

Success Stories



Project Details:

Location:

2445 Monroe Street
Toledo, OH 43620

Project Contact:

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Technologies:

100 kW solar photovoltaic system

Funding Source:

American Recovery and Reinvestment Act –
State Energy Program

Incentives:

\$442,904

Total Project Costs:

\$664,527.25

Energy Impacts:

- 8 percent reduction in energy use
- Producing around 150,000 kWh of electricity annually

Economic Impacts:

- Saves \$25,000 per year in energy costs
- Jobs created or retained: 13 FTE's

Environmental Impacts:

- Reduced CO₂ emissions by more than 225,000 pounds per year, which is equivalent to taking 20 cars off the road.

Toledo Museum of Art



Background:

The Toledo Museum of Art was founded in 1901 and has grown over the years to fill 45 galleries, lecture hall, café, 15 classroom studios and much more. The campus stretches over 36 acres and is open free of charge six days a week.



Challenge:

Energy efficiency and reduction in greenhouse gases has been a focus for the Toledo Museum of Art. Energy efficient lighting was installed with motion detectors and variable frequency drives were added to pumps. In 2008, the museum installed 101 kW of solar panels but wanted to increase the solar energy produced. They applied for the ARRA grant to receive funding for additional solar panels.



Solution:

The same company that installed the solar panels in 2008, Advanced Distributed Generation, and the same solar panel producer, FirstEnergy, were once again involved with the system's installation. The addition included 100 kW of solar panels, doubling the previous amount of solar energy. More than 2,800 solar panels cover 60 percent of the roof.

"This is one example of what could be done to make our state more progressive and to make us less dependent on outside supplies for our energy needs"

-Ted Strickland, Former Governor of Ohio

*Job creation numbers are based on direct jobs created or retained using Full-Time Equivalent (FTE) hours.



Department of
Development

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