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*Our thoughts are with  
the families of  
Monday's airplane  
disaster*



## Utility Deregulation a Bust For Energy Efficiency Programs

Consumers Pay \$ Billions More for Power,  
Breathe Dirtier Air,  
Finds New Report of Industry Data from 1992-1997

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For Immediate Release

Thursday, October 1, 1998

WASHINGTON--By cutting energy efficiency programs almost in half, electric utilities are sticking consumers with bigger electric bills and dirty air, concludes *Unplugged*, a new study by the Environmental Working Group and World Wildlife Fund.

To raise profits in a deregulated energy market, utilities are eliminating or drastically cutting these programs which save consumers money and reduce air pollution and greenhouse gas emissions. As a result, consumers paid an extra \$1 billion each year for the next decade due to cuts in energy efficiency investments, concludes the report.

The report ranked the nation's largest utilities on their commitment to energy efficiency programs and found a wide variation between power companies and regions of the country. For example, the City of Eugene, OR, whose utility serves some 73,000 customers, invested more in energy efficiency than the combined outlay of Southern Company, Entergy, Commonwealth Edison, and American Electric Power, which serve more than 12 million customers. Forty-two of the largest electric utilities completely eliminated their investments in energy efficiency.

"Utilities are putting profits ahead of their customers' interests," said John Coequyt of EWG, author of the report, "and to keep up with soaring demand, utilities have turned to antiquated, dirty power plants. Competition among electric utilities should not come at the cost of higher bills for consumers and dirty air."

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*Unplugged* is based on documents utilities must file with the U.S. Department of Energy and finds that cuts in energy efficiency programs totaled \$736 million between 1993 and 1997. The cuts have also meant dirtier air across the U.S. According to the study, if energy efficiency programs had been fully funded in 1997 utilities would have avoided emitting 11 million tons of global warming gases and 79,000 tons of soot and smog-forming pollutants.

"Consumers are getting more than they bargained for from their utility companies -- more pollution, and more greenhouse gases," said Adam Markham, director of WWF's Climate Change Campaign. "Consumers want more energy efficiency and cleaner air, but our utilities, which should be on the front lines of America's effort to halt global warming, are letting us down."

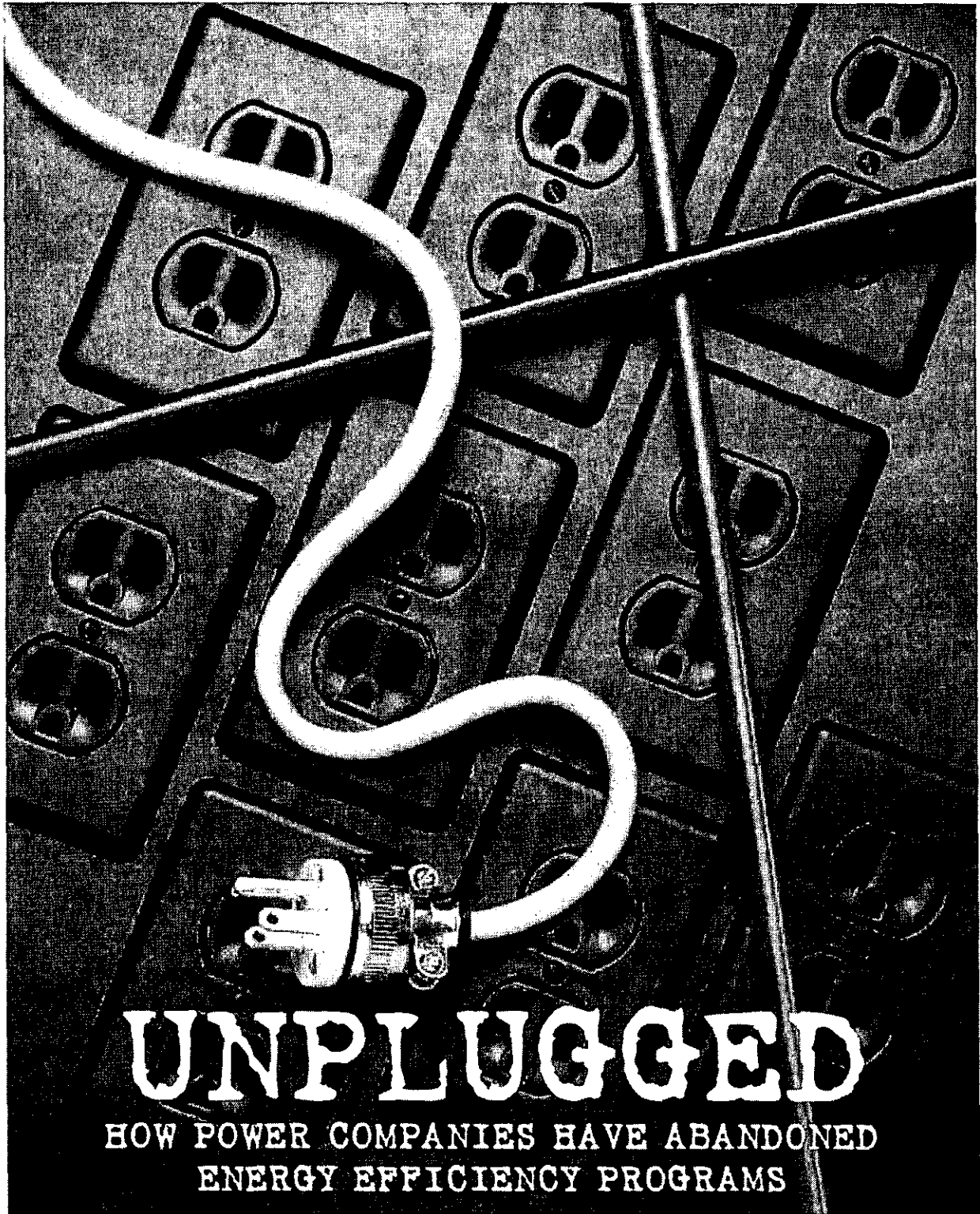
The utilities have eliminated a range of energy efficiency programs including home energy efficiency audits and rebates for new energy efficient appliances, such as water heaters, light bulbs, showerheads, and refrigerators. These strategies are proven to cut energy usage and pollution. For example, compact fluorescent light bulbs use one-quarter the electricity of incandescent bulbs. Replacing just one incandescent light bulb will save a consumer \$50 and reduce carbon emissions by 1,000 pounds over the life of the bulb.

The report recommends all states create a public benefits fund in which a small percentage of consumers' bills is set aside for energy efficiency programs.

Although the most immediate consumer benefit of energy efficiency programs is economic, "far more than electric bills are at stake," noted Markham. "Global warming is a pervasive and ever growing threat to all life on Earth and the ecosystems that support it. Utility companies can and must play a role in reducing that threat," he said.

Environmental Working Group, a project of the Tides Center, is a non-profit research organization with offices in Washington, DC, and San Francisco. Known around the globe by its panda logo, World Wildlife Fund is the world's largest conservation organization; it leads international efforts to protect endangered species and their habitats through its Living Planet Campaign.

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# UNPLUGGED

HOW POWER COMPANIES HAVE ABANDONED  
ENERGY EFFICIENCY PROGRAMS



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## Environmental Working Group

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# Unplugged

## Hot Enough For You?

The summer of 1998 was the hottest on record, and that's saying something. After all, the seven warmest years since scientists began keeping records in 1853 have all occurred in the past ten years, and 1997 was the warmest ever. So far, every month of 1998 has broken the temperature record for that month, and July 1998 was the single hottest month on record (NOAA 1998). To put it another way, we've probably just lived through the hottest seven-month period in 600 years.

Among scientists, there is a overwhelming consensus that this warming trend is at least partly the result of human activities such as electricity production, which annually spews billions of tons of greenhouse gases like carbon dioxide and other pollutants into the atmosphere.

In the face of these growing problems utilities should be working overtime to increase energy efficiency. But between 1993 and 1997, U.S. utilities cut their combined investment in energy-saving programs by 45

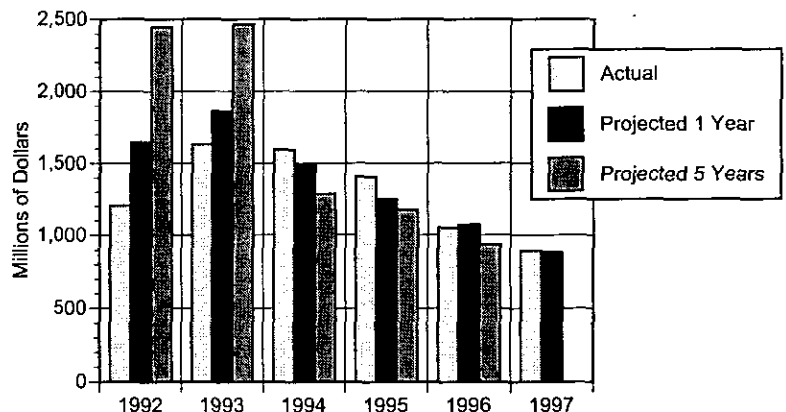
percent, or \$736 million, largely in response to industry deregulation (Figure 1). After promising in the early 1990s to fund and even expand energy conservation programs for their customers, most utilities have done just the opposite (Table 1).

If utilities had funded energy efficiency programs in 1997 at the levels they promised five years earlier:

- **The air would be cleaner.**  
Utilities would have avoided emitting 11 million

**Between 1993 and 1997, U.S. utilities cut their combined investment in energy-saving programs by 45 percent, or \$736 million, largely in response to industry deregulation.**

**Figure 1. Utilities have drastically cut their investments in energy efficiency programs.**



Source: Environmental Working Group. Compiled from Department of Energy, Energy Information Administration Data Form 861, 1992-1997.

**Table 1. Without deregulation, utilities would have spent much more on energy efficiency in 1997.**

Rank	Utility	State	Energy Efficiency Expenditures		Difference (\$ in thousands)
			1992 Projected Spending for 1997 (\$ in thousands)	Actual Spending (\$ in thousands)	
1	PacifiCorp	OR/WA	160,226	4,982	155,244
2	Pacific Gas & Electric Co	CA	185,000	81,123	103,877
3	Public Service Electric&Gas Co	NJ	140,000	38,808	101,192
4	Consolidated Edison Co-NY Inc	NY	119,278	25,656	93,622
5	Southern California Edison Co	CA	131,361	53,574	77,787
6	Consumers Power Co	MI	63,195	-	63,195
7	Massachusetts Electric Co	MA	102,800	45,620	57,180
8	Puget Sound Power & Light Co	WA	58,749	4,174	54,575
9	Duke Power Co	NC/SC	45,053	-	45,053
10	Los Angeles City of	CA	41,862	-	41,862
11	Baltimore Gas & Electric Co	MD	68,489	27,791	40,698
12	Northern States Power Co	MN/ND	64,890	24,548	40,342
13	Georgia Power Co	GA	34,996	-	34,996
14	Potomac Electric Power Co	DC/MD	63,424	29,562	33,862
15	New York State Elec & Gas Corp	NY	35,618	2,448	33,170
16	Pennsylvania Electric Co	PA/NY	30,200	498	29,702
17	Wisconsin Electric Power Co	WI/MI	29,497	-	29,497
18	Dayton Power & Light Co	OH	34,000	4,783	29,217
19	Sacramento Municipal Util Dist	CA	41,450	17,379	24,071
20	Boston Edison Co	MA	37,185	13,542	23,643
21	Niagara Mohawk Power Corp	NY	21,882	635	21,247
22	Jersey Central Power&Light Co	NJ	28,704	8,073	20,631
23	San Diego Gas & Electric Co	CA	43,537	24,330	19,207
24	Connecticut Light & Power Co	CT	51,461	32,691	18,770
25	PSI Energy Inc	IN	21,928	4,742	17,186
26	Appalachian Power Co	WV/VA	15,869	-	15,869
27	Montana Power Co	MT/WY	17,972	2,923	15,049
28	Hawaiian Electric Co Inc	HI	21,056	6,515	14,541
29	Orange & Rockland Utils Inc	NY	16,745	2,613	14,132
30	Detroit Edison Co	MI	13,950	-	13,950
31	Narragansett Electric Co	RI	22,240	8,493	13,747
32	Wisconsin Public Service Corp	WI/MI	16,000	2,480	13,520
33	United Illuminating Co	CT	15,950	2,742	13,208
34	Ohio Power Co	OH	13,106	-	13,106
35	Rochester Gas & Electric Corp	NY	12,137	-	12,137
36	Central Maine Power Co	ME	24,549	12,494	12,055
37	Long Island Lighting Co	NY	18,198	6,396	11,802
38	Portland General Electric Co	OR	22,328	10,923	11,405
39	Montaup Electric Co	MA	11,376	-	11,376
40	Columbus Southern Power Co	OH	10,555	500	10,055
41	Southern Indiana Gas & Elec Co	IN	9,590	131	9,459
42	Indiana Michigan Power Co	IN/MI	9,445	-	9,445
43	Florida Power Corp	FL	15,020	5,638	9,382
44	Puerto Rico Electric Pwr Auth	PR	9,460	89	9,371
45	Seattle City of	WA	23,300	13,938	9,362
46	Central Hudson Gas & Elec Corp	NY	9,718	413	9,305
47	Washington Water Power Co	WA/ID	12,524	3,225	9,299
48	Philadelphia Electric Co	PA	8,417	-	8,417
49	PUD No 1 of Snohomish County	WA	8,061	-	8,061
50	Public Service Co of Colorado	CO	11,000	2,972	8,028

Source: Environmental Working Group. Compiled from Department of Energy, Energy Information Administration Data Form 861, 1992-1997.

tons of global warming gases and 79,000 tons of air pollution in 1997 alone. Thanks largely to deregulation, utilities are increasingly turning to cheap power from older coal-burning power plants in the Midwest to meet peak electricity demand. These huge power stations are mostly exempt from contemporary clean air standards, and they generate enormous amounts of air pollution including millions of tons of nitrous oxides, sulfur dioxide, and global warming gases. According to a recent analysis, the air quality was the worst when power shortages were the most prevalent (CAN/U.S. PIRG 1998). On June 25, 1998, the day many Midwestern utilities asked customers to cut their power usage, there were 110 violations of the new ozone air quality standard in 27 states and the District of Columbia.

- **Consumers would save money.** Americans would have saved \$1 billion on electric bills in 1997. These savings would have continued every year for the next 10 to 15 years, a total of at least \$10 billion

in consumer savings lost due to cuts in energy efficiency programs by utilities, inspired largely by utility deregulation.

- **Power would be available when people need it.** With well-funded energy efficiency programs in place, utilities would very likely not have had to ask customers to turn down their air conditioners in the peak of the summer heat wave in June. This past summer, two utilities that slashed their energy efficiency spending, Commonwealth Edison of Chicago and American Electric Power<sup>1</sup> asked their customers to cut daytime power use during the peak of the summer heat wave in June. In Denver, Public Service of Colorado instituted a "rolling blackout" plan, and thousands of families were forced to endure the heat without any power at all.

#### **Cuts in Energy Efficiency Programs are Big, and they Hurt Consumers**

Since the October 1992 passage of the Energy Policy Act, the federal law that paved the way for the industry deregulation, utilities have cut investments in

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<sup>1</sup>American Electric Power (AEP) is an electric holding company that operates in 7 states. AEP's principal operating companies are Appalachia Power Company which serves Virginia and West Virginia, Columbus Southern Power Company in Ohio, Indiana Michigan Power Company, Kentucky Power Company, and Ohio Power Company.

**Table 2. Cuts in energy efficiency programs cost consumers money.**

Rank	Utility Name	State	Projected Savings in 1992 for 1997 (Mwh)	Actual Savings in 1997 (Mwh)	Cost to Customers
1	PacifiCorp	OR/WY	2,880,000	89,562	\$131 million
2	Consumers Power Co	MI	1,349,000	-	\$93 million
3	Consolidated Edison Co-NY Inc	NY	638,000	137,270	\$70 million
4	Southern California Edison Co	CA	1,170,000	477,028	\$70 million
5	Los Angeles City of	CA	710,000	-	\$67 million
6	New York State Elec & Gas Corp	NY	608,000	41,758	\$66 million
7	Public Service Electric&Gas Co	NJ	832,000	230,595	\$60 million
8	Niagara Mohawk Power Corp	NY	648,000	18,792	\$59 million
9	Pacific Gas & Electric Co	CA	941,000	412,593	\$52 million
10	Pennsylvania Electric Co	PA/NY	569,000	9,388	\$41 million
11	Wisconsin Electric Power Co	WI/MI	666,000	-	\$35 million
12	Appalachian Power Co	WV/VA	421,000	-	\$20 million
13	Massachusetts Electric Co	MA	358,000	159,001	\$20 million
14	Hawaiian Electric Co Inc	HI	233,000	72,224	\$18 million
15	Northern States Power Co	MN/ND	472,000	178,416	\$17 million
16	Jersey Central Power&Light Co	NJ	205,000	57,578	\$17 million
17	Dayton Power & Light Co	OH	294,000	41,403	\$17 million
18	Indiana Michigan Power Co	IN	294,000	-	\$16 million
19	Wisconsin Public Service Corp	WI/MI	381,000	59,051	\$15 million
20	Puget Sound Power & Light Co	WA	235,000	16,723	\$12 million
21	Sierra Pacific Power Co	CA	150,000	-	\$10 million
22	United Illuminating Co	CT	98,000	16,905	\$9 million
23	Duke Power Co	NC/SC	159,000	-	\$9 million
24	Baltimore Gas & Electric Co	MD/DC	196,000	79,613	\$8 million
25	Long Island Lighting Co	NY	80,000	28,124	\$8 million
26	Detroit Edison Co	MI	100,000	-	\$8 million
27	Potomac Electric Power Co	DC	193,000	90,087	\$7 million
28	Ohio Power Co	OH	162,000	-	\$7 million
29	Montana Power Co	MT/WY	149,000	24,254	\$7 million
30	Public Service Co of Colorado	CO	135,000	36,391	\$6 million
31	Rochester Gas & Electric Corp	NY	59,000	-	\$6 million
32	Arizona Public Service Co	AZ	63,000	-	\$5 million
33	Cincinnati Gas & Electric Co	OH	106,000	22,630	\$5 million
34	Narragansett Electric Co	RI	77,000	29,439	\$5 million
35	Sacramento Municipal Util Dist	CA	112,000	46,828	\$5 million
36	Cleveland Electric Illum Co	OH	57,000	-	\$5 million
37	Florida Power Corp	FL	109,000	40,737	\$5 million
38	PUD No 2 of Grant County	WA	236,000	26,150	\$5 million
39	Connecticut Light & Power Co	CT	125,000	79,626	\$5 million
40	Columbus Southern Power Co	OH	72,000	3,406	\$4 million
41	Georgia Power Co	GA	71,000	-	\$4 million
42	Portland General Electric Co	OR	152,000	74,423	\$4 million
43	South Carolina Electric&Gas Co	SC	56,000	-	\$3 million
44	Central Maine Power Co	ME	68,000	34,644	\$3 million
45	Central Vermont Pub Serv Corp	VT	38,000	10,553	\$3 million
46	Omaha Public Power District	NE	50,000	335	\$3 million
47	Washington Water Power Co	WA/ID	75,000	19,270	\$3 million
48	Tallahassee City of	FL	48,000	13,334	\$3 million
49	PSI Energy Inc	IN	68,000	14,676	\$3 million
50	Green Mountain Power Corp	VT	38,000	9,727	\$3 million

Source: Environmental Working Group. Compiled from Department of Energy, Energy Information Administration Data Form 861, 1992-1997. Projected savings estimated from actual costs of energy efficiency programs for each utility, and 1992 projections of investment in energy efficiency programs for 1997. Cost to customer based on each utility's average electric rate.



energy efficiency programs by 45 percent. In 1992, in disclosures required by the Department of Energy, utilities projected investing \$2.4 billion on conservation in 1997. In fact, they spent only \$894 million.

This means that actual spending on energy efficiency in 1997 was well less than half of one percent of the \$276 billion in revenues reported by the utilities. Although the cost to the utilities of providing these energy-saving programs would have been minuscule compared to their revenues, fully funded efficiency programs would have saved customers \$1 billion in 1997 (Table 2), and those investments would have continued to save customers money for the next 10 to 15 years.

Both American Electric Power (AEP) and Commonwealth Edison, utilities that asked customers to turn off their air conditioners to avoid blackouts this summer, cut their investments in energy efficiency in 1997. Commonwealth Edison cut its program entirely, as did every AEP operating company except Columbus Southern. In fact, AEP paid its president and CEO, Linn Draper, four times more in 1997 (\$2 million) than its ten operating companies combined spent on energy efficiency in the same year (\$500,000) (AEP 1997).

The efficiency programs that utilities cut range from home energy efficiency audits and other forms of consumer educa-

tion to rebates (or low-interest loans) for the purchase of new products such as efficient water heaters, lights, shower heads, air conditioners, and heat pumps. Many of these programs save customers substantial amounts of money.

Simple efforts like replacing ordinary incandescent light bulbs with compact fluorescent bulbs that use one-quarter the energy can save customers \$50 per bulb over the life of the bulb. If every household in America replaced just one ordinary bulb in this way, carbon dioxide emissions could be reduced by nearly 5 million tons a year. Replacing old refrigerators can also provide easy savings. The Chicago Housing Authority replaced old refrigerators with new, more efficient units, and will save more than \$500,000 on its electric bill in 1998. Home weatherization programs often produce savings in excess of 25 percent. For example, the Department of Energy's Weatherization Assistance Program saves customers an average of \$193 per dwelling annually and returns \$1.80 per dollar invested.

Cutting energy efficiency keeps electric bills unnecessarily high and forces utilities to generate more power to serve inefficient homes and businesses. Inefficient use of power also means that less power is available when people really need it, during summertime heat waves. As the global warming trend continues, we need to invest

**Spending on energy efficiency in 1997 was well less than half of one percent of the \$276 billion in revenues reported by the utilities.**

**American Electric Power paid its president and CEO, Linn Draper, four times more in 1997 (\$2 million) than its ten operating companies combined spent on energy efficiency in the same year (\$500,000).**

**Movement toward the deregulation of the retail power market has led to cuts in energy efficiency programs.**

more in energy efficiency, not less. Global warming will not only change the weather and damage agriculture and natural habitats, but may also exacerbate the health effects of air pollution. Hotter summers may result in increased smog formation and more build-up of pollutants in urban air masses during heat waves. No one benefits from energy efficiency cuts.

### **Deregulation Has Driven Cuts in Energy Efficiency Programs**

Few people realize that the power that utilities *buy* from each other is already deregulated. This is known in the industry as "wholesale" deregulation. Congress and the states, meanwhile, are struggling to deregulate the decades-old system by which power utilities *sell* electricity to their customers — the "retail" end of the electricity industry. While it is highly unlikely that any legislation will pass Congress this year, 13 states have already passed laws and four states have issued commission orders that deregulate their electric industries.

This movement toward the deregulation of the retail power market has led to cuts in energy efficiency programs. Some utilities have explicitly stated in their filings with the Department of Energy that they have cut their energy efficiency programs to prepare for the deregulation of the electricity market. For example, two of Allegheny Power System's four operating compa-

nies, Monongahela Power, which serves Ohio and West Virginia, and West Penn Power, stated in their DOE filing that they were canceling their energy efficiency programs because of increased competition in the industry. American Electric Power said it was trimming its demand-side management programs in anticipation of the emerging competitive market. Other utilities, like Georgia Power, claim that they are cutting these programs because they have determined that they are not cost-effective in a deregulated market.

In the past, through a combination of market forces and progressive regulation, some utilities had an incentive to promote energy efficiency. Because most state regulators allowed utilities to purchase power only in special circumstances and not as a day-to-day method of supplying their customers, the cost of energy efficiency was balanced against the high cost of building new power plants. Energy efficiency programs helped utilities avoid the costs of new construction, and many utilities were refunded with interest for their investment in energy efficiency programs just as they would have been for a new power plant. In the process, consumers saved money and reduced pollution.

Now, due to wholesale power deregulation, utilities no longer compare energy efficiency programs to the costs of

**Table 3. Fifty-two utilities with revenues over \$1 billion spent less than half of one percent of their total revenues on energy efficiency programs in 1997.**

Utility	State	Total Revenue (\$ in thousands)	Percent spending on efficiency
Commonwealth Edison Co	IL	7,073,086	0.00%
Texas Utilities Electric Co	TX	6,135,417	0.24%
Tennessee Valley Authority	TN	5,753,883	0.22%
Consolidated Edison Co-NY Inc	NY	5,646,917	0.45%
Virginia Electric & Power Co	VA/NC	4,797,946	0.06%
Georgia Power Co	GA	4,383,320	0.00%
Duke Power Co	NC/SC	4,296,181	0.00%
Houston Lighting & Power Co	TX	4,251,243	0.06%
Philadelphia Electric Co	PA	4,166,069	0.00%
PacifiCorp	OR/WA	3,683,923	0.14%
Detroit Edison Co	MI	3,619,178	0.00%
Niagara Mohawk Power Corp	NY	3,307,601	0.02%
Alabama Power Co	AL	3,149,110	0.00%
Pennsylvania Power & Light Co	PA	3,047,659	0.00%
Consumers Power Co	MI	2,512,792	0.00%
Long Island Lighting Co	NY	2,480,747	0.26%
Florida Power Corp	FL	2,448,436	0.23%
Los Angeles City of	CA	2,332,904	0.00%
Union Electric Co	MO/IL	2,188,571	0.10%
Ohio Edison Co	OH	2,168,775	0.20%
Jersey Central Power&Light Co	NJ	2,093,972	0.39%
Gulf States Utilities Co	TX/LA	2,067,485	0.00%
Ohio Power Co	OH	1,975,291	0.00%
PSI Energy Inc	IN	1,958,469	0.24%
Cincinnati Gas & Electric Co	OH	1,908,132	0.11%
Louisiana Power & Light Co	LA	1,803,272	0.00%
New York State Elec & Gas Corp	NY	1,792,164	0.14%
Arizona Public Service Co	AZ	1,790,276	0.00%
Cleveland Electric Illum Co	OH	1,784,728	0.00%
Puerto Rico Electric Pwr Auth	PR	1,734,976	0.01%
Appalachian Power Co	WV/VA	1,720,010	0.00%
Arkansas Power & Light Co	AR/TN	1,715,714	0.00%
New England Power Co	MA/VT	1,677,903	0.00%
Salt River Proj Ag I & P Dist	AZ	1,558,798	0.12%
Public Service Co of Colorado	CO	1,454,717	0.20%
Illinois Power Co	IL	1,419,941	0.00%
Wisconsin Electric Power Co	WI/MI	1,412,115	0.00%
Indiana Michigan Power Co	IN/MI	1,391,917	0.00%
Central Power & Light Co	TX	1,376,283	0.13%
Puget Sound Power & Light Co	WA	1,231,424	0.34%
Oklahoma Gas & Electric Co	OK/AR	1,191,690	0.00%
West Penn Power Co	PA	1,151,242	0.00%
Duquesne Light Co	PA	1,147,233	0.00%
Columbus Southern Power Co	OH	1,139,604	0.04%
MidAmerican Energy Co	IA/SD	1,126,300	0.25%
Public Service Co of NH	NH	1,108,459	0.08%
South Carolina Electric&Gas Co	SC	1,103,091	0.00%
Delmarva Power & Light Co	DE/MD	1,093,883	0.21%
Pennsylvania Electric Co	PA/NY	1,052,935	0.05%
Oglethorpe Power Corp	GA	1,047,784	0.00%
Northern Indiana Pub Serv Co	IN	1,017,083	0.00%
Dayton Power & Light Co	OH	1,014,977	0.47%

Source: Environmental Working Group. Compiled from Department of Energy, Energy Information Administration Data Form 861, 1992-1997.

**Cuts in energy efficiency compound the need for more power.**

new plants. In looking for the cheapest way to meet peaks in demand for power, utilities now compare the cost of energy efficiency programs to the cost of wholesale power. In effect, where they once "paid" customers to use less power, now they can just buy power on the wholesale market.

In this new cost equation, energy efficiency programs are typically the losers. And in the electricity "price wars" that are expected as fully deregulated utilities compete for customers, energy conservation services and the mechanisms that fund them are even more likely to be eliminated. The ultimate loser is the customer, who loses both the savings and the environmental benefits of energy efficiency.

**Utilities often use heavily polluting coal-fired power plants to meet this demand, and in some cases even re-open polluting old facilities that had been mothballed.**

Since 1993, energy efficiency investments at 52 electric utilities with revenues over \$1 billion shrank to less than half of one percent of their total revenues (Table 3). Thirty-eight other large utilities have cut their investment by over 50 percent (Table 4), and 42 have eliminated investments in energy efficiency programs altogether (Table 5).

Even some of the top investors in energy efficiency have cut their energy efficiency programs significantly. In California, the Sacramento Municipal Utility District, which spent 2.4 percent of its revenue on energy efficiency in 1997, cut its funding from \$38 million in 1995 to \$17 million in

1997. San Francisco-based Pacific Gas & Electric, which invested more than any utility on energy efficiency in 1997, cut its funding from nearly \$125 million in 1994 to \$81 million in 1997 (Table 6).

**Deregulation and Cuts in Energy Efficiency Increase Incentives to use Cheap Polluting Power**

Deregulation produces price competition, which has two main effects on utilities. First, it puts pressure on utilities to cut programs like energy efficiency that are no longer seen as profitable in the short term. Cuts in energy efficiency compound the need for more power. Second, as utilities search for more power, deregulation drives them to produce or buy the cheapest power available. Utilities often use heavily-polluting coal-fired power plants to meet this demand, and in some cases even re-open polluting old facilities that had been mothballed (see Sidebar). Many of these huge, coal-fired plants are exempt from the Clean Air Act's most stringent requirements.

Environmental Working Group estimated the reduction in electric usage that would have resulted if utilities had invested \$2.4 billion in energy efficiency programs, as promised, in 1997. By applying the utilities' historical return from their energy efficiency investments to their projected spending for that year, we found that energy savings would have been over 4 times greater if the programs had been funded at the projected levels.

**Table 4. Many large utilities cut their investments in energy efficiency programs by more than 50 percent as a result of wholesale power deregulation.**

Rank	Utility	State	Spending 1993 (\$ in thousands)	Spending 1997 (\$ in thousands)	Percent Reduction
1	Omaha Public Power District	NE	459	7	98%
2	Niagara Mohawk Power Corp	NY	24,944	635	97%
3	New York State Elec & Gas Corp	NY	43,653	2,448	94%
4	Puget Sound Power & Light Co	WA	57,173	4,174	93%
5	Southern Indiana Gas & Elec Co	IN	1,695	131	92%
6	Turlock Irrigation District	CA	805	80	90%
7	Central Hudson Gas & Elec Corp	NY	3,688	413	89%
8	PacifiCorp	OR/WA	41,000	4,982	88%
9	Mississippi Power Co	MS	106	13	88%
10	Cambridge Electric Light Co	MA	2,391	311	87%
11	Washington Water Power Co	WA/ID	22,805	3,225	86%
12	Pennsylvania Electric Co	PA/NY	3,376	498	85%
13	Wisconsin Public Service Corp	WI/MI	16,200	2,480	85%
14	Orange & Rockland Utils Inc	NY	16,078	2,613	84%
15	PSI Energy Inc	IN	25,696	4,742	82%
16	Metropolitan Edison Co	PA	2,803	543	81%
17	Dayton Power & Light Co	OH	23,941	4,783	80%
18	United Illuminating Co	CT	12,414	2,742	78%
19	Consolidated Edison Co-NY Inc	NY	100,162	25,656	74%
20	Long Island Lighting Co	NY	24,932	6,396	74%
21	Kentucky Utilities Co	KY/TN	612	159	74%
22	Anaheim City of	CA	506	135	73%
23	Central Vermont Pub Serv Corp	VT	5,908	1,587	73%
24	Idaho Power Co	OR/ID	8,575	2,336	73%
25	Houston Lighting & Power Co	TX	9,021	2,554	72%
26	Nevada Power Co	NV	2,421	728	70%
27	Arizona Electric Pwr Coop Inc	AZ	400	122	70%
28	Boston Edison Co	MA	44,070	13,542	69%
29	Virginia Electric & Power Co	VA/NC	8,654	2,996	65%
30	Green Mountain Power Corp	VT	4,289	1,567	63%
31	Bonneville Power Admin	MT/OR	102,400	38,419	62%
32	Madison Gas & Electric Co	WI	4,283	1,673	61%
33	Fayetteville Public Works Comm	NC	25	10	60%
34	Montana Power Co	MT/WY	7,049	2,923	59%
35	Public Service Co of Colorado	CO	7,088	2,972	58%
36	Columbus Southern Power Co	OH	1,184	500	58%
37	Florida Power Corp	FL	11,874	5,638	53%
38	Commonwealth Electric Co	MA	3,498	1,748	50%

Source: Environmental Working Group. Compiled from Department of Energy, Energy Information Administration Data Form 861, 1992-1997.

**Table 5. Many large utilities eliminated energy efficiency programs as a result of wholesale power deregulation.**

Rank	Utility	State	Spending 1993 (\$ in thousands)	Spending 1997 (\$)
1	Commonwealth Edison Co	IL	600	0
2	Georgia Power Co	GA	37,958	0
3	Duke Power Co	NC/SC	9,423	0
4	Philadelphia Electric Co	PA	7,255	0
5	Detroit Edison Co	MI	3,371	0
6	Alabama Power Co	AL	4,473	0
7	Consumers Power Co	MI	46,951	0
8	Los Angeles City of	CA	15,348	0
9	Gulf States Utilities Co	TX/LA	2,500	0
10	Ohio Power Co	OH	638	0
11	Cleveland Electric Illum Co	OH	2,603	0
12	Arizona Public Service Co	AZ	3,720	0
13	Appalachian Power Co	WV/VA	1,383	0
14	Wisconsin Electric Power Co	WI/MI	33,962	0
15	Illinois Power Co	IL	497	0
16	Indiana Michigan Power Co	IN/MI	744	0
17	Oklahoma Gas & Electric Co	OK/AR	1,064	0
18	West Penn Power Co	PA	1,689	0
19	South Carolina Electric & Gas Co	SC	7,477	0
20	Atlantic City Electric Co	NJ	5,546	0
21	Toledo Edison Co	OH	1,077	0
22	Rochester Gas & Electric Corp	NY	9,109	0
23	Monongahela Power Co	OH/WV	301	0
24	Sierra Pacific Power Co	CA/NV	3,278	0
25	Texas-New Mexico Power Co	NM/TX	480	0
26	Lower Colorado River Authority	TX	2,506	0
27	Orlando Utilities Comm	FL	578	0
28	PUD No 1 of Snohomish County	WA	10,488	0
29	Montaup Electric Co	MA	9,276	0
30	Kentucky Power Co	KY	16	0
31	Savannah Electric & Power Co	GA	2,503	0
32	Withlacoochee River Elec Coop	FL	53	0
33	Jackson Electric Member Corp	GA	129	0
34	American Mun Power-Ohio Inc	OH	25	0
35	PUD No 1 of Chelan County	WA	652	0
36	Northern Virginia Elec Coop	VA	170	0
37	Hawaii Electric Light Co Inc	HI	183	0
38	Black Hills Corp	MT/SD	42	0
39	Wisconsin Public Power Inc Sys	WI	923	0
40	Walton Electric Member Corp	GA	101	0
41	Pasadena City of	CA	259	0
42	Kingsport Power Co	TN	210	0

Source: Environmental Working Group. Compiled from Department of Energy, Energy Information Administration Data Form 861, 1992-1997.

**Table 6. Even utilities that invest more than one percent of total revenues on energy efficiency programs have cut spending in response to deregulation.**

Rank	Utility	State	Percent of Revenue	Spending on Energy Efficiency Programs		
				1995 (\$ in thousands)	1996 (\$ in thousands)	1997 (\$ in thousands)
1	Eugene City of	OR	5.34%	3,800	5,700	5,500
2	Seattle City of	WA	3.81%	15,527	9,712	13,938
3	Granite State Electric Co	NH	3.52%	1,642	1,694	2,418
4	Tacoma City of	WA	3.43%	4,949	N/A	7,483
5	Massachusetts Electric Co	MA	2.81%	47,924	42,989	45,620
6	Sacramento Municipal Util Dist	CA	2.41%	38,069	19,910	17,379
7	Power Authority of State of NY	NY	2.30%	8,209	8,309	34,030
8	IES Utilities Inc	IA	2.11%	12,212	8,548	12,754
9	Western Massachusetts Elec Co	MA	2.10%	9,516	10,320	8,941
10	Bonneville Power Admin	MT/OR	1.66%	82,157	64,075	38,419
11	Narragansett Electric Co	RI	1.63%	7,771	8,550	8,493
12	Potomac Electric Power Co	DC/MD	1.59%	99,631	45,251	29,562
13	Southern Maryland El Coop Inc	MD	1.58%	2,435	3,555	3,109
14	Interstate Power Co	IA/IL	1.49%	2,831	3,536	4,138
15	Wisconsin Power & Light Co	WI	1.49%	12,021	6,730	9,401
16	Austin City of	TX	1.45%	11,489	10,256	9,008
17	Eastern Edison Co	MA	1.44%	-	1,987	4,000
18	San Diego Gas & Electric Co	CA	1.37%	39,910	46,172	24,330
19	Connecticut Light & Power Co	CT	1.33%	33,065	27,017	32,691
20	Central Maine Power Co	ME	1.32%	11,912	15,705	12,494
21	Baltimore Gas & Electric Co	MD	1.27%	35,896	28,752	27,791
22	Minnesota Power & Light Co	MN	1.24%	14,260	15,597	5,816
23	Blackstone Valley Electric Co	RI	1.21%	-	1,162	1,699
24	Northern States Power Co	MN/ND	1.17%	44,350	34,471	24,548
25	Florida Power & Light Co	FL	1.05%	62,078	75,762	64,488
26	Pacific Gas & Electric Co	CA	1.04%	98,900	77,474	81,123
27	Otter Tail Power Co	MN/ND	1.03%	2,106	2,084	2,099
28	Madison Gas & Electric Co	WI	1.02%	2,191	1,448	1,673

Source: Environmental Working Group. Compiled from Department of Energy, Energy Information Administration Data Form 861, 1992-1997; and NRDC 1998 Benchmarking Report.

### DEREGULATION ENCOURAGES UTILITIES TO REOPEN OLD POWER PLANTS

Some utilities are attempting to deal with the problem of inefficient power use by reopening mothballed, dirty power plants that do not meet modern pollution control standards. Detroit Edison, which eliminated its energy efficiency programs in 1997, is trying to open the Conners Creek power plant in Detroit. Detroit Edison lost the first round of regulatory battles to open Conners Creek without installing modern pollution control equipment, but is appealing the decision. Similarly, Illinois Power, which eliminated its spending on energy efficiency programs in 1994, recently announced plans to open five oil-burning units at its Havana plant which have been closed since 1996.

**Table 7. Cuts in energy efficiency programs increase pollution.**

Rank	Utility Name	State	Projected Savings in 1992 for 1997 (Mwh)	Actual Savings in 1997 (Mwh)	Increased CO2 (tons)	Increased SO2 (tons)	Increased NOx (tons)
1	PacifiCorp	OR/WA	2,880,000	89,562	3,131,000	7,900	6,800
2	Consumers Power Co	MI	1,349,000	-	1,077,000	5,900	3,000
3	Wisconsin Electric Power Co	WI/MI	666,000	-	610,000	2,900	1,300
4	New York State Elec & Gas Corp	NY	608,000	41,758	572,000	3,900	1,300
5	Pennsylvania Electric Co	PA/NY	569,000	9,388	540,000	6,200	1,300
6	Los Angeles City of	CA	710,000	-	500,000	1,700	800
7	Appalachian Power Co	WV/VA	421,000	-	420,000	2,500	1,600
8	Wisconsin Public Service Corp	WI/MI	381,000	59,051	329,000	1,100	700
9	Consolidated Edison Co-NY Inc	NY	638,000	137,270	324,000	200	300
10	Public Service Electric&Gas Co	NJ	832,000	230,595	299,000	1,500	700
11	Dayton Power & Light Co	OH	294,000	41,403	291,000	1,700	900
12	Niagara Mohawk Power Corp	NY	648,000	18,792	289,000	3,600	600
13	Southern California Edison Co	CA	1,170,000	477,028	289,000	500	500
14	Northern States Power Co	MN/ND	472,000	178,416	213,000	500	600
15	Puget Sound Power & Light Co	WA	235,000	16,723	182,000	400	300
16	Ohio Power Co	OH	162,000	-	171,000	1,700	800
17	Sierra Pacific Power Co	CA	150,000	-	118,000	100	200
18	Public Service Co of Colorado	CO	135,000	36,391	111,000	300	300
19	Potomac Electric Power Co	DC/MD	193,000	90,087	108,000	900	400
20	Indiana Michigan Power Co	IN/MI	294,000	-	104,000	1,000	500
21	Detroit Edison Co	MI	100,000	-	98,000	500	200
22	Cincinnati Gas & Electric Co	OH	106,000	22,630	93,000	600	300
23	Duke Power Co	NC/SC	159,000	-	92,000	600	300
24	Pacific Gas & Electric Co	CA	941,000	412,593	81,000	-	100
25	Baltimore Gas & Electric Co	MD	196,000	79,613	79,000	500	200
26	Montana Power Co	MT	149,000	24,254	78,000	100	100
27	Columbus Southern Power Co	OH	72,000	3,406	77,000	800	200
28	PSI Energy Inc	IN	68,000	14,676	72,000	600	100
29	Florida Power Corp	FL	109,000	40,737	65,000	500	200
30	United Illuminating Co	CT	98,000	16,905	60,000	300	100
31	Georgia Power Co	GA	71,000	-	58,000	400	100
32	Jersey Central Power&Light Co	NJ	205,000	57,578	52,000	500	100
33	Nevada Power Co	NV	32,000	5,440	50,000	100	100
34	Cleveland Electric Illum Co	OH	57,000	-	42,000	600	100
35	Omaha Public Power District	NE	50,000	335	42,000	200	100
36	Arizona Public Service Co	AZ	63,000	-	39,000	100	100
37	Portland General Electric Co	OR	152,000	74,423	39,000	100	100
38	Kentucky Power Co	KY	34,000	-	38,000	200	100
39	South Carolina Electric&Gas Co	SC	56,000	-	37,000	300	100
40	Coop Power Assn	MN	42,000	14,820	36,000	200	100
41	Long Island Lighting Co	NY	80,000	28,124	33,000	100	-
42	Wisconsin Power & Light Co	WI	103,000	70,010	33,000	100	100
43	Indianapolis Power & Light Co	IN	30,000	4,150	30,000	200	100
44	Connecticut Light & Power Co	CT	125,000	79,626	29,000	100	-
45	Houston Lighting & Power Co	TX	54,000	18,474	28,000	100	100
46	Montaup Electric Co	MT	35,000	-	28,000	100	-
47	Orange & Rockland Utils Inc	NY	29,000	4,549	25,000	100	-
48	Madison Gas & Electric Co	WI	59,000	32,058	25,000	100	100
49	Southern Indiana Gas & Elec Co	IN	16,000	223	24,000	200	100
50	West Penn Power Co	PA	23,000	-	24,000	200	100

Source: Environmental Working Group. Compiled from Department of Energy, Energy Information Administration Data Form 861, 1992-1997. Projected savings estimated from actual costs of energy efficiency programs for each utility, and 1992 projections of investment in energy efficiency programs for 1997. Increased pollution based on each utility's average emissions per unit of electricity generated.



At the same time, if the 50 utilities that cut back the most from their projected energy efficiency spending had invested at the rates that they promised, air pollution and greenhouse gas emissions would have been significantly reduced. In 1997 alone, energy efficiency programs at these 50 utilities would have reduced carbon dioxide emissions by over 11 million tons, and ozone and particulate-forming sulfur dioxide and nitrogen oxides by over 53,000 and 26,000 tons respectively (Table 7). These savings would have continued to benefit customers for the next 10 to 15 years, or for the entire useful life of the installed measures.

### **Some States Have Already Enacted Legislation**

As a part of larger retail deregulation bills, a few states have already enacted legislation that provides funding for energy efficiency programs. In addition some states are considering legislation that would provide funding for energy efficiency programs in the absence of retail deregulation legislation.

The most common mechanism for funding energy efficiency programs in a deregulated market is a public benefits fund. Public benefits funds charge all consumers a percentage or rate based upon their energy usage. The funds are then used for energy efficiency and other environmental and consumer programs. They also provide a fi-

nancial backstop for low-income customers who cannot pay their electric bill.

Currently eleven states, Arizona, California, Connecticut, Illinois, Maine, Massachusetts, Montana, New Hampshire, New York, Pennsylvania and Rhode Island have implemented or are proceeding to implement public benefits funds that support energy efficiency programs (Kushler 1998). Several other states are considering public benefits funds as a part of their larger state deregulation proposal. Wisconsin is considering a similar program even though the state is not planning to deregulate the retail market.

The actual funding levels for these efforts vary tremendously. Massachusetts's public benefits funding is nearly \$160 million in 1998, or 3 percent of revenues, while similar legislation in Illinois only appropriates \$3 million, or less than one-tenth of one percent of revenues, sixty times less than in Massachusetts. Of the remaining states, four have reasonably well-funded programs (California, \$218 million or 1.4 percent; Connecticut, \$85 million or 2.6 percent; Montana, \$15 million or 2.4 percent, and Rhode Island \$15 million or 2.1 percent). Three states (Maine, \$9 million or .9 percent; New York, \$56 million or .5 percent; and Pennsylvania, \$10 million or .1 percent) are poorly funded. New Hampshire and Arizona have yet to set their funding levels (Kushler 1998).

**Currently eleven states have public benefits funds that support energy efficiency programs.**

**As the electricity industry opens up for competition, so should the market for energy efficiency services.**

The Clinton Administration's Comprehensive Electricity Competition Plan calls for the creation of a public benefits fund of up to \$3 billion. The fund would provide matching funds for state energy efficiency, low-income assistance, renewable energy, and public-interest energy research and development programs.

States have also used revolving loan funds to promote energy efficiency. Revolving loan funds provide interest-free capital to banks to subsidize loans on pre-approved products and can easily be incorporated into public benefits funds. These programs are designed to increase the demand for energy efficient products by involving lenders and contractors in the process. Nebraska currently uses a \$19 million revolving loan fund to support energy efficiency.

Since electric utilities now increasingly profit from the sale of electricity and not from a state-guaranteed return to their investments, retail conservation programs are no longer in their short-term economic interest. To mitigate this problem, energy efficiency programs should be designed to include providers other than utilities. As the electricity industry opens up for competition, so should the market for energy efficiency services. Opening the energy efficiency market to electric service companies, who sell products and information, rather than electricity, will substantially increase long-term

support for energy efficiency products and programs.

## **Conclusions and Recommendations**

Energy efficiency reduces air pollution and the carbon pollution that causes global warming, and it saves consumers money. In spite of these clear benefits, energy efficiency programs have suffered huge cuts in funding under deregulation, primarily because they are not in the short-term financial interest of the utilities.

In light of the United States' international commitments to reduce greenhouse gas emissions under the 1997 Kyoto Protocol, promoting energy efficiency and reducing pollution should be priorities of national energy policy. The United States currently has no such national energy policy; in fact, carbon dioxide emissions are 11 percent above the target (1990) levels agreed to in the Protocol. For too long, the nation has relied on a patchwork of individual utility and state regulatory initiatives. As state regulation decreases, and prices alone govern utility investment decisions, utilities are dramatically cutting their energy efficiency investments.

The deregulation of the retail end of the electric utility business will only increase the incentives for further cuts in energy efficiency programs and other consumer services, unless

utilities are required by law to invest in energy efficiency programs. Without some way to reintroduce efficiency into energy policy, the public and the environment will lose.

To reverse this trend and restore the nation's investment in energy efficiency the federal government and the states must insure that future funding is available for energy efficiency programs — with or without retail deregulation. This can best be achieved through the use of a public benefits fund. Public benefits funds charge customers a small amount — gener-

ally 2 to 5 percent — to fund energy efficiency and other consumer and environmental programs.

These changes would complement other initiatives, such as strengthened appliance efficiency standards, power generation performance standards and minimum renewable energy portfolio standards. Together, these policies and tools could reverse the downward trend in energy efficiency investments, save consumers money, and ultimately result in significant reductions in air pollution and greenhouse gas emissions.

**The deregulation of the retail end of the electric utility business will only increase the incentives for further cuts in energy efficiency programs and other consumer services, unless utilities are required by law to invest in energy efficiency programs.**



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**Investment in energy efficiency programs by utilities operating in Alabama.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Alabama Electric Coop Inc	0.2%	\$589,000	252,090,000	51.0%	75
Tennessee Valley Authority	0.2%	\$12,600,000	5,753,883,000	130.1%	76
Alabama Power Co	0.0%	\$0	3,149,110,000	-100%	N/A
Huntsville City of	0.0%	\$0	213,383,000	0.0%	N/A
Alabama Municipal Elec Auth	0.0%	\$0	100,178,000	0.0%	N/A
Florence City of	0.0%	\$0	66,634,000	0.0%	
Decatur City of	0.0%	\$0	61,208,000	0.0%	
Joe Wheeler Elec Member Corp	0.0%	\$0	59,155,000	0.0%	
Dothan City of	0.0%	\$0	52,937,000	0.0%	
Cullman Electric Coop	0.0%	\$0	49,830,000	0.0%	
Baldwin County EI Member Corp	0.0%	\$0	49,454,000	0.0%	
Athens City of	0.0%	\$0	43,530,000	0.0%	
Southern Pine Elec Coop Inc	0.0%	\$0	41,202,000	0.0%	
Foley City of (Riviera Utils)	0.0%	\$0	40,752,000	0.0%	
Sand Mountain Electric Coop	0.0%	\$0	33,907,000	0.0%	
Central Alabama Electric Coop	0.0%	\$0	29,522,000	0.0%	
Troup County Elec Member Corp	0.0%	\$0	28,866,000	0.0%	
Sheffield City of	0.0%	\$0	26,965,000	0.0%	
Cherokee Electric Coop	0.0%	\$0	25,054,000	0.0%	
Marshall-De Kalb Electric Coop	0.0%	\$0	24,278,000	0.0%	
North Alabama Electric Coop	0.0%	\$0	23,806,000	0.0%	
Covington Electric Coop Inc	0.0%	\$0	23,567,000	0.0%	
Albertville City of	0.0%	\$0	21,840,000	0.0%	
Black Warrior Elec Member Corp	0.0%	\$0	20,827,000	0.0%	
Tallapoosa River Elec Coop Inc	0.0%	\$0	20,023,000	0.0%	
Fort Payne Improvement Auth	0.0%	\$0	19,867,000	0.0%	
Opelika City of	0.0%	\$0	19,198,000	0.0%	
Scottsboro City of	0.0%	\$0	19,169,000	0.0%	
Bessemer City of	0.0%	\$0	18,350,000	0.0%	
Arab Electric Coop Inc	0.0%	\$0	18,070,000	0.0%	
Dixie Electric Coop	0.0%	\$0	18,007,000	0.0%	
Clarke-Washington E M C	0.0%	\$0	17,875,000	0.0%	
Pea River Electric Coop	0.0%	\$0	17,865,000	0.0%	
Cullman City of	0.0%	\$0	17,864,000	0.0%	
Wiregrass Electric Coop Inc	0.0%	\$0	17,478,000	0.0%	
South Alabama Elec Coop Inc	0.0%	\$0	15,352,000	0.0%	
Andalusia City of	0.0%	\$0	15,178,000	0.0%	
Troy City of	0.0%	\$0	14,910,000	0.0%	
Franklin Electric Coop	0.0%	\$0	13,975,000	0.0%	
Coosa Valley Electric Coop Inc	0.0%	\$0	13,771,000	0.0%	
Pioneer Electric Coop Inc	0.0%	\$0	13,596,000	0.0%	

\* Rankings are for utilities with revenues over \$100 million in 1997. There are 268 utilities included in the ranking. N/A appears for utilities with revenues above \$100 million that could not be ranked because they did not invest in energy efficiency programs.

Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Alabama - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Guntersville City of	0.0%	\$0	13,073,000	0.0%	
Muscle Shoals City of	0.0%	\$0	12,663,000	0.0%	
Sylacauga City of	0.0%	\$0	11,316,000	0.0%	
Tuskegee City of	0.0%	\$0	8,760,000	0.0%	
Fairhope City of	0.0%	\$0	8,707,000	0.0%	
Hartselle City of	0.0%	\$0	8,143,000	0.0%	
Russellville City of	0.0%	\$0	7,828,000	0.0%	
Alexander City City of	0.0%	\$0	7,802,000	0.0%	
Tombigbee Electric Coop Inc	0.0%	\$0	7,750,000	0.0%	
Tarrant City City of	0.0%	\$0	5,867,000	0.0%	
Tuscumbia City of	0.0%	\$0	5,334,000	0.0%	
Opp City of	0.0%	\$0	5,115,000	0.0%	
Piedmont City of	0.0%	\$0	4,515,000	0.0%	
Lafayette City of	0.0%	\$0	4,113,000	0.0%	
Lanett City of	0.0%	\$0	3,711,000	0.0%	
Elba City of	0.0%	\$0	3,520,000	0.0%	
Evergreen City of	0.0%	\$0	3,242,000	0.0%	
Robertsdale City of	0.0%	\$0	2,942,000	0.0%	
Brundidge City of	0.0%	\$0	2,133,000	0.0%	
Luverne City of	0.0%	\$0	2,129,000	0.0%	
Hartford City of	0.0%	\$0	1,600,000	0.0%	
Courtland City of	0.0%	\$0	1,189,000	0.0%	

\* Rankings are for utilities with revenues over \$100 million in 1997. There are 268 utilities included in the ranking. N/A appears for utilities with revenues above \$100 million that could not be ranked because they did not invest in energy efficiency programs.

Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Alaska.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Golden Valley Elec Assn Inc	0.3%	\$219,000	69,126,000	75.2%	N/A
Alaska Electric Light&Power Co	0.1%	\$12,000	24,752,000	0.0%	
Chugach Electric Assn Inc	0.0%	\$0	146,461,000	0.0%	
Anchorage City of	0.0%	\$0	86,793,000	0.0%	
Matanuska Electric Assn Inc	0.0%	\$0	46,873,000	0.0%	
Alaska Electric G & T Coop Inc	0.0%	\$0	38,973,000	0.0%	
Homer Electric Assn Inc	0.0%	\$0	38,556,000	0.0%	
Alaska Energy Authority	0.0%	\$0	21,016,000	0.0%	
Alaska Village Elec Coop Inc	0.0%	\$0	18,624,000	0.0%	
Kodiak Electric Assn Inc	0.0%	\$0	17,305,000	0.0%	
Ketchikan City of	0.0%	\$0	12,759,000	0.0%	
Copper Valley Elec Assn Inc	0.0%	\$0	11,183,000	0.0%	
Alaska Power Administration	0.0%	\$0	9,233,000	0.0%	
Sitka City of & Borough of	0.0%	\$0	7,988,000	0.0%	
Alaska Power & Telephone Co	0.0%	\$0	7,355,000	0.0%	
Bethel Utilities Corporation	0.0%	\$0	7,031,000	0.0%	
Seward City of	0.0%	\$0	5,991,000	0.0%	
Tlingit & Haida Region El Auth	0.0%	\$0	4,957,000	0.0%	
Nome Joint Utility Systems	0.0%	\$0	4,774,000	0.0%	
Cordova Electric Coop Inc	0.0%	\$0	4,569,000	0.0%	
Unalaska City of	0.0%	\$0	4,475,000	0.0%	
North Slope Borough of	0.0%	\$0	4,439,000	0.0%	
Arctic Utilities Inc	0.0%	\$0	4,231,000	0.0%	
Kotzebue Electric Assn Inc	0.0%	\$0	4,078,000	0.0%	
Naknek Electric Assn Inc	0.0%	\$0	3,626,000	0.0%	
Nushagak Electric Coop Inc	0.0%	\$0	3,469,000	0.0%	
Barrow Utils & Elec Coop Inc	0.0%	\$0	3,371,000	0.0%	
Petersburg City of	0.0%	\$0	3,140,000	0.0%	
Metlakatla Power & Light	0.0%	\$0	2,134,000	0.0%	
Wrangell City of	0.0%	\$0	2,100,000	0.0%	
Haines Light & Power Co Inc	0.0%	\$0	2,014,000	0.0%	
Galena City of	0.0%	\$0	1,811,000	0.0%	
Yakutat Power Inc	0.0%	\$0	1,438,000	0.0%	
St Paul City of	0.0%	\$0	1,397,000	0.0%	
G & K Incorporated	0.0%	\$0	1,175,000	0.0%	
McGrath Light & Power Co	0.0%	\$0	1,079,000	0.0%	
Aniak Light & Power Co Inc	0.0%	\$0	1,007,000	0.0%	
Unalakleet Valley Elec Coop	0.0%	\$0	967,000	0.0%	
I-N-N Electric Coop Inc	0.0%	\$0	958,000	0.0%	
Gwitchyaa Zhee Utility Co	0.0%	\$0	778,000	0.0%	
Gustavus Electric Co Inc	0.0%	\$0	747,000	0.0%	

\* Rankings are for utilities with revenues over \$100 million in 1997. There are 268 utilities included in the ranking. N/A appears for utilities with revenues above \$100 million that could not be ranked because they did not invest in energy efficiency programs.

Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Alaska - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Thorne Bay City of	0.0%	\$0	582,000	0.0%	
King Cove City of	0.0%	\$0	570,000	0.0%	
Tanana Power Co Inc	0.0%	\$0	517,000	0.0%	
Middle Kuskokwim Elec Coop Inc	0.0%	\$0	513,000	0.0%	
Northway Power & Light Inc	0.0%	\$0	480,000	0.0%	
Teller Power Co	0.0%	\$0	473,000	0.0%	
Bettles Light & Power Inc	0.0%	\$0	374,000	0.0%	
Pelican Utility Co	0.0%	\$0	365,000	0.0%	
City of White Mountain	0.0%	\$0	354,000	0.0%	
Kotlik City of	0.0%	\$0	341,000	0.0%	
Egegik Light & Power Co	0.0%	\$0	334,000	0.0%	
Coffman Cove Utilities	0.0%	\$0	319,000	0.0%	
Akiachak Native Community Elec	0.0%	\$0	307,000	0.0%	
Kuiggluum Kallugvia	0.0%	\$0	305,000	0.0%	
Manokotak City of	0.0%	\$0	285,000	0.0%	
Napakiak Ircinaq Power Co	0.0%	\$0	253,000	0.0%	
Far North Utilities	0.0%	\$0	221,000	0.0%	
Manley Utility Co Inc	0.0%	\$0	218,000	0.0%	
Kwig Power Co	0.0%	\$0	206,000	0.0%	
Ouzinkie City of	0.0%	\$0	201,000	0.0%	
Chignik City of	0.0%	\$0	198,000	0.0%	
Atmautluak City of	0.0%	\$0	196,000	0.0%	
Ipnatchiaq Electric Company	0.0%	\$0	191,000	0.0%	
Tuntutuliak Comm Svc Assn	0.0%	\$0	188,000	0.0%	
Larsen Bay City of	0.0%	\$0	187,000	0.0%	
Tatitlek Electric Utility	0.0%	\$0	165,000	0.0%	
Nightmute Power Plant	0.0%	\$0	159,000	0.0%	
Chefornak City of	0.0%	\$0	152,000	0.0%	
Kokhanok Village Council	0.0%	\$0	150,000	0.0%	
Nelson Lagoon Elec Coop Inc	0.0%	\$0	139,000	0.0%	
Andreanof Electric Corp	0.0%	\$0	122,000	0.0%	
Tenakee Springs City of	0.0%	\$0	120,000	0.0%	
Native Village of Perryville	0.0%	\$0	110,000	0.0%	
Pedro Bay Village Council	0.0%	\$0	87,000	0.0%	
Chitina Electric Inc	0.0%	\$0	86,000	0.0%	
Igiugig Electric Company	0.0%	\$0	80,000	0.0%	
Hughes Power & Light Co	0.0%	\$0	70,000	0.0%	
Birch Creek Village Elec Util	0.0%	\$0	64,000	0.0%	
Elfin Cove Utility Commission	0.0%	\$0	60,000	0.0%	
Akutan City of	0.0%	\$0	35,000	0.0%	
Paxson Lodge Inc	0.0%	\$0	30,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.





**Investment in energy efficiency programs by utilities operating in Arizona.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Navopache Electric Coop Inc	1.1%	\$300,000	28,458,000	9900%	
Citizens Utilities Co	0.5%	\$913,000	196,034,000	0.0%	49
Tucson Electric Power Co	0.2%	\$1,786,000	730,033,000	-37.1%	71
Salt River Proj Ag I & P Dist	0.1%	\$1,884,000	1,558,798,000	8.9%	88
Arizona Electric Pwr Coop Inc	0.1%	\$122,000	174,881,000	-69.5%	103
Mohave Electric Coop Inc	0.0%	\$4,000	42,611,000	100.0%	
Arizona Public Service Co	0.0%	\$0	1,790,276,000	-100%	N/A
Western Area Power Admin	0.0%	\$0	793,226,000	0.0%	N/A
Duncan Valley Elec Coop Inc	0.0%	\$0	64,122,000	0.0%	
Sulphur Springs Valley E C Inc	0.0%	\$0	45,371,000	-100%	
Navajo Tribal Utility Auth	0.0%	\$0	39,068,000	0.0%	
Trico Electric Coop Inc	0.0%	\$0	28,764,000	0.0%	
Mesa City of	0.0%	\$0	28,573,000	0.0%	
Continental Divide El Coop Inc	0.0%	\$0	23,785,000	0.0%	
Arizona Power Authority	0.0%	\$0	23,765,000	0.0%	
U S Bureau of Indian Affairs	0.0%	\$0	21,589,000	0.0%	
Columbus Electric Coop Inc	0.0%	\$0	18,454,000	0.0%	
Electrical Dist No2 Pinal Cnty	0.0%	\$0	8,940,000	0.0%	
Garkane Power Assn Inc	0.0%	\$0	8,735,000	0.0%	
Dixie Escalante R E A Inc	0.0%	\$0	8,444,000	0.0%	
Graham County Elec Coop Inc	0.0%	\$0	8,164,000	0.0%	
Page City of	0.0%	\$0	6,588,000	0.0%	
Colorado River Indian Irr Proj	0.0%	\$0	5,805,000	0.0%	
Tohono O'Odham Utility Auth	0.0%	\$0	5,593,000	0.0%	
Safford City of	0.0%	\$0	4,535,000	0.0%	
Wellton-Mohawk Irr&Drain Dist	0.0%	\$0	4,258,000	0.0%	
Electrical Dist No8 of Maricop	0.0%	\$0	3,770,000	0.0%	
Morenci Water & Electric Co	0.0%	\$0	2,554,000	0.0%	
Electrical Dist No7 Maricopa	0.0%	\$0	2,340,000	0.0%	
Electrical Dist No3 Pinal Cnty	0.0%	\$0	2,129,000	0.0%	
Wickenburg Town of	0.0%	\$0	1,883,000	0.0%	
Electrical Dist No4 Pinal Cnty	0.0%	\$0	1,707,000	0.0%	
Maricopa County M W C Dist #1	0.0%	\$0	1,369,000	0.0%	
McMullen Valley Water C&D Dist	0.0%	\$0	1,343,000	0.0%	
Roosevelt Irrigation District	0.0%	\$0	1,126,000	0.0%	
Electrical Dist No5 Pinal Cnty	0.0%	\$0	1,120,000	0.0%	
Thatcher City of	0.0%	\$0	1,048,000	0.0%	
Aquilla Irrigation District	0.0%	\$0	862,000	0.0%	
Electrical Dist No6 Pinal Cnty	0.0%	\$0	826,000	0.0%	
Electrical Dist No1 Pinal Cnty	0.0%	\$0	773,000	0.0%	
Harquahala Valley Pwr District	0.0%	\$0	714,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Arizona - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
City of Fredonia	0.0%	\$0	677,000	0.0%	
Ajo Improvement Co	0.0%	\$0	628,000	0.0%	
Tonopah Irrigation District	0.0%	\$0	364,000	0.0%	
Ak-Chin Electric Utility Auth	0.0%	\$0	138,000	0.0%	
Buckeye Irr Dist	0.0%	\$0	113,000	0.0%	
Hohokam Irrigation&Drainage Dt	0.0%	\$0	72,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Arkansas.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Southwestern Electric Power Co	0.1%	\$1,144,000	939,869,000	117.1%	87
Entergy Arkansas, Inc	0.0%	\$0	1,715,714,000	0.0%	N/A
Oklahoma Gas & Electric Co	0.0%	\$0	1,191,690,000	-100%	N/A
Arkansas Electric Coop Corp	0.0%	\$0	345,105,000	0.0%	N/A
Empire District Electric Co	0.0%	\$0	214,306,000	0.0%	N/A
Mississippi Cnty Elec Coop Inc	0.0%	\$0	77,309,000	0.0%	
First Electric Coop Corp	0.0%	\$0	72,601,000	0.0%	
North Little Rock City of	0.0%	\$0	66,611,000	0.0%	
Jonesboro City of	0.0%	\$0	66,459,000	0.0%	
Carroll Electric Coop Corp	0.0%	\$0	59,767,000	0.0%	
Ozarks Electric Coop Corp	0.0%	\$0	47,264,000	0.0%	
Arkansas Valley Elec Coop Corp	0.0%	\$0	44,997,000	0.0%	
Conway Corp	0.0%	\$0	33,093,000	0.0%	
North Arkansas Elec Coop Inc	0.0%	-\$0	31,811,000	0.0%	
Southwest Arkansas E C C	0.0%	\$0	30,481,000	0.0%	
Craighead Electric Coop Corp	0.0%	\$0	23,912,000	0.0%	
Woodruff Electric Coop Corp	0.0%	\$0	22,674,000	0.0%	
West Memphis City of	0.0%	\$0	20,104,000	0.0%	
C & L Electric Coop Corp	0.0%	\$0	19,732,000	0.0%	
Benton City of	0.0%	\$0	16,954,000	0.0%	
Paragould Light & Water Comm	0.0%	\$0	15,896,000	0.0%	
Petit Jean Electric Coop Corp	0.0%	\$0	14,795,000	0.0%	
Hope City of	0.0%	\$0	14,214,000	0.0%	
Ouachita Electric Coop Corp	0.0%	\$0	13,608,000	0.0%	
Clay County Electric Coop Corp	0.0%	\$0	12,490,000	0.0%	
Siloam Springs City of	0.0%	\$0	11,964,000	0.0%	
Bentonville City of	0.0%	\$0	11,209,000	0.0%	
Arkansas River Power Authority	0.0%	\$0	11,165,000	0.0%	
South Central Ark El Coop Inc	0.0%	\$0	11,160,000	0.0%	
Clarksville Light & Water Co	0.0%	\$0	10,032,000	0.0%	
Osceola City of	0.0%	\$0	9,670,000	0.0%	
Rich Mountain Elec Coop Inc	0.0%	\$0	7,066,000	0.0%	
Prescott City of	0.0%	\$0	6,328,000	0.0%	
Farmers Electric Coop Corp	0.0%	\$0	5,517,000	0.0%	
Ashley Chicot Elec Coop Inc	0.0%	\$0	5,431,000	0.0%	
Piggott City of	0.0%	\$0	2,184,000	0.0%	
Paris City of	0.0%	\$0	2,118,000	0.0%	
Augusta City of	0.0%	\$0	1,425,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in California.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Sacramento Municipal Util Dist	2.4%	\$17,379,000	719,790,000	-48.8%	5
San Diego Gas & Electric Co	1.4%	\$24,330,000	1,776,256,000	-7.3%	17
Pacific Gas & Electric Co	1.0%	\$81,123,000	7,776,757,000	-23.4%	25
Southern California Edison Co	0.7%	\$53,574,000	7,933,449,000	-46.5%	39
Roseville City of	0.5%	\$340,000	65,284,000	94.3%	
Palo Alto City of	0.3%	\$200,000	70,171,000	-70.2%	
Modesto Irrigation District	0.3%	\$395,000	139,820,000	-49.1%	65
PacifiCorp	0.1%	\$4,982,000	3,683,923,000	-87.9%	84
Alameda City of	0.1%	\$50,000	38,078,000	-77.6%	
Imperial Irrigation District	0.1%	\$245,000	204,433,000	-31.8%	90
Riverside City of	0.1%	\$134,000	165,515,000	-34.0%	98
Turlock Irrigation District	0.1%	\$80,000	106,713,000	-90.1%	100
Anaheim City of	0.1%	\$135,000	252,786,000	-73.3%	111
Los Angeles City of	0.0%	\$0	2,332,904,000	-100%	N/A
Western Area Power Admin	0.0%	\$0	793,226,000	0.0%	N/A
Sierra Pacific Power Co	0.0%	\$0	540,586,000	-100%	N/A
Southern California P P A	0.0%	\$0	268,575,000	0.0%	N/A
Santa Clara City of	0.0%	\$0	220,470,000	0.0%	N/A
Northern California Power Agny	0.0%	\$0	194,685,000	0.0%	N/A
California Dept-Wtr Resources	0.0%	\$0	140,942,000	0.0%	N/A
Pasadena City of	0.0%	\$0	123,603,000	-100%	N/A
Glendale City of	0.0%	\$0	121,303,000	0.0%	N/A
Burbank City of	0.0%	\$0	104,515,000	0.0%	N/A
Redding City of	0.0%	\$0	96,391,000	-100%	
San Francisco City & County of	0.0%	\$0	75,041,000	0.0%	
Vernon City of	0.0%	\$0	53,737,000	0.0%	
Lodi City of	0.0%	\$0	35,538,000	0.0%	
Colton City of	0.0%	\$0	24,279,000	0.0%	
Azusa City of	0.0%	\$0	23,343,000	0.0%	
Valley Electric Assn Inc	0.0%	\$0	21,546,000	0.0%	
Banning City of	0.0%	\$0	13,257,000	0.0%	
Southern California Water Co	0.0%	\$0	13,010,000	0.0%	
Ukiah City of	0.0%	\$0	12,726,000	0.0%	
Lassen Municipal Utility Dist	0.0%	\$0	12,603,000	0.0%	
Lompoc City of	0.0%	\$0	12,455,000	0.0%	
Yuba County Water Agency	0.0%	\$0	12,429,000	0.0%	
Plumas-Sierra Rural Elec Coop	0.0%	\$0	9,636,000	0.0%	
Oakdale & South San Joaquin	0.0%	\$0	9,400,000	0.0%	
Truckee Donner Pub Util Dist	0.0%	\$0	9,026,000	0.0%	
Healdsburg City of	0.0%	\$0	6,760,000	0.0%	
Merced Irrigation District	0.0%	\$0	6,305,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in California - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Trinity County Pub Util Dist	0.0%	\$0	6,225,000	0.0%	
Surprise Valley Electric Corp	0.0%	\$0	6,135,000	0.0%	
Shasta Dam Area Pub Util Dist	0.0%	\$0	5,617,000	0.0%	
Needles City of	0.0%	\$0	5,263,000	0.0%	
Anza Electric Coop Inc	0.0%	\$0	5,038,000	0.0%	
Gridley City of	0.0%	\$0	2,483,000	0.0%	
Tuolumne County Pub Power Agny	0.0%	\$0	1,290,000	0.0%	
Biggs City of	0.0%	\$0	841,000	0.0%	
Escondido City of	0.0%	\$0	199,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Colorado.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Colorado Springs City of	0.8%	\$1,569,000	199,581,000	0.0%	34
Public Service Co of Colorado	0.2%	\$2,972,000	1,454,717,000	-58.1%	80
Loveland City of	0.1%	\$25,000	23,727,000	-64.3%	
Poudre Valley R E A Inc	0.1%	\$32,000	32,839,000	0.0%	
San Miguel Power Assn Inc	0.1%	\$10,000	11,342,000	0.0%	
United Power, Inc	0.1%	\$30,000	36,384,000	0.0%	
Longmont City of	0.1%	\$15,000	26,715,000	-76.2%	
Intermountain Rural Elec Assn	0.0%	\$0	81,808,000	0.0%	
Fort Collins City of	0.0%	\$0	57,669,000	0.0%	
Holy Cross Electric Assn Inc	0.0%	\$0	51,298,000	0.0%	
Wheatland Electric Coop Inc	0.0%	\$0	48,890,000	0.0%	
La Plata Electric Assn Inc	0.0%	\$0	43,426,000	0.0%	
Moon Lake Electric Assn Inc	0.0%	\$0	38,423,000	0.0%	
Delta Montrose Electric Assn	0.0%	\$0	29,924,000	0.0%	
Yampa Valley Electric Assn Inc	0.0%	\$0	29,108,000	0.0%	
Mountain View Elec Assn Inc	0.0%	\$0	28,911,000	0.0%	
Empire Electric Assn Inc	0.0%	\$0	20,938,000	0.0%	
Y-W Electric Assn Inc	0.0%	\$0	20,686,000	0.0%	
Highline Electric Assn	0.0%	\$0	19,994,000	0.0%	
Tri-County Electric Coop Inc	0.0%	\$0	18,250,000	0.0%	
San Isabel Electric Assn Inc	0.0%	\$0	16,992,000	0.0%	
San Luis Valley R E C Inc	0.0%	\$0	14,299,000	0.0%	
Mountain Parks Electric Inc	0.0%	\$0	12,550,000	0.0%	
Morgan County Rural Elec Assn	0.0%	\$0	11,961,000	0.0%	
Southeast Colorado Power Assn	0.0%	\$0	11,608,000	0.0%	
Rural Electric Co	0.0%	\$0	11,218,000	0.0%	
K C Electric Assn	0.0%	\$0	10,020,000	0.0%	
Grand Valley Rrl Pwr Line Inc	0.0%	\$0	9,766,000	0.0%	
Fountain City of	0.0%	\$0	8,913,000	0.0%	
Fort Morgan City of	0.0%	\$0	8,192,000	0.0%	
Gunnison County Elec Assn Inc	0.0%	\$0	7,341,000	0.0%	
Estes Park Town of	0.0%	\$0	6,977,000	0.0%	
Glenwood Springs City of	0.0%	\$0	6,752,000	0.0%	
White River Electric Assn Inc	0.0%	\$0	6,655,000	0.0%	
Sangre De Cristo Elec Assn Inc	0.0%	\$0	6,642,000	0.0%	
Lamar City of	0.0%	\$0	6,370,000	0.0%	
La Junta City of	0.0%	\$0	5,569,000	0.0%	
Aspen City of	0.0%	\$0	4,168,000	0.0%	
Trinidad City of	0.0%	\$0	3,165,000	0.0%	
Delta City of	0.0%	\$0	2,980,000	0.0%	
Gunnison City of	0.0%	\$0	2,794,000	0.0%	

\* Rankings are for utilities with revenues over \$100 million in 1997. There are 268 utilities included in the ranking. N/A appears for utilities with revenues above \$100 million that could not be ranked because they did not invest in energy efficiency programs.

Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Colorado - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Burlington City of	0.0%	\$0	2,039,000	0.0%	
Las Animas City of	0.0%	\$0	1,749,000	0.0%	
Yuma City of	0.0%	\$0	1,527,000	0.0%	
Wray City of	0.0%	\$0	1,472,000	0.0%	
Frederick Town of	0.0%	\$0	1,045,000	0.0%	
Center City of	0.0%	\$0	1,040,000	0.0%	
Holyoke City of	0.0%	\$0	862,000	0.0%	
Julesburg City of	0.0%	\$0	768,000	0.0%	
Springfield City of	0.0%	\$0	736,000	0.0%	
Lyons Town of	0.0%	\$0	561,000	0.0%	
Holly City of	0.0%	\$0	538,000	0.0%	
Haxtun Town of	0.0%	\$0	433,000	0.0%	
Oak Creek Town of	0.0%	\$0	357,000	0.0%	
Granada Town of	0.0%	\$0	221,000	0.0%	
Fleming City of	0.0%	\$0	141,000	0.0%	

\* Rankings are for utilities with revenues over \$100 million in 1997. There are 268 utilities included in the ranking. N/A appears for utilities with revenues above \$100 million that could not be ranked because they did not invest in energy efficiency programs.

Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Connecticut.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Connecticut Light & Power Co	1.3%	\$32,691,000	2,465,587,000	-12.9%	18
United Illuminating Co	0.4%	\$2,742,000	710,267,000	-77.9%	53
Connecticut Yankee Atom Pwr Co	0.0%	\$0	120,213,000	0.0%	N/A
Connecticut Mun Elec Engy Coop	0.0%	\$0	114,523,000	0.0%	N/A
Groton City of	0.0%	\$0	43,749,000	0.0%	
Wallingford Town of	0.0%	\$0	42,291,000	0.0%	
Norwich City of	0.0%	\$0	30,071,000	0.0%	
South Norwalk City of	0.0%	\$0	9,264,000	0.0%	
Bozrah Light & Power Co	0.0%	\$0	8,317,000	0.0%	
Norwalk Third Taxing District	0.0%	\$0	5,648,000	0.0%	
Jewett City City of	0.0%	\$0	2,219,000	0.0%	
Farmington River Power Co	0.0%	\$0	457,000	0.0%	

\* Rankings are for utilities with revenues over \$100 million in 1997. There are 268 utilities included in the ranking. N/A appears for utilities with revenues above \$100 million that could not be ranked because they did not invest in energy efficiency programs.

Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.





**Investment in energy efficiency programs by utilities operating in Delaware.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Delmarva Power & Light Co	0.2%	\$2,349,000	1,093,883,000	35.9%	78
Delaware Electric Coop Inc	0.0%	\$0	59,291,000	0.0%	
Dover City of	0.0%	\$0	44,908,000	0.0%	
Lewes City of	0.0%	\$0	26,787,000	0.0%	
Newark City of	0.0%	\$0	21,888,000	0.0%	
Milford City of	0.0%	\$0	11,269,000	0.0%	
Seaford City of	0.0%	\$0	7,725,000	0.0%	
Smyrna Town of	0.0%	\$0	4,089,000	0.0%	
Middletown Town of	0.0%	\$0	3,619,000	0.0%	
New Castle City of	0.0%	\$0	3,293,000	0.0%	
Clayton Town of	0.0%	\$0	623,000	0.0%	

\* Rankings are for utilities with revenues over \$100 million in 1997. There are 268 utilities included in the ranking. N/A appears for utilities with revenues above \$100 million that could not be ranked because they did not invest in energy efficiency programs.

Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in District Of Columbia.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Potomac Electric Power Co	1.6%	\$29,562,000	1,863,510,000	-43.9%	11

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Florida.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Florida Power & Light Co	1.1%	\$64,488,000	6,132,047,000	30.2%	24
Tampa Electric Co	0.5%	\$5,998,000	1,188,984,000	49.4%	46
Gulf Power Co	0.5%	\$3,154,000	625,856,000	61.1%	47
Gainesville Regional Utilities	0.4%	\$471,000	124,417,000	659.7%	57
Fort Pierce Utilities Auth	0.4%	\$167,000	46,549,000	2.5%	
Ocala City of	0.3%	\$226,000	80,946,000	96.5%	
Tallahassee City of	0.3%	\$459,000	172,755,000	39.1%	66
Florida Power Corp	0.2%	\$5,638,000	2,448,436,000	-52.5%	74
Choctawhatche Elec Coop Inc	0.2%	\$68,000	32,293,000	0.0%	
Reedy Creek Improvement Dist	0.1%	\$90,000	69,357,000	125.0%	
Lee County Electric Coop Inc	0.1%	\$221,000	186,674,000	-31.6%	89
Jacksonville Electric Auth	0.1%	\$713,000	758,799,000	-15.6%	96
Kissimmee Utility Authority	0.1%	\$50,000	71,126,000	-56.1%	
Seminole Electric Coop Inc	0.0%	\$0	537,936,000	0.0%	N/A
Orlando Utilities Comm	0.0%	\$0	393,486,000	-100%	N/A
Florida Municipal Power Agency	0.0%	\$0	230,106,000	0.0%	N/A
Withlacoochee River Elec Coop	0.0%	\$0	182,045,000	-100%	N/A
Lakeland City of	0.0%	\$0	166,588,000	0.0%	N/A
Clay Electric Coop Inc	0.0%	\$0	155,909,000	0.0%	N/A
Sumter Electric Coop Inc	0.0%	\$0	109,137,000	0.0%	N/A
Key West City of	0.0%	\$0	60,386,000	0.0%	
Talquin Electric Coop Inc	0.0%	\$0	59,688,000	0.0%	
Vero Beach City of	0.0%	\$0	50,349,000	0.0%	
Jacksonville Beach City of	0.0%	\$0	48,030,000	0.0%	
Florida Keys El Coop Assn Inc	0.0%	\$0	44,868,000	0.0%	
Florida Public Utilities Co	0.0%	\$0	38,683,000	0.0%	
Lake Worth City of	0.0%	\$0	34,655,000	0.0%	
Leesburg City of	0.0%	\$0	31,352,000	0.0%	
Okefenoke Rural El Member Corp	0.0%	\$0	29,898,000	0.0%	
Central Florida Elec Coop Inc	0.0%	\$0	27,286,000	0.0%	
Peace River Electric Coop Inc	0.0%	\$0	26,920,000	0.0%	
St Cloud City of	0.0%	\$0	25,385,000	0.0%	
Bartow City of	0.0%	\$0	24,860,000	0.0%	
West Florida El Coop Assn Inc	0.0%	\$0	24,812,000	0.0%	
New Smyrna Beach Utils Comm	0.0%	\$0	24,692,000	0.0%	
Suwannee Valley Elec Coop Inc	0.0%	\$0	23,689,000	0.0%	
Glades Electric Coop Inc	0.0%	\$0	22,552,000	0.0%	
Homestead City of	0.0%	\$0	21,787,000	0.0%	
Gulf Coast Electric Coop Inc	0.0%	\$0	16,990,000	0.0%	
Tri-County Electric Coop Inc	0.0%	\$0	16,296,000	0.0%	
Quincy City of	0.0%	\$0	10,772,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Florida - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Escambia River Elec Coop Inc	0.0%	\$0	10,718,000	0.0%	
Green Cove Springs City of	0.0%	\$0	8,297,000	0.0%	
Clewiston City of	0.0%	\$0	7,957,000	0.0%	
Mount Dora City of	0.0%	\$0	5,849,000	0.0%	
Starke City of	0.0%	\$0	5,479,000	0.0%	
Alachua City of	0.0%	\$0	5,125,000	0.0%	
Wauchula City of	0.0%	\$0	4,376,000	0.0%	
Fort Meade City of	0.0%	\$0	3,664,000	0.0%	
Chattahoochee City of	0.0%	\$0	3,224,000	0.0%	
Newberry City of	0.0%	\$0	2,624,000	0.0%	
Blountstown City of	0.0%	\$0	2,475,000	0.0%	
Williston City of	0.0%	\$0	2,394,000	0.0%	
Havana Power & Light Co	0.0%	\$0	2,052,000	0.0%	
Bushnell City of	0.0%	\$0	1,749,000	0.0%	
Moore Haven City of	0.0%	\$0	1,413,000	0.0%	
Miami Power Corp	0.0%	\$0	27,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Georgia.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Central Georgia El Member Corp	1.1%	\$412,000	36,646,000	8140%	
Ocmulgee Electric Member Corp	0.9%	\$97,000	11,399,000	0.0%	
Hart County Elec Member Corp	0.8%	\$250,000	32,660,000	66.7%	
Tri-County Elec Member Corp	0.7%	\$118,000	17,582,000	0.0%	
Grady County El Member Corp	0.6%	\$110,000	17,671,000	1000%	
Colquitt Electric Members Corp	0.5%	\$328,000	66,171,000	0.0%	
Flint Electric Membership Corp	0.5%	\$360,000	79,063,000	39.5%	
Sawnee Electric Member Corp	0.4%	\$416,000	111,758,000	715.7%	59
GreyStone Power Corp	0.3%	\$262,000	83,241,000	0.0%	
Cobb Electric Membership Corp	0.2%	\$300,000	204,812,000	66.7%	83
Amicalola Electric Member Corp	0.1%	\$22,000	31,852,000	83.3%	
Douglas City of	0.1%	\$8,000	16,122,000	300.0%	
Jefferson Electric Member Corp	0.0%	\$12,000	34,429,000	9.1%	
Satilla Rural Elec Member Corp	0.0%	\$5,000	48,488,000	66.7%	
Georgia Power Co	0.0%	\$0	4,383,320,000	-100%	N/A
Oglethorpe Power Corp	0.0%	\$0	1,047,784,000	0.0%	N/A
Chattanooga City of	0.0%	\$0	307,882,000	0.0%	N/A
Savannah Electric & Power Co	0.0%	\$0	225,872,000	-100%	N/A
Jackson Electric Member Corp	0.0%	\$0	185,501,000	-100%	N/A
North Georgia Elec Member Corp	0.0%	\$0	117,203,000	0.0%	N/A
Walton Electric Member Corp	0.0%	\$0	110,350,000	-100%	N/A
Georgia Transmission Corp	0.0%	\$0	87,034,000	0.0%	
Marietta City of	0.0%	\$0	77,465,000	0.0%	
Snapping Shoals El Member Corp	0.0%	\$0	68,416,000	-100%	
Coweta-Fayette El Member Corp	0.0%	\$0	64,435,000	-100%	
Albany Water Gas & Light Comm	0.0%	\$0	56,335,000	0.0%	
Carroll Electric Member Corp	0.0%	\$0	44,533,000	0.0%	
Dalton City of	0.0%	\$0	42,326,000	0.0%	
Thomasville City of	0.0%	\$0	30,446,000	0.0%	
Okefenoke Rural El Member Corp	0.0%	\$0	29,898,000	0.0%	
Mitchell Electric Member Corp	0.0%	\$0	29,098,000	0.0%	
Troup County Elec Member Corp	0.0%	\$0	28,866,000	0.0%	
Cartersville City of	0.0%	\$0	27,983,000	0.0%	
Blue Ridge Mountain E M C	0.0%	\$0	27,970,000	0.0%	
La Grange City of	0.0%	\$0	27,415,000	0.0%	
Griffin City of	0.0%	\$0	25,573,000	0.0%	
Altamaha Electric Member Corp	0.0%	\$0	24,149,000	-100%	
Habersham Electric Member Corp	0.0%	\$0	24,075,000	0.0%	
Washington Elec Member Corp	0.0%	\$0	22,317,000	0.0%	
Canoochee Electric Member Corp	0.0%	\$0	22,080,000	0.0%	
Calhoun City of	0.0%	\$0	21,822,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Georgia - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
East Point City of	0.0%	\$1,000	21,602,000	0.0%	
Sumter Electric Member Corp	0.0%	\$0	20,007,000	0.0%	
Excelsior Electric Member Corp	0.0%	\$0	19,254,000	0.0%	
Crisp County Power Comm	0.0%	\$0	18,243,000	0.0%	
Haywood Electric Member Corp	0.0%	\$0	17,926,000	-100%	
College Park City of	0.0%	\$0	17,272,000	0.0%	
Covington City of	0.0%	\$0	17,242,000	0.0%	
Sylvania City of	0.0%	\$0	17,118,000	0.0%	
Lamar Electric Membership Corp	0.0%	\$0	16,296,000	0.0%	
Lawrenceville City of	0.0%	\$0	16,049,000	0.0%	
Oconee Electric Member Corp	0.0%	\$0	15,989,000	0.0%	
Rayle Electric Membership Corp	0.0%	\$0	15,757,000	-100%	
Coastal Electric Member Corp	0.0%	\$0	15,372,000	-100%	
Planters Electric Member Corp	0.0%	\$0	14,781,000	0.0%	
Three Notch Elec Member Corp	0.0%	\$0	14,288,000	0.0%	
Fitzgerald Wtr Lgt & Bond Comm	0.0%	\$0	13,436,000	0.0%	
Moultrie City of	0.0%	\$0	13,207,000	0.0%	
Irwin County Elec Member Corp	0.0%	\$0	12,055,000	0.0%	
Newnan Wtr Sewer & Light Comm	0.0%	\$0	11,636,000	0.0%	
Little Ocmulgee EI Member Corp	0.0%	\$0	9,880,000	0.0%	
Monroe Water Light & Gas Comm	0.0%	\$0	8,746,000	0.0%	
Cairo City of	0.0%	\$0	8,639,000	0.0%	
Elberton City of	0.0%	\$0	8,265,000	0.0%	
Slash Pine Elec Member Corp	0.0%	\$0	8,189,000	0.0%	
Upson County Elec Member Corp	0.0%	\$0	8,029,000	0.0%	
Middle Georgia EI Member Corp	0.0%	\$0	7,968,000	0.0%	
Thomaston City of	0.0%	\$0	7,968,000	0.0%	
Washington City of	0.0%	\$0	7,447,000	0.0%	
Fort Valley Utility Comm	0.0%	\$0	7,239,000	0.0%	
La Fayette City of	0.0%	\$0	6,298,000	0.0%	
Adel City of	0.0%	\$0	6,195,000	0.0%	
Camilla City of	0.0%	\$0	5,998,000	0.0%	
Blakely City of	0.0%	\$0	5,664,000	0.0%	
Buford City of	0.0%	\$0	5,621,000	0.0%	
Sylvester City of	0.0%	\$0	5,506,000	0.0%	
Sandersville City of	0.0%	\$0	5,331,000	0.0%	
Norcross City of	0.0%	\$0	5,046,000	0.0%	
Forsyth City of	0.0%	\$0	4,975,000	0.0%	
Pataula Electric Member Corp	0.0%	\$0	4,975,000	0.0%	
Acworth City of	0.0%	\$0	4,332,000	0.0%	
Quitman City of	0.0%	\$0	4,174,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Georgia - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Barnesville City of	0.0%	\$0	4,135,000	0.0%	
Commerce City of	0.0%	\$0	3,718,000	0.0%	
West Point City of	0.0%	\$0	3,200,000	0.0%	
Jackson City of	0.0%	\$0	2,997,000	0.0%	
Fairburn City of	0.0%	\$0	2,704,000	0.0%	
Palmetto City of	0.0%	\$0	1,889,000	0.0%	
Chickamauga City of	0.0%	\$0	1,840,000	0.0%	
Hogansville City of	0.0%	\$0	1,782,000	0.0%	
Monticello City of	0.0%	\$0	1,703,000	0.0%	
Ellaville City of	0.0%	\$0	1,560,000	0.0%	
Oxford City of	0.0%	\$0	1,127,000	0.0%	
Hampton City of	0.0%	\$0	942,000	0.0%	
Doerun City of	0.0%	\$0	560,000	0.0%	
Whigham City of	0.0%	\$0	489,000	0.0%	
Mansfield Town of	0.0%	\$0	400,000	0.0%	
Grantville City of	0.0%	\$0	371,000	0.0%	
Brinson Town of	0.0%	\$0	106,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Hawaii.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Maui Electric Co Ltd	0.9%	\$1,417,000	152,947,000	1303%	29
Hawaiian Electric Co Inc	0.8%	\$6,515,000	784,688,000	573.0%	32
Hawaii Electric Light Co Inc	0.0%	\$0	161,120,000	-100%	N/A

\* Rankings are for utilities with revenues over \$100 million in 1997. There are 268 utilities included in the ranking. N/A appears for utilities with revenues above \$100 million that could not be ranked because they did not invest in energy efficiency programs.

Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.





**Investment in energy efficiency programs by utilities operating in Idaho.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Washington Water Power Co	0.4%	\$3,225,000	725,883,000	-85.9%	51
Idaho Power Co	0.3%	\$2,336,000	748,503,000	-72.8%	64
PacifiCorp	0.1%	\$4,982,000	3,683,923,000	-87.9%	84
Idaho Falls City of	0.0%	\$0	38,914,000	0.0%	
Inland Power & Light Co	0.0%	\$0	31,887,000	0.0%	
Lower Valley Power & Light Inc	0.0%	\$0	26,371,000	0.0%	
Northern Lights Inc	0.0%	\$0	14,391,000	0.0%	
Kootenai Electric Coop Inc	0.0%	\$0	14,218,000	-100%	
Fall River Rural Elec Coop Inc	0.0%	\$0	11,299,000	0.0%	
Clearwater Power Co	0.0%	\$0	10,447,000	0.0%	
Missoula Electric Coop Inc	0.0%	\$0	9,819,000	0.0%	
Salmon River Electric Coop Inc	0.0%	\$0	8,395,000	0.0%	
Raft River Rural Elec Coop Inc	0.0%	\$0	7,016,000	0.0%	
Vigilante Electric Coop Inc	0.0%	\$0	6,423,000	0.0%	
Burley City of	0.0%	\$0	6,087,000	0.0%	
Rural Electric Co	0.0%	\$0	4,169,000	0.0%	
Rupert City of	0.0%	\$0	3,754,000	0.0%	
Heyburn City of	0.0%	\$0	3,448,000	0.0%	
Unity Light & Power Co	0.0%	\$0	3,222,000	0.0%	
Bonnars Ferry City of	0.0%	\$0	3,219,000	0.0%	
Idaho Cnty L&P Coop Assn Inc	0.0%	\$0	3,079,000	0.0%	
Lost River Electric Coop Inc	0.0%	\$0	2,787,000	0.0%	
Weiser City of	0.0%	\$0	1,871,000	0.0%	
South Side Electric Lines Inc	0.0%	\$0	1,603,000	0.0%	
Soda Springs City of	0.0%	\$0	1,458,000	0.0%	
Plummer City of	0.0%	\$0	1,333,000	0.0%	
East End Mutual Elec Co Ltd	0.0%	\$0	744,000	0.0%	
Albion City of	0.0%	\$0	167,000	0.0%	
Farmers Electric Co Ltd	0.0%	\$0	153,000	0.0%	
Declo City of	0.0%	\$0	119,000	0.0%	
Atlanta Power Co Inc	0.0%	\$0	51,000	0.0%	
Minidoka City of	0.0%	\$0	41,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Illinois.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Interstate Power Co	1.5%	\$4,138,000	277,340,000	113.4%	14
Springfield City of	0.2%	\$208,000	105,121,000	5.6%	79
Eastern Illini Electric Coop	0.1%	\$25,000	20,426,000	0.0%	
Union Electric Co	0.1%	\$2,248,000	2,188,571,000	0.0%	92
Grant Electric Coop	0.1%	\$7,000	10,262,000	40.0%	
Central Illinois Light Co	0.0%	\$104,000	338,298,000	13.0%	115
Southeastern IL Elec Coop Inc	0.0%	\$7,000	35,722,000	0.0%	
Commonwealth Edison Co	0.0%	\$0	7,073,086,000	-100%	N/A
Illinois Power Co	0.0%	\$0	1,419,941,000	-100%	N/A
Central Illinois Pub Serv Co	0.0%	\$0	700,517,000	0.0%	N/A
Illinois Municipal Elec Agency	0.0%	\$0	69,828,000	0.0%	
Naperville City of	0.0%	\$0	55,459,000	0.0%	
Southern Illinois Power Coop	0.0%	\$0	49,184,000	0.0%	
Southwestern Electric Coop Inc	0.0%	\$0	28,472,000	0.0%	
Corn Belt Electric Coop Inc	0.0%	\$0	25,896,000	0.0%	
Tri-County Electric Coop Inc	0.0%	\$0	24,289,000	0.0%	
St Charles City of	0.0%	\$0	22,900,000	0.0%	
Wayne-White Counties Elec Coop	0.0%	\$0	22,174,000	0.0%	
Norris Electric Coop	0.0%	\$0	18,915,000	0.0%	
Shelby Electric Coop	0.0%	\$0	17,005,000	0.0%	
Egyptian Electric Coop Assn	0.0%	\$0	16,067,000	0.0%	
Batavia City of	0.0%	\$0	15,939,000	0.0%	
Menard Electric Coop	0.0%	\$0	14,029,000	0.0%	
Coles-Moultrie Electric Coop	0.0%	\$0	13,824,000	0.0%	
Illinois Rural Electric Co	0.0%	\$0	13,311,000	0.0%	
Southern Illinois Elec Coop	0.0%	\$0	13,054,000	0.0%	
Rochelle Municipal Utilities	0.0%	\$0	11,853,000	0.0%	
Geneva City of	0.0%	\$0	10,616,000	0.0%	
Adams Electrical Coop	0.0%	\$0	10,561,000	0.0%	
M J M Electric Coop Inc	0.0%	\$0	10,366,000	0.0%	
Winnetka Village of	0.0%	\$0	10,069,000	0.0%	
Rantoul Village of	0.0%	\$0	10,034,000	0.0%	
South Beloit Water Gas&Elec Co	0.0%	\$0	9,636,000	0.0%	
Peru City of	0.0%	\$0	9,348,000	0.0%	
Mt Carmel Public Utility Co	0.0%	\$0	9,227,000	0.0%	
Illinois Valley Elec Coop Inc	0.0%	\$0	8,832,000	0.0%	
Clinton County Elec Coop Inc	0.0%	\$0	8,246,000	0.0%	
Rural Electric Conven Coop	0.0%	\$0	8,226,000	0.0%	
Edgar Electric Coop Assn	0.0%	\$0	7,965,000	0.0%	
Monroe County Elec Coop Inc	0.0%	\$0	7,439,000	0.0%	
Highland City of	0.0%	\$0	7,173,000	0.0%	

\* Rankings are for utilities with revenues over \$100 million in 1997. There are 268 utilities included in the ranking. N/A appears for utilities with revenues above \$100 million that could not be ranked because they did not invest in energy efficiency programs.

Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Illinois - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Princeton City of	0.0%	\$0	6,974,000	0.0%	
Jo-Carroll Electric Coop Inc	0.0%	\$0	6,292,000	0.0%	
Rock Falls City of	0.0%	\$0	6,230,000	0.0%	
McDonough Power Coop	0.0%	\$0	6,174,000	0.0%	
Flora City of	0.0%	\$0	6,057,000	0.0%	
Spoon River Electric Coop Inc	0.0%	\$0	5,392,000	0.0%	
Rock County Electric Coop Assn	0.0%	\$0	5,123,000	0.0%	
Oglesby City of	0.0%	\$0	4,805,000	0.0%	
Cairo Public Utility Comm	0.0%	\$0	4,663,000	0.0%	
Marshall City of	0.0%	\$0	4,363,000	0.0%	
Western Illinois Elec Coop	0.0%	\$0	4,307,000	0.0%	
Fairfield City of	0.0%	\$0	4,243,000	0.0%	
Metropolis City of	0.0%	\$0	3,893,000	0.0%	
Clay Electric Coop Inc	0.0%	\$0	3,774,000	0.0%	
Geneseo City of	0.0%	\$0	3,612,000	0.0%	
Waterloo City of	0.0%	\$0	3,534,000	0.0%	
Carmi City of	0.0%	\$0	3,398,000	0.0%	
Sullivan City of	0.0%	\$0	3,316,000	0.0%	
Mascoutah City of	0.0%	\$0	2,924,000	0.0%	
Carlyle City of	0.0%	\$0	2,616,000	0.0%	
Casey City of	0.0%	\$0	2,595,000	0.0%	
Chatham Village of	0.0%	\$0	2,449,000	0.0%	
Breese City of	0.0%	\$0	2,226,000	0.0%	
Red Bud City of	0.0%	\$0	2,118,000	0.0%	
Bushnell City of	0.0%	\$0	1,916,000	0.0%	
Freeburg Village of	0.0%	\$0	1,782,000	0.0%	
Farmers Mutual Electric Co	0.0%	\$0	1,754,000	0.0%	
Newton City of	0.0%	\$0	1,662,000	0.0%	
Altamont City of	0.0%	\$0	1,559,000	0.0%	
Riverton Village of	0.0%	\$0	1,535,000	0.0%	
McLeansboro City of	0.0%	\$0	1,477,000	0.0%	
Farmer City City of	0.0%	\$0	1,354,000	0.0%	
Roodhouse City of	0.0%	\$0	956,000	0.0%	
Greenup Village of	0.0%	\$0	851,000	0.0%	
Ladd Village of	0.0%	\$0	752,000	0.0%	
Bethany Village of	0.0%	\$0	563,000	0.0%	
Albany City of	0.0%	\$0	288,000	0.0%	
Allendale City of	0.0%	\$0	215,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Indiana.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
PSI Energy Inc	0.2%	\$4,742,000	1,958,469,000	-81.6%	72
Indianapolis Power & Light Co	0.1%	\$517,000	738,134,000	-30.4%	102
Southern Indiana Gas & Elec Co	0.1%	\$131,000	273,453,000	-92.3%	109
Indiana Michigan Power Co	0.0%	\$0	1,391,917,000	-100%	N/A
Northern Indiana Pub Serv Co	0.0%	\$0	1,017,083,000	0.0%	N/A
Hoosier Energy R E C Inc	0.0%	\$0	280,880,000	0.0%	N/A
Indiana Municipal Power Agency	0.0%	\$0	156,978,000	0.0%	N/A
Indiana-Kentucky Electric Corp	0.0%	\$0	148,265,000	0.0%	N/A
Alcoa Generating Corp	0.0%	\$0	72,967,000	0.0%	
Lafayette Public Power Auth	0.0%	\$0	42,926,000	0.0%	
Richmond City of	0.0%	\$0	40,631,000	0.0%	
Anderson City of	0.0%	\$0	34,624,000	0.0%	
Mishawaka City of	0.0%	\$0	30,171,000	0.0%	
South Central Indiana REMC	0.0%	\$0	28,295,000	0.0%	
Northeastern Rural E M C	0.0%	\$0	25,372,000	0.0%	
Southeastern Indiana R E M C	0.0%	\$0	23,639,000	0.0%	
Jackson County Rural E M C	0.0%	\$0	23,413,000	0.0%	
Fruit Belt Electric Coop	0.0%	\$0	22,095,000	0.0%	
Auburn City of	0.0%	\$0	21,812,000	0.0%	
Harrison County Rural E M C	0.0%	\$0	21,645,000	0.0%	
Hendricks County Rural E M C	0.0%	\$0	20,973,000	0.0%	
Western Indiana Energy REMC	0.0%	\$0	20,765,000	0.0%	
United Rural Elec Member Corp	0.0%	\$0	19,932,000	0.0%	
Logansport City of	0.0%	\$0	19,391,000	0.0%	
Crawfordsville Elec Lgt&Pwr Co	0.0%	\$0	19,171,000	-100%	
Tipmont Rural Elec Member Corp	0.0%	\$0	18,652,000	0.0%	
Clark County Rural E M C	0.0%	\$0	17,608,000	0.0%	
Utilities Dist-Western IN REMC	0.0%	\$0	16,351,000	-100%	
Johnson County Rural E M C	0.0%	\$0	15,887,000	0.0%	
Frankfort City of	0.0%	\$0	14,698,000	0.0%	
Kosciusko County Rural E M C	0.0%	\$0	14,435,000	0.0%	
Jasper City of	0.0%	\$0	14,151,000	0.0%	
Bartholomew County Rural E M C	0.0%	\$0	13,949,000	0.0%	
Paulding-Putman Elec Coop Inc	0.0%	\$0	13,587,000	0.0%	
Kankakee Valley Rural E M C	0.0%	\$0	13,464,000	0.0%	
Parke County Rural E M C	0.0%	\$0	12,298,000	0.0%	
Dubois Rural Electric Coop Inc	0.0%	\$0	12,017,000	0.0%	
Whitewater Valley R E M C	0.0%	\$0	11,831,000	0.0%	
Decatur County Rural E M C	0.0%	\$0	11,763,000	0.0%	
Noble County Rural E M C	0.0%	\$0	10,987,000	0.0%	
Boone County Rural E M C	0.0%	\$0	10,464,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Indiana - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Peru City of	0.0%	\$0	9,892,000	0.0%	
Hancock County Rural E M C	0.0%	\$0	9,567,000	0.0%	
Greenfield City of	0.0%	\$0	9,430,000	0.0%	
Southern Indiana R E C Inc	0.0%	\$0	9,423,000	0.0%	
Shelby County Rural E M C	0.0%	\$0	9,229,000	0.0%	
Daviess Martin County R E M C	0.0%	\$0	9,190,000	0.0%	
Bluffton City of	0.0%	\$0	9,058,000	0.0%	
Henry County Rural E M C	0.0%	\$0	8,610,000	0.0%	
Carroll County Rural E M C	0.0%	\$0	8,172,000	0.0%	
Scottsburg City of	0.0%	\$0	8,092,000	0.0%	
Wabash County Rural E M C	0.0%	\$0	8,058,000	0.0%	
Jasper County Rural E M C	0.0%	\$0	7,784,000	0.0%	
Lebanon City of	0.0%	\$0	7,751,000	0.0%	
Tell City City of	0.0%	\$0	7,608,000	0.0%	
Washington City of	0.0%	\$0	7,475,000	0.0%	
White County Rural E M C	0.0%	\$0	7,039,000	0.0%	
Orange County Rural E M C	0.0%	\$0	6,782,000	0.0%	
Miami-Cass County Rural E M C	0.0%	\$0	6,586,000	0.0%	
Steuben County Rural E M C	0.0%	\$0	6,554,000	0.0%	
Jay County Rural E M C	0.0%	\$0	6,467,000	0.0%	
Lagrange County Rural E M C	0.0%	\$0	6,339,000	0.0%	
Marshall County Rural E M C	0.0%	\$0	6,079,000	0.0%	
Bremen Town of	0.0%	\$0	5,860,000	0.0%	
Columbia City City of	0.0%	\$0	5,771,000	0.0%	
Warren County Rural E M C	0.0%	\$0	5,589,000	0.0%	
Rush County Rural E M C	0.0%	\$0	5,404,000	0.0%	
Fulton County Rural E M C	0.0%	\$0	5,269,000	0.0%	
Huntingburg City of	0.0%	\$0	4,574,000	0.0%	
Boonville City of	0.0%	\$0	4,342,000	0.0%	
Edinburg City of	0.0%	\$0	4,308,000	0.0%	
Lawrenceburg City of	0.0%	\$0	4,257,000	0.0%	
Garrett City of	0.0%	\$0	3,894,000	0.0%	
Rensselaer City of	0.0%	\$0	3,834,000	0.0%	
Linton City of	0.0%	\$0	3,813,000	0.0%	
Winamac Town of	0.0%	\$0	3,796,000	0.0%	
Greendale Town of	0.0%	\$0	3,768,000	0.0%	
Gas City City of	0.0%	\$0	2,948,000	0.0%	
Bargersville Town of	0.0%	\$0	2,861,000	0.0%	
Pendleton Town of	0.0%	\$0	2,241,000	0.0%	
Paoli Town of	0.0%	\$0	2,175,000	0.0%	
Walkerton City of	0.0%	\$0	2,173,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Indiana - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Argos Town of	0.0%	\$0	2,116,000	0.0%	
Ferdinand Town of	0.0%	\$0	1,898,000	0.0%	
Rising Sun City of	0.0%	\$0	1,871,000	0.0%	
Rockville Town of	0.0%	\$0	1,754,000	0.0%	
Newton County Rural E M C	0.0%	\$0	1,671,000	0.0%	
Veedersburg Town of	0.0%	\$0	1,668,000	0.0%	
Avilla Town of	0.0%	\$0	1,463,000	0.0%	
Covington City of	0.0%	\$0	1,425,000	0.0%	
Cannelton City of	0.0%	\$0	1,343,000	0.0%	
Hagerstown Town of	0.0%	\$0	1,198,000	0.0%	
Warren Town of	0.0%	\$0	1,144,000	0.0%	
Flora Town of	0.0%	\$0	1,143,000	0.0%	
Knightstown Town of	0.0%	\$0	1,129,000	0.0%	
Centerville Town of	0.0%	\$0	1,070,000	0.0%	
South Whitley Town of	0.0%	\$0	1,007,000	0.0%	
Darlington Light & Power Co	0.0%	\$0	998,000	0.0%	
Middletown Town of	0.0%	\$0	989,000	0.0%	
Williamspport City of	0.0%	\$0	955,000	0.0%	
Frankton Town of	0.0%	\$0	859,000	0.0%	
Thorntown City of	0.0%	\$0	815,000	0.0%	
Brookston Town of	0.0%	\$0	780,000	0.0%	
New Carlisle Town of	0.0%	\$0	759,000	0.0%	
Troy City of	0.0%	\$0	667,000	0.0%	
Montezuma Town of	0.0%	\$0	598,000	0.0%	
Brooklyn Town of	0.0%	\$0	516,000	0.0%	
West Harrison Gas & Elec Co	0.0%	\$0	501,000	0.0%	
Ladoga Town of	0.0%	\$0	478,000	0.0%	
Jamestown City of	0.0%	\$0	448,000	0.0%	
Pittsboro Town of	0.0%	\$0	414,000	0.0%	
Kingsford Heights Town of	0.0%	\$0	409,000	0.0%	
Spiceland Town of	0.0%	\$0	393,000	0.0%	
Etna Green Town of	0.0%	\$0	356,000	0.0%	
Waynetown City of	0.0%	\$0	344,000	0.0%	
Advance Town of	0.0%	\$0	316,000	0.0%	
Bainbridge Town of	0.0%	\$0	281,000	0.0%	
Dublin Town of	0.0%	\$0	251,000	0.0%	
Coatesville Town of	0.0%	\$0	230,000	0.0%	
Chalmers Town of	0.0%	\$0	227,000	0.0%	
New Ross City of	0.0%	\$0	146,000	0.0%	
Lewisville City of	0.0%	\$0	115,000	0.0%	
Dunreith City of	0.0%	\$0	97,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Indiana - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Straughn Town of	0.0%	\$0	87,000	0.0%	
Town of Crane	0.0%	\$0	74,000	0.0%	
Commonwealth Edison Co IN Inc	0.0%	\$0	0	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Iowa.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Glidden Rural Electric Coop	2.9%	\$82,000	2,864,000	0.0%	
IES Utilities Inc	2.1%	\$12,754,000	604,270,000	380.0%	7
Pella City of	2.0%	\$229,000	11,367,000	81.8%	
Cedar Falls City of	1.9%	\$300,000	16,206,000	43.5%	
Southern Iowa Elec Coop Inc	1.6%	\$92,000	5,711,000	0.0%	
Interstate Power Co	1.5%	\$4,138,000	277,340,000	113.4%	14
Iowa Lakes Electric Coop	1.3%	\$240,000	18,427,000	69.0%	
Spencer City of	0.8%	\$46,000	6,038,000	0.0%	
Atlantic City of	0.8%	\$38,000	5,044,000	0.0%	
Central Iowa Power Coop	0.4%	\$368,000	90,589,000	-39.9%	
Northwest Iowa Power Coop	0.4%	\$117,000	33,683,000	143.8%	
Webster City City of	0.3%	\$28,000	9,111,000	0.0%	
MidAmerican Energy Co	0.3%	\$2,767,000	1,126,300,000	0.0%	69
Tri-County Electric Coop	0.2%	\$36,000	16,208,000	3500%	
Muscatine City of	0.2%	\$100,000	50,335,000	-59.5%	
Midland Power Cooperative	0.1%	\$7,000	14,912,000	-91.1%	
Eastern Iowa Light&Power Coop	0.0%	\$0	32,425,000	0.0%	
Ames City of	0.0%	\$0	25,411,000	-100%	
Maquoketa Valley Rrl Elec Coop	0.0%	\$0	16,632,000	0.0%	
Linn County Rural E C A	0.0%	\$0	16,253,000	0.0%	
East-Central Iowa R E C	0.0%	\$0	11,585,000	0.0%	
S E Iowa Coop Electric Assn	0.0%	\$0	10,589,000	0.0%	
United Electric Coop, Inc	0.0%	\$0	9,969,000	0.0%	
Butler County Rural Elec Coop	0.0%	\$0	8,606,000	0.0%	
Allamakee-Clayton El Coop Inc	0.0%	\$0	8,539,000	0.0%	
Hawkeye Tri-County El Coop Inc	0.0%	\$0	8,376,000	0.0%	
T I P Rural Electric Coop	0.0%	\$0	8,215,000	0.0%	
Grundy Electric Coop Inc	0.0%	\$0	7,969,000	0.0%	
Farmers Electric Coop Inc	0.0%	\$0	7,896,000	0.0%	
South Crawford Rural Elec Corp	0.0%	\$0	7,561,000	0.0%	
North West Rural Elec Coop	0.0%	\$0	7,077,000	0.0%	
Waverly City of	0.0%	\$0	6,815,000	0.0%	
Nobles Coop Electric	0.0%	\$0	6,118,000	0.0%	
Wright County Rural Elec Coop	0.0%	\$0	6,035,000	0.0%	
Marshall County Rrl Elec Coop	0.0%	\$0	5,910,000	0.0%	
Nishnabotna Valley R E C	0.0%	\$0	5,696,000	0.0%	
Clarke Electric Coop Inc	0.0%	\$0	5,579,000	0.0%	
Guthrie County Rural E C A	0.0%	\$0	5,564,000	0.0%	
Algona City of	0.0%	\$0	5,240,000	0.0%	
Charlton Valley Elec Coop Inc	0.0%	\$0	5,222,000	0.0%	
Denison City of	0.0%	\$0	5,096,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.





**Investment in energy efficiency programs by utilities operating in Iowa - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Maquoketa City of	0.0%	\$0	4,937,000	0.0%	
Indianola City of	0.0%	\$0	4,674,000	0.0%	
Amana Society Service Co	0.0%	\$0	4,632,000	0.0%	
Plymouth Electric Coop Assn	0.0%	\$0	4,490,000	0.0%	
Mt Pleasant City of	0.0%	\$0	4,263,000	0.0%	
Cedar Valley Electric Coop	0.0%	\$0	4,232,000	0.0%	
Woodbury County Rural E C A	0.0%	\$0	4,214,000	0.0%	
Harrison County Rrl Elec Coop	0.0%	\$0	3,885,000	0.0%	
Independence City of	0.0%	\$0	3,853,000	0.0%	
Hancock County Rural Elec Coop	0.0%	\$0	3,706,000	0.0%	
Atchison-Holt Electric Coop	0.0%	\$0	3,628,000	0.0%	
Grundy County Rural Elec Coop	0.0%	\$0	3,582,000	0.0%	
Harlan City of	0.0%	\$0	3,524,000	0.0%	
Rideta Electric Coop Inc	0.0%	\$0	3,407,000	0.0%	
Lyon Rural Electric Coop	0.0%	\$0	3,391,000	0.0%	
Humboldt County R E C	0.0%	\$0	3,387,000	0.0%	
Pella Coop Elec Assn	0.0%	\$0	3,355,000	0.0%	
Forest City City of	0.0%	\$0	3,308,000	0.0%	
Orange City City of	0.0%	\$0	3,294,000	0.0%	
Sioux Center City of	0.0%	\$0	3,292,000	0.0%	
Franklin Rural Electric Coop	0.0%	\$0	3,074,000	0.0%	
New Hampton City of	0.0%	\$0	3,001,000	0.0%	
Winterset City of	0.0%	\$0	2,856,000	0.0%	
Winnebago Rural Elec Coop Assn	0.0%	\$0	2,830,000	0.0%	
Estherville City of	0.0%	\$0	2,825,000	0.0%	
Lake Mills City of	0.0%	\$0	2,760,000	0.0%	
Ida County Rural Electric Coop	0.0%	\$0	2,619,000	0.0%	
Story City City of	0.0%	\$0	2,438,000	0.0%	
Adams County Coop Electric Co	0.0%	\$0	2,399,000	0.0%	
Calhoun County Elec Coop Assn	0.0%	\$0	2,381,000	0.0%	
West Liberty City of	0.0%	\$0	2,355,000	0.0%	
Osage City of	0.0%	\$0	2,299,000	0.0%	
Vinton City of	0.0%	\$0	2,285,000	0.0%	
Eldridge City of	0.0%	\$0	2,090,000	0.0%	
Nyman Electric Coop Inc	0.0%	\$0	1,980,000	0.0%	
Bloomfield City of	0.0%	\$0	1,951,000	0.0%	
Tipton City of	0.0%	\$0	1,901,000	0.0%	
Sibley City of	0.0%	\$0	1,793,000	0.0%	
Greenfield City of	0.0%	\$0	1,748,000	0.0%	
Sac County Rural Electric Coop	0.0%	\$0	1,681,000	0.0%	
Osceola Electric Coop Inc	0.0%	\$0	1,678,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Iowa - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Grundy Center City of	0.0%	\$0	1,630,000	0.0%	
Manning City of	0.0%	\$0	1,594,000	0.0%	
Hawarden City of	0.0%	\$0	1,566,000	0.0%	
Onawa City of	0.0%	\$0	1,469,000	0.0%	
Laurens City of	0.0%	\$0	1,461,000	0.0%	
Wilton City of	0.0%	\$0	1,433,000	0.0%	
Milford City of	0.0%	\$0	1,364,000	0.0%	
Fredericksburg City of	0.0%	\$0	1,355,000	0.0%	
Sergeant Bluff City of	0.0%	\$0	1,350,000	0.0%	
Bellevue City of	0.0%	\$0	1,334,000	0.0%	
Traer City of	0.0%	\$0	1,310,000	0.0%	
Coon Rapids City of	0.0%	\$0	1,304,000	0.0%	
New London Municipal Utilities	0.0%	\$0	1,303,000	0.0%	
Lamoni City of	0.0%	\$0	1,262,000	0.0%	
Montezuma City of	0.0%	\$0	1,232,000	0.0%	
Carlisle City of	0.0%	\$0	1,164,000	0.0%	
Rock Rapids City of	0.0%	\$0	1,135,000	0.0%	
State Center City of	0.0%	\$0	1,087,000	0.0%	
Guttenberg City of	0.0%	\$0	1,076,000	0.0%	
Pocahontas City of	0.0%	\$0	976,000	0.0%	
Durant City of	0.0%	\$0	935,000	0.0%	
Stuart City of	0.0%	\$0	924,000	0.0%	
Cascade City of	0.0%	\$0	920,000	0.0%	
Lake View City of	0.0%	\$0	917,000	0.0%	
West Point City of	0.0%	\$0	899,000	0.0%	
Hartley City of	0.0%	\$0	888,000	0.0%	
Sumner City of	0.0%	\$0	882,000	0.0%	
Ogden City of	0.0%	\$0	872,000	0.0%	
Keosauqua City of	0.0%	\$0	865,000	0.0%	
Sanborn City of	0.0%	\$0	822,000	0.0%	
La Porte City City of	0.0%	\$0	810,000	0.0%	
Hudson City of	0.0%	\$0	802,000	0.0%	
Panora City of	0.0%	\$0	793,000	0.0%	
Mapleton City of	0.0%	\$0	779,000	0.0%	
Lenox City of	0.0%	\$0	751,000	0.0%	
Brooklyn City of	0.0%	\$0	747,000	0.0%	
Akron City of	0.0%	\$0	712,000	0.0%	
Strawberry Point City of	0.0%	\$0	690,000	0.0%	
Corning City of	0.0%	\$0	684,000	0.0%	
Remsen City of	0.0%	\$0	677,000	0.0%	
Denver City of	0.0%	\$0	671,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Iowa - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Bancroft Municipal Utilities	0.0%	\$0	656,000	0.0%	
Dysart City of	0.0%	\$0	647,000	0.0%	
Alta City of	0.0%	\$0	636,000	0.0%	
Woodbine City of	0.0%	\$0	584,000	0.0%	
Gowrie City of	0.0%	\$0	533,000	0.0%	
Ellsworth City of	0.0%	\$0	529,000	0.0%	
Villisca City of	0.0%	\$0	509,000	0.0%	
Primghar City of	0.0%	\$0	508,000	0.0%	
Preston City of	0.0%	\$0	505,000	0.0%	
Aurelia City of	0.0%	\$0	495,000	0.0%	
Graettinger City of	0.0%	\$0	494,000	0.0%	
Lake Park City of	0.0%	\$0	493,000	0.0%	
Paullina City of	0.0%	\$0	492,000	0.0%	
McGregor City of	0.0%	\$0	479,000	0.0%	
Hopkinton City of	0.0%	\$0	470,000	0.0%	
Anita City of	0.0%	\$0	467,000	0.0%	
Grand Junction City of	0.0%	\$0	457,000	0.0%	
Wall Lake City of	0.0%	\$0	451,000	0.0%	
Fairbank City of	0.0%	\$0	434,000	0.0%	
Alton City of	0.0%	\$0	430,000	0.0%	
Glidden City of	0.0%	\$0	428,000	0.0%	
Afton City of	0.0%	\$0	419,000	0.0%	
Rockford City of	0.0%	\$0	415,000	0.0%	
Dike City of	0.0%	\$0	413,000	0.0%	
Aplington City of	0.0%	\$0	380,000	0.0%	
Stratford City of	0.0%	\$0	379,000	0.0%	
Boone Valley Electric Coop	0.0%	\$0	375,000	0.0%	
Manilla Town of	0.0%	\$0	373,000	0.0%	
Hinton City of	0.0%	\$0	366,000	0.0%	
Stanton City of	0.0%	\$0	366,000	0.0%	
Dayton City of	0.0%	\$0	363,000	0.0%	
Danville City of	0.0%	\$0	355,000	0.0%	
Anthon City of	0.0%	\$0	354,000	0.0%	
Coggon City of	0.0%	\$0	346,000	0.0%	
Fonda City of	0.0%	\$0	329,000	0.0%	
Whittemore City of	0.0%	\$0	323,000	0.0%	
Buffalo City of	0.0%	\$0	323,000	0.0%	
Larchwood City of	0.0%	\$0	318,000	0.0%	
Earlville City of	0.0%	\$0	297,000	0.0%	
Fontanelle City of	0.0%	\$0	293,000	0.0%	
Breda City of	0.0%	\$0	275,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Iowa - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Farnhamville City of	0.0%	\$0	268,000	0.0%	
Sabula City of	0.0%	\$0	267,000	0.0%	
Readlyn City of	0.0%	\$0	263,000	0.0%	
Renwick City of	0.0%	\$0	258,000	0.0%	
Burt City of	0.0%	\$0	251,000	0.0%	
Stanhope City of	0.0%	\$0	248,000	0.0%	
Shelby City of	0.0%	\$0	242,000	0.0%	
Neola City of	0.0%	\$0	240,000	0.0%	
Marathon City of	0.0%	\$0	239,000	0.0%	
Livermore City of	0.0%	\$0	228,000	0.0%	
Corwith City of	0.0%	\$0	201,000	0.0%	
Long Grove City of	0.0%	\$0	180,000	0.0%	
Lehigh City of	0.0%	\$0	177,000	0.0%	
Lawler City of	0.0%	\$0	176,000	0.0%	
Callender City of	0.0%	\$0	170,000	0.0%	
Paton City of	0.0%	\$0	165,000	0.0%	
Orient City of	0.0%	\$0	161,000	0.0%	
Woolstock City of	0.0%	\$0	151,000	0.0%	
Kimballton City of	0.0%	\$0	132,000	0.0%	
Auburn City of	0.0%	\$0	126,000	0.0%	
Alta Vista City of	0.0%	\$0	124,000	0.0%	
Bigelow City of	0.0%	\$0	122,000	0.0%	
Grafton City of	0.0%	\$0	113,000	0.0%	
Cass Electric Coop	0.0%	\$0	87,000	0.0%	
Westfield Town of	0.0%	\$0	71,000	0.0%	
Tennant City of	0.0%	\$0	36,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Kansas.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Southwestern Public Service Co	0.4%	\$3,563,000	960,682,000	281.1%	58
Kansas City Power & Light Co	0.0%	\$0	895,943,000	0.0%	N/A
Western Resources, Inc	0.0%	\$0	615,218,000	0.0%	N/A
KG&E a Western Resources Co	0.0%	\$0	612,473,000	0.0%	N/A
KAMO Electric Coop Inc	0.0%	\$0	162,053,000	0.0%	N/A
Kansas City City of	0.0%	\$0	129,013,000	0.0%	N/A
Kansas Electric Power Coop Inc	0.0%	\$0	76,949,000	0.0%	
Midwest Energy Inc	0.0%	\$0	55,070,000	0.0%	
Wheatland Electric Coop Inc	0.0%	\$0	48,890,000	0.0%	
Pioneer Electric Coop Inc	0.0%	\$0	26,548,000	0.0%	
McPherson City of	0.0%	\$0	24,779,000	0.0%	
Garden City City of	0.0%	\$0	14,030,000	0.0%	
Winfield City of	0.0%	\$0	13,199,000	0.0%	
Coffeyville City of	0.0%	\$0	12,434,000	0.0%	
Prairie Land Electric Coop Inc	0.0%	\$0	11,812,000	0.0%	
Sekan Electric Coop Assn Inc	0.0%	\$0	11,315,000	0.0%	
Kansas Municipal Energy Agency	0.0%	\$0	10,705,000	0.0%	
Western Coop Electric Assn Inc	0.0%	\$0	9,786,000	0.0%	
Alfalfa Electric Coop Inc	0.0%	\$0	9,732,000	0.0%	
Chanute City of	0.0%	\$0	9,320,000	0.0%	
Butler Rural El Coop Assn Inc	0.0%	\$0	9,079,000	0.0%	
Kaw Valley Elec Coop Co Inc	0.0%	\$0	8,806,000	0.0%	
Lyon County Electric Coop Inc	0.0%	\$0	8,349,000	0.0%	
D S & O Rural E C A Inc	0.0%	\$0	8,266,000	0.0%	
CMS Electric Coop Inc	0.0%	\$0	8,254,000	0.0%	
Victory Electric Coop Assn Inc	0.0%	\$0	8,197,000	0.0%	
Wellington City of	0.0%	\$0	7,976,000	0.0%	
Leavenworth-Jefferson E C Inc	0.0%	\$0	7,842,000	0.0%	
Ark Valley Elec Coop Assn Inc	0.0%	\$0	7,287,000	0.0%	
Ottawa City of	0.0%	\$0	6,922,000	0.0%	
Flint Hills Rural E C A Inc	0.0%	\$0	6,834,000	0.0%	
Sedgwick Cnty El Coop Assn Inc	0.0%	\$0	6,772,000	0.0%	
Sumner-Cowley Elec Coop Inc	0.0%	\$0	6,538,000	0.0%	
Lane-Scott Electric Coop Inc	0.0%	\$0	5,758,000	0.0%	
Caney Valley El Coop Assn Inc	0.0%	\$0	5,585,000	0.0%	
Iola City of	0.0%	\$0	5,408,000	0.0%	
Ninnescah Rural E C A Inc	0.0%	\$0	5,275,000	0.0%	
Russell City of	0.0%	\$0	5,010,000	0.0%	
Pratt City of	0.0%	\$0	4,724,000	0.0%	
Jewell-Mitchell Coop Elec Inc	0.0%	\$0	4,333,000	0.0%	
Radiant Electric Coop Inc	0.0%	\$0	3,959,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Kansas - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Augusta City of	0.0%	\$0	3,941,000	0.0%	
P R & W Electric Coop Assn Inc	0.0%	\$0	3,860,000	0.0%	
Brown-Atchison E C A Inc	0.0%	\$0	3,830,000	0.0%	
Gardner City of	0.0%	\$0	3,699,000	0.0%	
Goodland City of	0.0%	\$0	3,688,000	0.0%	
Smoky Hill Elec Coop Assn Inc	0.0%	\$0	3,683,000	0.0%	
C & W Rural Elec Coop Assn Inc	0.0%	\$0	3,508,000	0.0%	
N C K Electric Coop Inc	0.0%	\$0	3,270,000	0.0%	
Larned City of	0.0%	\$0	3,186,000	0.0%	
Clay Center City of	0.0%	\$0	3,180,000	0.0%	
Nemaha-Marshall E C A Inc	0.0%	\$0	3,127,000	0.0%	
Kingman City of	0.0%	\$0	3,068,000	0.0%	
Hugoton City of	0.0%	\$0	3,064,000	0.0%	
Colby City of	0.0%	\$0	3,063,000	0.0%	
Beloit City of	0.0%	\$0	2,915,000	0.0%	
Neodesha City of	0.0%	\$0	2,886,000	0.0%	
Twin Valley Electric Coop Inc	0.0%	\$0	2,738,000	0.0%	
Wamego City of	0.0%	\$0	2,622,000	0.0%	
Girard City of	0.0%	\$0	2,562,000	0.0%	
Sabetha City of	0.0%	\$0	2,560,000	0.0%	
Holton City of	0.0%	\$0	2,434,000	0.0%	
Fredonia City of	0.0%	\$0	2,331,000	0.0%	
Mulvane City of	0.0%	\$0	2,181,000	0.0%	
Osawatomie City of	0.0%	\$0	2,052,000	0.0%	
Eudora City of	0.0%	\$0	2,046,000	0.0%	
Burlington City of	0.0%	\$0	2,022,000	0.0%	
Norton City of	0.0%	\$0	1,996,000	0.0%	
Lindsborg City of	0.0%	\$0	1,876,000	0.0%	
Belleville City of	0.0%	\$0	1,840,000	0.0%	
Baldwin City City of	0.0%	\$0	1,812,000	0.0%	
Anthony City of	0.0%	\$0	1,749,000	0.0%	
Garnett City of	0.0%	\$0	1,646,000	0.0%	
Seneca City of	0.0%	\$0	1,625,000	0.0%	
Hillsboro City of	0.0%	\$0	1,616,000	0.0%	
Lakin City of	0.0%	\$0	1,502,000	0.0%	
Hoisington City of	0.0%	\$0	1,471,000	0.0%	
Herington City of	0.0%	\$0	1,446,000	0.0%	
Sterling City of	0.0%	\$0	1,434,000	0.0%	
Ellinwood City of	0.0%	\$0	1,381,000	0.0%	
Doniphan Elec Coop Assn Inc	0.0%	\$0	1,311,000	0.0%	
Osage City City of	0.0%	\$0	1,307,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Kansas - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Oberlin City of	0.0%	\$0	1,232,000	0.0%	
Hill City City of	0.0%	\$0	1,230,000	0.0%	
Moundridge City of	0.0%	\$0	1,212,000	0.0%	
Oakley City of	0.0%	\$0	1,205,000	0.0%	
Cimarron City of	0.0%	\$0	1,204,000	0.0%	
Marion City of	0.0%	\$0	1,195,000	0.0%	
St Marys City of	0.0%	\$0	1,187,000	0.0%	
Meade City of	0.0%	\$0	1,153,000	0.0%	
Johnson City of	0.0%	\$0	1,118,000	0.0%	
Osborne City of	0.0%	\$0	1,081,000	0.0%	
Dighton City of	0.0%	\$0	1,066,000	0.0%	
St Francis City of	0.0%	\$0	1,028,000	0.0%	
Greensburg City of	0.0%	\$0	1,010,000	0.0%	
Minneapolis City of	0.0%	\$0	1,004,000	0.0%	
Horton City of	0.0%	\$0	1,002,000	0.0%	
Lincoln Center City of	0.0%	\$0	993,000	0.0%	
Stockton City of	0.0%	\$0	972,000	0.0%	
Arma City of	0.0%	\$0	925,000	0.0%	
St John City of	0.0%	\$0	903,000	0.0%	
La Crosse City of	0.0%	\$0	896,000	0.0%	
Kiowa City of	0.0%	\$0	847,000	0.0%	
Washington City of	0.0%	\$0	831,000	0.0%	
Haven City of	0.0%	\$0	794,000	0.0%	
Stafford City of	0.0%	\$0	784,000	0.0%	
Sharon Springs City of	0.0%	\$0	691,000	0.0%	
Ashland City of	0.0%	\$0	683,000	0.0%	
Wathena City of	0.0%	\$0	679,000	0.0%	
Montezuma City of	0.0%	\$0	675,000	0.0%	
Erie City of	0.0%	\$0	672,000	0.0%	
Burlingame City of	0.0%	\$0	671,000	0.0%	
Chapman City of	0.0%	\$0	662,000	0.0%	
Chetopa City of	0.0%	\$0	607,000	0.0%	
Oxford City of	0.0%	\$0	602,000	0.0%	
Mankato City of	0.0%	\$0	557,000	0.0%	
Jetmore City of	0.0%	\$0	556,000	0.0%	
Altamont City of	0.0%	\$0	533,000	0.0%	
Alma City of	0.0%	\$0	530,000	0.0%	
Troy City of	0.0%	\$0	512,000	0.0%	
Mount Hope City of	0.0%	\$0	491,000	0.0%	
Pomona City of	0.0%	\$0	413,000	0.0%	
Waterville City of	0.0%	\$0	408,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.



**Investment in energy efficiency programs by utilities operating in Kansas - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Udall City of	0.0%	\$0	407,000	0.0%	
Attica City of	0.0%	\$0	405,000	0.0%	
Cawker City City of	0.0%	\$0	379,000	0.0%	
Elwood City of	0.0%	\$0	375,000	0.0%	
Gasco City of	0.0%	\$0	354,000	0.0%	
Enterprise City of	0.0%	\$0	348,000	0.0%	
Scranton City of	0.0%	\$0	336,000	0.0%	
Centralia City of	0.0%	\$0	323,000	0.0%	
Galva City of	0.0%	\$0	310,000	0.0%	
Moran City of	0.0%	\$0	305,000	0.0%	
Mulberry City of	0.0%	\$0	290,000	0.0%	
Lucas City of	0.0%	\$0	288,000	0.0%	
La Harpe City of	0.0%	\$0	242,000	0.0%	
Glen Elder City of	0.0%	\$0	236,000	0.0%	
Holyrood City of	0.0%	\$0	211,000	0.0%	
Bronson City of	0.0%	\$0	181,000	0.0%	
Axtell City of	0.0%	\$0	169,000	0.0%	
Arcadia City of	0.0%	\$0	160,000	0.0%	
Prescott City of	0.0%	\$0	148,000	0.0%	
Toronto City of	0.0%	\$0	141,000	0.0%	
Luray City of	0.0%	\$0	126,000	0.0%	
Herndon City of	0.0%	\$0	123,000	0.0%	
Radium City of	0.0%	\$0	120,000	0.0%	
Blue Mound City of	0.0%	\$0	114,000	0.0%	
Iuka City of	0.0%	\$0	114,000	0.0%	
Robinson City of	0.0%	\$0	108,000	0.0%	
Summerfield Town of	0.0%	\$0	97,000	0.0%	
Isabel City of	0.0%	\$0	94,000	0.0%	
Morrill City of	0.0%	\$0	92,000	0.0%	
Muscotah City of	0.0%	\$0	66,000	0.0%	
Vermillion City of	0.0%	\$0	56,000	0.0%	
Seward City of	0.0%	\$0	49,000	0.0%	
Savonburg City of	0.0%	\$0	45,000	0.0%	
Elsmore City of	0.0%	\$0	36,000	0.0%	

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Source: Environmental Working Group. Compiled from U.S. Department of Energy, Energy Information Administration Data Form 861, 1993-1997.





**Investment in energy efficiency programs by utilities operating in Kentucky.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Louisville Gas & Electric Co	0.4%	\$2,262,000	614,532,000	0.0%	60
East Kentucky Power Coop Inc	0.3%	\$1,000,000	385,495,000	0.0%	68
Tennessee Valley Authority	0.2%	\$12,600,000	5,753,883,000	130.1%	76
Union Light Heat & Power Co	0.2%	\$407,000	192,774,000	0.0%	77
Harrison County Rural E C C	0.1%	\$13,000	11,567,000	0.0%	
Kentucky Utilities Co	0.0%	\$159,000	716,437,000	-74.0%	117
Owen County Rural El Coop Corp	0.0%	\$7,000	56,701,000	-75.9%	
Kentucky Power Co	0.0%	\$0	359,543,000	-100%	N/A
Electric Energy Inc	0.0%	\$0	232,029,000	0.0%	N/A
Green River Electric Corp	0.0%	\$0	143,852,000	0.0%	N/A
Henderson-Union Rural E C C	0.0%	\$0	84,379,000	0.0%	
Warren Rural Elec Coop Corp	0.0%	\$0	75,098,000	0.0%	
Owensboro City of	0.0%	\$0	71,043,000	0.0%	
Pennyriple Rural Elec Coop Corp	0.0%	\$0	58,378,000	0.0%	
Tri-County Elec Member Corp	0.0%	\$0	58,293,000	0.0%	
West Kentucky Rural E C C	0.0%	\$0	48,527,000	0.0%	
South Kentucky Rural E C C	0.0%	\$0	45,049,000	0.0%	
Bowling Green City of	0.0%	\$0	42,726,000	0.0%	
Jackson County Rural E C C	0.0%	\$0	42,120,000	0.0%	
Henderson City Utility Comm	0.0%	\$0	36,181,000	0.0%	
Paducah City of	0.0%	\$0	34,492,000	0.0%	
Jackson Purchase El Coop Corp	0.0%	\$0	33,407,000	0.0%	
Salt River Rural El Coop Corp	0.0%	\$0	32,249,000	0.0%	
Nolin Rural Electric Coop Corp	0.0%	\$0	27,630,000	0.0%	
Frankfort City of	0.0%	\$0	26,340,000	0.0%	
Fleming-Mason Rural E C C	0.0%	\$0	24,223,000	0.0%	
Blue Grass Rural El Coop Corp	0.0%	\$0	23,777,000	0.0%	
Hopkinsville City of	0.0%	\$0	21,644,000	0.0%	
Cumberland Valley Rural E C C	0.0%	\$0	21,096,000	0.0%	
Meade County Rural E C C	0.0%	\$0	20,718,000	0.0%	
Clark Rural Electric Coop Corp	0.0%	\$0	19,444,000	0.0%	
Inter County Rural E C C	0.0%	\$0	18,253,000	0.0%	
Farmers Rural Elec Coop Corp	0.0%	\$0	18,229,000	0.0%	
Glasgow City of	0.0%	\$0	17,642,000	0.0%	
Taylor County Rural E C C	0.0%	\$0	17,434,000	0.0%	
Shelby Rural Elec Coop Corp	0.0%	\$0	16,707,000	0.0%	
Murray City of	0.0%	\$0	13,899,000	0.0%	
Madisonville City of	0.0%	\$0	13,211,000	0.0%	
Licking Valley Rural E C C	0.0%	\$0	12,752,000	0.0%	
Big Sandy Rural Elec Coop Corp	0.0%	\$0	12,338,000	0.0%	
Grayson Rural Elec Coop Corp	0.0%	\$0	12,029,000	0.0%	

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**Investment in energy efficiency programs by utilities operating in Kentucky - Continued.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Franklin City of	0.0%	\$0	10,344,000	0.0%	
Mayfield City of	0.0%	\$0	9,651,000	0.0%	
Fox Creek Rural Elec Coop Corp	0.0%	\$0	8,799,000	0.0%	
Russellville City of	0.0%	\$0	8,045,000	0.0%	
Bardstown City of	0.0%	\$0	7,571,000	0.0%	
Hickman-Fulton Counties RECC	0.0%	\$0	7,474,000	0.0%	
Princeton City of	0.0%	\$0	6,330,000	0.0%	
Nicholasville City of	0.0%	\$0	5,943,000	0.0%	
Monticello City of	0.0%	\$0	5,531,000	0.0%	
Jellico City of	0.0%	\$0	5,408,000	0.0%	
Berea College	0.0%	\$0	5,238,000	0.0%	
Barbourville City of	0.0%	\$0	4,374,000	0.0%	
Fulton City of	0.0%	\$0	3,915,000	0.0%	
Benton City of	0.0%	\$0	3,824,000	0.0%	
Williamstown Utility Comm	0.0%	\$0	3,334,000	0.0%	
Corbin Utilities Comm	0.0%	\$0	3,243,000	0.0%	
Vanceburg City of	0.0%	\$0	2,349,000	0.0%	
Providence City of	0.0%	\$0	1,794,000	0.0%	
Hickman City of	0.0%	\$0	1,782,000	0.0%	
Paris City of	0.0%	\$0	1,581,000	0.0%	
Olive Hill City of	0.0%	\$0	1,229,000	0.0%	
Falmouth City of	0.0%	\$0	1,157,000	0.0%	
Bardwell City of	0.0%	\$0	429,000	0.0%	
Benham City of	0.0%	\$0	309,000	0.0%	

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**Investment in energy efficiency programs by utilities operating in Louisiana.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Entergy Gulf States, Inc	0.0%	\$0	2,067,485,000	-100%	N/A
Entergy Louisiana, Inc	0.0%	\$0	1,803,272,000	0.0%	N/A
Central Louisiana Elec Co Inc	0.0%	\$0	456,245,000	0.0%	N/A
Entergy New Orleans, Inc	0.0%	\$0	410,269,000	0.0%	N/A
Lafayette City of	0.0%	\$0	109,539,000	0.0%	N/A
Southwest Louisiana E M C	0.0%	\$0	95,098,000	0.0%	
Dixie Electric Membership Corp	0.0%	\$0	91,089,000	0.0%	
Louisiana Energy & Power Auth	0.0%	\$0	55,004,000	0.0%	
Washington-St Tammany E C Inc	0.0%	\$0	47,032,000	0.0%	
Alexandria City of	0.0%	\$0	43,164,000	0.0%	
Beauregard Electric Coop Inc	0.0%	\$0	41,616,000	0.0%	
Valley Electric Member Corp	0.0%	\$0	35,929,000	0.0%	
South Louisiana Elec Coop Assn	0.0%	\$0	28,001,000	0.0%	
Claiborne Electric Coop Inc	0.0%	\$0	27,131,000	0.0%	
Terrebonne Parish Consol Gov't	0.0%	\$0	19,025,000	0.0%	
Northeast Louisiana Power Coop	0.0%	\$0	15,547,000	0.0%	
Natchitoches City of	0.0%	\$0	13,760,000	0.0%	
Jefferson Davis Elec Coop Inc	0.0%	\$0	13,653,000	0.0%	
Ruston City of	0.0%	\$0	13,561,000	0.0%	
Panola-Harrison Elec Coop Inc	0.0%	\$0	13,554,000	0.0%	
Pointe Coupee Elec Member Corp	0.0%	\$0	13,412,000	0.0%	
Concordia Electric Coop Inc	0.0%	\$0	12,842,000	0.0%	
Morgan City City of	0.0%	\$0	10,957,000	0.0%	
Abbeville City of	0.0%	\$0	9,705,000	0.0%	
Minden City of	0.0%	\$0	9,018,000	0.0%	
Plaquemine City of	0.0%	\$0	5,661,000	0.0%	
Ashley Chicot Elec Coop Inc	0.0%	\$0	5,431,000	0.0%	
Rayne City of	0.0%	\$0	5,065,000	0.0%	
Winnfield City of	0.0%	\$0	4,634,000	0.0%	
Vidalia Town of	0.0%	\$0	4,595,000	0.0%	
St Martinville City of	0.0%	\$0	4,137,000	0.0%	
Kaplan City of	0.0%	\$0	3,655,000	0.0%	
New Roads City of	0.0%	\$0	2,997,000	0.0%	
Vinton City of	0.0%	\$0	2,593,000	0.0%	
Jonesville City of	0.0%	\$0	2,245,000	0.0%	
Welsh Town of	0.0%	\$0	1,638,000	0.0%	
Erath Town of	0.0%	\$0	1,300,000	0.0%	
Gueydan Town of	0.0%	\$0	1,263,000	0.0%	
Boyce Town of	0.0%	\$0	514,000	0.0%	
Town of Elizabeth	0.0%	\$0	274,000	0.0%	

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**Investment in energy efficiency programs by utilities operating in Maine.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Central Maine Power Co	1.3%	\$12,494,000	944,390,000	-1.6%	19
Bangor Hydro-Electric Co	0.4%	\$699,000	186,432,000	-30.2%	62
Maine Public Service Co	0.1%	\$47,000	55,019,000	-39.0%	
Maine Yankee Atomic Power Co	0.0%	\$0	238,586,000	0.0%	N/A
Maine Electric Power Co Inc	0.0%	\$0	24,473,000	0.0%	
Eastern Maine Electric Coop	0.0%	\$0	13,157,000	0.0%	
Madison Town of	0.0%	\$0	10,774,000	0.0%	
Houlton Water Co	0.0%	\$0	7,247,000	0.0%	
Kennebunk Light & Power Dist	0.0%	\$0	5,323,000	0.0%	
Fox Islands Electric Coop Inc	0.0%	\$0	1,205,000	0.0%	
Van Buren Light & Power Dist	0.0%	\$0	1,027,000	0.0%	
Swans Island Electric Coop Inc	0.0%	\$0	442,000	0.0%	
Matinicus Plantation Elec Co	0.0%	\$0	66,000	0.0%	

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**Investment in energy efficiency programs by utilities operating in Maryland.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Potomac Electric Power Co	1.6%	\$29,562,000	1,863,510,000	-43.9%	11
Southern Maryland El Coop Inc	1.6%	\$3,109,000	197,026,000	91.3%	12
Baltimore Gas & Electric Co	1.3%	\$27,791,000	2,192,016,000	-1.7%	20
Delmarva Power & Light Co	0.2%	\$2,349,000	1,093,883,000	35.9%	78
Potomac Edison Co	0.1%	\$773,000	760,973,000	-31.8%	93
Hagerstown City of	0.0%	\$5,000	20,144,000	0.0%	
Choptank Electric Coop Inc	0.0%	\$0	53,855,000	0.0%	
Easton Utilities Comm	0.0%	\$0	14,551,000	-100%	
A & N Electric Coop	0.0%	\$0	13,126,000	0.0%	
Berlin City of	0.0%	\$0	3,786,000	0.0%	
Thurmont Municipal Light Co	0.0%	\$0	3,592,000	0.0%	
Williamsport Town of	0.0%	\$0	995,000	0.0%	

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**Investment in energy efficiency programs by utilities operating in Massachusetts.**

Utility	Efficiency Investment as Percent of Revenue	Efficiency Investment 1997	Revenue 1997	Efficiency Investment Trend 93-97	National Rank for Efficiency Investment*
Massachusetts Electric Co	2.8%	\$45,620,000	1,624,085,000	18.4%	4
Western Massachusetts Elec Co	2.1%	\$8,941,000	426,447,000	-40.1%	8
Eastern Edison Co	1.4%	\$4,000,000	277,323,000	-31.8%	16
Fitchburg Gas & Elec Light Co	0.9%	\$457,000	49,436,000	-30.8%	
Boston Edison Co	0.8%	\$13,542,000	1,768,712,000	-69.3%	36
Norwood City of	0.5%	\$132,000	27,591,000	-30.5%	
Taunton City of	0.5%	\$216,000	46,963,000	-42.9%	
Commonwealth Electric Co	0.4%	\$1,748,000	466,961,000	-50.0%	61
Cambridge Electric Light Co	0.2%	\$311,000	131,326,000	-87.0%	73
Holyoke City of	0.2%	\$51,000	27,403,000	104.0%	
Concord Town of	0.1%	\$17,000	12,948,000	0.0%	
Braintree Town of	0.1%	\$40,000	35,948,000	-38.5%	
Chicopee City of	0.1%	\$18,000	32,576,000	-83.6%	
Littleton Town of	0.0%	\$5,000	14,955,000	25.0%	
Reading Town of	0.0%	\$10,000	58,672,000	0.0%	
Shrewsbury Town of	0.0%	\$5,000	23,530,000	-85.7%	
New England Power Co	0.0%	\$0	1,677,903,000	0.0%	N/A
Montaup Electric Co	0.0%	\$0	347,709,000	-100%	N/A
Massachusetts Mun Whls Elec Co	0.0%	\$0	257,054,000	0.0%	N/A
Holyoke Water Power Co	0.0%	\$0	71,826,000	0.0%	
Peabody City of	0.0%	\$0	40,597,000	0.0%	
Westfield City of	0.0%	\$0	35,079,000	0.0%	
Holyoke Power & Electric Co	0.0%	\$0	32,024,000	-0.0%	
Danvers Town of	0.0%	\$0	31,179,000	0.0%	
Hudson Town of	0.0%	\$0	27,751,000	0.0%	
North Attleborough Town of	0.0%	\$0	19,047,000	0.0%	
Wakefield Town of	0.0%	\$0	18,375,000	0.0%	
Wellesley Town of	0.0%	\$0	17,843,000	0.0%	
Mansfield Town of	0.0%	\$0	17,202,000	0.0%	
Middleborough Town of	0.0%	\$0	16,944,000	0.0%	
Hingham City of	0.0%	\$0	14,730,000	-100%	
Nantucket Electric Co	0.0%	\$0	14,553,000	0.0%	
South Hadley Town of	0.0%	\$0	13,281,000	0.0%	
Belmont Town of	0.0%	\$0	10,830,000	0.0%	
Marblehead City of	0.0%	\$0	9,470,000	0.0%	
Holden City of	0.0%	\$0	9,010,000	0.0%	
Middleton City of	0.0%	\$0	8,217,000	0.0%	
Ipswich Town of	0.0%	\$0	7,553,000	0.0%	
Templeton Town of	0.0%	\$0	6,440,000	0.0%	
West Boylston Town of	0.0%	\$0	5,946,000	0.0%	
Groton City of	0.0%	\$0	5,483,000	0.0%	

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