

# Success Stories



## Project Details:

### Location:

400 Buckeye Street  
Rockford, Ohio 45882

### Project Contact:

Gregory Puthoff  
puthofg@parkwayschools.org  
(419) 363-3045

### Technologies:

100 kW solar thermal system

### Funding Source:

American Recovery and Reinvestment Act –  
State Energy Program

### Incentives:

\$16,080

### Total Project Costs:

\$89,000

### Energy Impacts:

- Reducing natural gas usage by 1035 MMBTUs annually
- Offsetting up to 75 percent of water heating needs

### Economic Impacts:

- \$4,400 cost savings per year
- Retained 5 jobs

### Environmental Impacts:

- Reduce CO<sub>2</sub> emissions by more than 110,000 pounds annually, which is equivalent to taking 10 cars off the road.

## Parkway Local Board of Education



### Background:

Parkway Local School District serves Mercer County and was awarded an excellent rating on the 2009-2010 report card from the Ohio Department of Education. The single, 245,000-square-foot building was built five years ago under a partnership with the Ohio School Facilities Commission and accommodates about 1,100 K-12 students.



### Challenge:

About the time when the Parkway Local Schools in Rockford, Ohio, were looking for ways to save energy in its K-12 school building, the federal government was providing grants for such projects through the economic stimulus package.



### Solution:

The District installed a 100 kW solar thermal system at the Parkway High School that will act as an educational tool as well as offset 75 percent of the natural gas used by the facility. The school sent two high-school science teachers and two middle-school science teachers for training and ordered curriculum material so students can learn more about how solar thermal works and the advantages of it.

*"Besides the energy we're saving for the planet and the money we're saving for the district, our students are excited that we're doing something 'green' and that they can see a system here that is helping the environment,"*

- Gregory Puthoff, Superintendent of Parkway Local Schools



Department of  
Development

Community Services Division, Office of Energy  
77 South High Street, 26th Floor, P.O. Box 1001, Columbus, Ohio 43216-1001  
Phone (614) 466-6797 Fax (614) 466-1864 energy@development.ohio.gov

[www.energy.development.ohio.gov](http://www.energy.development.ohio.gov)