

Connecticut State Energy Conservation and Load Management Fund

2002 Achievements

In 2002, electric customers of The United Illuminating Company (UI) and Connecticut Light and Power (CL&P) contributed nearly \$87 million to the energy conservation and load management fund. In 2002, program achievements included:

ENERGY AND COST SAVINGS:

Connecticut residents and businesses saved 246,000,000 kWh in 2002.

This energy savings is enough to...

- Supply 31,300 average homes with electricity for a year
- Save \$25 million annually in energy costs at an average price of \$0.10 per kWh
- Save \$373 million over the lifetime of the installed measures

CUSTOMERS SERVED:

- 500,000 instances of participation in the state's energy efficiency programs in 2002
- Programs are tailored to meet the specific needs of all customer classes so everyone benefits in reducing energy costs

ENVIRONMENTAL BENEFITS:

Energy efficiency programs reduce pollution by reducing electrical demand and power production.

It is estimated that efficiency measures implemented in 2002 will reduce:

- 996 tons of potential levels of pollutant emissions (SO_x and NO_x) each year
- 183,000 tons of carbon dioxide emissions per year

PEAK LOAD REDUCTION:

Reductions in electrical demand are especially important during periods of high peak demand when availability of electrical supplies is less certain.

- 98,578 kW reduction during peak electrical demand due to energy conservation and load management activities
- Reduction will serve to relieve stressed transmission lines and may reduce market prices during peak demand periods

ECONOMIC BENEFITS:

- Over \$5.2 million was awarded in 2002 for research, development and demonstration projects to study energy efficiency and distributed generation
- Over 3,100 small businesses and hundreds of medium and large businesses participated in the state's conservation programs

To learn more about Connecticut's energy conservation programs, call UI at 1-877-WISE USE, CL&P at 1-877-602-SAVE or visit the following web sites: www.uinet.com (UI); www.cl-p.com (CL&P).

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Savings Conversions

2002 SAVINGS RESULTS (STATEWIDE)

Annual kWh	245,800,000
Lifetime kWh	3,719,000,000
Demand Impact (KW)	98,578

IS EQUIVALENT TO:

ANNUAL SAVINGS

LIFETIME SAVINGS

Fuel Not Burned



Gallons of crude oil	18,582,480	281,156,400
Tons of coal	115,526	1,747,930
Cubic feet of natural gas	3,251,934,000	49,202,370,000

Environmental



Acres of trees planted	71,282	1,078,510
Cars off the road	34,412	520,660
Tons reduction in SO _x	762	11,529
Tons reduction in NO _x	234	3,533
Tons reduction in CO ₂	182,875	2,766,951

Energy and Demand



Number of homes powered for a year	31,300	473,577
Number of residential central air conditioning units simultaneously shut off	35,847	