



American Recovery and Reinvestment Act



U.S. DEPARTMENT OF ENERGY • MICHIGAN RECOVERY ACT SNAPSHOT

Funding for selected DOE projects: \$1.7 billion

DOE Recovery Act projects in Michigan: 119

Clean energy tax credits and grants: 14

For total Recovery Act jobs numbers in Michigan go to www.recovery.gov

The American Recovery & Reinvestment Act (ARRA) is making a meaningful down payment on the nation's energy and environmental future. The Recovery Act investments in Michigan are supporting a broad range of clean energy projects from battery manufacturing to energy efficiency and the smart grid, renewable energy, and carbon capture and storage. Through these investments, Michigan's businesses, universities, non-profits, and local governments are creating quality jobs today and positioning Michigan to play an important role in the new energy economy of the future.

EXAMPLES OF MICHIGAN FORMULA GRANTS

| Program | State Energy Program | Weatherization Assistance Program | Energy Efficiency Conservation Block Grants | Energy Efficiency Appliance Rebate Program |
|---------------------|---|--|--|---|
| Award (in millions) | \$82 | \$243.4 | \$78 | \$9.6 |
| | The Michigan Department of Energy, Labor, and Economic Growth has received \$82 million to invest in state-level energy efficiency and renewable energy priorities. | The State of Michigan has received \$243.4 million to scale-up existing weatherization efforts in the state, creating jobs, reducing carbon emissions and saving money for Michigan's low-income families. Over the course of the Recovery Act, Michigan expects to weatherize more than 33,400 homes. | Seventy communities in Michigan have received a total of \$78 million to develop, promote, implement, and manage local energy efficiency programs. | The Michigan Department of Energy, Labor, and Economic Growth has received \$9.6 million to offer consumer rebates for purchasing certain ENERGY STAR® appliances, which reduce energy use and save money for families, while helping the environment and supporting the local economy. |

EXAMPLES OF MICHIGAN COMPETITIVE GRANTS, TAX CREDITS AND LOANS

| | | | | | |
|-------|--|--|--|---|--|
| Award | \$5.9 billion | \$299.2 million | \$249.1 million | \$161 million | \$20.7 million |
| | Ford Motor Company closed a \$5.9 billion loan arrangement under the Department of Energy's Advanced Technology Vehicles Manufacturing program to transform factories across Illinois, Kentucky, Michigan, Missouri, and Ohio to produce 13 more fuel efficient models. The company estimates the project will transform nearly 35,000 employees to green engineering and manufacturing jobs. | Michigan is home to a number of major advanced battery manufacturing grants that will help to establish a domestic manufacturing base for electric vehicle batteries. These grants include Johnson Controls, Inc. in Holland that has been awarded \$299.2 million to build domestic manufacturing capacity for advanced batteries for hybrid and electric vehicles. | A123 Systems, Inc. in Romulus has been awarded \$249.1 million to expand the company's global final cell assembly capacity to over 360 MW hours. | KD ABG MI, LLC (Dow Kokam) in Midland has been awarded \$161 million to establish manufacturing operations and to produce affordable advanced superior lithium polymer battery (SLPB) technology for the hybrid and electric vehicle markets. | Michigan received five 1603 payments for renewable energy generation totaling \$20.7 million , which include solar, wind, and biomass projects. For example, L'Anse Warden Electric Company received \$11.7 million for a biomass project. |

Funding Allocation Table (Figure 1)

Total dollar amounts in this document are accurate as of June 1, 2010. Please note that Recovery Act Programs are ongoing and the dollar amounts are subject to change. Recipient locations are based on project sites rather than recipients' headquarters locations.

| Recovery Act Pillar | Flagship Program Names & Funding Type ¹ | Number of Selections | Selected Amount (in millions) ² |
|---|---|----------------------|--|
| Energy Efficiency | <i>Weatherization Assistance Program (F)</i> | 1 | \$243.4 |
| | <i>State Energy Program (F)</i> | 1 | \$82.0 |
| | <i>Energy Efficiency and Conservation Block Grant (F)</i> | 70 | \$78.0 |
| | <i>Energy Efficient Appliance Rebate (F)</i> | 1 | \$9.6 |
| | <i>Industrial Energy Efficiency (CM)</i> | 1 | \$0.1 |
| | <i>Additional Programs (CM & C)</i> | 1 | \$2.7 |
| | TOTAL Energy Efficiency | 75 | \$415.8 |
| Renewable Energy | <i>Solar (CM)</i> | 1 | \$0.1 |
| | <i>Wind (CM)</i> | 3 | \$1.8 |
| | TOTAL Renewable Energy | 4 | \$1.9 |
| Electric Grid | <i>Smart Grid Investment and Demonstrations Project (CM)³</i> | 3 | \$108.2 |
| | <i>State and Local Energy Assurance and Regulatory Assistance (F)</i> | 4 | \$2.4 |
| | <i>Smart Grid Workforce Training (CM)</i> | 2 | \$5.1 |
| | TOTAL Electric Grid | 9 | \$115.7 |
| Transportation | <i>Advanced Battery Manufacturing (CM)</i> | 6 | \$1,029.0 |
| | <i>Transportation Electrification (CM)</i> | 5 | \$89.0 |
| | <i>Clean Cities Alternative Fuel and Vehicles Program (CM)</i> | 1 | \$15.0 |
| | <i>Advanced Fuels (CM)</i> | 6 | \$20.7 |
| | <i>Additional Programs (CM)</i> | 3 | \$24.6 |
| | TOTAL Transportation | 21 | \$1,178.3 |
| Carbon Capture and Storage | <i>CCS Projects (CM)</i> | 1 | \$2.7 |
| | TOTAL Carbon Capture and Storage | 1 | \$2.7 |
| Science and Innovation | <i>Advanced Research Projects Agency - Energy (ARPA-E) (CM)</i> | 2 | \$5.2 |
| | <i>Energy Frontier Research Centers (CM)</i> | 1 | \$19.5 |
| | <i>Small Business Research (SBIR/STTR) (CM)</i> | 3 | \$0.4 |
| | <i>National Laboratory Facilities (C)</i> | 1 | \$0.3 |
| | <i>Additional Programs</i> | 2 | \$1.5 |
| | TOTAL Science and Innovation | 9 | \$26.9 |
| TOTAL - DOE Programs⁴ | | 119 | \$1,741.3 |
| Tax Credits/ Payments ⁵ | <i>Payments for Renewable Energy Generation in Lieu of Tax Credits (1603)</i> | 5 | \$20.7 |
| | <i>Clean Energy Manufacturing Tax Credits (48C)</i> | 9 | \$224.5 |
| | TOTAL Tax Incentives | 14 | \$245.2 |
| TOTAL - DOE/Treasury + DOE | | 133 | \$1,986.5 |
| ¹ F=Formula Grant, CM=Competitive Grant, C=Contract | | | |
| ² "Selected" indicates DOE has selected a potential funding recipient, which begins the process of negotiating an agreement. This does not necessarily indicate that a final agreement has been reached. | | | |
| ³ Projects may cross state boundaries, signifies HQ location. | | | |
| ⁴ Total does not include administrative funds. | | | |
| ⁵ Jointly administered by DOE and the U.S. Department of Treasury. | | | |