

Michigan's Energy Future Today



The opportunity to create new Michigan jobs rests overwhelmingly with the clean energy, green-collar economy. With our advanced manufacturing expertise, our depth of engineering talent, and our local access to OEMs and suppliers, we are poised to create tens of thousands of good-paying green jobs for Michigan workers.

In November 2008, Gov. Granholm reorganized what was Michigan's Department of Labor & Economic Growth into the new Department of Energy, Labor & Economic Growth, a move that boldly underscores the governor's desire to create a strategic alliance uniting energy, workforce and economic growth. By realigning energy resources under DELEG and redefining the director as the chief energy officer for the state, the governor put additional emphasis on reinvigorating this segment of Michigan's economy.

Renewables

In the renewable energy sector, Michigan has the potential to become a regional powerhouse in wind turbine manufacturing. With Michigan's engineering expertise coupled with our proficiency in advanced manufacturing, our state is uniquely positioned to meet the booming global demand for wind turbines and wind turbine components. Michigan is already a heavy-hitter in the area of solar technology, but these companies currently ship most of their product overseas. DELEG's goal is for Michigan to capture the entire value chain for solar, including development, advanced manufacturing of solar arrays and panels, project development and design, and all aspects of solar deployment.

Energy Efficiency

Investments in energy efficiency represent a major opportunity for Michigan to create jobs, save money, and reduce our reliance on fossil fuels. In fact, energy efficiency creates more jobs per dollar than fuel-based solutions. By replacing traditional fossil fuel energy, Michigan's energy efficiency program will save Michigan over \$3 billion in electricity costs over the next 20 years and help to avoid the need for construction of additional baseload power plants.

Batteries

Advanced energy storage, and in particular the production of lithium ion batteries for cars, holds enormous potential for job creation in Michigan. While Asian firms currently have a head start in the advanced battery market, Michigan is rapidly becoming a center for advanced energy storage innovation aimed at electrifying the automobile and storing wind and solar energy. We can get Michigan moving again by growing this sector, and by connecting our trained workforce to these high-tech green jobs.



Workforce Development

Year two of the No Worker Left Behind program features the new Green Jobs Initiative, a \$6 million investment of federal dollars designed to increase the number of green industries and businesses in Michigan. The Green Jobs Initiative also provides training for jobs in alternative energy industries including wind, solar, biofuels, geothermal and other green industries that will help accelerate workers' transition into new jobs. The Department of Energy, Labor & Economic Growth (DELEG) is partnering with community colleges, entrepreneurs, and employers to create the training programs needed to help green companies succeed in Michigan and make sure that those green jobs are created here.

The Green Jobs Initiative will:

- create green sector skills alliances that bring together business, labor, government and education leaders who share an interest and expertise in a specific green sector of Michigan's economy to develop training programs for jobs in that sector;
- invest in Michigan's community colleges, universities, and training facilities to build their capacity to develop and provide training for green jobs;
- expand No Worker Left Behind to provide tuition support for eligible individuals pursuing approved green-jobs training programs at Michigan colleges and universities.

Recovery Act Funding

On February 17, 2009, President Obama signed into law the "American Recovery and Reinvestment Act of 2009," an aggressive national economic recovery plan designed to jumpstart our economy, create jobs, and help Americans struggling to provide for their families. Michigan stands to receive approximately \$1 billion in federal recovery funds for energy efficiency and renewable energy. Gov. Granholm has identified five key priorities for investing Michigan's share of the economic recovery dollars:

1. Creation of new jobs and jumpstart Michigan's economy;
2. Training of Michigan workers and educate Michigan students for the good jobs here today, and the new jobs we create tomorrow;
3. Rebuilding Michigan infrastructure -- roads, bridges, water and sewer systems, mass transit, broadband, health information technology, and schools;
4. Providing assistance for struggling Michigan families;
5. Investing in energy efficiency and renewable energy technologies to create jobs, save money, and reduce our reliance on fossil fuels.

www.michigan.gov/deleg www.michigan.gov/recovery www.michigan.gov/energyoffice

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