



PARTNER NEWS

► COMMUNITY PARTNERSHIP UPDATE ◀

Rebuild Michigan 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.

MICHIGAN DEPARTMENT OF
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EOREBUILD

Rebuild Mecosta County recently completed an initial RMCP grant. Their accomplishments include: Completing 10 Introductory Energy Evaluation (IEE) reports and a Technical Energy Analysis (TEA) with assistance from students from Ferris St. University's Heating Ventilation Air Conditioning and Refrigeration Department. The coalition also delivered 8 presentations on energy efficiency for building owners during the project period. Contact Tom Crandell at: crandelt@ferris.edu for more information.

Rebuild Wyandotte also completed their RMCP grant. They completed 5 IEEs and 3 TEAs. The 3 TEAs identified \$69,120 in potential energy efficiency investments that would result in an estimated \$6,729 in annual savings for a 10.3 year payback. Contact Todd Parker at: tparker@delta-institute.org for more information.

WARM Training Center recently completed a series of 19 workshops for building owners. Three different workshops were offered entitled: Make it Green; Re-Energize Your Buildings; and Financing Green Projects. The workshops were attended by more than 300 building owners. For more information contact Diane Van Buren Jones, WARM Training Center at dvbjones@warmtraining.org.

Lake Superior State University recently completed their 2009 RMCP seed grant. They also completed three IEEs that involved three K-12 buildings, one public library and a restaurant. For more information on Lake Superior State University, contact Greg Zimmerman at gzimmerman@lssu.edu.

Escanaba Public Housing Commission closed out their RMCP third-year grant. The Commission conducted a performance

contracting seminar for several Michigan public housing commissions as well as three energy accounting workshops for multiple public housing commissions in the Upper Peninsula. In addition, they completed a project implementation report for a Michigan public housing commission. For more information contact Mary Lynn Sweeney of Escanaba PHC at mlsweeney@harbortower.org.

Michigan Energy Options, formerly Northern Options & Urban Options, recently completed their 2009 RMCP seminars and workshops grant. As part of their grant they conducted energy efficiency workshops that served 392 participants in their Lower Michigan service area and an additional 549 participants in their Upper Peninsula service area. Participants included representatives from utility companies, local governments, schools, hospitals, hotels, restaurants, contractors/builders, small businesses, chambers of commerce and downtown development authorities. For more information, please contact Jennifer Binkley-Powers at: jpower@northernoptions.org or T.J. Brown at tjbrown@northernoptions.org.

Michigan GREEN closed out their 2009 RMCP seed grant this month. The organization prepared a 2-year action plan in addition to conducting a comprehensive TEA for a hardware store in their service area. They also completed 12 IEEs for owners of commercial and public buildings. Michigan GREEN, utilizing its own financing, assisted a community library in completing a \$4,000 energy project that upgraded most of the facility's lighting; a project with a projected payback on investment of less than four years. For more information contact Doug Russell at: drussell@michigangreen.org.

► REBUILD MICHIGAN PARTNER UPDATE ◀

Since January 2009 the Rebuild Michigan Program has enrolled 43 new public agency partners. The table to the right lists the most recent program partners and the square footage they have committed to energy improvements. The Rebuild MI team completed Introductory Energy Evaluations (IEEs) for these clients identifying the areas where energy use can be reduced and recommending a more detailed technical energy analysis if appropriate.

To view the complete list of new clients please go to www.michigan.gov/eorebuild and click on Rebuild MI Energy Services.

Since January, 1998, 616 school districts, local governments, and public housing authorities have joined the Rebuild Michigan program. Enrolled partners have pledged more than 235,571,500 square feet to energy efficiency projects.

Public building owners that are seeking help in reducing their energy use through cost effective improvements may contact Tim Shireman at (517) 241-6281 or at shiremant@michigan.gov.

Public Agency	Enrolled Sq. Footage
Village of Carsonville	13,737
City of Fremont	98,025
City of Imlay City	40,700
Laingsburg Schools	262,500
Marquette County	153,143
Orion Township	69,683
River Valley Schools	150,528
Saranac Community Schools	244,101
Victor Township	287,933

► FEATURED PUBLICATIONS ◀

Ten-Year Update: Emissions and Economic Analysis of Geothermal Heat Pumps in Wisconsin

This analysis determines the cost-effectiveness and environmental impact of geothermal heat pump systems. This study is an update of the 2000 study: Emissions and Economic Analysis of Geothermal Heat Pumps in Wisconsin.

http://www.ecw.org/resource_detail.php?resultid=397

EPA Challenges American School Districts to Save Energy and Money with Energy Star

During the back to school season, the EPA is challenging building managers & school administrators to improve energy efficiency throughout their facilities.

<http://yosemite.epa.gov/opa/admpress.nsf/d985312f6895893b852574ac005f1e40/d74f768ecfa9e11f8525762500522260!OpenDocument>

Greenest State of Michigan Facility to Activate Wind Turbine in Ribbon-Cutting Ceremony

The Bay City Business Center, the first LEED Gold-Certified State of Michigan facility, was the site of a ribbon-cutting ceremony to introduce its newly constructed wind turbine.

<http://www.prlog.org/10385706-greenest-state-of-michigan-facility-to-activate-wind-turbine-in-ribboncutting-ceremony.html>

► SHOW YOUR WINDOWS SOME LOVE: MAKE EM' GREEN! ◀

The old adage of “out with the old, in with the new” isn’t the case when it comes to “greening” your existing windows. Building owners often turn to windows as their first large “energy efficient” improvement to make in their facility(ies), but existing windows can be upgraded through weatherization and preservation. Using what you already have can help to reduce energy bills, boost energy efficiency, and make your building a little “greener”.

The debated argument that replacements are an investment over older windows is simply not true. In fact, the payback in energy cost savings on replacements may be several decades and the cost of replacements is no drop in the bucket. Replacement windows typically cost from \$300 to \$700 per window, but can go as high as \$1,000 per window. If you consider that you may not own the building for a lengthy amount of time or that the facility will be replaced, you may never see a return on your initial investment.

Windows made of old growth wood are denser and last longer than newly fabricated vinyl or PVC replacements. Over time, the integrity of a vinyl or PVC window diminishes and eventually requires replacement. Wood windows on the other hand are easily maintained and individual replacement parts are easily found at the local hardware store.

In addition, maintaining existing windows is another way of decreasing your organization’s carbon footprint on the environment. The manufacturing, distribution, and installation process of replacement windows consumes enormous amounts of energy; moreover, tack on the waste generated from removal and disposal of older windows and it adds up to a lot of unnecessary waste.

Replacing existing windows can also be expensive and time consuming. The removal of existing windows is a tedious process and replacement windows typically decrease the overall size of the window, creating a noticeable difference in the overall appearance of the structure.

Before replacing the windows in your facility consider these simple tips for “greening” your windows:

- *Maintenance* is a feather in your cap. Keeping your windows well-sealed from water and air is your first priority. Install weather stripping to keep the air out and to help reduce overall energy consumption. Replace glazing components when necessary. When putty appears to have moderate to severe wear, re-glaze the window to prevent air infiltration. Watch for water and any other condensation around the window and parts. Address any water infiltration issue at its source. Clearing away any moisture from the window can prevent rot and other fungi from forming.
- *Storm windows* act as an insurance plan for the protection of your windows. They increase overall energy efficiency and act as a sleuth providing clues about the overall state of your windows. Condensation typically means cold air is filtering inside the structure; whereas, fog generally is equated with warm air escaping to the outside. Install storm windows to act as your agent against weather protection.
- *Insulation* is the security blanket for your entire facility. Not only does insulation keep warm air from escaping through the roof, walls, and windows, but keeps cold air from filtering into the structure. Install insulation along the roofline, foundation, and walls. Not only is this a “green” energy saving tip, it’s a tried and true measure of weatherization.

Written by: [Jessica Williams](#), Analyst, MI Bureau of Energy Systems

Citation(s): The National Trust for Historic Preservation, Preservation Magazine, March/April 2009 Issue, “*Window Know-How: A Guide to Going Green*”.

► HOLIDAY ENERGY SAVINGS TIPS ◀

- ❄ Holiday decorations and lighting can add significantly to your energy bills, consider installing timers to reduce the amount of time your holiday lights are on. Just 10 strands lit for 13 hours a day can add more than \$50 to a monthly energy bill.
- ❄ This year try using energy-efficient LED lights, which use 10 percent of the energy of traditional mini-light strands.
- ❄ If you have old, incandescent lights look for a local recycling program and replace them with LEDs. Check out http://www.holidayleds.com/holidayledscom_christmas_light_recycling_program for more information.

For more holiday energy savings tips go to: http://www.energytomorrow.org/Holiday_Energy_Saving_Tips.aspx

If you would like to receive the newsletter electronically please email Stephanie Epps at epps@michigan.gov

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► ENERGY EVENTS ◀

Financing Program Support for ARRA Recipients Webinar

November 12, 2009
1:00 PM — 2:00 PM (EST)

Webinar

[http://www.eecbg.energy.gov/
solutioncenter/webcasts/default.html](http://www.eecbg.energy.gov/solutioncenter/webcasts/default.html)

Michigan Solid State Lighting Association Symposium

November 12, 2009
University of Michigan

Dearborn, MI

[http://www.michigan.gov/dleg/0,1607,7-
154-25676_25678-225266--,00.html](http://www.michigan.gov/dleg/0,1607,7-154-25676_25678-225266--,00.html)

Michigan's Future: Energy, Economy & Environ- ment

November 13-15, 2009
Crystal Mountain Resort & Spa

Thompsonville, MI

<http://www.futuremichigan.org/>

Introduction to Utility Energy Services Contracts (UESC) Webinar

December 11, 2009
11:00 AM — 1:30 PM (EST)

Webinar

[http://www1.eere.energy.gov/femp/news/
events_detail.html?event_id=3977](http://www1.eere.energy.gov/femp/news/events_detail.html?event_id=3977)

Midwest Energy Solutions Conference

January 13-15, 2010
InterContinental Chicago

Chicago, IL

[http://www.meeaconference.org/
fck_upload/2010/
MEEA_2010_SDT_screen.pdf](http://www.meeaconference.org/fck_upload/2010/MEEA_2010_SDT_screen.pdf)

Advertise your future energy efficient events with the Rebuild Michigan Partner Newsletter!

*If your school district, community, or local facilities are hosting an energy event and you would like to advertise your event, email your requests to Stephanie Epps at epps@michigan.gov and see your area's event in the next Rebuild MI Partner News.