

MICHIGAN

www.michigan.gov/energyoffice



Programs and Services

State Facilities

- ◆ Analyze cost-effective energy efficiency opportunities in state facilities; assist with upgrading facilities via energy performance contract procurements.
- ◆ Publish The Energy Observer – a quarterly technical bulletin for facility managers.
- ◆ Assist the Department of Management & Budget to reduce facility energy costs by at least 10% by conducting feasibility studies, benchmarking, project development, troubleshooting, monitoring, certifying energy cost savings for budget carryover (P.A. 122 of 1987) and by recognition.
- ◆ Access technical workshops and specialized consulting services from U.S. DOE/Office of Building Technologies and Midwest Building Technologies Application Center for state facilities interested in integrating advanced energy technology/applications.

Industrial Energy Efficiency

- ◆ Inform and educate Energy Managers of Michigan’s largest industrial energy users.
- ◆ Outreach strategies include electronic newsletter, training on software tools and best practices, and facilitating audit services.
- ◆ Operated under contract by Shepherd Advisors

Green Lodging Michigan

- ◆ Certify hotels, motels, resorts, and bed & breakfasts that have undertaken energy efficiency and green practices.
- ◆ First six facilities announced at program launch on October 18.

www.michigan.gov/greenlodging



Rebuild Michigan

- ◆ Provide grants to community organizations that promote local energy efficiency; assist building owners in identifying cost effective building energy upgrades and that encourage development of community resources for renewable energy generation.
- ◆ Offer energy services (building energy analyses, access to low interest loans, education and technical training) to schools, universities and local government and public housing commissions.
- ◆ Support K-12 school districts interested in developing energy education with grants for teacher training, curriculum materials and related school activities.
- ◆ Conduct technical workshops for facility managers and consultants to update their knowledge of energy efficient building technologies and applications. Offer funding assistance to organizations that plan and conduct local or area workshops that target the interests of Rebuild MI partners.
- ◆ Assist Rebuild Michigan partners to initiate Energy Star benchmarking and recognize goal achievement.
- ◆ Publish Rebuild MI Partner News and case studies to highlight the benefits from energy audits and energy efficiency projects.

Michigan Energy Demonstration Centers

- ◆ Energy Office supports eight centers located throughout the State. Centers promote energy efficiency, renewable energy, and green building solutions for Michigan residents and businesses.

- ◆ WARM Training Center assisted Habitat for Humanity of Detroit to built 30 homes as part of the Jimmy Carter Work Project in July 2005. These Energy Star homes were monitored during the first year of occupancy. The homes saved 52% over standard construction in Michigan.
- ◆ Past year 6,122 persons attended a tour or seminar at a Center. www.warmtraining.org/medc/

Energy Star Promotion

- ◆ Statewide program includes Michigan Interfaith Power & Light, Small Business Association of Michigan and several environmental organizations.
- ◆ Award annual grants to five builders to build and promote Energy Star homes.

Clean Cities Program/Alternative Transportation Fuels

- ◆ Fund incentives for public service stations to offer E85 or B20 refueling.
- ◆ Promote alternative fuels, infrastructure and clean vehicle technology in designated Clean Cities regions (including the greater Detroit area, Washtenaw County and greater Lansing area) and along highways that link Ann Arbor, Detroit and Lansing.
- ◆ Assist Clean Cities coalitions to become sustainable community-based organizations.

Solar Energy

- ◆ Since 2002, 14 grants have been awarded to universities, cities, and counties to install and demonstrate a 10 kW photovoltaic system. Grants can provide up to \$50,000 for the PV systems.
- ◆ Great Lakes Renewable Energy Assoc. conducted a solar energy education and aggregated purchasing project in Ann Arbor and Grand Rapids.



10 kW PV Calvin College, Grand Rapids

Wind Energy

- ◆ Michigan Wind Working Group had 8 meetings in 2006 to exchange information.
- ◆ Michigan State University Extension is providing assistance to farmers and has implemented an anemometer loan program. Wind speed data is posted on the MSUE web site for nine sites.
- ◆ Great Lakes Renewable Energy Association's 1st Michigan Energy Fair attracted 2500.

Biomass Energy

- ◆ Award DOE funds annually to cities, nonprofits, and universities for bioenergy projects. During the past year, state bioenergy grants have totaled \$197,000 and leveraged nearly \$1.8 million in project investments.
- ◆ Publish the Ethanol Coalition of Michigan's quarterly ECOM News for legislators and others interested in updates on ethanol plant and infrastructure developments and related information.
- ◆ Develop biogas workshops and outreach programs in collaboration with universities, Michigan State University Extension (MSUE), USDA, and the Small Business Association.
- ◆ Collaborate with MSU Wind Energy Project to identify rural opportunities for wind and anaerobic digestion.
- ◆ Increase use biofuels and bio-based fleet products within state and other government fleets.
- ◆ Participate in a Midwest regional collaborative on biomass data gathering, analysis and resource sharing/editing.