



# REBUILD MASSACHUSETTS NEWS

A Publication of the Rebuild Massachusetts Program  
The US Department of Energy (DOE) sponsors the Rebuild Massachusetts Initiative  
as part of their Rebuild America program.

## NATIONAL YOUTH AWARDS PROGRAM FOR ENERGY ACHIEVEMENT

The National Energy Education Development (NEED) Project presented nearly 50 awards on June 28 to K-12 schools and individuals who excelled in energy efforts during the 2003-04 school year



Charlotte Striebel, NEED Board Member and Cape Light Compact representative, accepts the award for Region of the Year on behalf of Barnstable County.

This year's national winner for ***Region of the Year*** is the Cape Light Compact and Barnstable County Cooperative Extension Energy Education Program. The focus of their education efforts is on the development and implementation of energy and education programs for third, fourth, and fifth grades on Cape Cod and Martha's Vineyard.

The Cape and Vineyard are the first communities to offer NEED to Massachusetts's schools. (The NEED program satisfies the MCAS science curriculum for the targeted grade levels.)

## HIGH PERFORMANCE SCHOOL SEMINARS

### SCHOOL DESIGN AND TECHNOLOGIES FOR COOL AND HUMID CLIMATE ZONE

**OCTOBER 5, 2004**

8:30 a.m. to 4:15 p.m.

**Seminar Hall, Rensselaer at Hartford  
275 Windsor Street, Hartford, CT 06120**

**To register:** Please complete the [online registration form](#).

### ADVANCED DESIGN AND TECHNOLOGIES FOR HIGH PERFORMANCE SCHOOLS

**OCTOBER 7, 2004**

8:30 a.m. to 4:30 p.m.

**Crown Plaza Hotel at the Crossings  
801 Greenwich Avenue, Warwick, RI 02886**

**To register:** Please complete the [online registration form](#).

## TIPS FOR TRACKING ENERGY BILLS

Having sustainable design goals requires a good energy management plan. This means measuring, managing and monitoring usage.

- Clearly identify how developing an energy plan can produce measurable results that will appeal to the expressed needs of the organization.
- Assign a dedicated person to the process of gathering data and determine which program or tracking method is best.
- Start small and expand. Trying to track **all** data can be overwhelming.
- Perform some of these tasks before presenting them to management. Add up the potential savings to create management enthusiasm.
- Develop a relationship with the local utility companies. Working together can help obtain data easier and faster.
- Reduce manual tasks. **Your account information may be accessible online.**
- Develop a method to find unused accounts, avoid paying the wrong bills, and isolate the heaviest energy users.
- Present and share results. Justify the effort by publicizing the energy and money savings. Public agencies and governmental bodies can illustrate how to save their communities money.
- Provide training that will help sustain the energy plan.

## REBUILD MASSACHUSETTS PUBLIC HOUSING ENERGY EFFICIENCY PROJECT

With support from a Rebuild America grant, the Division of Energy Resources is partnering with the Massachusetts Department of Housing and Community Development to provide support for an ongoing strategy for energy and water conservation improvements in Massachusetts public housing.

The Public Housing Energy Efficiency Project (PHEEP) will employ a combination of public and private technical and financial resources to develop short and long-term energy efficiency improvements. The [Massachusetts Department of Housing and Community Development](#) (DHCD) will act as the lead partner. In addition, this effort is supported by a majority of the investor owned utilities including NSTAR, Keyspan, NGRID (Massachusetts Electric), Western Massachusetts Electric and a municipal aggregation program, Cape Light Compact.

Multifamily housing has been the hallmark of the Rebuild Boston and Rebuild Massachusetts programs ([see BHA partner of the year award, 2001](#)). The project will augment existing efforts in the state Rebuild Program to identify and support in-house energy and water efficiency programs, performance contract investments, and onsite combined heat and power and renewable energy generation investments in Massachusetts Authorities.

DHCD actively pursues performance contracting, renewable generation, and energy efficiency opportunities. The agency has worked successfully to coordinate the performance contract scope and procurement process for Housing Authorities that administer federal as well as state-financed public housing. Where different procurement rules apply, DHCD effectively combined separate performance contracts into one overall package. Two examples of successful joint state-federal performance contract projects are the Boston Housing Authority and the Somerville Housing Authority.

## ROCKY MOUNTAIN INSTITUTE COMMUNITY ENERGY OPPORTUNITY FINDER

Developed by energy experts at Rocky Mountain Institute, the [Community Energy Opportunity Finder](#) mimics the preliminary analysis of an expert consultant in order to help communities realize the benefits of wise energy use.

The Finder helps to collect information on a community's energy use, and then demonstrates the potential energy savings; dollar savings; reductions in carbon dioxide, nitrogen oxides, and sulfur dioxide emissions; and job creation from energy efficiency programs. The Finder also provides an overview of the kinds of renewable energy sources that could power a community.

In addition, you'll receive information that will help you get started with your own energy projects, such as case studies of programs that have been successful in other communities, places to turn for information and advice, and ideas for funding your own energy projects.

It is easy to begin. Create your user account, and the Finder will get you started on your way to a stronger local economy and a great place to live.

## SMART COMMUNITIES NETWORK

According to the Energy Information Administration (International Energy Outlook 2004), worldwide energy consumption is projected to grow [fifty-four percent](#) by the year 2025. Adopting a community-wide energy conservation and management program can help local governments and citizens manage rising energy costs, as well as reduce the production of harmful carbon dioxide emissions.

More communities across the United States are recognizing the importance of adopting community-wide energy conservation programs. A program tailored for your community's specific needs, and involves wide community support, can provide a host of additional benefits, including conserving energy, money, and resources; strengthening your local economy; and creating jobs.

[Easy Ways Your Community Can Save Energy](#) is a brochure developed by the National Renewable Energy Lab that identifies ways your community can easily achieve energy savings, as well as ways through which a number of communities have succeeded.

Find effective strategies, success stories, and economic development approaches that benefit the local community at [Smart Communities](#).

### Recommended links:

[The United Kingdom's Best Practice Program](#): Action Energy, a government-funded program, helps businesses and public sector organizations save money through energy saving. Access to free information is gained with a simple registration and sign-in.

[Canadian Institute for Energy Training Energy Management Planning](#): Article on building organizational capacity for energy management.

[Energy Master Planning Institute](#)

[Washington State University, Resource Efficiency Management](#)

Harvard study

[Inside the Greenhouse: The Impacts of CO<sub>2</sub> and Climate Change on Public Health in the Inner City.](#)

## OTHER MASSACHUSETTS RESOURCES

Energy efficiency investments lower the overall cost of energy without reducing comfort or convenience and lower the emission of harmful air and water pollutants. Energy efficiency investments provide for the installation of high efficiency lighting, motors, air conditioners and appliances; the construction of high-efficiency homes and commercial buildings; and more.

### **Massachusetts Electric Company**

<http://www.nationalgridus.com/masselectric/business/energyeff/energyeff.asp>

MECO helped the city of Medford realize energy savings through one of their energy efficiency programs. For a snapshot of the program, go to [http://www.nationalgridus.com/non\\_html/shared\\_medford.pdf](http://www.nationalgridus.com/non_html/shared_medford.pdf)

### **Keyspan**

<http://www.keysenergy.com>

### **NSTAR**

[http://www.nstaronline.com/your\\_business/electricprograms.asp](http://www.nstaronline.com/your_business/electricprograms.asp)

**Energy Link** is NSTAR's latest web-based tool to help customers manage their energy use. If you are an NSTAR Electric business customer who is billed peak/off-peak electric rates (time-of-use rates) you can subscribe to Energy Link for a monthly fee. For a sneak preview, go to [http://www.nstaronline.com/your\\_business/energylink.asp](http://www.nstaronline.com/your_business/energylink.asp)

### **Western Massachusetts Electric Targeted Services**

<http://www.wmeco.com/programs/save/business/targeted.asp>

#### **Benefits**

Technical and financial assistance through energy efficiency improvements to existing municipally owned buildings and facilities.

#### **Eligibility**

Selected municipalities using abundant amounts of electricity to light streets and provide power to schools, public safety facilities, office buildings, wastewater treatment plants, and other public structures.

The following link provides more information: [http://www.wmeco.com/programs/pdf/energy\\_municiples.pdf](http://www.wmeco.com/programs/pdf/energy_municiples.pdf)

### **Rebuild Massachusetts**

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