

April, 2004

Rebuild Michigan



PARTNER NEWS

Rebuild Michigan, part of the U.S. Dept. of Energy's Rebuild America program, is designed to foster partnerships, which will promote increased energy efficiency and renewable energy use within communities. The program focuses on community-based energy planning to insure that local needs are met and that a sustained local effort is established.

Community partnerships develop comprehensive energy use strategies and organize a coalition to work towards fulfilling community energy goals. The partnerships identify energy efficiency opportunities in commercial, institutional, and multi-family buildings and encourage installation of improvements that will yield the highest energy and cost savings.

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COMMUNITY PARTNERSHIPS

The current Michigan community partnerships are now entering their second year implementing Rebuild programs. A new year brings new ideas and changes to their successful programs.

Washtenaw County will focus on implementing energy efficiency measures in 14 county buildings through a performance contract. They will also integrate Energy Star products and building benchmarking, and develop a comprehensive education and outreach program to increase the impact of energy improvements in their buildings. Rebuild Washtenaw will also work towards increasing their interaction with local units of government, the private sector, and academic institutions.

Michigan State University (MSU) will focus on implementing policy, administrative, behavioral, and technical recommendations made for the Residence Hall System during the first year of their program. They also plan on completing at least five introductory energy analyses for campus buildings and continuing an energy education campaign.

Rebuild Delta County will identify additional teachers to participate in their "Energy in the Classroom" program activated last year, conduct energy evaluations for five buildings, and develop a plan for program sustainability (beyond grant assistance). They will also identify and publicize financing options for energy improvements.

The Great Lakes Renewable Energy Association (Rebuild Greater Lansing Schools) will develop outreach materials, publicize their first year successes, and enroll additional schools in their program. They also plan to launch the SolarSchool program at a minimum of 3 schools and work to incorporate the City of Lansing into their coalition.

Traverse City Light and Power (TCLP) will focus on expanding their coalition program promotion and energy analyses for public, commercial and multifamily buildings; also, implementing energy efficiency measures and installing a Combined Heat and Power system; and analyzing environmental and economic impacts of energy efficiency improvements in their community.

REBUILD MICHIGAN PARTNER UPDATE

This quarter Rebuild Michigan has enrolled eight new partners. The table to the right lists each new partner, the square footage they have committed to energy improvements, and potential energy savings.

Since September 2003 when the School and Local Government Energy Services were integrated into the Rebuild Michigan Program, a total of 25 schools districts and local government have become partners. Rebuild Michigan partners have pledged a total of 10,373,241 square feet to energy efficiency projects, with an estimated annual cost savings of \$1,758,257, and an estimated investment of \$12,469,836. When school districts and local governments were asked what their goals are for building performance and energy reduction one partner said, "To identify areas in building operations where costs can be reduced and controlled through improvements." Another said, "Our goal is to make the District's facilities as energy efficient as possible." We look forward to working with all Rebuild Partners in reducing their energy consumption through cost effective improvements.

* These numbers were calculated on the Rebuild America website and may not reflect the actual annual energy savings available.

Name	Square Feet	*Potential Annual Energy Savings (MMBTU)
Bay City Public Schools	1,004,960	20,099
City of Birmingham	282,742	11,310
Fraser Public Schools	748,496	14,970
Greenville Public Schools	656,773	13,135
Hamilton Public Schools	455,593	9,112
Northville Public Schools	863,406	17,268
Perry Public Schools	321,412	6,428
Zeeland Public Schools	914,658	18,293

REBUILD MICHIGAN ANNOUNCEMENTS

Rebuild Michigan High Performance School Workshop **April 13th, 2004 8:30 a.m.- 4:30 p.m.** **State of Michigan Library and Historical Museum**

This is a free one-day event for K-12 Superintendents, Business Officials, Board Members, Facility and Energy Managers interested in high performance school design and energy efficient technologies. Local government and university staff members are also welcome to attend.

Participants will become familiar with high performance school design methodology and receive information on the latest techniques in Day Lighting, Mechanical Systems, Renewable Energy, and Indoor Air Quality. There will also be many networking, developmental, and professional opportunities available to participants. A continental breakfast and lunch will be provided. The registration deadline is April 5, 2004 so please register early. On-site registration will not be available. Interested participants can register online at www.michigan.gov/eoworkshops

For more information, contact Chelsea Hasenburg at (517) 373-1950 or cmhasen@michigan.gov

NATIONAL PARTNER PROFILES

The National Energy Foundation (NEF)

NEF addresses opportunities for energy education through improved building performance, renewable energy technologies, and resource conservation in schools and communities across America. They work mainly with teachers to develop curriculum materials and explain how to use the information effectively within a classroom. While energy is their main focus, they have also created programs about waste management, community planning, and recycling oil, as well as other similar subjects.

NEF specializes in the development and production of energy education products. Their posters are updated contain eye-catching graphics and fun learning activities for K-12 students. They also design energy fundamental activities books about renewable energy and energy action technologies for students of all ages. *Out of the Rock*, *Energy Action in Schools*, and the *Academy of Energy Education* are an example of the types of programs NEF has to offer. For more information about NEF see their website at www.nef1.org

To find free NEF educational materials and learning activities about Alternative Fuel Vehicles go to www.nef1.org/ftf/

To request free NEF educational packets about natural gas safety, energy sources, and conservation go to www.nef1.org/ngfm.html

Visit Rebuild America's website at www.rebuild.org for additional partner information and profile updates

► FEATURED PUBLICATIONS ◀

Generating Solutions: How Clean, Renewable Energy Is Boosting Local Economies And Saving Consumers Money

This report examines 35 states and their potential for electricity generation from renewable resources using state-of-the-art technology. Highlighted are success stories from Washington State to Maine that point to the enormous untapped potential for clean power generation from renewable resources and how and how businesses, counties, individuals and others are benefiting financially from renewable energy in action.

Energy-Efficient Schools: Policies and Opportunities

This booklet by the National Conference of State Legislatures (NCSL) describes how states can increase energy efficiency in public schools. It includes results from a 2002 survey of school business officials conducted by NCSL and the Association of School Business Officials. After analyzing the survey data and consulting experts, the authors presented various actions that states can take to encourage energy efficient schools, such as adopting mandatory energy codes and finance contracting.

Benchmarking Your Building for Greater Success

To get the best results, your energy team should conduct an initial analysis of the targeted building stock to identify the best opportunities for energy savings. Benchmarking is an effective way to determine what facilities deserve more detailed energy audits and hold the greatest potential for energy savings. This document outlines the steps in effective benchmarking and provides electricity consumption and expenditure intensities data for energy benchmarking purposes.

Publications are available in the Rebuild America Solution Center

If you would like to receive the newsletter electronically please e-mail Chelsea Hasenburg at cmhasen@michigan.gov

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ENERGY EVENTS

Michigan High Performance School Workshop April 13, 2004

Lansing, MI
Contact: Chelsea Hasenburg
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or
www.michigan.gov/eoworkshops

Great Lakes Green Discovery April 14, 2004

Grand Rapids area
5 tours & 3 speakers
Register at:
<http://www.acteva.com/booking.cfm?bevalD=63129>

Advanced High Performance Schools Design Seminar April 15, 2004

Dayton, Ohio
Contact: David Schmenk,
Energy Manager,
at 937-225-6429
for more information

Workshop for Dual Mode Air System Installation April 16-17, 2004

Dimondale, MI
Contact: Great Lakes
Renewable Energy
Association at
1-800-434-9788 or
info@glrea.org

Building a Healthy Future: The Role of the Built Environment April 29, 2004 4:00-5:30 pm

Aquinas College
Performing Arts Center
RSVP by 4/22 to:
development@aquinas.edu

Fuel Cells in Construction Issues and Applications May 5, 2004, 7:15 -12:30 pm

Wayne State University,
Detroit
Contact: <http://www.org/2004FuelCell.htm>