

Michigan Recovery & Reinvestment Plan

State Energy Program

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DELEG



State Energy Program - Background

- State Energy Conservation Program
 - Address energy conservation in the states
- State Energy Efficiency Programs Improvement Act [P.L. 101-4407]
- State Energy Program
 - Increase the E2 of the US economy
 - Reduce energy costs
 - Improve the reliability of electricity, fuel, and energy services delivery
 - Develop alternative and renewable energy resources
 - Provide economic growth and stability
 - Reduce our reliance on imported oil



MI State Energy Program - Objectives

- Increase E2 to reduce energy costs and consumption for consumers, businesses and government.
- Reduce reliance on imported energy
- Improve the reliability of electricity and fuel supply and delivery of energy services.
- Reduce the impacts of energy production and use on the environment.



State Energy Program - Michigan

- Building – Residential, Commercial, State/Local Government and School
 - 10 years = \$10M
- Consumer Education
 - 10 years = \$2M
- Electric Power & Renewable Energy
 - 10 years = \$5M
- Industry
 - 10 years = ~\$1M
- Policy and Program Planning
 - 10 years = \$2.5M
- Transportation Alt. Fuel and Clean Cities
 - 10 years = \$4M



State Energy Program - Michigan

- Energy Demonstration Centers
- Rebuild Michigan and Community Partnership Program
- Green Lodging Michigan Program
- Community Energy Project Grant
- Energy Star Products and Energy Star Home Promotions
- Agri-Energy Conference
- Renewable Energy Grant
- Conferences and Workshops
- Clean Cities Coalition



State Energy Program – Recovery Act

- American Recovery and Reinvestment Act 2009 (ARRA, P.L. 111-5)
 - Create jobs, Economic recovery, and Assist those impacted by the recession.
- \$18.5B for Energy Efficiency and Renewable Energy
 - \$3.1B for State Energy Programs
 - Michigan is allocated approx. \$82M



MI State Energy Program – Priorities

- **State-owned Buildings - \$56M**
 - Reduce energy consumption in buildings
 - LEED Certification
- **Energy Efficiency and Supplier Chain Diversification - \$23M**
 - Est. baseline of E2 measures in residential and commercial buildings and the equipment used therein
 - Diversify Tier II and III business portfolios into renewable energy sectors.
 - Drive E2 in small industrial operations
- **Policy/Program/Project Man./Adm. - \$3M**



MI State Energy Program – Rational

- Reduce energy consumption in State-owned building
- Inadequate funding for energy conservation measures
- Stressed state budget
- Promote advance manufacturing of renewable energy resources.
- Reduce the cost of state government



MI State Energy Program - Timeline

- Initial State Energy Plan – March 23, 2009
- Comprehensive Due – May 12, 2009
- Completion Date – March 31, 2012

- Energy Audits – April 2009
- Solicitation for State Projects – May 2009
- Solicitation for Supplier Diversification – July 2009
- Solicitation for Small Business E2 Loans – June 2009



MI State Energy Program - Reporting

METRIC

- Building Retrofits
- Building Audits
- Financial Incentives for E2 Investments
- Workshops and Training

OUTCOMES

- Jobs Created/Retained
 - Estimate 1 direct job per \$92,000 invested
- Cost Effectiveness of Energy Savings
 - Estimated units of energy saved (BTUs) per \$1,000 invested
- GHG Emission Reduction
- Renewable Energy Capacity and Generation



Contact Information

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Important Links

- Michigan Recovery Website
 - www.michigan.gov/recovery
- BES Recovery Information
 - www.michigan.gov/energyoffice
- Department of Energy's SEP
 - http://apps1.eere.energy.gov/state_energy_program/
 - FedConnect Website (must register first)
 - <https://www.fedconnect.net/FedConnect/>

