

# Success Stories



## Project Details:

### Location:

4747 Spring Grove Avenue  
Cincinnati, OH 45232

### Project Contact:

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### Technologies:

280 kW solar photovoltaic system

### Funding Source:

American Recovery and Reinvestment Act –  
State Energy Program

### Incentives:

\$775,665

### Total Project Costs:

\$1,580,813

### Energy Impacts:

- 12 percent reduction in electricity use
- Generating approximately 315,000 kWh of electricity per year

### Economic Impacts:

- Saves approximately \$15,800 per year in energy costs
- Jobs created or retained: 42 FTE's\*

### Environmental Impacts:

- Reduces CO<sub>2</sub> emissions by more than 480,000 pounds per year, which is equivalent to taking 43 cars off the road.

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

## Greater Cincinnati Water Works



### Background:

Greater Cincinnati Water Works provides clean drinking water to more than a million residents in the Cincinnati area and processes 48 billion gallons of water each year. Their mission is to provide customers with a plentiful supply of the highest quality water and outstanding services in a financially responsible manner.

### Challenge:

Greater Cincinnati Water Works strives to operate a business with limited working costs and minimal strain on the environment. They previously installed a 43 kW solar project to help offset energy costs and wanted to expand their solar energy production.

### Solution:

An additional 1,274 American-made Sharp solar panels and one American-made PV Powered inverter were installed adding 280 kW of solar, creating one of the largest solar projects in Hamilton County. In addition to job creation, economic development, and environmental benefits, this project will provide long term benefits to Greater Cincinnati Water Works through its positive effect on the operational budget.

*"This is a tremendous opportunity for Greater Cincinnati Water Works and the greater Cincinnati community. By installing the second set of solar panels, we expect to lower the annual electricity usage at our Spring Grove facility by 12 percent which, in turn, will lower our operating costs and reduce our carbon footprint."*

- Joshua Waldroff, Project Manager at Greater Cincinnati Water Works



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