



Success Stories



Project Details:

Location:

525 Elm Street
Cincinnati, OH 45202

Project Contact:

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Technologies:

101 kW solar photovoltaic system

Funding Source:

American Recovery and Reinvestment Act –
State Energy Program

Incentives:

\$402,937

Total Project Costs:

\$796,162

Energy Impacts:

- 2.1 percent reduction in electricity use
- Generating more than 126,000 kWh of electricity per year

Economic Impacts:

- \$12,900 energy cost savings per year
- Jobs created or retained: 54 FTE's*

Environmental Impacts:

- Reduces CO₂ emissions by more than 180,000 pounds per year, which is equivalent to taking 16 cars off the road.

Duke Energy Convention Center



Background:

The Duke Energy Convention Center is located in downtown Cincinnati and recently underwent a renovation that now ranks it as the “best-in-class” center in the Midwest. The building covers 750,000-square-feet and has implemented energy efficiency and renewable energy in addition to the solar panels outlined in the Global Spectrum Total Environmental Plan.



Challenge:

The convention center has demonstrated commitment to energy conservation and sustainability through a recycling program, use of efficient lighting and using environmentally friendly cleaning chemicals. The facility also wanted to incorporate renewable energy measures, which would allow them to be one of the first assembly facilities of their class to use alternative energy sources.



Solution:

The facility has 429 American made Sharp solar panels and inverters installed on the roof to deliver 101 kW of energy, reducing the amount of electricity used by 10 percent each year. Space still remains on the roof, allowing for future solar projects.

“The Duke Energy Convention Center solar project is just the tip of the iceberg for our center’s efforts with green initiatives. Our hope is to use this project to enhance our facility to national planners and to help ‘grow’ the solar panel site to double or triple the amount of panels in place on the roof of the center.”

-Ric Booth, General Manager of the Duke Energy Convention Center

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



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Development

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