



## CASE STUDY :: SOUTH JERSEY GAS HEADQUARTERS Solar Project

Location: Folsom, NJ  
Project Cost: \$322,000  
Capacity: 49.8 kW  
Project Type: Design, Install, Maintain, Own, Operate and Power Purchase Agreement  
Year Completed: December 2009

### PROJECT DESCRIPTION

South Jersey Gas Company installed a 50 kW roof mounted photovoltaic system at their headquarters in Folsom, NJ. This array demonstrates South Jersey Gas's dedication to promoting sustainable energy in South Jersey and throughout the state. The roof mounted array in Folsom received a \$50,000 rebate through the New Jersey Clean Energy Program.

Using Sharp 235 Watt photovoltaic panels, this system will generate nearly 60,000 kWh annually which is equal to eliminating 84,000 lbs of CO2 emissions. The Sharp panels are mounted to a SunLink racking system and utilize Solectria inverters. The array is also monitored by a Noveda data acquisition system which monitors and logs essential array performance.

Energenic provided project financing under a Power Purchase Agreement in which Energenic sells electricity to South Jersey Gas at a discounted electric rate. All generated power will be used on-site by the South Jersey Gas facility. The photovoltaic array generates Solar Renewable Energy Credits and received the 30% Federal Investment Tax Credit.



Experience with Solar Incentives: This roof mounted array received a rebate from the New Jersey Board of Public Utilities for nearly \$50,000. This project generates Solar Renewable Energy Credits and received the 30% Federal Investment Tax Credit.