

Connecticut's Conservation and Load Management Fund

Year 2001 Accomplishments

Presented to the Working Group

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The overall goal of the state's conservation efforts is to advance the efficient use of energy, reduce air pollution and negative environmental impacts and to promote economic development and energy security in Connecticut.

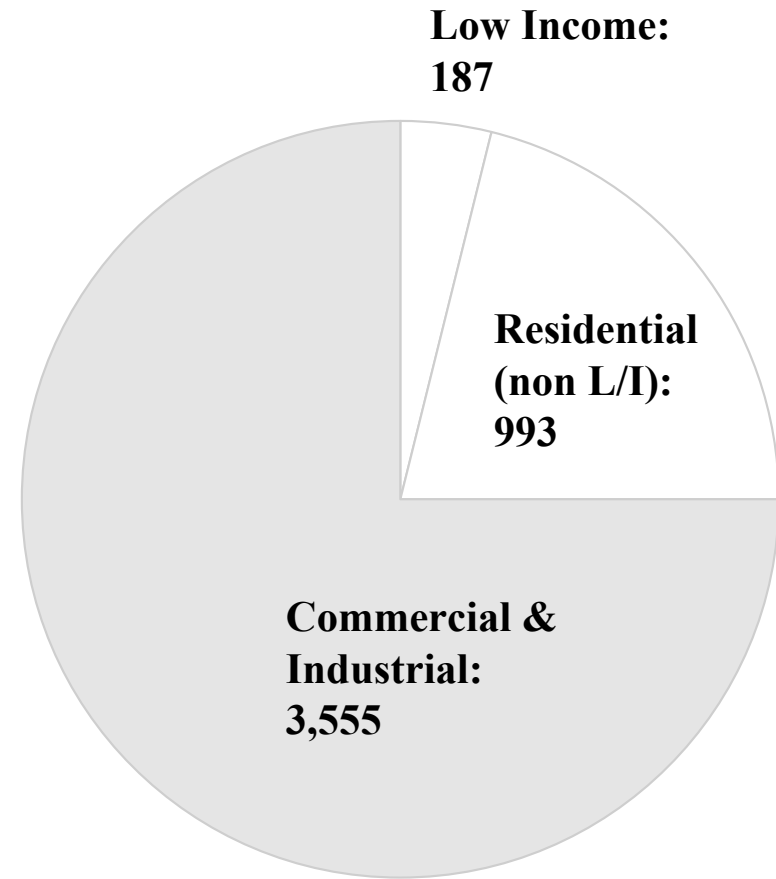
The primary beneficiaries from conservation activities are Connecticut residents.

- In 2001, customers of CL&P and UI contributed nearly \$86 million into the conservation fund. Over the life of the measures installed through the programs, they will save over \$473 million.**



Customer benefits are distributed across all customer classes.

In 2001, there were, on average, more than 400,000 participants in the two companies' energy efficiency programs. These programs are helping large and small businesses, homeowners and renters, and state and local governments conserve energy and natural resources.



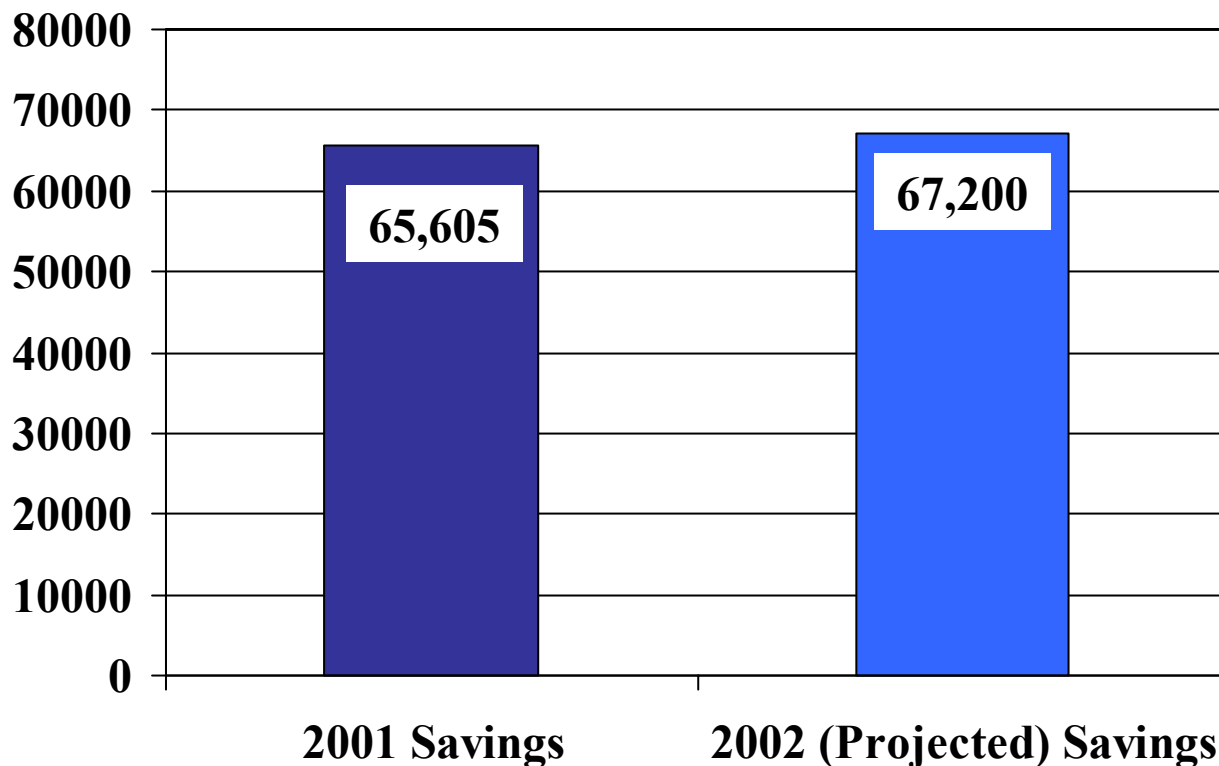
Lifetime Energy Savings by Customer Class for 2001 (IN MILLIONS OF kWh)

Conservation activities save energy to benefit customers.

- The conservation measures installed by programs in 2001 saved enough energy in a year to serve approximately 40,000 average homes in Connecticut for a year.**
- There were 314,000,000 kilowatt hours (kWh) of energy saved in 2001 or 4.7 billion kWh over the lifetime of the measures.**

Conservation Programs are important during peak demand periods to reduce load requirements and improve air quality.

PEAK DEMAND SAVINGS FROM ENERGY EFFICIENCY PROGRAMS (IN kW)



Environmental benefits to the state from the fund are significant.

The ECMB is very interested in environmental stewardship. The actions taken in 2001, over their lifetime, will have the following results:

REDUCTION IN CRITERIA POLLUTANTS AND CARBON DIOXIDE (IN TONS)				
	Year 2001	2001 Lifetime	Year 2002 (Projected)	2002 Lifetime (Projected)
SO_x	972	14,679	678	10,087
NO_x	329	4,972	230	3,417
CO₂	238,260	3,598,600	166,212	2,473,040



Economic Benefits



A recent University of Connecticut study shows that energy consumption in Connecticut is 28% below the national average.

Connecticut uses less energy and it uses that energy wisely, producing \$18.56 of output of every dollar of energy input, far better than the national average of \$14.28.



2001 Sample List of Commercial & Industrial Customers Served

Aetna Insurance Company
American School for the Deaf
Ansonia, City of
Anthem Blue Cross/Blue Shield
Barnard Elementary School
Bayer Corporation
BIC Corporation
Bob's Discount Furniture
Chandler Lewis
Clairol
Colebrook Fire Department
Danbury Hospital - Cancer Center
Derby Housing Authority
Dunkin Donuts
Exxon Mobil Chemical
Fairfield University
Fleet Bank
Frito Lay, Inc.
Gadbois Farm
Hall Neighborhood House
Home Depot
Latex Foam Products

Lego Systems Inc.
Mill Valley Molding
Naugatuck Town Hall
Owens-Brockway
Pepsi Cola
Perkin Elmer
Pitney Bowes, Inc.
Praxair
Schick
Sears Roebuck Co.
Sikorsky Aircraft
Simkins Industries
SNET
Spectrum Plastics, Inc.
St. Raphael, Hospital of
Staples Inc.
Stop & Shop
Stratford, Town of
Tetley, Inc.
U. S. Surgical Corp.
University of Bridgeport
Walmart

Conservation Programs - 2002

Residential Programs

- Energy Star Appliances
- Energy Star Homes
- “Hot Shot” Heat Pump Water Heater
- Residential HVAC Program
- Residential Retail Lighting
- SmartLiving™ Center
- SmartLiving™ Catalog
- Low Income
- eeSmarts™ (K-12 Education)
- Community Based Program
- Energy Conservation Loan Program
- New Construction GeoX **
- Spectrum**
- Residential Audits**

Commercial & Industrial Programs

- New Construction/Energy Blueprint
- Request for Proposal (RFP)
- Small Business Energy Advantage
- State Buildings
- ISO Load Response
- O&M Services
- Research, Development and Demonstration
- Energy Opportunities*
- Municipal Energy*
- Municipal Buildings**
- Custom Services**
- Express Services**

* UI only program

**CL&P only program

UI SWCT Load Management Initiatives 2002

- **ISO Load Response Program**
 - Load attained - 11.825 MW
 - Bonus incentives and technical assistance
- **Residential Programs**
 - Pool Pump Timers - 0.3 MW
 - Education and Outreach (Unilever Event)
 - Central air conditioning (with CL&P)
 - Low Income Program (targeted priority towns)
- **Commercial and Industrial Programs**
 - Emergency Response Program (C&I Projects) - 0.6 MW
 - Small Business Energy Advantage Program - 0.06 MW
- **Currently Planning for 2003 activities**