



Michigan Energy Office

Rebuild Michigan assists public K-12 schools, colleges, universities, local governments, public housing commissions & nine community partners to initiate energy efficiency projects in their buildings.

The Program offers on-site technical assistance and information to help building owners install cost-effective energy efficiency projects.

Rebuild Michigan 2007 ANNUAL REPORT

Community Partnerships

During 2007, Rebuild Michigan Partnerships assisted public/commercial building owners with improving energy efficiency in their buildings and promoting energy efficiency and renewable energy development in their local area. A partnership comprises a lead organization and coalition of local partners that receives start up funding from the MI Energy Office and technical support to organize and develop their program into one that sustain after the grant expires.

Partnership accomplishments for 2007 included completion of introductory energy analyses (IEEs) for three public housing commissions through the **Rebuild MI Escanaba Housing Commission partnership**; IEEs for the city public library and civic center and the Ecorse Public School administration through the **Rebuild MI City of Ecorse partnership**; and, IEEs for two local businesses and a state park through the **Rebuild MI Northeast MI Council of Governments partnership**. The **Rebuild MI City of Marshall partnership** became a sustaining one and plans to help their clients that received IEEs to design and implement energy efficiency projects. Six new partnerships, added in 2007, include the **Alliance for Environmental Sustainability** (City of Grand Rapids), **Kent/MSU Extension** (City of Grand Rapids), **GrandWalk Sustainable Community** (Cities of Walker & Grand Rapids), **WARM Training Center** (Detroit), **Upland Hills Ecological Awareness Center** (Oakland Co) and the **MI Suburbs Alliance** (Detroit Suburbs). These new partnerships will be completing most of their IEEs for public and commercial buildings in 2008.

Opportunities for additional committed communities to become Rebuild Community Partnership will be available early in 2008. For more information on Rebuild MI Community Partnership visit www.michigan.gov/eorebuild.

2007 In Quick Review



The Rebuild Michigan Program team conducted on-site introductory energy evaluations for 60 clients, including K-12 schools, universities, local governments and housing commissions. Program focus continues to be statewide energy project implementation in commercial buildings.

During 2007, Rebuild Michigan clients reported investment in building energy efficiency projects totaling more than \$14,000,000 dollars. The graph represents total project investment reported since the inception of Rebuild Michigan in 1998. That total reported project investment for all program years now exceeds \$69,000,000 million.

Rebuild MI Client Project Case Studies

The City of Cheboygan engineered a comprehensive energy project with a total investment of \$345,000 and average annual savings rate of \$37,983 for an average simple payback of 9.1 years. The project involved a city hall, maintenance garage, wastewater treatment plan, ice arena and opera house. Installed measures included T8 fluorescent lighting, high bay T8 fluorescent lighting, cold cathode fluorescent lamps, occupancy sensors, vending machine misers, HVAC controls, pipe insulation. Funding came from an energy performance contract. The county was 2005 enrollee in the Rebuild Michigan program and completed their project in 2006.

West Iron County Public Schools in the Upper Peninsula completed a comprehensive energy project with a total investment of \$197,242, average savings rate of \$26,951 for an average simple payback of 7.3 years. The project involved a middle school, elementary school, high school and bus garage. Installed measures included two new steam boilers, steam trap replacement, energy efficient water heater, high efficiency double pane glazing, temperature setback, LED exit signs and occupancy sensors. The school system was a 2000 enrollee in the Rebuild Michigan program and completed their project in 2006.