop Inc	0	19	15	*	0	34
Kansas Gas & Electric Co	0	0	0	0	10	10
Mississippi Cnty Elec Coop Inc	0	2	0	0	0	2
North Arkansas Elec Coop Inc	0	5	0	0	0	5
Northeast Louisiana Power Coop	0	0	0	0	3	3
Oklahoma Gas & Electric Co	71	0	0	158	0	229
Oklahoma Municipal Power Auth	0	*	0	0	*	1
Osceola City of	0	0	3	0	0	3
Ozark Electric Coop Inc	0	0	2	0	0	2
Petit Jean Electric Coop Corp	0	2	*	0	0	3
Public Service Co of Oklahoma	55	0	28	1	0	84
Red River Valley Rrl Elec Assn	*	0	0	4	1	6
South Central Ark El Coop Inc	0	0	0	5	0	5
South Plains Electric Coop Inc	1	5	0	0	0	6
Southwestern Electric Power Co	10	0	0	0	0	10
Southwestern Public Service Co	59	0	31	0	0	90
Stillwater Utilities Authority	0	0	0	1	0	1
UtiliCorp United Inc	0	0	10	0	*	10
Verdigris Valley Elec Coop Inc	0	14	1	0	0	15
Western Resources Inc	0	12	0	0	3	15
White River Valley El Coop Inc	0	0	15	0	0	15
Woodruff Electric Coop Corp	0	19	0	2	0	21
SPP Total	**200**	**150**	**203**	**172**	**19**	**744**
WSCC(U.S.)						
Alameda City of	1	0	0	0	0	1
Anaheim City of	13	1	6	5	0	25
Arizona Electric Pwr Coop Inc	*	0	0	0	0	*
Arizona Public Service Co	439	0	0	67	0	506
Black Hills Corp	3	2	1	8	0	15
Bountiful City City of	*	0	7	0	0	7
Colorado Springs City of	1	0	0	0	0	1
El Paso Electric Co	4	0	48	1	8	61

See footnotes at end of table.

Table 19. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total DSM Programs
WSCC(U.S.) (Continued)						
Eugene City of	40	0	0	0	0	40
Fort Collins City of	*	1	*	*	0	1
Idaho Power Co	28	0	0	0	0	28
Imperial Irrigation District	5	0	0	0	*	5
La Plata Electric Assn Inc	0	0	5	0	0	5
Longmont City of	1	2	0	*	2	6
Los Angeles City of	73	0	0	11	0	83
Loveland City of	*	0	0	*	1	1
Modesto Irrigation District	8	13	0	0	0	21
Mohave Electric Coop Inc	*	0	0	0	0	*
Montana Power Co	49	0	0	0	0	49
Mountain Parks Electric Inc	0	0	0	10	0	10
Navopache Electric Coop Inc	*	*	0	5	2	8
Nevada Power Co	33	0	0	3	0	36
Overton Power District No 5	*	0	0	0	*	*
Pacific Gas & Electric Co	621	0	505	0	0	1,126
Palo Alto City of	6	0	0	0	0	6
Pasadena City of	3	0	0	1	0	4
Public Service Co of Colorado	42	0	174	0	0	216
PUD No 1 of Benton County	1	0	0	0	0	1
PUD No 1 of Pend Oreille Cnty	1	0	0	0	0	1
PUD No 2 of Grant County	1	0	0	50	0	51
Redding City of	25	1	2	1	0	29
Riverside City of	8	0	0	4	0	12
Roseville City of	2	2	0	0	0	4
Sacramento Municipal Util Dist	121	148	60	23	49	402
Salt River Proj Ag I & P Dist	84	0	85	64	1	234
San Diego Gas & Electric Co	136	0	40	5	*	181
Santa Clara City of	*	0	6	0	0	6
Seattle City of	27	0	0	0	0	27
Sierra Pacific Power Co	47	0	0	0	0	47
Southern California Edison Co	1,464	0	0	139	0	1,603
Springfield City of	3	0	0	0	0	3
Sulphur Springs Valley E C Inc	0	2	0	0	0	2
Trico Electric Coop Inc	0	0	1	0	0	1
Tucson Electric Power Co	27	0	6	0	0	33
Turlock Irrigation District	9	0	0	0	0	9
United Power Inc	*	0	1	10	0	12
Utah Municipal Power Agency	1	*	0	0	*	1
Vera Irrigation District # 15	0	7	0	0	0	7
Vernon City of	0	0	0	8	*	8
Washington Water Power Co	87	0	0	0	0	87
Yellowstone Vlly Elec Coop Inc	0	0	0	7	0	7
WSCC(U.S.) Total	**3,415**	**178**	**947**	**424**	**63**	**5,028**
Contiguous U.S.	**13,203**	**5,350**	**8,401**	**2,168**	**416**	**29,539**
ASCC						
Alaska Electric Light&Power Co	0	3	0	0	5	7
Golden Valley Elec Assn Inc	2	0	0	0	0	2
ASCC Total	**2**	**3**	**0**	**0**	**5**	**9**
Hawaii						
Hawaii Electric Light Co Inc	1	0	0	0	0	1
Hawaiian Electric Co Inc	3	0	0	0	0	3
Maui Electric Co Ltd	3	0	0	0	6	9
Hawaii Total	**7**	**0**	**0**	**0**	**6**	**13**
U.S. Total	**13,212**	**5,352**	**8,401**	**2,168**	**426**	**29,561**

* Value less than 0.5.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Table 20. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995

(Megawatts)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
ECAR						
American Mun Power-Ohio Inc	Publicly Owned	0	0	6	1	7
Appalachian Power Co	Investor-Owned	31	1	79	0	110
Buckeye Power Inc	Cooperative	97	0	25	0	122
Cincinnati Gas & Electric Co	Investor-Owned	16	20	110	0	146
Cleveland Electric Illum Co	Investor-Owned	5	5	10	0	20
Columbus Southern Power Co	Investor-Owned	10	0	19	0	29
Consumers Power Co	Investor-Owned	9	26	28	0	63
Crawfordsville Elec Lgt&Pwr Co	Publicly Owned	0	0	*	0	*
Dayton Power & Light Co	Investor-Owned	16	13	28	0	57
Detroit Edison Co	Investor-Owned	162	13	504	0	678
East Kentucky Power Coop Inc	Cooperative	27	0	0	0	27
Indiana Michigan Power Co	Investor-Owned	6	1	62	0	69
Indiana Municipal Power Agency	Publicly Owned	*	0	0	0	*
Indianapolis Power & Light Co	Investor-Owned	4	15	45	0	64
Kentucky Power Co	Investor-Owned	8	0	22	0	30
Kentucky Utilities Co	Investor-Owned	12	1	38	8	58
Kingsport Power Co	Investor-Owned	3	0	0	0	3
Lansing City of	Publicly Owned	0	*	0	0	*
Louisville Gas & Electric Co	Investor-Owned	*	0	54	*	55
Midwest Electric Inc	Cooperative	7	0	3	0	10
Monongahela Power Co	Investor-Owned	25	32	36	0	94
Ohio Edison Co	Investor-Owned	8	16	9	0	34
Ohio Power Co	Investor-Owned	17	*	80	0	97
Owen Electric Coop Inc	Cooperative	1	*	*	0	1
Pennsylvania Power Co	Investor-Owned	0	0	40	0	40
Potomac Edison Co	Investor-Owned	83	44	68	0	195
PSI Energy Inc	Investor-Owned	24	78	51	1	154
Southern Indiana Gas & Elec Co	Investor-Owned	26	19	5	0	50
Toledo Edison Co	Investor-Owned	3	5	8	0	16
Wabash Valley Power Assn Inc	Cooperative	40	0	0	0	40
Wadsworth City of	Publicly Owned	0	0	10	0	10
West Penn Power Co	Investor-Owned	15	26	124	0	165
Wheeling Power Co	Investor-Owned	1	0	0	0	1
Wolverine Pwr Supply Coop Inc	Cooperative	10	0	1	0	11
ECAR Total		**666**	**316**	**1,466**	**10**	**2,458**
ERCOT						
Austin City of	Publicly Owned	159	85	0	0	244
Brazos Electric Power Coop Inc	Cooperative	4	*	0	0	4
Bryan City of	Publicly Owned	8	0	5	0	13
Central Power & Light Co	Investor-Owned	31	14	0	0	45
College Station City of	Publicly Owned	*	1	0	0	1
Denton City of	Publicly Owned	1	0	0	0	1
Garland City of	Publicly Owned	6	*	8	*	14
Georgetown City of	Publicly Owned	1	0	0	*	1
Greenville Electric Util Sys	Publicly Owned	0	0	4	0	4
Guadalupe Valley Elec Coop Inc	Cooperative	5	*	50	2	57
Houston Lighting & Power Co	Investor-Owned	57	31	3	0	91
Lower Colorado River Authority	Publicly Owned	76	5	22	0	103
Magic Valley Electric Coop Inc	Cooperative	1	0	0	0	1
Medina Electric Coop Inc	Cooperative	0	0	0	8	8
San Bernard Electric Coop Inc	Cooperative	2	0	4	0	6
San Marcos City of	Publicly Owned	2	1	0	0	3
Texas Utilities Electric Co	Investor-Owned	549	701	0	0	1,250
Texas-New Mexico Power Co	Investor-Owned	*	1	15	3	19
West Texas Utilities Co	Investor-Owned	2	1	6	0	8
ERCOT Total		**905**	**839**	**116**	**13**	**1,873**
MAAC						
A & N Electric Coop	Cooperative	1	0	0	0	1
Adams Electric Coop Inc	Cooperative	18	*	7	0	25
Allegheny Electric Coop Inc	Cooperative	42	0	0	0	42
Atlantic City Electric Co	Investor-Owned	58	25	13	0	96
Baltimore Gas & Electric Co	Investor-Owned	28	38	0	0	65
Central Electric Coop Inc	Cooperative	4	0	0	0	4
Choptank Electric Coop Inc	Cooperative	4	0	3	0	7
Claverack Rural Elec Coop Inc	Cooperative	5	0	0	0	5
Delaware Electric Coop Inc	Cooperative	8	0	0	0	8
Delmarva Power & Light Co	Investor-Owned	4	27	114	0	145

See footnotes at end of table.

Table 20. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995
(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
MAAC (Continued)						
Easton Utilities Comm	Publicly Owned	*	*	0	0	*
Jersey Central Power&Light Co	Investor-Owned	56	21	518	0	595
Metropolitan Edison Co	Investor-Owned	94	38	148	0	280
Northwestern Rural E C A Inc	Cooperative	7	0	0	0	7
Pennsylvania Electric Co	Investor-Owned	17	11	36	0	64
Pennsylvania Power & Light Co	Investor-Owned	11	7	4	1	23
Potomac Electric Power Co	Investor-Owned	77	288	0	0	364
Public Service Electric&Gas Co	Investor-Owned	167	58	54	0	280
PECO Energy Co	Investor-Owned	45	4	0	0	49
Somerset Rural Elec Coop Inc	Cooperative	3	0	0	0	3
Southern Maryland El Coop Inc	Cooperative	37	*	0	0	37
Tri-County Rural Elec Coop Inc	Cooperative	1	0	1	0	2
United Electric Coop Inc	Cooperative	3	*	*	0	4
Valley Rural Electric Coop Inc	Cooperative	4	0	0	0	4
MAAC Total		**694**	**518**	**897**	**1**	**2,110**
MAIN						
Boone Electric Coop	Cooperative	3	0	0	*	3
Central Illinois Light Co	Investor-Owned	0	75	0	0	75
Coles-Moultrie Electric Coop	Cooperative	3	0	5	0	8
Columbia City of	Publicly Owned	5	2	2	0	9
Commonwealth Edison Co	Investor-Owned	2	180	1	0	183
Corn Belt Electric Coop Inc	Cooperative	9	4	0	0	13
Cuivre River Electric Coop Inc	Cooperative	6	3	0	0	9
Eastern Illini Electric Coop	Cooperative	7	0	4	0	11
Illinois Power Co	Investor-Owned	0	0	97	0	97
Madison Gas & Electric Co	Investor-Owned	6	42	0	3	51
Manitowoc Public Utilities	Publicly Owned	1	1	1	0	3
Marshfield City of	Publicly Owned	*	1	*	0	1
Shelby Electric Coop Inc	Cooperative	*	2	7	0	10
Southwestern Electric Coop Inc	Cooperative	8	5	7	0	21
Springfield City of	Publicly Owned	4	2	0	0	7
Tri-County Electric Coop Inc	Cooperative	*	7	4	0	11
Union Electric Co	Investor-Owned	4	2	125	0	131
Wisconsin Electric Power Co	Investor-Owned	108	177	70	0	355
Wisconsin Power & Light Co	Investor-Owned	8	56	5	0	70
Wisconsin Public Power Inc Sys	Publicly Owned	3	10	15	0	28
Wisconsin Public Service Corp	Investor-Owned	45	110	0	9	164
MAIN Total		**222**	**679**	**343**	**12**	**1,257**
MAPP(U.S.)						
Ames City of	Publicly Owned	1	0	0	0	1
Anoka City of	Publicly Owned	*	*	*	0	1
Austin City of	Publicly Owned	*	*	5	0	5
Barron Electric Coop	Cooperative	4	0	*	0	4
Capital Electric Coop Inc	Cooperative	*	2	0	0	2
Cass County Electric Coop Inc	Cooperative	42	9	5	0	56
Cedar Falls City of	Publicly Owned	*	*	0	0	*
Central Iowa Power Coop	Cooperative	*	0	0	0	*
Central Power Elec Coop Inc	Cooperative	6	7	2	0	15
Chaska City of	Publicly Owned	0	0	1	*	2
Clark Electric Coop	Cooperative	3	0	*	0	3
Coop Power Assn	Cooperative	1	4	0	0	4
Cornhusker Public Power Dist	Publicly Owned	1	0	12	0	13
Custer Public Power District	Publicly Owned	0	0	14	0	14
Dawson County Public Pwr Dist	Publicly Owned	0	0	*	0	*
Denison City of	Publicly Owned	1	1	0	0	2
East Grand Forks City of	Publicly Owned	1	0	0	0	1
East River Elec Power Coop Inc	Cooperative	48	0	10	0	58
Eau Claire Electric Coop	Cooperative	*	0	*	0	*
Elkhorn Rural Public Pwr Dist	Publicly Owned	0	0	27	0	27
Fairmont Public Utilities Comm	Publicly Owned	2	1	*	0	2
Grant-Lafayette Electric Coop	Cooperative	4	0	1	0	5
Interstate Power Co	Investor-Owned	15	10	38	0	63
Iowa Lakes Electric Coop	Cooperative	5	1	2	*	8
IES Utilities Inc	Investor-Owned	54	33	358	0	444
L & O Power Coop	Cooperative	2	0	0	0	2
Lexington City of	Publicly Owned	1	0	0	0	1

See footnotes at end of table.

Table 20. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995
(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
MAPP(U.S.) (Continued)						
Lincoln Electric System	Publicly Owned	1	2	0	*	3
Loup River Public Power Dist	Publicly Owned	0	0	5	0	5
Marshall City of	Publicly Owned	1	1	1	0	2
Midland Power Coop	Cooperative	*	3	0	0	3
MidAmerican Energy Co	Investor-Owned	69	41	188	0	299
Minnesota Power & Light Co	Investor-Owned	5	9	214	0	228
Minnkota Power Coop Inc	Cooperative	300	25	0	0	325
Moorhead City of	Publicly Owned	9	*	2	0	12
Mountrail-Williams Elec Coop	Cooperative	3	0	0	0	3
Municipal Energy Agency of NE	Publicly Owned	7	10	9	0	25
MDU Resources Group Inc	Investor-Owned	9	1	3	0	13
Nebraska Public Power District	Publicly Owned	0	0	232	0	232
Nodak Electric Coop Inc	Cooperative	45	14	2	1	63
Norris Public Power District	Publicly Owned	1	6	0	0	7
North Platte City of	Publicly Owned	3	1	*	3	8
Northern States Power Co of MN	Investor-Owned	239	441	276	0	956
Northern States Power Co of WI	Investor-Owned	41	51	48	1	140
Northwest Iowa Power Coop	Cooperative	18	*	0	0	18
Northwestern Public Service Co	Investor-Owned	0	*	0	0	*
Northwestern Wisconsin Elec Co	Investor-Owned	*	*	*	0	1
Oakdale Electric Coop	Cooperative	3	0	*	0	3
Oliver-Mercer Elec Coop Inc	Cooperative	2	0	2	0	4
Omaha Public Power District	Publicly Owned	4	1	0	0	4
Otter Tail Power Co	Investor-Owned	35	16	8	0	59
Owatonna City of	Publicly Owned	4	*	6	0	10
People 's Coop Power Assn	Cooperative	1	0	*	0	1
Pierre City of	Publicly Owned	4	1	*	0	5
Polk-Burnett Electric Coop	Cooperative	8	0	0	0	8
Rice Lake Utilities	Publicly Owned	*	*	*	0	*
Rochester Public Utilities	Publicly Owned	*	*	*	0	1
Roseau Electric Coop Inc	Cooperative	20	0	0	0	20
Shakopee Public Utilities Comm	Publicly Owned	*	1	0	*	1
Spencer City of	Publicly Owned	*	*	0	0	*
Superior Water Light&Power Co	Investor-Owned	*	*	*	0	1
Tri-County Electric Coop	Cooperative	6	0	1	0	7
United Power Assn	Cooperative	136	3	8	0	148
Verendrye Electric Coop Inc	Cooperative	5	1	0	0	5
Vernon Electric Coop	Cooperative	4	0	*	0	4
York County Rural Pub Pwr Dist	Publicly Owned	0	0	15	0	15
MAPP(U.S.) Total		**1,176**	**694**	**1,497**	**6**	**3,373**
NPCC(U.S.)						
Bangor Hydro-Electric Co	Investor-Owned	6	4	1	0	10
Blackstone Valley Electric Co	Investor-Owned	1	0	0	0	1
Boston Edison Co	Investor-Owned	21	69	17	0	107
Braintree Town of	Publicly Owned	*	0	3	0	3
Burlington City of	Publicly Owned	5	1	3	0	10
Cambridge Electric Light Co	Investor-Owned	*	22	5	0	27
Central Hudson Gas & Elec Corp	Investor-Owned	2	21	3	0	26
Central Maine Power Co	Investor-Owned	38	27	36	*	100
Central Vermont Pub Serv Corp	Investor-Owned	7	7	4	0	18
Chicopee City of	Publicly Owned	1	1	*	0	2
Citizens Utilities Co	Investor-Owned	1	1	*	8	10
Commonwealth Electric Co	Investor-Owned	1	82	14	0	98
Concord Electric Co	Investor-Owned	1	*	*	0	1
Connecticut Light & Power Co	Investor-Owned	106	147	24	19	295
Connecticut Valley Elec Co Inc	Investor-Owned	*	*	*	0	1
Consolidated Edison Co-NY Inc	Investor-Owned	41	567	0	0	608
Eastern Edison Co	Investor-Owned	6	0	0	0	6
Exeter & Hampton Electric Co	Investor-Owned	1	*	*	0	2
Fitchburg Gas & Elec Light Co	Investor-Owned	*	1	1	0	3
Granite State Electric Co	Investor-Owned	*	5	3	0	8
Green Mountain Power Corp	Investor-Owned	6	10	0	0	16
Hingham City of	Publicly Owned	3	*	*	0	3
Holyoke City of	Publicly Owned	*	*	0	0	*
Jamestown City of	Publicly Owned	*	1	*	0	1
Long Island Lighting Co	Investor-Owned	40	134	0	0	175
Maine Public Service Co	Investor-Owned	1	*	0	*	1

See footnotes at end of table.

Table 20. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995
(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
NPCC(U.S.) (Continued)						
Massachusetts Electric Co	Investor-Owned	9	100	61	0	170
Massena Town of	Publicly Owned	1	0	0	0	1
Montaup Electric Co	Investor-Owned	3	12	6	0	22
Narragansett Electric Co	Investor-Owned	2	36	22	0	60
New England Power Co	Investor-Owned	15	0	56	0	71
New Hampshire Elec Coop Inc	Cooperative	*	0	0	0	*
New York State Elec & Gas Corp	Investor-Owned	63	72	0	0	135
Niagara Mohawk Power Corp	Investor-Owned	52	126	13	0	191
North Attleborough Town of	Publicly Owned	1	*	*	*	2
Norwood City of	Publicly Owned	1	*	1	0	2
Omya Inc	Investor-Owned	*	0	0	0	*
Orange & Rockland Utils Inc	Investor-Owned	24	107	0	0	131
Power Authority of State of NY	Publicly Owned	15	37	0	0	52
Public Service Co of NH	Investor-Owned	3	*	1	3	7
Reading Town of	Publicly Owned	*	6	0	0	6
Rochester Gas & Electric Corp	Investor-Owned	4	0	52	0	56
Shrewsbury Town of	Publicly Owned	2	1	1	*	3
Taunton City of	Publicly Owned	*	*	0	0	*
United Illuminating Co	Investor-Owned	16	23	43	0	83
Wellesley Town of	Publicly Owned	0	0	0	1	1
Western Massachusetts Elec Co	Investor-Owned	38	25	6	1	70
NPCC(U.S.) Total		**535**	**1,647**	**380**	**32**	**2,594**
SERC						
Aiken Electric Coop Inc	Cooperative	5	0	0	0	5
Alabama Electric Coop Inc	Cooperative	10	0	0	0	10
Alabama Municipal Elec Auth	Publicly Owned	3	*	0	0	3
Alabama Power Co	Investor-Owned	74	23	0	0	97
Albemarle City of	Publicly Owned	*	*	*	0	*
Altamaha Electric Member Corp	Cooperative	2	1	0	*	3
Amicalola Electric Member Corp	Cooperative	2	0	0	0	2
Berkeley Electric Coop Inc	Cooperative	28	2	0	0	30
Black River Electric Coop Inc	Cooperative	5	0	0	0	5
Brunswick Electric Member Corp	Cooperative	18	5	0	0	23
BARC Electric Coop Inc	Cooperative	2	0	0	0	2
Carolina Power & Light Co	Investor-Owned	333	127	683	0	1,143
Carroll Electric Member Corp	Cooperative	10	*	7	*	17
Central Georgia El Member Corp	Cooperative	16	0	4	0	19
Central Virginia Electric Coop	Cooperative	0	21	0	39	60
Choctawhatche Elec Coop Inc	Cooperative	1	0	0	0	1
Clay Electric Coop Inc	Cooperative	60	0	2	0	62
Coast Electric Power Assn	Cooperative	0	0	0	20	20
Coastal Electric Member Corp	Cooperative	4	0	0	0	4
Cobb Electric Membership Corp	Cooperative	53	0	0	2	55
Colquitt Electric Members Corp	Cooperative	7	1	14	0	21
Community Electric Coop	Cooperative	2	2	0	0	4
Coweta-Fayette El Member Corp	Cooperative	35	0	0	0	35
Crescent Electric Member Corp	Cooperative	10	1	1	*	13
Crisp County Power Comm	Publicly Owned	0	0	2	0	2
Dothan City of	Publicly Owned	4	0	0	0	4
Douglas City of	Publicly Owned	1	1	1	0	3
Duke Power Co	Investor-Owned	67	16	0	0	83
Easley Combined Utility System	Publicly Owned	3	0	0	9	11
East Point City of	Publicly Owned	1	3	0	0	4
Fairfield Electric Coop Inc	Cooperative	3	0	0	0	3
Fayetteville Public Works Comm	Publicly Owned	1	0	0	0	1
Fitzgerald Wtr Lgt & Bond Comm	Publicly Owned	1	0	0	0	1
Flint Electric Membership Corp	Cooperative	31	1	1	7	40
Florida Keys El Coop Assn Inc	Cooperative	*	*	*	0	1
Florida Power & Light Co	Investor-Owned	1,113	658	0	0	1,771
Florida Power Corp	Investor-Owned	1,181	52	128	25	1,386
Fort Pierce Utilities Auth	Publicly Owned	*	0	0	0	*
Gaffney City of	Publicly Owned	1	0	0	0	1
Gainesville Regional Utilities	Publicly Owned	9	7	0	0	16
Georgia Power Co	Investor-Owned	33	51	764	0	848
Grady County Elec Member Corp	Cooperative	4	0	1	0	5
Greenville Utilities Comm	Publicly Owned	14	1	12	0	27
Greer Comm of Public Works	Publicly Owned	1	0	0	0	1

See footnotes at end of table.

Table 20. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995
(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
SERC (Continued)						
GreyStone Power Corp	Cooperative	16	2	0	7	25
Gulf Power Co	Investor-Owned	72	79	12	0	163
Harrisonburg City of	Publicly Owned	1	2	2	*	5
Hart Electric Member Corp	Cooperative	7	0	0	0	7
Haywood Electric Member Corp	Cooperative	*	*	*	0	*
High Point Town of	Publicly Owned	3	3	0	2	8
Jackson Electric Member Corp	Cooperative	33	4	12	0	49
Jacksonville Electric Auth	Publicly Owned	14	1	*	0	15
Jefferson Electric Member Corp	Cooperative	8	1	*	3	12
Kinston City of	Publicly Owned	2	1	9	6	17
Kissimmee Utility Authority	Publicly Owned	2	*	0	*	3
Lakeland City of	Publicly Owned	40	0	0	0	40
Lamar Electric Membership Corp	Cooperative	0	0	1	*	1
Laurens Electric Coop Inc	Cooperative	*	*	0	0	*
Laurinburg City of	Publicly Owned	3	*	0	0	3
Lawrenceville City of	Publicly Owned	2	1	0	2	4
Lee County Electric Coop Inc	Cooperative	58	6	0	0	64
Leesburg City of	Publicly Owned	1	0	3	0	4
Lumberton City of	Publicly Owned	2	0	0	0	2
Lynches River Elec Coop Inc	Cooperative	4	0	0	0	4
Manassas City of	Publicly Owned	2	0	0	0	2
Marietta City of	Publicly Owned	1	*	0	0	1
Mecklenburg Electric Coop Inc	Cooperative	6	*	3	0	8
Mid-Carolina Electric Coop Inc	Cooperative	9	0	0	0	9
New Bern City of	Publicly Owned	7	1	0	0	8
New River Light & Power Co	Publicly Owned	1	0	0	0	1
Newberry City of	Publicly Owned	1	0	0	0	1
Newnan Wtr Sewer & Light Comm	Publicly Owned	3	3	0	0	6
North Carolina Eastern M P A	Publicly Owned	36	16	73	45	170
North Carolina El Member Corp	Cooperative	93	0	0	0	93
North Carolina Mun Power Agny	Publicly Owned	28	3	7	31	68
Northern Neck Elec Coop Inc	Cooperative	2	*	0	0	3
Northern Virginia Elec Coop	Cooperative	29	2	5	0	36
Ocala City of	Publicly Owned	5	2	1	0	7
Orangeburg City of	Publicly Owned	2	1	2	2	6
Orlando Utilities Comm	Publicly Owned	8	25	0	0	33
Palmetto Electric Coop Inc	Cooperative	11	4	0	0	15
Pee Dee Electric Coop Inc	Cooperative	3	0	0	0	3
Prince George Electric Coop	Cooperative	14	0	0	0	14
Rappahannock Electric Coop	Cooperative	23	22	0	0	45
Rayle Electric Membership Corp	Cooperative	1	*	1	0	2
Reedy Creek Improvement Dist	Publicly Owned	0	*	0	0	*
Rock Hill City of	Publicly Owned	6	0	0	0	6
Rocky Mount City of	Publicly Owned	11	1	14	0	25
Satilla Rural Elec Member Corp	Cooperative	5	2	0	2	9
Savannah Electric & Power Co	Investor-Owned	2	*	0	0	2
Sawnee Electric Members Corp	Cooperative	19	*	1	0	20
Shenandoah Valley Elec Coop	Cooperative	8	3	0	0	11
Singing River Elec Power Assn	Cooperative	3	0	3	0	6
Smithfield Town of	Publicly Owned	2	1	4	0	6
Snapping Shoals El Member Corp	Cooperative	8	0	0	0	8
South Carolina Electric&Gas Co	Investor-Owned	88	20	*	0	108
South Carolina Pub Serv Auth	Publicly Owned	43	1	0	0	44
South Mississippi El Pwr Assn	Cooperative	5	0	42	0	48
Southside Electric Coop Inc	Cooperative	6	0	5	3	14
Sumter Electric Coop Inc	Cooperative	35	1	10	0	47
Tallahassee City of	Publicly Owned	24	1	0	0	24
Tampa Electric Co	Investor-Owned	199	30	2	0	231
Tennessee Valley Authority	Federal	523	0	1,800	0	2,323
Thomasville City of	Publicly Owned	5	*	0	0	5
Tri-County Elec Member Corp	Cooperative	6	0	0	0	6
Tri-County Elec Member Corp	Cooperative	2	*	0	0	3
Union City of	Publicly Owned	1	0	0	0	1
Virginia Electric & Power Co	Investor-Owned	15	96	41	82	234
Walton Electric Member Corp	Cooperative	15	0	0	0	15
Washington City of	Publicly Owned	3	*	7	0	10
Wilson City of	Publicly Owned	10	2	20	1	32
Withlacoochee River Elec Coop	Cooperative	33	0	0	0	33

See footnotes at end of table.

Table 20. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995
(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
SERC (Continued)						
York Electric Coop Inc	Cooperative	1	24	10	0	35
SERC Total		**4,771**	**1,335**	**3,709**	**288**	**10,103**
SPP						
Alfalfa Electric Coop Inc	Cooperative	0	3	0	0	3
Altus City of	Publicly Owned	1	*	*	0	1
Bailey County Elec Coop Assn	Cooperative	0	0	7	0	7
C & L Electric Coop Corp	Cooperative	0	1	0	0	1
Caddo Electric Coop Inc	Cooperative	0	0	8	0	8
Carroll Electric Coop Corp	Cooperative	10	*	0	0	10
Central Rural Electric Coop	Cooperative	3	*	2	0	5
Cookson Hills Elec Coop Inc	Cooperative	7	*	0	0	7
Craighead Electric Coop Corp	Cooperative	0	1	7	0	8
Delta Electric Power Assn	Cooperative	0	0	6	0	6
Dixie Electric Membership Corp	Cooperative	14	0	0	0	14
Duncan City of	Publicly Owned	*	*	0	0	*
Empire District Electric Co	Investor-Owned	0	*	38	0	38
Farmers ' Electric Coop Inc	Cooperative	0	0	5	3	8
First Electric Coop Corp	Cooperative	9	0	10	0	18
Independence City of	Publicly Owned	3	0	0	0	3
Indian Electric Coop Inc	Cooperative	2	1	0	0	3
Kansas City Power & Light Co	Investor-Owned	4	15	15	0	34
Kansas Electric Power Coop Inc	Cooperative	4	12	18	0	34
Kansas Gas & Electric Co	Investor-Owned	0	0	10	0	10
Mississippi Cnty Elec Coop Inc	Cooperative	0	2	0	0	2
North Arkansas Elec Coop Inc	Cooperative	5	0	0	0	5
Northeast Louisiana Power Coop	Cooperative	0	3	0	0	3
Oklahoma Gas & Electric Co	Investor-Owned	190	34	5	0	229
Oklahoma Municipal Power Auth	Publicly Owned	1	0	0	0	1
Osceola City of	Publicly Owned	0	0	3	0	3
Ozark Electric Coop Inc	Cooperative	0	2	0	0	2
Petit Jean Electric Coop Corp	Cooperative	2	*	0	0	3
Public Service Co of Oklahoma	Investor-Owned	52	4	28	0	84
Red River Valley Rrl Elec Assn	Cooperative	*	1	4	0	6
South Central Ark El Coop Inc	Cooperative	0	0	5	0	5
South Plains Electric Coop Inc	Cooperative	1	0	0	5	6
Southwestern Electric Power Co	Investor-Owned	10	0	0	0	10
Southwestern Public Service Co	Investor-Owned	53	4	8	25	90
Stillwater Utilities Authority	Publicly Owned	0	0	1	0	1
UtiliCorp United Inc	Investor-Owned	0	*	10	0	10
Verdigris Valley Elec Coop Inc	Cooperative	14	0	1	0	15
Western Resources Inc	Investor-Owned	12	0	3	0	15
White River Valley El Coop Inc	Cooperative	0	0	15	0	15
Woodruff Electric Coop Corp	Cooperative	1	0	20	0	21
SPP Total		**397**	**84**	**230**	**33**	**744**
WSCC(U.S.)						
Alameda City of	Publicly Owned	*	1	0	1	1
Anaheim City of	Publicly Owned	8	7	9	0	25
Arizona Electric Pwr Coop Inc	Cooperative	0	*	0	0	*
Arizona Public Service Co	Investor-Owned	379	127	0	0	506
Black Hills Corp	Investor-Owned	5	4	6	*	15
Bountiful City City of	Publicly Owned	*	0	7	0	7
Colorado Springs City of	Publicly Owned	0	1	0	0	1
El Paso Electric Co	Investor-Owned	0	13	48	0	61
Eugene City of	Publicly Owned	33	5	2	0	40
Fort Collins City of	Publicly Owned	1	0	*	0	1
Idaho Power Co	Investor-Owned	10	3	5	10	28
Imperial Irrigation District	Publicly Owned	4	1	*	0	5
La Plata Electric Assn Inc	Cooperative	0	0	5	0	5
Longmont City of	Publicly Owned	1	4	1	*	6
Los Angeles City of	Publicly Owned	29	46	8	0	83
Loveland City of	Publicly Owned	1	0	0	*	1
Modesto Irrigation District	Publicly Owned	15	6	0	0	21
Mohave Electric Coop Inc	Cooperative	*	*	0	0	*
Montana Power Co	Investor-Owned	18	23	3	5	49
Mountain Parks Electric Inc	Cooperative	*	1	10	0	10
Navopache Electric Coop Inc	Cooperative	5	1	2	0	8

See footnotes at end of table.

Table 20. U.S. Electric Utility Actual Peak Load Reductions by North American Electric Reliability Council Region and Hawaii by Class of Ownership and Sector, 1995
(Megawatts) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Residential	Commercial	Industrial	Other	Total
WSCC(U.S.) (Continued)						
Nevada Power Co	Investor-Owned	11	25	0	0	36
Overton Power District No 5	Publicly Owned	*	*	0	0	*
Pacific Gas & Electric Co	Investor-Owned	143	341	579	63	1,126
Palo Alto City of	Publicly Owned	0	6	0	0	6
Pasadena City of	Publicly Owned	*	4	0	0	4
Public Service Co of Colorado	Investor-Owned	5	19	177	15	216
PUD No 1 of Benton County	Publicly Owned	1	0	0	0	1
PUD No 1 of Pend Oreille Cnty	Publicly Owned	*	*	1	0	1
PUD No 2 of Grant County	Publicly Owned	1	0	50	0	51
Redding City of	Publicly Owned	22	4	2	1	29
Riverside City of	Publicly Owned	7	*	5	0	12
Roseville City of	Publicly Owned	3	1	1	0	4
Sacramento Municipal Util Dist	Publicly Owned	212	188	0	1	402
Salt River Proj Ag I & P Dist	Publicly Owned	100	47	86	0	234
San Diego Gas & Electric Co	Investor-Owned	29	152	0	0	181
Santa Clara City of	Publicly Owned	*	*	6	0	6
Seattle City of	Publicly Owned	11	13	2	2	27
Sierra Pacific Power Co	Investor-Owned	4	22	21	0	47
Southern California Edison Co	Investor-Owned	391	825	337	51	1,603
Springfield City of	Publicly Owned	1	1	1	0	3
Sulphur Springs Valley E C Inc	Cooperative	0	0	2	0	2
Trico Electric Coop Inc	Cooperative	0	0	1	0	1
Tucson Electric Power Co	Investor-Owned	9	18	6	0	33
Turlock Irrigation District	Publicly Owned	8	*	1	0	9
United Power Inc	Cooperative	2	10	0	0	12
Utah Municipal Power Agency	Publicly Owned	*	*	0	1	1
Vera Irrigation District # 15	Publicly Owned	7	0	0	0	7
Vernon City of	Publicly Owned	0	0	8	0	8
Washington Water Power Co	Investor-Owned	73	9	5	0	87
Yellowstone Vlly Elec Coop Inc	Cooperative	7	0	0	0	7
WSCC(U.S.) Total		**1,556**	**1,928**	**1,394**	**149**	**5,028**
Contiguous U.S.		**10,923**	**8,038**	**10,033**	**545**	**29,539**
ASCC						
Alaska Electric Light&Power Co	Investor-Owned	4	3	0	0	7
Golden Valley Elec Assn Inc	Cooperative	1	1	*	0	2
ASCC Total		**5**	**4**	*****	**0**	**9**
Hawaii						
Hawaii Electric Light Co Inc	Investor-Owned	1	*	0	0	1
Hawaiian Electric Co Inc	Investor-Owned	*	3	0	0	3
Maui Electric Co Ltd	Investor-Owned	*	9	0	0	9
Hawaii Total		**1**	**12**	**0**	**0**	**13**
U.S. Total		**10,930**	**8,054**	**10,033**	**545**	**29,561**

* Value less than 0.5.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Cost

Utility costs[10] for DSM programs are reported by electric utilities using two categories: direct utility costs and indirect utility costs. Direct utility costs are those directly attributable to a specific DSM program category. Indirect utility costs are those incurred by utilities that are not directly attributable to a specific DSM program category. Total utility costs are the summation of direct utility costs and indirect utility costs.

In 1995, total utility costs for large utilities with DSM programs was $2.4 billion, approximately $294.4 million less than 1994.[11] Since 1991, total utility costs have increased $.6 billion, at an average annual rate of 7.7 percent. For 1996 and 2000, total utility costs are predicted to stay approximately the same (Table 21).

The declining DSM costs can be attributed partly to competition in the electric power industry. In a competitive industry, consumers who use DSM programs will usually incur the costs, rather than electric utilities financing these programs.

The majority of utilities with DSM program costs spent between 0.1 and 1 percent of electric revenues from sales to ultimate consumers on DSM programs. Among large utilities, 11.2 percent spent less than 0.1 percent of revenues on DSM, 54.0 percent spent between 0.1 and and 1 percent of revenues on DSM, and 34.8 percent spent more than 1 percent of revenues on DSM. There were 51 cooperatives, 59 investor-owned utilities, and 43 publicly owned utilities that spent more than 1 percent of revenues on DSM. Of the utilities spending between 0.1 and 1 percent, 94 were publicly owned, 87 were cooperatives, and 56 were investor-owned utilities (Figure 8).

In 1995, the 100 utilities that spent the most on DSM activities accounted for 94.1 percent of total DSM costs; the 50 utilities that spent the most on DSM accounted for 81.0 percent of the total costs; and the top 25 utilities accounted for 65.6 percent (Figure 9). These 100, 50, and 25 utilities that had the greatest costs for DSM programs represented 64.8, 45.6, and 29.8 percent, respectively, of total retail sales of electricity in the United States.

In 1995, investor-owned utilities spent the most on DSM, $2.0 billion, followed by Federally owned utilities,[12] $191.0 million; publicly owned utilities, $185.3 million; and cooperatives, $93.1 million. Cooperatives predicted a 9.6 percent increase for 1996. For 2000, cooperatives predicted the only increase, 5.4 percent annually to $125.7 million (Table 22).

Direct Utility Costs are those identified specifically with one of the DSM program categories (i.e., energy efficiency, direct load control, interruptible load control, other load management, other DSM programs, or load building). In 1995, direct utility costs for large utilities was $2.0 billion. Of direct utility costs, 70.3 percent were for energy efficiency programs, amounting to $1.4 billion (Table 23). Direct utility costs reported by utilities do not include lost revenue as a result of offering customers interruptible rates.

Among the NERC regions, SERC had the greatest share of direct utility costs, $530.7 million, mainly because within the SERC there were a number of large utilities promoting DSM programs.

Indirect Utility Costs are utility costs that may not be meaningfully identified with any particular DSM program category. Indirect costs could be attributable to one of several accounting cost categories (i.e., administrative, marketing, monitoring and evaluation, utility-earned incentives,[13] or other[14]). Indirect utility costs for 1995 were $416 million, with the greatest portion of these costs for administrative costs and other.

Among the NERC regions, SERC had the highest share of indirect utility costs, $150.4 million, followed by WSCC with $93.5 million (Table 24).

[10] Utilities are required to report nonutility costs (nonutility costs are those incurred by the consumer, such as installation of an energy efficient appliance, or by the retailer or manufacturer of energy efficient products), but they are not included in this report because in many cases utilities cannot accurately estimate these costs.

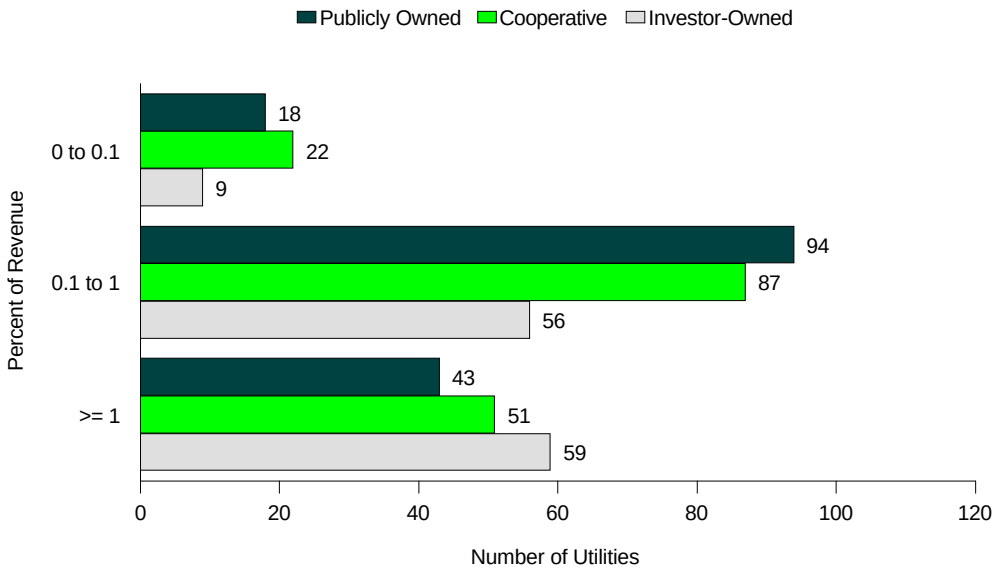
[11] Small utilities are not included in this section as they report only total utility cost and not a breakdown into direct and indirect costs.

[12] The large amount of spending reported by Federally owned utilities may be misleading. Both the Tennessee Valley Authority and Bonneville Power Administration encourage utilities to use DSM, and finance their programs.

[13] Utility-earned incentives are not included in this publication.

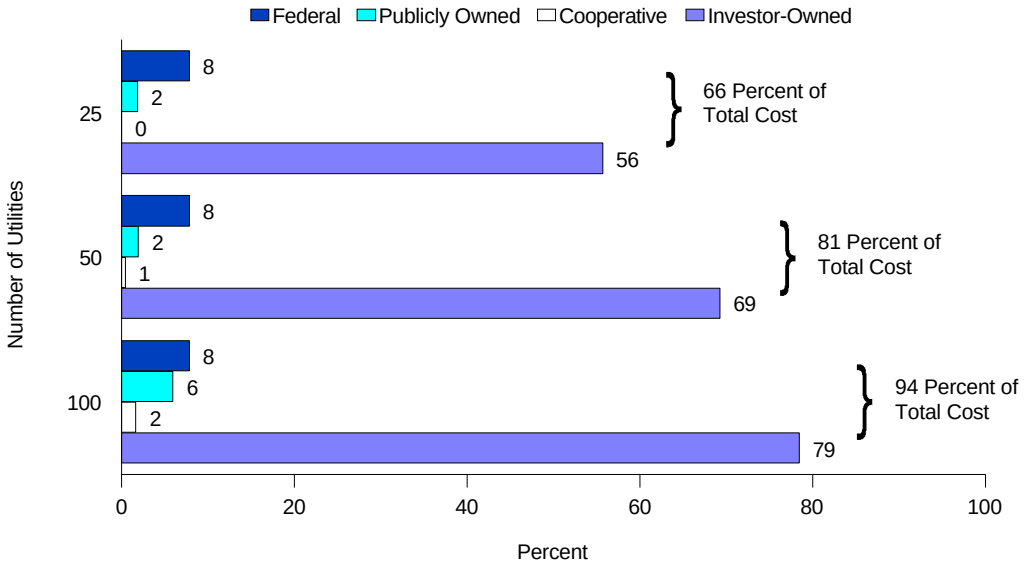
[14] Other costs include the indirect cost of DSM that cannot be attributed to any other cost category, particularly research and development.

Figure 8. U.S. Electric Utility DSM Program Costs as a Percentage of Retail Revenue by Number of Utilities with DSM Costs, 1995



Note: No cooperatives were included in the top 25 or 50 utilities.
Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Figure 9. The Top 25, 50 and 100 U.S. Electric Utilities with the Greatest DSM Program Costs by Class of Ownership, 1995



Note: Totals may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-861, "Annual Electric Utility Report."

Table 21. U.S. Electric Utility DSM Program Costs by Class of Ownership, 1991 Through 1995, 1996, and 2000

(Thousand Dollars)

Class of Ownership	Historical Costs					Projected Costs	
	1991	1992	1993	1994	1995	1996	2000
Investor-Owned	1,509,412	1,918,803	2,251,227	2,190,646	1,951,874	1,782,926	1,833,957
Publicly Owned	179,767	163,075	166,774	183,274	185,294	186,749	158,463
Cooperative	52,954	81,553	87,818	95,244	93,073	102,036	125,748
Federal	61,640	184,663	237,714	246,493	191,020	171,280	140,500
U.S. Total	**1,803,773**	**2,348,094**	**2,743,533**	**2,715,657**	**2,421,261**	**2,242,991**	**2,258,668**

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Table 22. U.S. Electric Utility DSM Program Costs by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Thousand Dollars)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Costs		Projected Costs	
		1994	1995	1996	2000
ECAR					
American Mun Power-Ohio Inc	Publicly Owned	48	48	24	39
Appalachian Power Co	Investor-Owned	1,016	1,989	2,284	2,631
Buckeye Power Inc	Cooperative	1,831	800	1,300	2,600
Cincinnati Gas & Electric Co	Investor-Owned	6,211	9,883	17,487	9,506
Cleveland Electric Illum Co	Investor-Owned	3,319	2,722	272	0
Columbus Southern Power Co	Investor-Owned	2,592	2,271	1,933	2,991
Consumers Power Co	Investor-Owned	6,356	8,989	6,159	0
Crawfordsville Elec Lgt&Pwr Co	Publicly Owned	7	3	2	1
Dayton Power & Light Co	Investor-Owned	—	11,662	7,600	7,600
Detroit Edison Co	Investor-Owned	7,600	7,700	4,905	3,810
East Kentucky Power Coop Inc	Cooperative	2,000	2,000	2,000	2,000
Hagerstown City of	Publicly Owned	—	26	19	0
Hamilton City of	Publicly Owned	15	16	25	35
Indiana Michigan Power Co	Investor-Owned	1,361	1,772	655	582
Indiana Municipal Power Agency	Publicly Owned	5	388	1,095	364
Indianapolis Power & Light Co	Investor-Owned	3,757	6,388	8,625	1,224
Kentucky Power Co	Investor-Owned	112	43	1,553	1,497
Kentucky Utilities Co	Investor-Owned	4,601	5,105	3,915	4,444
Lansing City of	Publicly Owned	80	17	117	165
Louisville Gas & Electric Co	Investor-Owned	340	1,250	3,110	5,728
Midwest Electric Inc	Cooperative	80	80	85	100
Monongahela Power Co	Investor-Owned	483	432	492	551
Ohio Edison Co	Investor-Owned	13,170	6,638	3,837	1,938
Ohio Power Co	Investor-Owned	3,042	3,502	1,894	3,276
Owen Electric Coop Inc	Cooperative	114	106	117	144
Pennsylvania Power Co	Investor-Owned	3,055	144	385	456
Potomac Edison Co	Investor-Owned	11,379	5,999	4,854	561
PSI Energy Inc	Investor-Owned	39,712	34,370	29,340	26,791
South Central Power Co	Cooperative	788	803	845	965
Southern Indiana Gas & Elec Co	Investor-Owned	9,737	10,193	4,788	2,622
Toledo Edison Co	Investor-Owned	2,099	2,430	243	0
Wabash Valley Power Assn Inc	Cooperative	8,660	8,660	8,810	9,250
West Penn Power Co	Investor-Owned	2,142	2,156	2,004	2,299
Wolverine Pwr Supply Coop Inc	Cooperative	1,406	325	910	275
ECAR Total		**137,118**	**138,910**	**121,684**	**94,445**
ERCOT					
Austin City of	Publicly Owned	11,700	13,282	14,110	8,690
Brazos Electric Power Coop Inc	Cooperative	584	1,415	1,030	1,344
Bryan City of	Publicly Owned	677	498	615	945
Central Power & Light Co	Investor-Owned	4,624	7,549	9,000	9,000
College Station City of	Publicly Owned	89	95	99	106
Denton City of	Publicly Owned	169	71	73	80
Garland City of	Publicly Owned	614	614	550	500
Georgetown City of	Publicly Owned	—	38	38	125
Greenville Electric Util Sys	Publicly Owned	35	56	60	192
Guadalupe Valley Elec Coop Inc	Cooperative	385	243	167	269
Houston Lighting & Power Co	Investor-Owned	20,238	21,215	14,585	14,585
Johnson County Elec Coop Assn	Cooperative	138	—	—	—
Lower Colorado River Authority	Publicly Owned	4,500	6,060	6,227	6,227
Magic Valley Electric Coop Inc	Cooperative	136	488	513	547
Medina Electric Coop Inc	Cooperative	53	57	58	59
San Antonio Public Service Bd	Publicly Owned	—	472	1,810	2,084
San Bernard Electric Coop Inc	Cooperative	67	65	65	65
San Marcos City of	Publicly Owned	82	22	24	27
Texas Utilities Electric Co	Investor-Owned	21,691	14,307	9,800	9,800
Texas-New Mexico Power Co	Investor-Owned	1,252	1,194	0	0
Tri-County Electric Coop Inc	Cooperative	110	—	—	—
West Texas Utilities Co	Investor-Owned	2,394	2,680	2,733	2,696
ERCOT Total		**69,538**	**70,421**	**61,557**	**57,341**
MAAC					
A & N Electric Coop	Cooperative	148	149	150	158
Adams Electric Coop Inc	Cooperative	462	605	626	712
Allegheny Electric Coop Inc	Cooperative	445	706	712	763
Atlantic City Electric Co	Investor-Owned	10,397	3,536	0	0
Baltimore Gas & Electric Co	Investor-Owned	56,047	53,179	44,220	37,352
Bedford Rural Elec Coop Inc	Cooperative	126	—	—	—
Central Electric Coop Inc	Cooperative	165	219	312	269

See footnotes at end of table.

Table 22. U.S. Electric Utility DSM Program Costs by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Costs		Projected Costs	
		1994	1995	1996	2000
MAAC (Continued)					
Choptank Electric Coop Inc	Cooperative	240	265	310	435
Claverack Rural Elec Coop Inc	Cooperative	117	89	91	94
Conowingo Power Co	Investor-Owned	623	—	—	—
Delaware Electric Coop Inc	Cooperative	838	772	785	815
Delmarva Power & Light Co	Investor-Owned	9,422	8,906	10,949	11,640
Easton Utilities Comm	Publicly Owned	93	70	185	239
Jersey Central Power&Light Co	Investor-Owned	29,325	30,893	29,011	19,500
Metropolitan Edison Co	Investor-Owned	4,155	4,320	3,758	3,800
Northwestern Rural E C A Inc	Cooperative	321	356	369	326
Pennsylvania Electric Co	Investor-Owned	4,270	4,209	4,251	4,193
Pennsylvania Power & Light Co	Investor-Owned	13,301	11,434	9,880	9,880
Potomac Electric Power Co	Investor-Owned	113,949	118,955	80,794	74,781
Public Service Electric&Gas Co	Investor-Owned	42,775	46,489	80,210	152,454
PECO Energy Co	Investor-Owned	9,582	8,771	8,324	11,450
Somerset Rural Elec Coop Inc	Cooperative	151	142	149	167
Southern Maryland El Coop Inc	Cooperative	7,910	5,785	7,067	12,723
Southwest Central R E C Corp	Cooperative	44	66	110	86
Tri-County Rural Elec Coop Inc	Cooperative	28	61	67	40
United Electric Coop Inc	Cooperative	23	144	156	195
UGI Utilities Inc	Investor-Owned	122	110	110	110
Valley Rural Electric Coop Inc	Cooperative	111	116	121	147
MAAC Total		**305,190**	**300,347**	**282,717**	**342,329**
MAIN					
Boone Electric Coop	Cooperative	78	94	96	96
Central Illinois Light Co	Investor-Owned	2,057	2,065	3,216	0
Central Illinois Pub Serv Co	Investor-Owned	566	566	566	566
Coles-Moultrie Electric Coop	Cooperative	150	150	130	130
Columbia City of	Publicly Owned	598	665	834	677
Commonwealth Edison Co	Investor-Owned	2,305	4,900	6,105	19,400
Corn Belt Electric Coop Inc	Cooperative	210	210	210	250
Cuivre River Electric Coop Inc	Cooperative	186	38	47	57
Eastern Illini Electric Coop	Cooperative	102	92	94	100
Farmington City of	Publicly Owned	—	101	60	100
Illinois Power Co	Investor-Owned	62	19	3	80
Madison Gas & Electric Co	Investor-Owned	7,332	4,764	7,066	5,216
Manitowoc Public Utilities	Publicly Owned	324	230	165	100
Marshfield City of	Publicly Owned	86	130	180	180
Menard Electric Coop	Cooperative	80	80	86	86
Shelby Electric Coop Inc	Cooperative	24	35	42	52
Southeastern IL Elec Coop Inc	Cooperative	4	2	2	2
Southwestern Electric Coop Inc	Cooperative	175	150	105	90
Springfield City of	Publicly Owned	417	525	546	712
Tri-County Electric Coop Inc	Cooperative	115	115	115	115
Union Electric Co	Investor-Owned	12,071	11,718	12,810	27,088
Wayne-White Counties Elec Coop	Cooperative	23	26	33	43
Wisconsin Electric Power Co	Investor-Owned	41,064	21,913	22,375	22,375
Wisconsin Power & Light Co	Investor-Owned	11,966	13,939	12,384	12,113
Wisconsin Public Power Inc Sys	Publicly Owned	1,014	811	728	546
Wisconsin Public Service Corp	Investor-Owned	15,244	14,760	10,300	8,800
MAIN Total		**96,253**	**78,098**	**78,298**	**98,974**
MAPP(U.S.)					
Ames City of	Publicly Owned	263	250	252	77
Anoka City of	Publicly Owned	10	71	122	137
Austin City of	Publicly Owned	183	238	250	305
Barron Electric Coop	Cooperative	39	46	148	117
Beatrice City of	Publicly Owned	78	—	—	—
Capital Electric Coop Inc	Cooperative	—	44	46	54
Cass County Electric Coop Inc	Cooperative	127	130	132	143
Cedar Falls City of	Publicly Owned	225	300	300	300
Central Iowa Power Coop	Cooperative	2,328	1,431	2,050	2,227
Central Power Elec Coop Inc	Cooperative	92	90	99	110
Chaska City of	Publicly Owned	—	77	105	128
Clark Electric Coop	Cooperative	29	22	26	38
Coop Power Assn	Cooperative	7,174	8,468	8,878	10,299
Cornhusker Public Power Dist	Publicly Owned	28	57	94	79
Custer Public Power District	Publicly Owned	—	15	16	20

See footnotes at end of table.

Table 22. U.S. Electric Utility DSM Program Costs by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Costs		Projected Costs	
		1994	1995	1996	2000
MAPP(U.S.) (Continued)					
Dawson County Public Pwr Dist	Publicly Owned	38	30	25	32
Denison City of	Publicly Owned	—	25	50	51
East Grand Forks City of	Publicly Owned	49	224	405	219
East River Elec Power Coop Inc	Cooperative	2,797	2,425	2,324	2,280
Eau Claire Electric Coop	Cooperative	—	99	138	150
Elkhorn Rural Public Pwr Dist	Publicly Owned	—	31	32	33
Fairmont Public Utilities Comm	Publicly Owned	132	146	107	105
Grant-Lafayette Electric Coop	Cooperative	113	100	107	136
Interstate Power Co	Investor-Owned	8,349	6,017	6,511	11,257
Iowa Lakes Electric Coop	Cooperative	573	587	595	660
Iowa-Illinois Gas&Electric Co	Investor-Owned	6,823	—	—	—
IES Utilities Inc	Investor-Owned	10,664	16,119	11,801	12,675
L & O Power Coop	Cooperative	20	20	20	20
Lexington City of	Publicly Owned	130	1	5	2
Lincoln Electric System	Publicly Owned	113	106	120	180
Loup River Public Power Dist	Publicly Owned	65	6	56	750
Marshall City of	Publicly Owned	138	116	108	116
Midland Power Coop	Cooperative	115	112	117	122
Midwest Power Systems Inc	Investor-Owned	19,845	—	—	—
MidAmerican Energy Co	Investor-Owned	—	26,307	18,200	41,223
Minnesota Power & Light Co	Investor-Owned	7,956	14,260	6,817	3,817
Minnesota Valley Electric Coop	Cooperative	553	665	676	688
Minnkota Power Coop Inc	Cooperative	2,178	2,139	2,171	2,299
Moorhead City of	Publicly Owned	120	300	300	285
Mountrail-Williams Elec Coop	Cooperative	77	81	85	89
Municipal Energy Agency of NE	Publicly Owned	26	28	78	95
Muscatine City of	Publicly Owned	217	205	191	200
MDU Resources Group Inc	Investor-Owned	707	623	623	623
Nebraska Public Power District	Publicly Owned	2,284	3,647	3,799	4,834
Nodak Electric Coop Inc	Cooperative	71	72	72	79
Norris Public Power District	Publicly Owned	90	274	125	150
North Platte City of	Publicly Owned	83	77	108	101
Northern States Power Co of MN	Investor-Owned	43,041	53,000	37,000	31,600
Northern States Power Co of WI	Investor-Owned	6,741	5,272	5,740	5,144
Northwest Iowa Power Coop	Cooperative	537	550	562	610
Northwestern Public Service Co	Investor-Owned	6	2	2	2
Northwestern Wisconsin Elec Co	Investor-Owned	71	72	74	76
Oakdale Electric Coop	Cooperative	160	160	163	181
Oliver-Mercer Elec Coop Inc	Cooperative	6	0	0	0
Omaha Public Power District	Publicly Owned	707	391	370	350
Otter Tail Power Co	Investor-Owned	5,614	6,141	6,123	6,412
Owatonna City of	Publicly Owned	127	109	110	85
Pella City of	Publicly Owned	—	68	68	67
People 's Coop Power Assn	Cooperative	115	73	81	88
Pierre City of	Publicly Owned	18	11	13	13
Polk-Burnett Electric Coop	Cooperative	360	320	320	350
Rice Lake Utilities	Publicly Owned	82	74	100	100
Rochester Public Utilities	Publicly Owned	604	497	532	520
Roseau Electric Coop Inc	Cooperative	58	57	60	65
Shakopee Public Utilities Comm	Publicly Owned	34	45	103	100
Spencer City of	Publicly Owned	29	46	75	118
Superior Water Light&Power Co	Investor-Owned	292	258	331	331
Tri-County Electric Coop	Cooperative	203	364	375	395
United Power Assn	Cooperative	4,169	5,082	5,180	5,088
Verendrye Electric Coop Inc	Cooperative	95	95	101	112
Vernon Electric Coop	Cooperative	120	138	141	155
Wild Rice Electric Coop Inc	Cooperative	165	—	—	—
York County Rural Pub Pwr Dist	Publicly Owned	—	65	75	80
MAPP(U.S.) Total		**138,256**	**158,971**	**125,983**	**149,347**
NPCC(U.S.)					
Arcade Village of	Publicly Owned	3	25	25	30
Bangor Hydro-Electric Co	Investor-Owned	845	609	697	697
Blackstone Valley Electric Co	Investor-Owned	673	0	0	0
Boston Edison Co	Investor-Owned	60,722	32,595	31,533	31,044
Braintree Town of	Publicly Owned	127	188	218	220
Burlington City of	Publicly Owned	611	437	613	622
Cambridge Electric Light Co	Investor-Owned	1,218	515	1,855	0

See footnotes at end of table.

Table 22. U.S. Electric Utility DSM Program Costs by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Costs		Projected Costs	
		1994	1995	1996	2000
NPCC(U.S.) (Continued)					
Central Hudson Gas & Elec Corp	Investor-Owned	3,331	4,070	1,653	0
Central Maine Power Co	Investor-Owned	11,034	12,758	12,600	12,826
Central Vermont Pub Serv Corp	Investor-Owned	6,900	4,676	4,873	4,823
Chicopee City of	Publicly Owned	565	523	202	205
Citizens Utilities Co	Investor-Owned	1,902	4,038	2,471	3,878
Commonwealth Electric Co	Investor-Owned	4,956	2,040	4,408	0
Concord Electric Co	Investor-Owned	541	554	544	415
Connecticut Light & Power Co	Investor-Owned	34,768	37,080	37,101	26,532
Connecticut Valley Elec Co Inc	Investor-Owned	328	144	114	113
Consolidated Edison Co-NY Inc	Investor-Owned	99,358	52,253	57,453	39,523
Eastern Edison Co	Investor-Owned	1,437	0	0	0
Exeter & Hampton Electric Co	Investor-Owned	662	815	557	425
Fitchburg Gas & Elec Light Co	Investor-Owned	773	1,163	1,484	1,651
Granite State Electric Co	Investor-Owned	1,740	1,894	2,300	1,970
Green Mountain Power Corp	Investor-Owned	5,255	3,160	3,777	3,777
Hingham City of	Publicly Owned	108	114	44	50
Holyoke City of	Publicly Owned	33	34	34	34
Jamestown City of	Publicly Owned	120	176	175	250
Littleton Town of	Publicly Owned	9	9	19	17
Long Island Lighting Co	Investor-Owned	19,827	13,583	11,844	11,844
Maine Public Service Co	Investor-Owned	154	95	91	95
Massachusetts Electric Co	Investor-Owned	60,747	55,259	61,840	52,287
Massena Town of	Publicly Owned	15	3	128	28
Montaup Electric Co	Investor-Owned	14,258	10,340	9,821	9,821
Narragansett Electric Co	Investor-Owned	10,432	9,866	13,469	12,417
New England Power Co	Investor-Owned	8,171	7,095	6,903	6,903
New Hampshire Elec Coop Inc	Cooperative	668	927	2,629	1,314
New York State Elec & Gas Corp	Investor-Owned	14,369	12,411	5,380	7,005
Niagara Mohawk Power Corp	Investor-Owned	41,429	20,423	2,163	1,600
North Attleborough Town of	Publicly Owned	143	143	489	590
Norwood City of	Publicly Owned	301	337	300	277
Omya Inc	Investor-Owned	1	1	13	4
Orange & Rockland Utils Inc	Investor-Owned	13,432	11,139	6,988	6,168
Power Authority of State of NY	Publicly Owned	6,825	9,372	5,775	1,923
Public Service Co of NH	Investor-Owned	1,159	3,333	2,820	6,382
Reading Town of	Publicly Owned	155	155	163	198
Rochester Gas & Electric Corp	Investor-Owned	8,498	10,631	5,979	5,375
Shrewsbury Town of	Publicly Owned	178	290	135	50
Taunton City of	Publicly Owned	593	484	446	181
United Illuminating Co	Investor-Owned	12,188	9,443	8,853	5,703
Wellesley Town of	Publicly Owned	18	18	60	150
Western Massachusetts Elec Co	Investor-Owned	11,088	11,498	12,441	9,267
NPCC(U.S.) Total		**462,668**	**346,716**	**323,480**	**268,684**
SERC					
Aiken Electric Coop Inc	Cooperative	372	263	590	695
Alabama Electric Coop Inc	Cooperative	1,016	1,042	1,133	1,150
Alabama Municipal Elec Auth	Publicly Owned	329	110	360	85
Alabama Power Co	Investor-Owned	31,315	45,166	46,501	52,117
Albemarle City of	Publicly Owned	93	40	46	70
Altamaha Electric Member Corp	Cooperative	10	13	7	7
Amicalola Electric Member Corp	Cooperative	66	78	85	100
Berkeley Electric Coop Inc	Cooperative	675	762	815	940
Black River Electric Coop Inc	Cooperative	219	310	280	355
Brunswick Electric Member Corp	Cooperative	742	687	715	789
BARC Electric Coop Inc	Cooperative	98	98	98	89
Canoochee Electric Member Corp	Cooperative	24	—	—	—
Carolina Power & Light Co	Investor-Owned	53,300	56,600	55,700	55,700
Carroll Electric Member Corp	Cooperative	98	73	29	37
Central Florida Elec Coop Inc	Cooperative	18	—	—	—
Central Georgia El Member Corp	Cooperative	130	118	103	129
Central Virginia Electric Coop	Cooperative	0	61	112	126
Choctawhatche Elec Coop Inc	Cooperative	262	190	190	192
Clay Electric Coop Inc	Cooperative	2,865	2,930	3,317	3,969
Coastal Electric Member Corp	Cooperative	135	163	110	150
Cobb Electric Membership Corp	Cooperative	1,973	2,393	2,512	2,871
Colquitt Electric Members Corp	Cooperative	889	160	162	170
Community Electric Coop	Cooperative	154	156	159	172

See footnotes at end of table.

Table 22. U.S. Electric Utility DSM Program Costs by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Costs		Projected Costs	
		1994	1995	1996	2000
SERC (Continued)					
Coweta-Fayette El Member Corp	Cooperative	723	803	803	816
Crescent Electric Member Corp	Cooperative	826	1,681	1,132	1,375
Crisp County Power Comm	Publicly Owned	2	2	2	4
Davidson Electric Member Corp	Cooperative	81	—	—	—
Douglas City of	Publicly Owned	10	16	16	16
Duke Power Co	Investor-Owned	87,013	92,531	81,322	84,498
Easley Combined Utility System	Publicly Owned	2	35	37	45
East Point City of	Publicly Owned	13	28	33	40
Excelsior Electric Member Corp	Cooperative	40	17	13	8
Fairfield Electric Coop Inc	Cooperative	289	815	887	330
Fayetteville Public Works Comm	Publicly Owned	25	25	80	105
Fitzgerald Wtr Lgt & Bond Comm	Publicly Owned	20	18	18	20
Flint Electric Membership Corp	Cooperative	1,844	1,885	765	819
Florida Keys El Coop Assn Inc	Cooperative	206	164	184	211
Florida Power & Light Co	Investor-Owned	160,603	169,853	163,110	191,350
Florida Power Corp	Investor-Owned	102,463	85,590	83,494	83,600
Fort Pierce Utilities Auth	Publicly Owned	175	175	175	175
Gainesville Regional Utilities	Publicly Owned	689	657	663	739
Georgia Power Co	Investor-Owned	54,725	42,684	19,661	19,235
Grady County Elec Member Corp	Cooperative	43	43	44	47
Greenville Utilities Comm	Publicly Owned	595	721	726	624
GreyStone Power Corp	Cooperative	555	371	384	420
Gulf Power Co	Investor-Owned	2,093	3,242	3,647	4,227
Harrisonburg City of	Publicly Owned	54	31	33	35
Hart Electric Member Corp	Cooperative	195	205	220	235
Haywood Electric Member Corp	Cooperative	78	78	78	102
High Point Town of	Publicly Owned	219	225	225	275
Jackson Electric Member Corp	Cooperative	477	338	346	390
Jacksonville Electric Auth	Publicly Owned	896	879	924	1,123
Jefferson Electric Member Corp	Cooperative	49	54	61	73
Jones-Onslow Elec Member Corp	Cooperative	224	—	—	—
Kinston City of	Publicly Owned	50	4,460	6,300	4,000
Kissimmee Utility Authority	Publicly Owned	824	1,355	2,023	4,850
Lakeland City of	Publicly Owned	614	448	654	719
Lamar Electric Membership Corp	Cooperative	3	3	3	4
Laurens Electric Coop Inc	Cooperative	35	40	43	47
Laurinburg City of	Publicly Owned	18	208	124	145
Lawrenceville City of	Publicly Owned	3	2	2	2
Lee County Electric Coop Inc	Cooperative	1,809	1,204	1,063	1,122
Leesburg City of	Publicly Owned	31	56	63	70
Lumberton City of	Publicly Owned	1	26	26	29
Manassas City of	Publicly Owned	198	14	14	15
Mecklenburg Electric Coop Inc	Cooperative	101	133	137	154
Mid-Carolina Electric Coop Inc	Cooperative	1,135	1,196	1,256	1,525
Mississippi Power Co	Investor-Owned	269	18	19	34
Mitchell Electric Member Corp	Cooperative	28	28	28	33
Monroe City of	Publicly Owned	42	—	—	—
New Bern City of	Publicly Owned	750	305	2,455	185
New River Light & Power Co	Publicly Owned	27	27	27	29
New Smyrna Beach Utils Comm	Publicly Owned	245	198	208	280
Newnan Wtr Sewer & Light Comm	Publicly Owned	—	40	100	133
North Carolina Eastern M P A	Publicly Owned	1,804	1,846	1,955	2,185
North Carolina El Member Corp	Cooperative	12,368	13,383	15,079	22,018
North Carolina Mun Power Agny	Publicly Owned	1,285	1,325	1,380	1,431
Northern Neck Elec Coop Inc	Cooperative	31	65	66	76
Northern Virginia Elec Coop	Cooperative	2,329	2,383	2,470	2,669
Ocala City of	Publicly Owned	202	277	350	398
Orangeburg City of	Publicly Owned	10	10	35	365
Orlando Utilities Comm	Publicly Owned	2,071	1,259	2,392	2,979
Palmetto Electric Coop Inc	Cooperative	547	1,685	1,504	1,572
Pee Dee Electric Coop Inc	Cooperative	—	77	79	83
Piedmont Municipal Power Agny	Publicly Owned	1,719	862	238	214
Planters Electric Member Corp	Cooperative	46	20	31	31
Prince George Electric Coop	Cooperative	21	21	26	27
Rappahannock Electric Coop	Cooperative	637	675	685	760
Rayle Electric Membership Corp	Cooperative	22	26	26	44
Reedy Creek Improvement Dist	Publicly Owned	143	143	222	227
Rock Hill City of	Publicly Owned	1,205	58	45	45

See footnotes at end of table.

Table 22. U.S. Electric Utility DSM Program Costs by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Costs		Projected Costs	
		1994	1995	1996	2000
SERC (Continued)					
Rocky Mount City of	Publicly Owned	125	125	7,125	1,125
Satilla Rural Elec Member Corp	Cooperative	32	32	32	41
Savannah Electric & Power Co	Investor-Owned	1,161	2,096	0	0
Sawnee Electric Members Corp	Cooperative	446	583	326	338
Shenandoah Valley Elec Coop	Cooperative	127	141	155	170
Singing River Elec Power Assn	Cooperative	125	83	88	104
Smithfield Town of	Publicly Owned	—	2	2	4
Snapping Shoals El Member Corp	Cooperative	802	0	0	0
South Carolina Electric&Gas Co	Investor-Owned	9,120	9,445	8,000	8,000
South Carolina Pub Serv Auth	Publicly Owned	9,509	8,802	10,322	15,240
South Mississippi El Pwr Assn	Cooperative	103	98	101	120
Southside Electric Coop Inc	Cooperative	39	43	46	50
Sumter Electric Coop Inc	Cooperative	746	186	172	195
Suwannee Valley Elec Coop Inc	Cooperative	64	57	59	66
Tallahassee City of	Publicly Owned	777	1,120	1,159	572
Tampa Electric Co	Investor-Owned	17,334	17,021	17,967	18,953
Tennessee Valley Authority	Federal	63,132	56,953	64,740	140,500
Thomasville City of	Publicly Owned	71	50	7	7
Tri-County Elec Member Corp	Cooperative	75	36	0	0
Tri-County Elec Member Corp	Cooperative	231	215	225	250
Vero Beach City of	Publicly Owned	182	—	—	—
Virginia Electric & Power Co	Investor-Owned	36,333	31,628	38,082	29,295
Wake Electric Membership Corp	Cooperative	495	—	—	—
Walton Electric Member Corp	Cooperative	473	80	60	0
Washington City of	Publicly Owned	1,750	650	80	90
Washington Elec Member Corp	Cooperative	17	—	—	—
Wilson City of	Publicly Owned	614	3,148	3,154	1,165
Withlacoochee River Elec Coop	Cooperative	79	74	2,659	7,099
York Electric Coop Inc	Cooperative	52	38	46	79
SERC Total		**684,647**	**681,161**	**667,842**	**782,813**
SPP					
Alfalfa Electric Coop Inc	Cooperative	—	42	27	50
Altus City of	Publicly Owned	—	1	2	4
Arkansas Power & Light Co	Investor-Owned	273	—	—	—
Bailey County Elec Coop Assn	Cooperative	6	75	0	0
C & L Electric Coop Corp	Cooperative	5	4	5	7
Caddo Electric Coop Inc	Cooperative	50	450	450	450
Cajun Electric Power Coop Inc	Cooperative	1,320	—	—	—
Carroll Electric Coop Corp	Cooperative	84	43	32	43
Central Rural Electric Coop	Cooperative	80	56	61	67
Cookson Hills Elec Coop Inc	Cooperative	414	443	444	478
Craighead Electric Coop Corp	Cooperative	404	382	392	435
Dixie Electric Membership Corp	Cooperative	121	98	101	300
Duncan City of	Publicly Owned	90	76	90	125
Empire District Electric Co	Investor-Owned	715	842	974	991
First Electric Coop Corp	Cooperative	145	125	90	56
Golden Spread Elec Coop Inc	Cooperative	60	60	60	60
Gulf States Utilities Co	Investor-Owned	593	—	—	—
Independence City of	Publicly Owned	122	139	145	148
Indian Electric Coop Inc	Cooperative	45	47	50	55
Kansas City City of	Publicly Owned	269	226	233	253
Kansas City Power & Light Co	Investor-Owned	1,190	1,354	1,430	1,413
Kansas Electric Power Coop Inc	Cooperative	53	31	33	44
Kansas Gas & Electric Co	Investor-Owned	1,336	678	761	893
Mississippi Cnty Elec Coop Inc	Cooperative	28	34	35	40
New Orleans Public Service Inc	Investor-Owned	616	—	—	—
North Arkansas Elec Coop Inc	Cooperative	190	160	150	140
Northeast Louisiana Power Coop	Cooperative	51	60	70	100
Oklahoma Gas & Electric Co	Investor-Owned	12,824	13,420	12,514	12,090
Oklahoma Municipal Power Auth	Publicly Owned	221	117	64	64
Osceola City of	Publicly Owned	300	300	500	500
Ozark Electric Coop Inc	Cooperative	3	3	3	6
Petit Jean Electric Coop Corp	Cooperative	179	208	192	196
Red River Valley Rrl Elec Assn	Cooperative	112	103	107	116
South Central Ark El Coop Inc	Cooperative	3	3	3	3
South Plains Electric Coop Inc	Cooperative	462	534	598	971
Southwestern Electric Power Co	Investor-Owned	2,002	1,587	1,791	1,767

See footnotes at end of table.

Table 22. U.S. Electric Utility DSM Program Costs by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Costs		Projected Costs	
		1994	1995	1996	2000
SPP (Continued)					
Southwestern Public Service Co	Investor-Owned	1,481	2,182	1,334	1,378
UtiliCorp United Inc	Investor-Owned	—	0	400	400
Verdigris Valley Elec Coop Inc	Cooperative	116	122	124	140
Western Resources Inc	Investor-Owned	2,565	2,323	2,434	2,589
White River Valley El Coop Inc	Cooperative	7	7	7	15
Woodruff Electric Coop Corp	Cooperative	91	94	120	160
SPP Total		**28,626**	**26,429**	**25,826**	**26,547**
WSCC(U.S.)					
Alameda City of	Publicly Owned	215	200	162	180
Anaheim City of	Publicly Owned	3,335	2,048	3,748	2,984
Arizona Electric Pwr Coop Inc	Cooperative	111	264	465	800
Arizona Public Service Co	Investor-Owned	6,008	5,973	5,609	3,600
Black Hills Corp	Investor-Owned	—	454	469	529
Bonneville Power Admin	Federal	183,361	134,067	106,540	0
Boulder City City of	Publicly Owned	87	—	—	—
Bountiful City City of	Publicly Owned	46	0	0	0
Colorado Springs City of	Publicly Owned	250	550	600	591
Colton City of	Publicly Owned	150	—	—	—
Columbia River Peoples Ut Dist	Publicly Owned	100	144	150	200
Dixie Escalante R E A Inc	Cooperative	9	—	—	—
El Paso Electric Co	Investor-Owned	1,141	1,324	1,258	1,258
Ellensburg City of	Publicly Owned	331	495	515	200
Eugene City of	Publicly Owned	3,500	6,340	6,560	7,300
Fort Collins City of	Publicly Owned	749	389	499	401
Idaho Power Co	Investor-Owned	6,588	5,885	5,600	2,500
Imperial Irrigation District	Publicly Owned	680	245	253	258
La Plata Electric Assn Inc	Cooperative	22	27	29	265
Longmont City of	Publicly Owned	138	106	262	292
Los Angeles City of	Publicly Owned	17,298	4,336	1,870	1,870
Loveland City of	Publicly Owned	153	162	150	150
Modesto Irrigation District	Publicly Owned	1,470	1,100	1,000	0
Mohave Electric Coop Inc	Cooperative	17	18	26	45
Montana Power Co	Investor-Owned	12,193	10,686	6,254	4,871
Mountain Parks Electric Inc	Cooperative	4	28	28	32
Navopache Electric Coop Inc	Cooperative	149	154	285	179
Nevada Power Co	Investor-Owned	7,898	2,529	1,573	1,676
Overton Power District No 5	Publicly Owned	42	18	17	20
Pacific Gas & Electric Co	Investor-Owned	162,198	131,000	131,100	135,400
PacifiCorp	Investor-Owned	34,484	59,530	28,297	22,728
Palo Alto City of	Publicly Owned	250	250	400	400
Pasadena City of	Publicly Owned	405	500	500	500
Portland General Electric Co	Investor-Owned	24,001	25,414	12,763	11,569
Provo City Corp	Publicly Owned	801	—	—	—
Public Service Co of Colorado	Investor-Owned	8,527	12,478	10,533	781
Puget Sound Power & Light Co	Investor-Owned	33,006	13,693	2,517	2,100
PUD No 1 of Benton County	Publicly Owned	—	215	223	261
PUD No 1 of Clark County	Publicly Owned	—	4,166	426	435
PUD No 1 of Pend Oreille Cnty	Publicly Owned	70	723	225	100
PUD No 2 of Grant County	Publicly Owned	245	3,141	1,412	500
Redding City of	Publicly Owned	142	142	152	266
Riverside City of	Publicly Owned	921	751	500	526
Roseville City of	Publicly Owned	546	748	453	376
Sacramento Municipal Util Dist	Publicly Owned	46,924	45,767	37,896	25,216
Salem Electric Coop	Cooperative	—	229	243	581
Salt River Proj Ag I & P Dist	Publicly Owned	6,954	7,931	8,107	9,322
San Diego Gas & Electric Co	Investor-Owned	38,472	46,696	39,620	39,112
Santa Clara City of	Publicly Owned	403	475	2,300	2,600
Seattle City of	Publicly Owned	22,132	18,914	15,750	14,850
Sierra Pacific Power Co	Investor-Owned	2,733	1,016	0	0
Southern California Edison Co	Investor-Owned	131,856	50,370	85,002	94,560
Springfield City of	Publicly Owned	2,160	2,456	1,941	1,420
Sulphur Springs Valley E C Inc	Cooperative	107	5	15	15
Tacoma City of	Publicly Owned	7,308	7,895	10,932	9,234
Trico Electric Coop Inc	Cooperative	4	3	3	0
Tucson Electric Power Co	Investor-Owned	3,317	3,361	3,361	3,361
Turlock Irrigation District	Publicly Owned	745	245	250	247
United Power Inc	Cooperative	418	93	119	164

See footnotes at end of table.

Table 22. U.S. Electric Utility DSM Program Costs by North American Electric Reliability Council Region and Hawaii by Class of Ownership, 1994, 1995, 1996, and 2000

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Class of Ownership	Historical Costs		Projected Costs	
		1994	1995	1996	2000
WSCC(U.S.) (Continued)					
Utah Municipal Power Agency	Publicly Owned	—	24	45	72
Vera Irrigation District # 15	Publicly Owned	40	40	40	52
Vernon City of	Publicly Owned	60	65	71	95
Washington Water Power Co	Investor-Owned	16,954	3,503	4,441	3,971
Yellowstone Vlly Elec Coop Inc	Cooperative	159	194	152	200
WSCC(U.S.) Total		**792,387**	**619,575**	**543,711**	**411,215**
Contiguous U.S.		**2,714,683**	**2,420,628**	**2,231,098**	**2,231,695**
ASCC					
Alaska Electric Light&Power Co	Investor-Owned	135	121	252	340
Golden Valley Elec Assn Inc	Cooperative	251	512	537	653
ASCC Total		**386**	**633**	**789**	**993**
Hawaii					
Hawaii Electric Light Co Inc	Investor-Owned	228	0	2,753	3,557
Hawaiian Electric Co Inc	Investor-Owned	246	0	8,351	18,733
Maui Electric Co Ltd	Investor-Owned	114	0	0	3,690
Hawaii Total		**588**	**0**	**11,104**	**25,980**
U.S. Total		**2,715,657**	**2,421,261**	**2,242,991**	**2,258,668**

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours. •Totals may not equal sum of components because of independent rounding.

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

Table 23. U.S. Electric Utility DSM Program Direct Utility Costs by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Thousand Dollars)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total Direct Utility Costs [1]
ECAR						
Appalachian Power Co	1,626	0	0	0	0	1,626
Buckeye Power Inc	0	800	0	0	0	800
Cincinnati Gas & Electric Co	8,843	1,019	21	0	0	9,883
Cleveland Electric Illum Co	2,293	0	0	0	0	2,293
Columbus Southern Power Co	1,888	0	77	62	0	2,027
Consumers Power Co	5,890	0	1,017	0	0	6,907
Crawfordsville Elec Lgt&Pwr Co	3	0	0	0	0	3
Dayton Power & Light Co	11,662	0	0	0	0	11,662
Detroit Edison Co	6,896	10	0	0	0	6,906
East Kentucky Power Coop Inc	1,000	0	0	400	0	1,400
Hagerstown City of	26	0	0	0	0	26
Hamilton City of	0	0	0	5	11	16
Indiana Michigan Power Co	1,659	0	9	0	0	1,668
Indiana Municipal Power Agency	7	381	0	0	0	388
Indianapolis Power & Light Co	4,557	0	630	153	992	6,332
Kentucky Power Co	43	0	0	0	0	43
Kentucky Utilities Co	1,768	0	1,259	0	0	3,027
Lansing City of	10	0	0	0	0	10
Louisville Gas & Electric Co	1,250	0	0	0	0	1,250
Midwest Electric Inc	0	80	0	0	0	80
Monongahela Power Co	412	0	0	0	20	432
Ohio Edison Co	6,638	0	0	0	0	6,638
Ohio Power Co	1,972	0	0	1,394	0	3,366
Owen Electric Coop Inc	33	0	0	0	0	33
Pennsylvania Power Co	144	0	0	0	0	144
Potomac Edison Co	5,999	0	0	0	0	5,999
PSI Energy Inc	31,677	11	641	0	0	32,329
South Central Power Co	150	480	0	0	140	770
Southern Indiana Gas & Elec Co	6,282	2,734	0	0	0	9,016
Toledo Edison Co	2,029	0	0	0	0	2,029
Wabash Valley Power Assn Inc	0	450	0	0	0	450
West Penn Power Co	1,571	0	0	0	585	2,156
Wolverine Pwr Supply Coop Inc	0	250	0	0	0	250
ECAR Total	**106,328**	**6,215**	**3,654**	**2,014**	**1,748**	**119,959**
ERCOT						
Austin City of	11,489	25	0	0	0	11,514
Brazos Electric Power Coop Inc	1,415	0	0	0	0	1,415
Bryan City of	368	0	55	0	0	423
Central Power & Light Co	2,672	0	0	0	0	2,672
College Station City of	27	0	0	0	0	27
Denton City of	65	0	0	6	0	71
Garland City of	0	317	297	0	0	614
Georgetown City of	20	1	0	2	0	23
Greenville Electric Util Sys	9	0	35	0	0	44
Guadalupe Valley Elec Coop Inc	0	185	0	0	0	185
Houston Lighting & Power Co	4,676	2,035	0	5,901	0	12,612
Lower Colorado River Authority	2,988	0	0	0	0	2,988
Magic Valley Electric Coop Inc	107	350	0	0	0	457
Medina Electric Coop Inc	0	0	0	28	0	28
San Antonio Public Service Bd	472	0	0	0	0	472
San Bernard Electric Coop Inc	16	0	45	0	0	61
San Marcos City of	22	0	0	0	0	22
Texas Utilities Electric Co	10,683	0	0	1,524	0	12,207
Texas-New Mexico Power Co	1,194	0	0	0	0	1,194
West Texas Utilities Co	2,680	0	0	0	0	2,680
ERCOT Total	**38,903**	**2,913**	**432**	**7,461**	**0**	**49,709**
MAAC						
A & N Electric Coop	0	149	0	0	0	149
Adams Electric Coop Inc	27	396	0	0	182	605
Allegheny Electric Coop Inc	0	468	0	0	0	468
Atlantic City Electric Co	3,536	0	0	0	0	3,536
Baltimore Gas & Electric Co	35,896	12,050	1,264	504	0	49,714
Central Electric Coop Inc	0	131	0	0	0	131
Choptank Electric Coop Inc	0	265	0	0	0	265
Claverack Rural Elec Coop Inc	0	89	0	0	0	89

See footnotes at end of table.

Table 23. U.S. Electric Utility DSM Program Direct Utility Costs by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total Direct Utility Costs [1]
MAAC (Continued)						
Delaware Electric Coop Inc	0	772	0	0	0	772
Delmarva Power & Light Co	3,371	3,661	0	0	10	7,042
Easton Utilities Comm	44	0	0	0	0	44
Jersey Central Power&Light Co	17,700	4,182	0	0	0	21,882
Metropolitan Edison Co	2,911	0	5	726	0	3,642
Northwestern Rural E C A Inc	0	356	0	0	0	356
Pennsylvania Electric Co	4,209	0	0	0	0	4,209
Pennsylvania Power & Light Co	11,434	0	0	0	0	11,434
Potomac Electric Power Co	99,631	12,356	2,239	1,252	0	115,478
Public Service Electric&Gas Co	25,855	166	10,215	0	0	36,236
PECO Energy Co	7,384	0	988	399	0	8,771
Somerset Rural Elec Coop Inc	0	58	0	0	0	58
Southern Maryland El Coop Inc	2,435	3,259	5	0	0	5,699
Southwest Central R E C Corp	0	0	66	0	0	66
Tri-County Rural Elec Coop Inc	0	56	1	0	0	57
United Electric Coop Inc	0	32	10	0	0	42
UGI Utilities Inc	68	0	0	0	0	68
Valley Rural Electric Coop Inc	0	56	3	0	1	60
MAAC Total	**214,501**	**38,502**	**14,796**	**2,881**	**193**	**270,873**
MAIN						
Boone Electric Coop	5	83	1	0	0	89
Central Illinois Light Co	3	3	1,740	0	0	1,746
Coles-Moultrie Electric Coop	0	100	0	0	0	100
Columbia City of	69	314	0	0	0	383
Commonwealth Edison Co	2,400	700	0	1,800	0	4,900
Corn Belt Electric Coop Inc	0	0	0	0	192	192
Cuivre River Electric Coop Inc	0	34	0	0	0	34
Eastern Illini Electric Coop	0	50	12	0	0	62
Farmington City of	0	0	0	101	0	101
Madison Gas & Electric Co	2,191	399	0	0	0	2,590
Manitowoc Public Utilities	230	0	0	0	0	230
Marshfield City of	101	0	0	0	0	101
Menard Electric Coop	0	63	7	0	0	70
Shelby Electric Coop Inc	0	3	5	18	0	26
Southeastern IL Elec Coop Inc	0	0	0	0	2	2
Southwestern Electric Coop Inc	0	55	0	0	0	55
Springfield City of	320	0	0	0	0	320
Tri-County Electric Coop Inc	0	50	50	0	0	100
Union Electric Co	859	230	10,497	0	132	11,718
Wayne-White Counties Elec Coop	0	10	12	0	0	22
Wisconsin Electric Power Co	9,573	2,005	15	685	0	12,278
Wisconsin Power & Light Co	12,021	407	0	0	216	12,644
Wisconsin Public Power Inc Sys	503	0	0	0	0	503
Wisconsin Public Service Corp	5,000	200	3,500	100	0	8,800
MAIN Total	**33,275**	**4,706**	**15,839**	**2,704**	**542**	**57,066**
MAPP(U.S.)						
Ames City of	10	168	0	0	0	178
Anoka City of	10	45	0	0	0	55
Austin City of	58	47	30	30	0	165
Barron Electric Coop	35	10	1	0	0	46
Capital Electric Coop Inc	0	44	0	0	0	44
Cass County Electric Coop Inc	14	65	0	0	0	79
Cedar Falls City of	300	0	0	0	0	300
Central Iowa Power Coop	818	0	0	0	0	818
Central Power Elec Coop Inc	0	90	0	0	0	90
Clark Electric Coop	0	19	0	0	0	19
Coop Power Assn	1,277	6,745	0	42	404	8,468
Cornhusker Public Power Dist	0	55	0	0	0	55
Custer Public Power District	0	0	15	0	0	15
Dawson County Public Pwr Dist	0	0	17	0	0	17
Denison City of	0	25	0	0	0	25
East Grand Forks City of	100	69	0	0	0	169
East River Elec Power Coop Inc	532	1,627	0	0	0	2,159

See footnotes at end of table.

Table 23. U.S. Electric Utility DSM Program Direct Utility Costs by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total Direct Utility Costs [1]
MAPP(U.S.) (Continued)						
Eau Claire Electric Coop	0	99	0	0	0	99
Elkhorn Rural Public Pwr Dist	0	31	0	0	0	31
Fairmont Public Utilities Comm	0	118	0	0	27	145
Grant-Lafayette Electric Coop	6	33	0	0	0	39
Interstate Power Co	2,831	1,973	29	0	0	4,833
Iowa Lakes Electric Coop	227	2	0	2	0	231
IES Utilities Inc	12,212	1,138	5	65	0	13,420
L & O Power Coop	0	20	0	0	0	20
Lexington City of	0	0	1	0	0	1
Lincoln Electric System	98	0	0	8	0	106
Loup River Public Power Dist	0	0	6	0	0	6
Marshall City of	2	96	1	0	0	99
Midland Power Coop	85	1	0	0	0	86
MidAmerican Energy Co	15,742	2,261	6,501	0	78	24,582
Minnesota Power & Light Co	14,260	0	0	0	0	14,260
Minnkota Power Coop Inc	0	1,989	0	0	0	1,989
Moorhead City of	151	0	47	0	0	198
Mountrail-Williams Elec Coop	19	62	0	0	0	81
Municipal Energy Agency of NE	5	11	0	0	0	16
Muscatine City of	205	0	0	0	0	205
Nebraska Public Power District	0	584	0	0	0	584
Nodak Electric Coop Inc	0	21	0	0	0	21
Norris Public Power District	0	247	0	0	0	247
North Platte City of	0	72	0	0	0	72
Northern States Power Co of MN	44,350	5,300	1,300	550	100	51,600
Northern States Power Co of WI	2,394	118	30	470	0	3,012
Northwest Iowa Power Coop	69	456	0	0	0	525
Northwestern Public Service Co	0	0	2	0	0	2
Northwestern Wisconsin Elec Co	51	0	0	21	0	72
Oakdale Electric Coop	0	67	0	0	0	67
Omaha Public Power District	41	0	0	0	0	41
Otter Tail Power Co	2,106	195	0	0	0	2,301
Owatonna City of	35	45	7	6	2	95
Pella City of	68	0	0	0	0	68
People 's Coop Power Assn	29	40	0	0	0	69
Pierre City of	8	1	0	0	0	9
Polk-Burnett Electric Coop	0	320	0	0	0	320
Rice Lake Utilities	62	0	0	0	0	62
Rochester Public Utilities	67	380	0	0	0	447
Roseau Electric Coop Inc	0	57	0	0	0	57
Shakopee Public Utilities Comm	11	0	0	32	0	43
Spencer City of	39	0	0	0	0	39
Superior Water Light&Power Co	258	0	0	0	0	258
Tri-County Electric Coop	20	299	0	0	0	319
United Power Assn	1,548	809	0	2,725	0	5,082
Verendrye Electric Coop Inc	0	25	25	0	0	50
Vernon Electric Coop	15	41	5	0	0	61
York County Rural Pub Pwr Dist	0	65	0	0	0	65
MAPP(U.S.) Total	**100,168**	**25,985**	**8,022**	**3,951**	**611**	**138,737**
NPCC(U.S.)						
Arcade Village of	0	25	0	0	0	25
Bangor Hydro-Electric Co	404	53	0	0	0	457
Boston Edison Co	25,982	0	140	0	0	26,122
Braintree Town of	60	29	0	53	15	157
Burlington City of	437	0	0	0	0	437
Cambridge Electric Light Co	240	0	4	0	0	244
Central Hudson Gas & Elec Corp	3,747	0	0	52	0	3,799
Central Maine Power Co	11,912	308	0	0	0	12,220
Central Vermont Pub Serv Corp	3,100	0	0	0	0	3,100
Chicopee City of	523	0	0	0	0	523
Citizens Utilities Co	653	0	0	0	0	653
Commonwealth Electric Co	1,322	0	36	0	0	1,358
Concord Electric Co	344	0	0	0	0	344
Connecticut Light & Power Co	33,065	20	0	0	0	33,085
Connecticut Valley Elec Co Inc	60	0	0	0	0	60

See footnotes at end of table.

Table 23. U.S. Electric Utility DSM Program Direct Utility Costs by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total Direct Utility Costs [1]
NPCC(U.S.) (Continued)						
Consolidated Edison Co-NY Inc	37,243	0	911	504	0	38,658
Exeter & Hampton Electric Co	561	0	0	0	0	561
Fitchburg Gas & Elec Light Co	1,163	0	0	0	0	1,163
Granite State Electric Co	1,642	0	0	0	0	1,642
Green Mountain Power Corp	1,581	264	5	0	0	1,850
Hingham City of	20	90	0	0	0	110
Holyoke City of	25	0	0	0	0	25
Jamestown City of	176	0	0	0	0	176
Littleton Town of	0	6	0	0	3	9
Long Island Lighting Co	13,583	0	0	0	0	13,583
Maine Public Service Co	25	0	0	0	24	49
Massachusetts Electric Co	47,924	0	0	0	0	47,924
Massena Town of	0	3	0	0	0	3
Montaup Electric Co	8,226	0	0	0	0	8,226
Narragansett Electric Co	7,771	0	0	0	0	7,771
New England Power Co	0	1,677	5,224	0	0	6,901
New Hampshire Elec Coop Inc	70	322	0	0	0	392
New York State Elec & Gas Corp	12,411	0	0	0	0	12,411
Niagara Mohawk Power Corp	12,000	0	0	0	0	12,000
North Attleborough Town of	45	0	98	0	0	143
Norwood City of	275	44	0	5	11	335
Omya Inc	1	0	0	0	0	1
Orange & Rockland Utils Inc	8,490	0	1,760	0	0	10,250
Power Authority of State of NY	8,209	0	0	0	0	8,209
Public Service Co of NH	2,902	0	0	0	0	2,902
Reading Town of	10	15	50	0	80	155
Rochester Gas & Electric Corp	5,366	0	0	0	4,491	9,857
Shrewsbury Town of	250	20	0	0	0	270
Taunton City of	413	0	0	0	71	484
United Illuminating Co	7,522	0	88	564	0	8,174
Wellesley Town of	18	0	0	0	0	18
Western Massachusetts Elec Co	9,516	35	0	0	0	9,551
NPCC(U.S.) Total	**269,287**	**2,911**	**8,316**	**1,178**	**4,695**	**286,387**
SERC						
Aiken Electric Coop Inc	7	100	0	0	8	115
Alabama Electric Coop Inc	558	0	0	0	25	583
Alabama Municipal Elec Auth	0	100	0	0	0	100
Alabama Power Co	1,617	97	25,704	0	69	27,487
Albemarle City of	0	10	5	0	0	15
Altamaha Electric Member Corp	1	4	1	1	2	9
Amicalola Electric Member Corp	18	60	0	0	0	78
Berkeley Electric Coop Inc	0	500	0	0	2	502
Black River Electric Coop Inc	45	230	0	0	0	275
Brunswick Electric Member Corp	100	430	15	0	0	545
BARC Electric Coop Inc	0	98	0	0	0	98
Carolina Power & Light Co	27,600	4,200	20,800	800	0	53,400
Carroll Electric Member Corp	2	51	0	0	0	53
Central Georgia El Member Corp	19	47	0	0	0	66
Central Virginia Electric Coop	0	0	19	0	40	59
Choctawhatche Elec Coop Inc	60	0	0	0	29	89
Clay Electric Coop Inc	0	2,911	0	19	0	2,930
Coastal Electric Member Corp	98	65	0	0	0	163
Cobb Electric Membership Corp	247	1,302	0	0	0	1,549
Colquitt Electric Members Corp	0	160	0	0	0	160
Community Electric Coop	0	155	1	0	0	156
Coweta-Fayette El Member Corp	191	179	0	0	0	370
Crescent Electric Member Corp	22	808	15	0	627	1,472
Crisp County Power Comm	0	0	2	0	0	2
Douglas City of	2	4	2	0	0	8
Duke Power Co	15,019	9,847	26,828	175	0	51,869
Easley Combined Utility System	0	3	0	0	30	33
East Point City of	0	28	0	0	0	28
Excelsior Electric Member Corp	0	5	12	0	0	17
Fairfield Electric Coop Inc	0	4	0	0	247	251
Fayetteville Public Works Comm	0	25	0	0	0	25

See footnotes at end of table.

Table 23. U.S. Electric Utility DSM Program Direct Utility Costs by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total Direct Utility Costs [1]
SERC (Continued)						
Fitzgerald Wtr Lgt & Bond Comm	0	18	0	0	0	18
Flint Electric Membership Corp	280	1,138	0	0	0	1,418
Florida Keys El Coop Assn Inc	0	153	0	0	0	153
Florida Power & Light Co	62,078	91,187	0	0	0	153,265
Florida Power Corp	6,089	56,835	18,868	496	0	82,288
Fort Pierce Utilities Auth	175	0	0	0	0	175
Gainesville Regional Utilities	267	0	0	0	175	442
Georgia Power Co	23,290	1,444	17,950	0	0	42,684
Grady County Elec Member Corp	12	18	0	0	1	31
Greenville Utilities Comm	63	540	0	0	0	603
GreyStone Power Corp	24	88	0	0	0	112
Gulf Power Co	3,199	0	0	43	0	3,242
Harrisonburg City of	5	0	4	22	0	31
Hart Electric Member Corp	150	55	0	0	0	205
Haywood Electric Member Corp	3	48	11	4	2	68
High Point Town of	0	225	0	0	0	225
Jackson Electric Member Corp	0	210	0	0	0	210
Jacksonville Electric Auth	706	0	0	0	0	706
Jefferson Electric Member Corp	12	24	6	0	0	42
Kinston City of	0	60	4,400	0	0	4,460
Kissimmee Utility Authority	225	1,130	0	0	0	1,355
Lakeland City of	0	391	0	0	0	391
Lamar Electric Membership Corp	0	0	0	3	0	3
Laurens Electric Coop Inc	33	0	0	0	4	37
Laurinburg City of	0	158	0	0	50	208
Lawrenceville City of	0	0	0	1	1	2
Lee County Electric Coop Inc	255	811	23	0	0	1,089
Leesburg City of	5	35	0	0	0	40
Lumberton City of	0	26	0	0	0	26
Manassas City of	0	10	0	0	0	10
Mecklenburg Electric Coop Inc	0	112	2	0	3	117
Mid-Carolina Electric Coop Inc	0	995	0	0	45	1,040
Mississippi Power Co	18	0	0	0	0	18
Mitchell Electric Member Corp	0	25	3	0	0	28
New Bern City of	0	250	0	0	0	250
New River Light & Power Co	0	23	0	0	0	23
New Smyrna Beach Utils Comm	0	11	0	0	0	11
Newnan Wtr Sewer & Light Comm	0	40	0	0	0	40
North Carolina Eastern M P A	0	1,400	0	70	0	1,470
North Carolina El Member Corp	0	13,383	0	0	0	13,383
North Carolina Mun Power Agny	0	882	0	51	0	933
Northern Neck Elec Coop Inc	0	65	0	0	0	65
Northern Virginia Elec Coop	147	1,003	1,137	0	0	2,287
Ocala City of	182	95	0	0	0	277
Orlando Utilities Comm	256	0	15	0	0	271
Palmetto Electric Coop Inc	139	1,356	6	40	0	1,541
Pee Dee Electric Coop Inc	47	30	0	0	0	77
Piedmont Municipal Power Agny	0	862	0	0	0	862
Planters Electric Member Corp	2	14	4	0	0	20
Prince George Electric Coop	0	20	0	0	0	20
Rappahannock Electric Coop	0	675	0	0	0	675
Rayle Electric Membership Corp	13	7	0	0	0	20
Reedy Creek Improvement Dist	75	0	0	0	0	75
Rock Hill City of	0	3	0	0	55	58
Rocky Mount City of	0	125	0	0	0	125
Satilla Rural Elec Member Corp	3	25	0	0	0	28
Savannah Electric & Power Co	2,096	0	0	0	0	2,096
Sawnee Electric Members Corp	65	446	0	0	0	511
Shenandoah Valley Elec Coop	0	89	0	0	0	89
Singing River Elec Power Assn	75	0	0	1	0	76
Smithfield Town of	0	1	0	0	0	1
South Carolina Electric&Gas Co	7,900	0	1	1,544	0	9,445
South Carolina Pub Serv Auth	3,021	5,037	0	0	0	8,058
South Mississippi El Pwr Assn	98	0	0	0	0	98
Southside Electric Coop Inc	0	33	0	0	0	33
Sumter Electric Coop Inc	0	144	7	0	0	151
Suwannee Valley Elec Coop Inc	0	57	0	0	0	57

See footnotes at end of table.

Table 23. U.S. Electric Utility DSM Program Direct Utility Costs by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total Direct Utility Costs [1]
SERC (Continued)						
Tallahassee City of	473	0	0	0	384	857
Tampa Electric Co	5,063	11,454	0	208	0	16,725
Tennessee Valley Authority	2,140	3,820	0	0	0	5,960
Thomasville City of	0	6	0	0	0	6
Tri-County Elec Member Corp	27	9	0	0	0	36
Tri-County Elec Member Corp	0	138	2	0	0	140
Virginia Electric & Power Co	5,653	10,360	6,664	57	0	22,734
Walton Electric Member Corp	0	80	0	0	0	80
Washington City of	0	650	0	0	0	650
Wilson City of	3	75	3,000	0	0	3,078
Withlacoochee River Elec Coop	64	0	0	0	10	74
SERC Total	**170,037**	**229,827**	**125,507**	**3,535**	**1,809**	**530,715**
SPP						
Alfalfa Electric Coop Inc	0	42	0	0	0	42
Altus City of	0	1	0	0	0	1
Bailey County Elec Coop Assn	0	0	75	0	0	75
C & L Electric Coop Corp	0	0	4	0	0	4
Caddo Electric Coop Inc	0	450	0	0	0	450
Carroll Electric Coop Corp	0	32	0	0	0	32
Central Rural Electric Coop	0	56	0	0	0	56
Cookson Hills Elec Coop Inc	0	443	0	0	0	443
Craighead Electric Coop Corp	0	0	264	0	0	264
Dixie Electric Membership Corp	0	98	0	0	0	98
Duncan City of	76	0	0	0	0	76
Empire District Electric Co	0	0	842	0	0	842
First Electric Coop Corp	0	110	0	0	0	110
Independence City of	105	0	0	0	0	105
Indian Electric Coop Inc	0	47	0	0	0	47
Kansas City Power & Light Co	0	50	1,254	0	0	1,304
Kansas Electric Power Coop Inc	0	29	2	0	0	31
Kansas Gas & Electric Co	0	678	0	0	0	678
Mississippi Cnty Elec Coop Inc	0	34	0	0	0	34
North Arkansas Elec Coop Inc	0	160	0	0	0	160
Northeast Louisiana Power Coop	0	0	0	0	60	60
Oklahoma Gas & Electric Co	0	0	6,125	7,295	0	13,420
Oklahoma Municipal Power Auth	0	0	0	0	66	66
Osceola City of	0	0	300	0	0	300
Ozark Electric Coop Inc	1	0	1	0	0	2
Petit Jean Electric Coop Corp	0	140	38	0	0	178
Red River Valley Rrl Elec Assn	97	0	0	0	2	99
South Central Ark El Coop Inc	0	0	0	2	0	2
South Plains Electric Coop Inc	294	240	0	0	0	534
Southwestern Electric Power Co	1,587	0	0	0	0	1,587
Southwestern Public Service Co	1,387	0	0	0	0	1,387
Verdigris Valley Elec Coop Inc	0	99	5	0	0	104
Western Resources Inc	0	691	1,632	0	0	2,323
White River Valley El Coop Inc	0	0	7	0	0	7
Woodruff Electric Coop Corp	0	79	0	5	0	84
SPP Total	**3,547**	**3,479**	**10,549**	**7,302**	**128**	**25,005**
WSCC(U.S.)						
Alameda City of	58	0	72	0	0	130
Anaheim City of	355	15	523	256	323	1,472
Arizona Electric Pwr Coop Inc	264	0	0	0	0	264
Arizona Public Service Co	3,135	0	0	0	0	3,135
Black Hills Corp	50	0	0	32	0	82
Bonneville Power Admin	82,157	0	11,444	0	8,200	101,801
Colorado Springs City of	300	0	0	0	200	500
El Paso Electric Co	513	0	6	62	0	581
Ellensburg City of	394	0	0	0	0	394
Eugene City of	3,800	0	0	0	0	3,800
Fort Collins City of	194	103	0	0	0	297
Idaho Power Co	5,885	0	0	0	0	5,885
Imperial Irrigation District	206	0	0	0	0	206

See footnotes at end of table.

Table 23. U.S. Electric Utility DSM Program Direct Utility Costs by North American Electric Reliability Council Region and Hawaii by DSM Program Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Energy Efficiency	Direct Load Control	Interruptible Load	Other Load Management	Other Demand-Side Management	Total Direct Utility Costs [1]
WSCC(U.S.) (Continued)						
La Plata Electric Assn Inc	0	0	0	0	20	20
Longmont City of	7	0	0	0	7	14
Los Angeles City of	3,049	0	0	0	0	3,049
Loveland City of	81	0	0	0	17	98
Modesto Irrigation District	800	300	0	0	0	1,100
Mohave Electric Coop Inc	3	0	0	0	0	3
Montana Power Co	10,686	0	0	0	0	10,686
Mountain Parks Electric Inc	0	0	0	28	0	28
Navopache Electric Coop Inc	4	27	0	54	23	108
Nevada Power Co	1,832	304	24	13	0	2,173
Overton Power District No 5	5	0	0	0	0	5
Pacific Gas & Electric Co	98,900	0	1,100	19,600	0	119,600
PacifiCorp	57,441	0	0	0	0	57,441
Palo Alto City of	250	0	0	0	0	250
Portland General Electric Co	25,014	0	0	0	0	25,014
Public Service Co of Colorado	9,474	0	225	0	0	9,699
Puget Sound Power & Light Co	12,924	0	0	0	0	12,924
PUD No 1 of Benton County	165	0	0	0	0	165
PUD No 1 of Clark County	3,740	0	0	0	0	3,740
PUD No 1 of Pend Oreille Cnty	88	0	0	0	0	88
PUD No 2 of Grant County	291	0	0	2,850	0	3,141
Redding City of	0	24	10	35	73	142
Riverside City of	589	0	0	126	0	715
Roseville City of	596	124	0	0	0	720
Sacramento Municipal Util Dist	38,069	3,811	213	353	14	42,460
Salem Electric Coop	229	0	0	0	0	229
Salt River Proj Ag I & P Dist	3,510	0	0	0	0	3,510
San Diego Gas & Electric Co	39,910	0	195	352	4	40,461
Santa Clara City of	0	0	400	0	0	400
Seattle City of	15,527	0	0	0	0	15,527
Sierra Pacific Power Co	944	0	0	0	0	944
Southern California Edison Co	37,896	0	456	1,667	0	40,019
Springfield City of	1,856	0	0	0	0	1,856
Sulphur Springs Valley E C Inc	0	5	0	0	0	5
Tacoma City of	4,949	0	0	0	0	4,949
Trico Electric Coop Inc	0	0	3	0	0	3
Tucson Electric Power Co	3,361	0	0	0	0	3,361
Turlock Irrigation District	245	0	0	0	0	245
United Power Inc	15	0	15	0	25	55
Utah Municipal Power Agency	16	0	0	0	0	16
Vera Irrigation District # 15	0	0	0	0	2	2
Vernon City of	0	0	0	8	8	16
Washington Water Power Co	2,370	0	0	0	0	2,370
Yellowstone Vlly Elec Coop Inc	0	0	0	169	0	169
WSCC(U.S.) Total	**472,147**	**4,713**	**14,686**	**25,605**	**8,916**	**526,067**
Contiguous U.S.	**1,408,193**	**319,251**	**201,801**	**56,631**	**18,642**	**2,004,518**
ASCC						
Alaska Electric Light&Power Co	0	52	0	0	0	52
Golden Valley Elec Assn Inc	349	0	0	0	0	349
ASCC Total	**349**	**52**	**0**	**0**	**0**	**401**
U.S. Total	**1,408,542**	**319,303**	**201,801**	**56,631**	**18,642**	**2,004,919**

[1] Reflects electric utility cost incurred during the year that are identified with one of the demand-side management program categories.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours.

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

Table 24. U.S. Electric Utility DSM Program Indirect Utility Costs by North American Electric Reliability Council Region and Hawaii by Cost Category, 1995

(Thousand Dollars)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Administrative	Marketing	Monitoring and Evaluation	Other [1]	Total Indirect Utility Cost
ECAR					
American Mun Power-Ohio Inc	17	0	7	24	48
Appalachian Power Co	310	0	53	0	363
Cleveland Electric Illum Co	429	0	0	0	429
Columbus Southern Power Co	188	0	56	0	244
Consumers Power Co	1,416	0	666	0	2,082
Detroit Edison Co	255	0	539	0	794
East Kentucky Power Coop Inc	400	100	100	0	600
Indiana Michigan Power Co	104	0	0	0	104
Indianapolis Power & Light Co	0	0	0	56	56
Kentucky Utilities Co	294	1,668	116	0	2,078
Lansing City of	0	5	2	0	7
Ohio Power Co	116	0	20	0	136
Owen Electric Coop Inc	0	73	0	0	73
PSI Energy Inc	939	12	8	1,082	2,041
South Central Power Co	18	15	0	0	33
Southern Indiana Gas & Elec Co	204	104	847	22	1,177
Toledo Edison Co	401	0	0	0	401
Wabash Valley Power Assn Inc	100	100	100	7,910	8,210
Wolverine Pwr Supply Coop Inc	0	75	0	0	75
ECAR Total	**5,191**	**2,152**	**2,514**	**9,094**	**18,951**
ERCOT					
Austin City of	940	470	358	0	1,768
Bryan City of	75	0	0	0	75
Central Power & Light Co	0	4,877	0	0	4,877
College Station City of	52	16	0	0	68
Georgetown City of	5	0	10	0	15
Greenville Electric Util Sys	7	3	2	0	12
Guadalupe Valley Elec Coop Inc	8	7	43	0	58
Houston Lighting & Power Co	2,831	1,004	253	4,515	8,603
Lower Colorado River Authority	1,082	178	207	1,605	3,072
Magic Valley Electric Coop Inc	29	2	0	0	31
Medina Electric Coop Inc	14	0	3	12	29
San Bernard Electric Coop Inc	4	0	0	0	4
Texas Utilities Electric Co	2,100	0	0	0	2,100
ERCOT Total	**7,147**	**6,557**	**876**	**6,132**	**20,712**
MAAC					
Allegheny Electric Coop Inc	0	238	0	0	238
Baltimore Gas & Electric Co	2,500	323	642	0	3,465
Central Electric Coop Inc	3	85	0	0	88
Delmarva Power & Light Co	0	1,398	466	0	1,864
Easton Utilities Comm	19	3	0	4	26
Jersey Central Power&Light Co	2,452	3,028	138	3,393	9,011
Metropolitan Edison Co	335	0	0	343	678
Potomac Electric Power Co	2,793	671	13	0	3,477
Public Service Electric&Gas Co	8,922	1,081	0	250	10,253
Somerset Rural Elec Coop Inc	55	26	3	0	84
Southern Maryland El Coop Inc	27	0	59	0	86
Tri-County Rural Elec Coop Inc	1	2	1	0	4
United Electric Coop Inc	22	80	0	0	102
UGI Utilities Inc	18	4	20	0	42
Valley Rural Electric Coop Inc	28	28	0	0	56
MAAC Total	**17,175**	**6,967**	**1,342**	**3,990**	**29,474**
MAIN					
Boone Electric Coop	2	2	1	0	5
Central Illinois Light Co	250	69	0	0	319
Central Illinois Pub Serv Co	41	0	0	525	566
Coles-Moultrie Electric Coop	0	50	0	0	50
Columbia City of	105	170	7	0	282
Corn Belt Electric Coop Inc	8	10	0	0	18
Cuivre River Electric Coop Inc	0	1	3	0	4
Eastern Illini Electric Coop	0	10	20	0	30
Illinois Power Co	0	0	0	19	19
Madison Gas & Electric Co	1,597	449	128	0	2,174

See footnotes at end of table.

Table 24. U.S. Electric Utility DSM Program Indirect Utility Costs by North American Electric Reliability Council Region and Hawaii by Cost Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Administrative	Marketing	Monitoring and Evaluation	Other [1]	Total Indirect Utility Cost
MAIN (Continued)					
Marshfield City of	4	14	7	4	29
Menard Electric Coop	1	6	3	0	10
Shelby Electric Coop Inc	4	2	3	0	9
Southwestern Electric Coop Inc	85	10	0	0	95
Springfield City of	62	115	28	0	205
Tri-County Electric Coop Inc	10	5	0	0	15
Wayne-White Counties Elec Coop	2	0	2	0	4
Wisconsin Electric Power Co	4,557	4,870	208	0	9,635
Wisconsin Power & Light Co	251	0	1,044	0	1,295
Wisconsin Public Power Inc Sys	185	123	0	0	308
Wisconsin Public Service Corp	0	5,960	0	0	5,960
MAIN Total	**7,164**	**11,866**	**1,454**	**548**	**21,032**
MAPP(U.S.)					
Ames City of	52	20	0	0	72
Anoka City of	0	0	0	16	16
Austin City of	26	44	3	0	73
Cass County Electric Coop Inc	4	43	4	0	51
Central Iowa Power Coop	204	307	102	0	613
Chaska City of	77	0	0	0	77
Clark Electric Coop	3	0	0	0	3
Cornhusker Public Power Dist	0	0	2	0	2
Dawson County Public Pwr Dist	0	0	0	13	13
East Grand Forks City of	49	0	6	0	55
East River Elec Power Coop Inc	0	266	0	0	266
Fairmont Public Utilities Comm	1	0	0	0	1
Grant-Lafayette Electric Coop	25	26	10	0	61
Interstate Power Co	421	571	192	0	1,184
Iowa Lakes Electric Coop	26	309	21	0	356
IES Utilities Inc	1,100	129	164	1,306	2,699
Marshall City of	12	4	1	0	17
Midland Power Coop	11	11	4	0	26
MidAmerican Energy Co	555	177	71	922	1,725
Minnesota Valley Electric Coop	0	0	0	665	665
Minnkota Power Coop Inc	50	100	0	0	150
Moorhead City of	88	13	1	0	102
Municipal Energy Agency of NE	7	3	2	0	12
MDU Resources Group Inc	215	408	0	0	623
Nebraska Public Power District	93	2,771	199	0	3,063
Nodak Electric Coop Inc	8	5	38	0	51
Norris Public Power District	27	0	0	0	27
North Platte City of	0	0	0	5	5
Northern States Power Co of MN	0	200	1,050	150	1,400
Northern States Power Co of WI	122	1,458	680	0	2,260
Northwest Iowa Power Coop	10	10	5	0	25
Oakdale Electric Coop	30	63	0	0	93
Omaha Public Power District	50	300	0	0	350
Otter Tail Power Co	0	3,840	0	0	3,840
Owatonna City of	10	3	1	0	14
People 's Coop Power Assn	0	4	0	0	4
Pierre City of	1	0	1	0	2
Rice Lake Utilities	12	0	0	0	12
Rochester Public Utilities	40	7	3	0	50
Shakopee Public Utilities Comm	1	1	0	0	2
Spencer City of	2	4	1	0	7
Tri-County Electric Coop	27	18	0	0	45
Verendrye Electric Coop Inc	10	30	5	0	45
Vernon Electric Coop	3	74	0	0	77
MAPP(U.S.) Total	**3,372**	**11,219**	**2,566**	**3,077**	**20,234**
NPCC(U.S.)					
Bangor Hydro-Electric Co	152	0	0	0	152
Boston Edison Co	3,819	344	2,076	234	6,473
Braintree Town of	28	3	0	0	31
Cambridge Electric Light Co	222	0	49	0	271

See footnotes at end of table.

Table 24. U.S. Electric Utility DSM Program Indirect Utility Costs by North American Electric Reliability Council Region and Hawaii by Cost Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Administrative	Marketing	Monitoring and Evaluation	Other [1]	Total Indirect Utility Cost
NPCC(U.S.) (Continued)					
Central Hudson Gas & Elec Corp	6	161	104	0	271
Central Maine Power Co	462	0	0	76	538
Central Vermont Pub Serv Corp	1,400	0	176	0	1,576
Citizens Utilities Co	2,012	100	311	962	3,385
Commonwealth Electric Co	589	0	93	0	682
Concord Electric Co	183	0	27	0	210
Connecticut Light & Power Co	1,960	0	1,871	164	3,995
Connecticut Valley Elec Co Inc	79	0	5	0	84
Consolidated Edison Co-NY Inc	2,311	528	10,756	0	13,595
Exeter & Hampton Electric Co	221	0	33	0	254
Granite State Electric Co	172	26	54	0	252
Green Mountain Power Corp	761	0	40	509	1,310
Hingham City of	0	4	0	0	4
Holyoke City of	9	0	0	0	9
Maine Public Service Co	8	0	0	38	46
Massachusetts Electric Co	3,567	1,662	2,106	0	7,335
Montaup Electric Co	1,463	280	371	0	2,114
Narragansett Electric Co	1,302	253	540	0	2,095
New England Power Co	177	17	0	0	194
New Hampshire Elec Coop Inc	485	0	50	0	535
Niagara Mohawk Power Corp	7,112	0	1,311	0	8,423
Norwood City of	0	1	1	0	2
Orange & Rockland Utils Inc	675	140	74	0	889
Power Authority of State of NY	1,163	0	0	0	1,163
Public Service Co of NH	431	0	0	0	431
Rochester Gas & Electric Corp	235	160	180	199	774
Shrewsbury Town of	10	10	0	0	20
United Illuminating Co	386	13	870	0	1,269
Western Massachusetts Elec Co	652	0	1,070	225	1,947
NPCC(U.S.) Total	**32,052**	**3,702**	**22,168**	**2,407**	**60,329**
SERC					
Aiken Electric Coop Inc	148	0	0	0	148
Alabama Electric Coop Inc	136	317	6	0	459
Alabama Municipal Elec Auth	10	0	0	0	10
Alabama Power Co	9,870	7,634	175	0	17,679
Albemarle City of	20	3	2	0	25
Altamaha Electric Member Corp	1	2	1	0	4
Berkeley Electric Coop Inc	40	120	100	0	260
Black River Electric Coop Inc	30	5	0	0	35
Brunswick Electric Member Corp	24	79	39	0	142
Carolina Power & Light Co	0	0	0	3,200	3,200
Carroll Electric Member Corp	5	10	5	0	20
Central Georgia El Member Corp	32	20	0	0	52
Central Virginia Electric Coop	0	2	0	0	2
Choctawhatche Elec Coop Inc	70	31	0	0	101
Cobb Electric Membership Corp	195	649	0	0	844
Coweta-Fayette El Member Corp	143	290	0	0	433
Crescent Electric Member Corp	0	209	0	0	209
Douglas City of	3	3	2	0	8
Duke Power Co	13,865	4,574	796	21,427	40,662
Easley Combined Utility System	2	0	0	0	2
Fairfield Electric Coop Inc	9	555	0	0	564
Flint Electric Membership Corp	431	36	0	0	467
Florida Keys El Coop Assn Inc	10	1	0	0	11
Florida Power & Light Co	14,359	0	0	2,229	16,588
Florida Power Corp	3,072	152	0	78	3,302
Gainesville Regional Utilities	78	122	15	0	215
Grady County Elec Member Corp	3	8	1	0	12
Greenville Utilities Comm	39	3	76	0	118
GreyStone Power Corp	0	4	0	255	259
Haywood Electric Member Corp	4	4	2	0	10
Jackson Electric Member Corp	17	86	25	0	128
Jacksonville Electric Auth	96	77	0	0	173
Jefferson Electric Member Corp	6	6	0	0	12
Lakeland City of	51	6	0	0	57

See footnotes at end of table.

Table 24. U.S. Electric Utility DSM Program Indirect Utility Costs by North American Electric Reliability Council Region and Hawaii by Cost Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Administrative	Marketing	Monitoring and Evaluation	Other [1]	Total Indirect Utility Cost
SERC (Continued)					
Laurens Electric Coop Inc	1	2	0	0	3
Lee County Electric Coop Inc	115	0	0	0	115
Leesburg City of	15	0	1	0	16
Manassas City of	2	0	2	0	4
Mecklenburg Electric Coop Inc	14	0	2	0	16
Mid-Carolina Electric Coop Inc	100	56	0	0	156
New Bern City of	50	5	0	0	55
New River Light & Power Co	2	1	1	0	4
New Smyrna Beach Utils Comm	0	0	0	187	187
North Carolina Eastern M P A	126	200	50	0	376
North Carolina Mun Power Agny	172	175	45	0	392
Northern Virginia Elec Coop	51	41	4	0	96
Orangeburg City of	5	2	3	0	10
Orlando Utilities Comm	688	300	0	0	988
Palmetto Electric Coop Inc	28	116	0	0	144
Prince George Electric Coop	1	0	0	0	1
Rayle Electric Membership Corp	2	4	0	0	6
Reedy Creek Improvement Dist	48	10	10	0	68
Satilla Rural Elec Member Corp	1	2	1	0	4
Sawnee Electric Members Corp	19	18	35	0	72
Shenandoah Valley Elec Coop	32	20	0	0	52
Singing River Elec Power Assn	5	1	1	0	7
Smithfield Town of	0	1	0	0	1
South Carolina Pub Serv Auth	603	0	0	141	744
Southside Electric Coop Inc	8	2	0	0	10
Sumter Electric Coop Inc	33	2	0	0	35
Tallahassee City of	249	14	0	0	263
Tampa Electric Co	296	0	0	0	296
Tennessee Valley Authority	0	0	0	50,993	50,993
Thomasville City of	0	0	0	44	44
Tri-County Elec Member Corp	50	5	20	0	75
Virginia Electric & Power Co	3,463	2,719	1,195	1,517	8,894
Wilson City of	60	5	5	0	70
York Electric Coop Inc	10	6	2	20	38
SERC Total	**49,018**	**18,715**	**2,622**	**80,091**	**150,446**
SPP					
Carroll Electric Coop Corp	3	0	8	0	11
Craighead Electric Coop Corp	34	32	52	0	118
First Electric Coop Corp	5	5	5	0	15
Golden Spread Elec Coop Inc	5	0	0	55	60
Independence City of	27	2	5	0	34
Kansas City City of	226	0	0	0	226
Kansas City Power & Light Co	0	0	0	50	50
Oklahoma Municipal Power Auth	17	17	17	0	51
Ozark Electric Coop Inc	1	0	0	0	1
Petit Jean Electric Coop Corp	5	0	25	0	30
Red River Valley Rrl Elec Assn	2	0	2	0	4
South Central Ark El Coop Inc	0	0	0	1	1
Southwestern Public Service Co	514	0	281	0	795
Verdigris Valley Elec Coop Inc	5	0	13	0	18
Woodruff Electric Coop Corp	0	0	10	0	10
SPP Total	**844**	**56**	**418**	**106**	**1,424**
WSCC(U.S.)					
Alameda City of	70	0	0	0	70
Anaheim City of	533	43	0	0	576
Arizona Public Service Co	1,259	1,190	389	0	2,838
Black Hills Corp	372	0	0	0	372
Bonneville Power Admin	30,766	0	1,500	0	32,266
Colorado Springs City of	50	0	0	0	50
Columbia River Peoples Ut Dist	144	0	0	0	144
El Paso Electric Co	248	248	247	0	743
Ellensburg City of	101	0	0	0	101
Eugene City of	2,500	30	10	0	2,540

See footnotes at end of table.

Table 24. U.S. Electric Utility DSM Program Indirect Utility Costs by North American Electric Reliability Council Region and Hawaii by Cost Category, 1995

(Thousand Dollars) (Continued)

North American Electric Reliability Council Region and Hawaii / Electric Utility	Administrative	Marketing	Monitoring and Evaluation	Other [1]	Total Indirect Utility Cost
WSCC(U.S.) (Continued)					
Fort Collins City of	92	0	0	0	92
Imperial Irrigation District	0	39	0	0	39
La Plata Electric Assn Inc	5	2	0	0	7
Longmont City of	90	0	2	0	92
Los Angeles City of	913	203	171	0	1,287
Loveland City of	32	32	0	0	64
Mohave Electric Coop Inc	5	10	0	0	15
Navopache Electric Coop Inc	9	2	15	20	46
Nevada Power Co	248	0	108	0	356
Overton Power District No 5	10	2	1	0	13
Pacific Gas & Electric Co	3,800	0	7,600	0	11,400
PacifiCorp	710	98	111	1,170	2,089
Pasadena City of	0	0	0	500	500
Portland General Electric Co	0	0	400	0	400
Public Service Co of Colorado	2,779	0	0	0	2,779
Puget Sound Power & Light Co	690	0	79	0	769
PUD No 1 of Benton County	50	0	0	0	50
PUD No 1 of Clark County	0	0	0	426	426
PUD No 1 of Pend Oreille Cnty	0	0	0	635	635
Riverside City of	21	11	4	0	36
Roseville City of	25	3	0	0	28
Sacramento Municipal Util Dist	1,153	0	866	1,288	3,307
Salt River Proj Ag I & P Dist	3,247	592	582	0	4,421
San Diego Gas & Electric Co	0	0	4,170	2,065	6,235
Santa Clara City of	75	0	0	0	75
Seattle City of	3,387	0	0	0	3,387
Sierra Pacific Power Co	12	0	60	0	72
Southern California Edison Co	0	0	8,531	1,820	10,351
Springfield City of	539	0	0	61	600
Tacoma City of	769	0	383	1,794	2,946
United Power Inc	6	6	12	14	38
Utah Municipal Power Agency	0	1	2	5	8
Vera Irrigation District # 15	38	0	0	0	38
Vernon City of	46	0	3	0	49
Washington Water Power Co	1,109	0	24	0	1,133
Yellowstone Vlly Elec Coop Inc	5	17	3	0	25
WSCC(U.S.) Total	**55,908**	**2,529**	**25,273**	**9,798**	**93,508**
Contiguous U.S.	**177,871**	**63,763**	**59,233**	**115,243**	**416,110**
ASCC					
Alaska Electric Light&Power Co	5	2	2	60	69
Golden Valley Elec Assn Inc	144	19	0	0	163
ASCC Total	**149**	**21**	**2**	**60**	**232**
U.S. Total	**178,020**	**63,784**	**59,235**	**115,303**	**416,342**

[1] Includes the indirect costs of demand-side management programs that cannot be meaningfully included in any of the other cost categories, including costs incurred in the research and development of demand-side management technologies.

Notes: •Data are final. •Data are provided for electric utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours.

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

Appendix A

Technical Notes

Appendix A

Technical Notes

Source of Data

The *U.S. Electric Utility Demand-Side Management* report is prepared by the Coal and Electric Data and Renewables Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA); U.S. Department of Energy (DOE). Data published in the *U.S. Electric Utility Demand-Side Management* report are compiled from the Form EIA-861, "Annual Electric Utility Report," which is summarized below:

Form EIA-861

The Form EIA-861 is a mandatory census of electric utilities in the United States, its territories, and Puerto Rico. The Form EIA-861 data contained in this publication are for the United States only. The survey is used to collect information on power production and sales of electricity from approximately 3,200 electric utilities. The data collected are used to update the electric utility frame database maintained by the EIA. This database supports queries from the Executive Branch, Congress, other public agencies, and the general public. Summary data from the Form EIA-861 are also contained in the *Electric Power Annual Volume II; Electric Sales and Revenue; Financial Statistics of Major U.S. Investor-Owned Electric Utilities; Financial Statistics of Major U.S. Publicly Owned Electric Utilities; Annual Energy Outlook; Electric Trade in the United States, Annual Energy Review, Monthly Energy Review,* and *Electric Power Monthly.* These reports present aggregate totals for electric utilities on national, State, and NERC Region levels and by ownership class and consumer class of service.

Demand-side management (DSM) data are collected on Schedule V, "Demand-Side Management Information," of Form EIA-861. Collected are data on DSM costs, annual and incremental effects for energy savings and for actual and potential peak load reductions. Also collected is information on the end use and type of energy efficiency programs. DSM data collected on Form EIA-861 are estimated by electric utilities based on engineering data, statistical analysis, or other estimation methods.

EIA collects information on DSM activities from all utilities with DSM programs. DSM data are aggregated at the NERC region and consumer sector levels. Utilities with sales to ultimate consumers or sales for resale greater than or equal to 120,000 megawatthours report incremental peak load reductions and energy effects for the reporting year, annual peak load reductions and energy effects for the reporting year and first- and fifth-forecast years, itemized direct and indirect utility costs and nonutility cost attributable to DSM programs for all 3 years, end use and type of energy efficiency programs. Annual and incremental effects for the reporting year are reported by consumer sector (residential, commercial, industrial, other) for each program category (energy efficiency, direct load control, interruptible load, other load management, other DSM programs, and load building). Forecast peak load reductions and energy effects are reported by program category with all consumer sectors combined. Utilities with sales to ultimate consumers and sales for resale less than 120,000 megawatthours report selected items: incremental peak load reductions and energy effects, total utility cost, total nonutility cost, and total DSM cost for the reporting year and first- and fifth-forecast years, end use and type of energy efficiency programs. In years prior to 1992, utilities with sales for resale and sales to ultimate consumers less than 120,000 megawatthours did not report on DSM activities.

Instrument and Design History. The Form EIA-861 was implemented in January 1985 to collect data as of year-end 1984. Schedule V, "Demand-Side Management Information," was added to the survey in 1990 to collect data for year-end 1989. Schedule V was revised for the 1991 collection and again for the 1993 year-end collection. The Federal Energy Administration Act of 1974 (Public Law 93-275) and the Energy Policy Act of 1992 (Public Law 102-486) define the legislative authority to collect these data.

Data Processing. The Form EIA-861 is mailed to the respondents in January to collect data as of the end of the preceding calendar year. The completed forms are to be returned to the EIA by April 30. Internal edit checks are performed to verify that current data are comparable to data reported the previous year. Respondents are telephoned to obtain clarification of reported data and to obtain missing data.

Voltage Reduction

Voltage reduction, though not considered a DSM program, may be used by utilities to reduce load since power provided to the consumers is a function of both voltage and current. Voltage reduction is mainly used in emergency situations, although some utilities use it to reduce demand during peak load periods under normal operating conditions.

During normal operating conditions, utilities provide service to retail consumers within a range of voltages (e.g., 120v + 5 percent). States generally promulgate rules that describe the service utilities must provide to customers, including voltage levels. During emergency situations, utilities are allowed to go beyond the normal operating range to a limited extent. Most systems that use voltage reduction during emergencies limit the variation to a maximum of 5 percent outside of normal operating limits, but some go as high as 8 percent. The reduction applied may be any level up to the maximum, depending on the circumstances. Although the emergency voltage reductions go outside of the normal ranges, they are implemented for short periods of time (as little as 10 minutes to an hour). Voltage reduction is effected by reducing the voltage at customer-level substations (distribution system), either manually or remotely, if the utility system is fully automated. A voltage reduction can be made for one area of a utility's service territory, or for an entire utility system.

The amount of power that is saved when voltage is reduced depends on many factors including the types of load and the relative proportions of those loads at the time the voltage is reduced. Since load mix and level varies by season and time of day, the impacts of voltage reduction will vary accordingly. The potential peak load savings that may be achieved under a set of specific circumstances for a 5 percent reduction in voltage, can range from negligible to 5 percent of summer peak load, with most savings being less than 3 percent of winter or summer peak load.

Some utilities also use the term "voltage reduction" to include improvements in their distribution system that allow them to operate at lower nominal voltages. By investing in improved voltage regulators, line reconductoring, and other distribution equipment, utilities can lower substation operating voltage and still provide customers with adequate voltage, thereby saving energy. When the savings are adequate to justify the investment, utilities may implement such a program and refer to it as voltage reduction or conservation voltage reduction.

Quality of Data

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

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

Data Editing System

Data from the surveys are edited using automated systems. The edits include both deterministic checks, in which records are checked for the presence of required fields and their validity; and statistical checks, in which estimation techniques are used to validate data according to their behavior in the past and in comparison to other current fields.

Confidentiality of the Data

The data collected on the Form EIA-861 used for input to this report are not confidential.

Rounding Rules for Data

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

Percent Difference Calculation

The following formula is used to calculate percent differences.

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

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

CNEAF Data Revision and Policy

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

1. Annual survey data collected by this office are published either as preliminary or final when first appearing in a data report. Data initially released as preliminary will be so noted in the report. These data will be revised, if necessary, and declared final in the next publication of the data.
2. The magnitude of changes due to revisions experienced in the past will be included in the data reports, so that the reader can assess the accuracy of the data.
3. After data are published as final, corrections will be made only in the event of a greater than one percent difference at the national level. Corrections for differences that are less than the before-mentioned threshold are left to the discretion of the Office Director.

The *U.S. Electric Utility Demand-Side Management* (DSM) report presents the most current annual data available to the EIA. The statistics may differ from those published previously in EIA publications due to corrections, revisions, or other adjustments to the data subsequent to its original release. The status (preliminary versus final) of DSM data published by EIA follows:

- **U.S. Electric Utility Demand-Side Management**

  Data on demand-side management from the Form EIA-861 for 1995 and previous years are final. A comparison of preliminary versus final data at the national level for 1995 will be provided in the *Electric Power Annual Volume II* 1996.

- **Electric Power Annual Volume II 1995**

The chapter in the *Electric Power Annual Volume II* for DSM contains data on demand-side management from the Form EIA-861 for 1995 that are preliminary. Data for previous years are final.

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.

Acronyms and Abbreviations

CNEAF - Office of Coal, Nuclear, Electric and Alternate Fuels

DOE - Department of Energy

DSM - Demand-Side Management

EIA - Energy Information Administration

EPACT - Energy Policy Act of 1992

GWh - Gigawatthour

HVAC - Heating, Ventilation, and Air Conditioning

IRP - Integrated Resource Planning

kW - Kilowatt

kWh - Kilowatthour

MW - Megawatt

MWh - Megawatthour

NERC - North American Electric Reliability Council

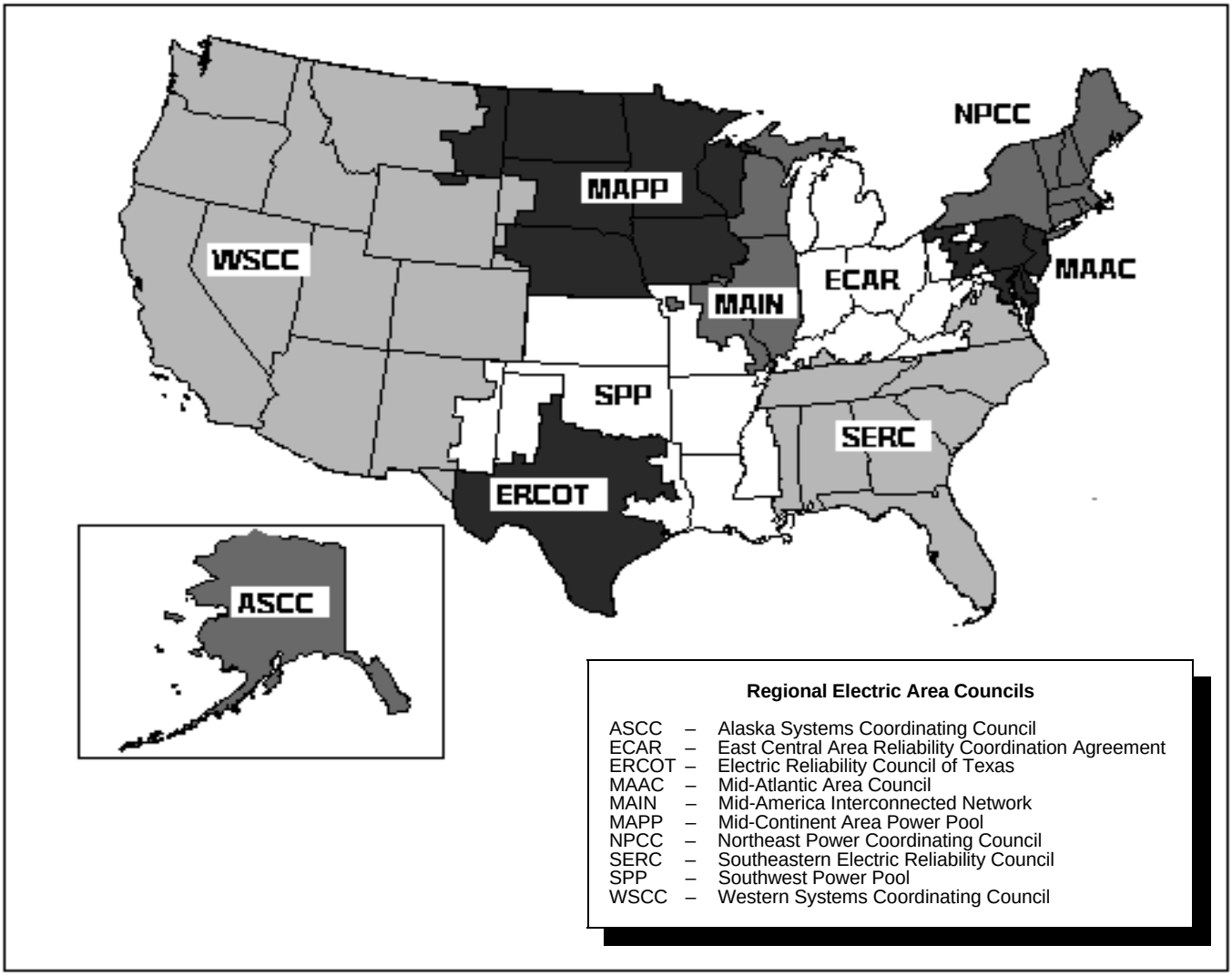
The NERC regions are:

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

NTIS - National Technical Information Service

TOU - Time-of-Use

Figure A1. North American Electric Reliability Council Regions for the Contiguous United States and Alaska



Source: North American Electric Reliability Council.

Obtaining Copies of Data

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

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

The data for 1992, 1993, 1994, and 1995 filed on the Form EIA-861 are also available on the Internet in compressed format through FTP at ftp.eia.doe.gov, or through use of a world-wide-web browser such as Netscape at www.eia.doe.gov, in the /pub/energy subdirectory.

The database may also be purchased on personal computer diskettes (3 1/2 or 5 1/4) using Mastercard or Visa as well as money order or check payable to the U.S. Department of Energy. To place an order, contact:

Office of Scientific and Technical Information
U.S. Department of Energy
Request Services
P.O. Box 62
Oak Ridge, Tennessee 37831
(615) 576-8401 or Fax (615) 576-2865

Table A1. Unit-of-Measure Equivalents

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

Source: Energy Information Administration, Coal and Electric Data and Renewables Division.

Appendix B

Glossary

Appendix B

Glossary

Actual Peak Load Reductions: The actual reduction in annual peak load (measured in kilowatts) achieved by consumers that participate in a utility DSM program. It reflects the real changes in the demand for electricity resulting from a utility DSM program that is in effect at the same time the utility experiences its annual peak load, as opposed to the installed peak load reduction capability (i.e., Potential Peak Load Reduction). It should account for the regular cycling of energy efficient units during the period of annual peak load.

Annual Effects: The total effects in energy use (measured in megawatthours) and peak load (measured in kilowatts) caused by all participants in the DSM programs that are in effect during a given year. It includes new and existing participants in existing programs (those implemented in prior years that are in place during the given year) and all participants in new programs (those implemented during the given year). The effects of new participants in existing programs and all participants in new programs should be based on their start-up dates (i.e., if participants enter a program in July, only the effects from July to December should be reported). If start-up dates are unknown and cannot be reasonably estimated, the effects can be annualized (i.e., assume the participants were initiated into the program on January 1 of the given year). The Annual Effects should consider the useful life of efficiency measures, by accounting for building demolition, equipment degradation and attrition.

Appliances: Energy Efficiency program promotion of high efficiency appliances such as dishwashers, ranges, refrigerators, and freezers in the residential, commercial, and industrial sectors. Includes programs aimed at improving the efficiency of refrigeration equipment and electrical cooking equipment, including replacement. It also includes the promotion and identification of high efficiency appliances in retail stores using a labeling system different from the Federally-mandated Energy Guide. Energy Efficiency program promotion of high efficiency cooling and heating appliances are included under Cooling System and Heating System, respectively.

Asset: An economic resource, tangible or intangible, which is expected to provide benefits to a business.

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

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

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. To receive status as a qualifying facility (QF) under the Public Utility Regulatory Policies Act (PURPA), the facility must produce electric energy and "another form of useful thermal energy through the sequential use of energy," and meet certain ownership, operating, and efficiency criteria established by the Federal Energy Regulatory Commission (FERC). (See the code of Federal Regulations, Title 18, Part 292.)

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

Commercial: The commercial sector is generally defined as nonmanufacturing business establishments, including hotels, motels, restaurants, wholesale businesses, retail stores, and health, social, and educational institutions. The utility may classify commercial service as all consumers whose demand or annual use exceeds some specified limit. The limit may be set by the utility based on the rate schedule of the utility.

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

Conservation and Other DSM: This Demand-Side Management category represents the amount of consumer peak load reduction at the time of system peak due to utility programs that reduce consumer load during many hours of the year. Examples include utility rebate and shared savings activities for the installation of energy efficient appliances, lighting and electrical machinery, and weatherization materials. In addition, this category includes all other Demand-Side Management activities, such as thermal

storage, time-of-use rates, fuel substitution, measurement and evaluation, and any other utility-administered Demand-Side Management activity designed to reduce demand and/or electricity use.

Cooling System: Energy Efficiency program promotion aimed at improving the efficiency of the cooling delivery system, including replacement, in the residential, commercial, or industrial sectors.

Cooperative Electric Utility: An electric utility legally established to be owned by and operated for the benefit of those using its service. 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 Federal income tax laws. Most electric cooperatives have been initially financed by the Rural Electrification Administration, U.S. Department of Agriculture.

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-Side Management: The planning, implementation, and monitoring of utility activities designed to encourage consumers to modify patterns of electricity usage, including the timing and level of electricity demand. It refers only to energy and load-shape modifying activities that are undertaken in response to utility-administered programs. It does not refer to energy and load-shape changes arising from the normal operation of the marketplace or from government-mandated energy-efficiency standards. Demand-Side Management (DSM) covers the complete range of load-shape objectives, including strategic conservation and load management, as well as strategic load growth.

Demand-Side Management Cost: The cost incurred by the utility to achieve the capacity and energy savings from the Demand-Side Management Program. Costs (expenditures) incurred by consumers or third parties are to be excluded. The costs are to be reported in nominal dollars in the year in which they are incurred, regardless of when the savings occur. Program costs include expensed items incurred to implement the program, incentive payments provided to consumers to install Demand-Side Management measures, and annual operation and maintenance expenses incurred during the year. Utility costs that are general, administrative, or not specific to a particular Demand-Side Management category are to be included in "other" costs.

Direct Load Control: Refers to program activities that can interrupt consumer load at the time of annual peak load by direct control of the utility system operator by interrupting power supply to individual appliances or equipment on consumer premises. This type of control usually involves residential consumers. Direct Load Control excludes Interruptible Load and Other Load Management effects. (Direct Load Control, as defined here, is synonymous with Direct Load Control Management reported to the North American Electric Reliability Council on the voluntary Office of Energy Emergency Operations Form OE-411, "Coordinated Regional Bulk Power Supply Program Report," with the exception that annual peak load effects are reported here and seasonal (i.e., summer and winter) peak load effects are reported on the OE-411.)

Direct Utility Cost: A utility cost that is identified with one of the DSM program categories (i.e., Energy Efficiency, Direct Load Control, Interruptible Load, Other Load Management, Other DSM Programs, Load Building).

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 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 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 (PURPA) are not considered electric utilities.

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 Charge: That portion of the charge for electric service based upon the electric energy (kWh) consumed or billed.

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

Energy Effects: The changes in aggregate electricity use (measured in megawatthours) for customers that participate in a utility DSM program. Energy Effects should represent changes at the consumer meter (i.e. exclude transmission and distribution effects) and reflect only activities that are undertaken specifically in response to utility-administered programs, including those activities implemented by third parties under contract to the utility. To the extent possible,

Energy Effects should exclude non-program related effects such as changes in energy usage attributable to nonparticipants, government-mandated energy-efficiency standards that legislate improvements in building and appliance energy usage, changes in consumer behavior that result in greater energy use after initiation in a DSM program, the natural operations of the marketplace, and weather and business-cycle adjustments.

Energy Efficiency: Refers to programs that are aimed at reducing the energy used by specific end-use devices and systems, typically without affecting the services provided. These programs reduce overall electricity consumption (reported in megawatthours), often without explicit consideration for the timing of program-induced savings. Such savings are generally achieved by substituting technically more advanced equipment to produce the same level of end-use services (e.g., lighting, heating, motor drive) with less electricity. Examples include high-efficiency appliances, efficient lighting programs, high-efficiency heating, ventilating and air conditioning (HVAC) systems or control modifications, efficient building design, advanced electric motor drives, and heat recovery systems.

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

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

Expenditure: The incurrence of a liability to obtain an asset or service.

Facility: An existing or planned location or site at which prime movers, electric generators, and/or equipment for converting mechanical, chemical, and/or nuclear energy into electric energy are situated, or will be situated. A facility may contain more than one generator of either the same or different prime mover type. For a cogenerator, the facility includes the industrial or commercial process.

Federal Energy Regulatory Commission (FERC): A quasi-independent regulatory agency within the Department of Energy having jurisdiction over interstate electricity sales, wholesale electric rates, hydroelectric licensing, natural gas pricing, oil pipeline rates, and gas pipeline certification.

Federal Power Commission: The predecessor agency of the Federal Energy Regulatory Commission. The Federal Power Commission (FPC) 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. The FPC was abolished on September 20, 1977, when the Department of Energy was created. The functions of the FPC were divided between the Department of Energy and the Federal Energy Regulatory Commission.

FERC: The Federal Energy Regulatory Commission.

Firm Power: Power or power-producing capacity intended to be available at all times during the period covered by a guaranteed commitment to deliver, even under adverse conditions.

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 due to unanticipated breakdown.

Generating Unit: Any combination of physically connected generator(s), reactor(s), boiler(s), combustion turbine(s), or other prime mover(s) operated together to produce electric power.

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

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

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

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

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

Grid: The layout of an electrical distribution system.

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

Heating System: Energy Efficiency program promotion aimed at improving the efficiency of the heating delivery system, including replacement, in the residential, commercial, or industrial sectors.

Incremental Effects: The annual effects in energy use (measured in megawatthours) and peak load (measured in kilowatts) caused by new participants in existing DSM programs and all participants in new DSM programs during a given year. Reported Incremental Effects should be annualized to indicate the program effects that would have occurred had these participants been initiated into the program on January 1 of the given year. Incremental effects are not simply the Annual Effects of a given year minus

the Annual Effects of the prior year, since these net effects would fail to account for program attrition, degradation, demolition, and participant dropouts.

Indirect Utility Cost: A utility cost that may not be meaningfully identified with any particular DSM program category. Indirect costs could be attributable to one of several accounting cost categories (i.e., Administrative, Marketing, Monitoring & Evaluation, Utility-Earned Incentives, Other). Accounting costs that are known DSM program costs should not be reported under Indirect Utility Cost, rather those costs should be reported as Direct Utility Costs under the appropriate DSM program category.

Industrial: The industrial sector is generally defined as manufacturing, construction, mining agriculture, fishing and forestry establishments (Standard Industrial Classification (SIC) codes 01-39). The utility may classify industrial service using the SIC codes, or based on demand or annual usage exceeding some specified limit. The limit may be set by the utility based on the rate schedule of the utility.

Interruptible Load: Refers to program activities that, in accordance with contractual arrangements, can interrupt consumer load at times of seasonal peak load by direct control of the utility system operator or by action of the consumer at the direct request of the system operator. It usually involves commercial and industrial consumers. In some instances the load reduction may be affected by direct action of the system operator (remote tripping) after notice to the consumer in accordance with contractual provisions. For example, loads that can be interrupted to fulfill planning or operation reserve requirements should be reported as Interruptible Load. Interruptible Load as defined here excludes Direct Load Control and Other Load Management. (Interruptible Load, as reported here, is synonymous with Interruptible Demand reported to the North American Electric Reliability Council on the voluntary Office of Energy Emergency Operations Form OE-411, "Coordinated Regional Bulk Power Supply Program Report," with the exception that annual peak load effects are reported on the Form EIA-861 and seasonal (i.e., summer and winter) peak load effects are reported on the OE-411).

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Liability: An amount payable in dollars or by future services to be rendered.

Load Building: Refers to programs that are aimed at increasing the usage of existing electric equipment or the addition of electric equipment. Examples include industrial technologies such as induction heating and melting, direct arc furnaces and infrared drying; cooking for commercial establishments; and heat pumps for residences. Load Building should include programs that promote electric fuel substitution. Load Building effects should be reported as a negative number, shown with a minus sign.

Marketing Cost: Expenses directly associated with the preparation and implementation of the strategies designed to encourage participation in a DSM program. The category excludes general market and load research costs.

Monitoring & Evaluation Cost: Expenditures associated with the planning, collection, and analysis of data used to assess program operation and effects. It includes the activities such as load metering, customer surveys, new technology testing, and program evaluations that are intended to establish or improve the ability to monitor and evaluate the impacts of DSM programs, collectively or individually.

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

Megawatt (MW): One million watts.

Megawatthour (MWh): One million watthours.

Net Capability: The maximum load-carrying ability of the equipment, exclusive of station use, under specified conditions for a given time interval, independent of the characteristics of the load. (Capability is determined by design characteristics, physical conditions, adequacy of prime mover, energy supply, and operating limitations such as cooling and circulating water supply and temperature, headwater and tailwater elevations, and electrical use.)

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

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

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

New Construction: Energy-efficiency program promotion to encourage the building of new homes, buildings, and plants to exceed standard government-mandated energy efficiency codes; it may include major renovations of existing facilities.

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

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

regional reliability councils and encompasses essentially all the power regions of the contiguous United States, Canada, and Mexico. The NERC Regions are:

ASCC - Alaskan System Coordination Council

ECAR - East Central Area Reliability Coordination Agreement

ERCOT - Electric Reliability Council of Texas

MAIN - Mid-America Interconnected Network

MAAC - Mid-Atlantic Area Council

MAPP - Mid-Continent Area Power Pool

NPCC - Northeast Power Coordinating Council

SERC - Southeastern Electric Reliability Council

SPP - Southwest Power Pool

WSCC - Western Systems Coordinating Council

Other Costs: A residual category to capture the Indirect Costs of DSM programs that cannot be meaningfully included in any of the other cost categories listed and defined herein. Included are costs such as those incurred in the research and development of DSM technologies.

Other DSM Programs: A residual category to capture the effects of DSM programs that cannot be meaningfully included in any of the program categories listed and defined herein. The energy effects attributable to this category should be the net effects of all the residual programs. Programs that promote consumer's substitution of electricity by other energy types should be included in Other DSM Programs. Also, self-generation should be included in Other DSM Programs to the extent that it is not accounted for as backup generation in Other Load Management or Interruptible Load categories.

Other Incentives: Energy Efficiency programs that offer cash or noncash awards to electric energy efficiency deliverers, such as appliance and equipment dealers, building contractors, and architectural and engineering firms, that encourage consumer participation in a DSM program and adoption of recommended measures.

Other Load Management: Refers to programs other than Direct Load Control and Interruptible Load that limit or shift peak load from on-peak to off-peak time periods. It includes technologies that primarily shift all or part of a load from one time-of-day to another and secondarily may have an impact on energy consumption. Examples include space heating and water heating storage systems, cool storage systems, and load limiting devices in energy management systems. This category also includes programs that aggressively promote time-of-use (TOU) rates and other innovative rates such as real time pricing. These rates are intended to reduce consumer bills and shift hours of operation of equipment from on-peak to off-peak periods through the application of time-differentiated rates.

Outage: The period during which a generating unit, transmission line, or other facility is out of service.

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

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

Percent Difference: The relative change in a quantity over a specified time period. It is calculated as follows: the current value has the previous value subtracted from it; this new number is divided by the absolute value of the previous value; then this new number is multiplied by 100.

Planned Generator: A proposal by a company to install electric generating equipment at an existing or planned facility or site. The proposal is based on the owner having obtained (1) all environmental and regulatory approvals, (2) a signed contract for the electric energy, or (3) financial closure for the facility.

Potential Peak Load Reduction: The amount of annual peak load reduction capability (measured in kilowatts) that can be deployed from Direct Load Control, Interruptible Load, Other Load Management, and Other DSM Program activities. It represents the load that can be reduced either by the direct control of the utility system operator or by the consumer in response to a utility request to curtail load. It reflects the installed load reduction capability, as opposed to the Actual Peak Reduction achieved by participants, during the time of annual system peak load.

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

Power Pool: An association of two or more interconnected electric systems having an agreement to coordinate operations and planning for improved reliability and efficiencies.

Process Heating: Energy Efficiency program promotion of increased electric energy efficiency applications in industrial process heating.

Public Street and Highway Lighting: Public street and highway lighting includes electricity supplied and services rendered for the purposes of lighting streets, highways, parks, and other public places; or for traffic or other signal system service, for municipalities, or other divisions or agencies of State or Federal governments.

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.

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.

Regulation: The governmental function of controlling or directing economic entities through the process of rulemaking and adjudication.

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

Residential: The residential sector is defined as private household establishments which 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.

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

Revenue: The total amount of money received by a firm from sales of its products and/or services, gains from the sales or exchange of assets, interest and dividends earned on investments, and other increases in the owner's equity except those arising from capital adjustments.

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

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

Standard Industrial Classification (SIC): A set of codes developed by the Office of Management and Budget, which categorizes business into groups with similar economic activities.

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

Total DSM Cost: Refers to the sum of total utility cost and nonutility cost.

Total DSM Programs: Refers to the total net effects of all the utility's DSM programs. For the purpose of this survey, it is the sum of the effects for Energy Efficiency, Direct Load Control, Interruptible Load, Other Load Management, Other DSM Programs, and Load Building. Net growth in energy or load effects should be reported as a negative number, shown with a minus sign.

Total Nonutility Costs: Refers to total cash expenditures incurred by consumers and trade allies that are associated with participation in a DSM program, but that are not reimbursed by the utility. The nonutility expenditures should include only those additional costs necessary to purchase or install an efficient measure relative to a less efficient one. Costs are to be reported in nominal dollars in the year in which they are incurred, regardless of when the actual effects occur. To the extent possible, respondents are asked to provide the best estimate of nonutility costs if actual costs are unavailable.

Total Utility Costs: Refers to the sum of the total Direct and Indirect Utility Costs for the year. Utility costs should reflect the total cash expenditures for the year, reported in nominal dollars, that flowed out to support DSM programs. They should be reported in the year they are incurred, regardless of when the actual effects occur.

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

Transmission System (Electric): An interconnected group of electric transmission lines and associated equipment for moving or transferring electric energy in bulk between points of supply and points at which it is transformed for delivery over the distribution system lines to consumers, or is delivered to other electric systems.

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.

Utility-Earned Incentives: Costs in the form of incentives paid to the utility for achievement in consumer participation in DSM programs. These financial incentives are intended to influence the utility's consideration of DSM as a resource option by addressing cost recovery, lost revenue, and profitability.

Voltage Reduction: Any intentional reduction of system voltage by 3 percent or greater for reasons of maintaining the continuity of service of the bulk electric power supply system.

Water Heating: Energy Efficiency program promotion to increase efficiency in water heating, including low-flow shower heads and water heater insulation wraps. Could be applicable to residential, commercial, or industrial consumer sectors.

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

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

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

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