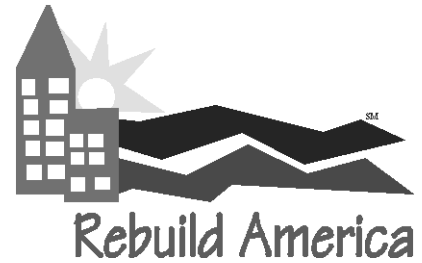


Rebuild Connecticut Partnership Initiatives



"Strengthening Communities Through Energy Efficiency"
Issue 21- July 2000



Bridgeport Commits to Greenhouse Gas Emission Reductions

As part of Bridgeport's ongoing efforts to promote energy efficiency, the city has pledged to reduce global warming pollution in the community through the International Council for Local Environmental Initiatives' (ICLEI) Cities for Climate Protection (CCP) campaign.


The first step in CCP is completion of a greenhouse gas baseline inventory and forecast. Heading this project is ICLEI summer intern, Natalie Wang, working with Ed Brown in the Division of Construction Management Services. Hotter urban temperatures exacerbate urban smog, which sets the stage for public health problems such as asthma. "Higher air temperatures increase the concentration of ozone at ground level," according to the U. S. Environmental Protection Agency (EPA). Particularly at risk are children, whose lung tissues and air passageways are still not fully developed. Vital economic resources such as water resources and fisheries are also vulnerable to changes in climate. The EPA also notes that climate change "could expand the habitat of disease-carrying insects, thus increasing the potential for transmission of diseases such as malaria and dengue fever."

The goal of CCP is pinpointing sources and quantities of carbon dioxide and methane, two greenhouse gases, and implementing actions to reduce them. During the summer, ICLEI will be documenting and analyzing data on community and municipal energy use.

"Bridgeport is on the right track with promoting energy efficiency and combating global warming.

Through our involvement in REBUILD AMERICA, our performance contract with Honeywell is showing us what we can do to save energy and money. This CCP project is showing us where to focus our attention to reduce air pollution so that our community is healthier and more sustainable," Brown said.

Bridgeport is the *first* Connecticut municipality and one of 12 New England communities currently participating in CCP. The city is also one of over 350 cities and counties around the world that have committed to reducing greenhouse gas emissions. The CCP campaign is a part of Bridgeport's REBUILD AMERICA program activities.

For information on Bridgeport's energy and environmental activities, contact Natalie Wang or Ed Brown at (203) 576-3960. For additional information on the ICLEI programs, visit www.iclei.org 

Rebuild America Offers Feds Training

A two-day training workshop on Facility Energy Decision System (FEDS) software is being held in Albany, New York on August 15th and 16th, 2000. This free workshop is being co-sponsored, in part, by REBUILD AMERICA.

FEDS is a software tool that can quickly and objectively identify energy improvements that maximize savings. With limited user input, this program can:

- * Develop a building prototype and engineering parameters;
- * Calculate electrical demand and energy consumption;
- * Determine cost effectiveness of potential retrofits; and

- * Provide detailed analysis of single buildings or large installations with many buildings.

FEDS works by creating a building prototype from simple information such as the building's size, building type, location and the year it was built. It then develops the optimal set of retrofits from a database of thousands of proven technologies in heating, cooling, lighting, motors, building shell and water heating. It provides you with information about how the projects will save money, reduce energy, and prevent harmful atmospheric emissions

FEDS offers features that are not found in similar software:

- * Life Cycle Cost Optimization - Selects the minimum life cycle cost retrofit for a single building or an entire installation
- * Technology and Fuel Independence - Chooses the technology that provides the required service at the minimum life cycle cost
- * Peak Tracking - Determines the hourly contribution of each technology to the installation's peak demand; allows accurate determination of the value of the energy and demand savings associated with a retrofit; and considers interactive effects between buildings and between building systems
- * Alternative Financing - Analyzes various types of financing mechanisms including leases, utility and third-party loans, and energy savings performance contracts (ESPCs)
- * Other Key Features - Flexibility to screen out certain buildings and retrofits; alter cost data; view top 3 retrofit options; easily analyze "what-if" scenarios; and quickly get answers to management-level issues with very little effort/time/detail.

Explore the features and capabilities of FEDS 4.1 and learn how to use the software. Because of the hands-on nature of this course, class size is limited, so sign up early!

For more information or to register, call (509) 372-4368 or email femp.train@pnl.gov 

NEXT NATIONAL FORUM


The dates for the next REBUILD AMERICA National Forum have been announced. It will take place in Atlanta, Georgia, March 13th-16th. Look for more information in upcoming issues of *Rebuild Connecticut Partnership Initiatives*.



Super-Efficient Refrigerators at Super Attractive Prices

In the mid-1990s, the Boston-based Consortium for Energy Efficiency (CEE) joined with the New York Power Authority (NYPA) and the U. S. Department of Energy to jointly encourage the production of a highly efficient refrigerator specifically designed for apartments. The effort resulted in a 15 cubic foot Maytag product that met high-efficiency specifications. Maytag offered the refrigerator exclusively to the public housing market. Because of that highly successful program, the Los Angeles Department of Water and Power (LADWP) convinced Maytag to produce an 18.5 cubic foot super-efficient model for their public housing authority customers.

These offerings open up a tremendous opportunity for many multi-family complexes in Connecticut. Through this program, housing authorities and other multi-family housing organizations (per approval of Maytag) can piggyback onto existing contracts that Maytag has with NYPA and LADWP to obtain these efficient refrigerators at very attractive pricing. There are no minimum order requirements, although smaller shipments may result in a delivery adder. While it is expected that this program will extend into 2001, orders for the currently available units need to be placed by December 31, 2000. Quantities are limited so if you are interested in making a purchase you should act now.

To obtain additional information on this program, contact Melissa Lucas of the Consortium for Energy Efficiency at (617) 589-3949 Ext. 205, or email her at mlucas@CEEforMT.org. You can also visit the CEE web site at www.CEEforMT.org 

REBUILD AMERICA is a program which consists of people working as partners on a local level to renovate buildings for improved energy efficiency. REBUILD AMERICA partnerships help make communities stronger by stimulating economic growth, creating jobs, saving money, and improving environmental quality while saving energy.

Rebuild Connecticut Partnership Initiatives is designed to inform partners about energy opportunities and to share successes of partner activities. Contributions can be sent to: John Ruckes, OPM/Energy, 450 Capitol Avenue, MS# 52ENR, Hartford CT 06106-1308; by fax (860) 418-6495; or by e-mail: john.ruckes@po.state.ct.us

