

North Shore LIJ Benefits from Solar Array

In 2011, the North Shore-LIJ Healthcare System – Southside Hospital partnered with Senior Administration to evaluate the long term value of implementing renewable energy technologies that would result in clean energy resources, continuous energy cost savings and provide a safe environment to its patients and communities.

Project Keys to Success

North Shore-LIJ HS recognized that its Healthcare facilities consume large amounts of energy because of how they operate and the complex technologies that are necessary to treat its patients along with its many energy intensive activities that occur within its space.

Its administration agreed to install a 50 kilowatt (kW) solar array on the roof of its Materials Management Building in Bay Shore, New York. The solar array produces approximately 55,000 kilowatt-hours (kWh) annually. This installation provides an outstanding example of a healthcare system making use of its auxiliary buildings as candidates for the installation of renewable energy.

Financing

The project was funded internally by NS LIJ and were partially reimbursed by the American Recovery and Reinvestment Act (ARRA) and the New York State Energy Research and Development Authority (NYSERDA).



Photo credit: NS-LIJ HS Southside Hospital

SOLAR PROJECT SPOTLIGHT

Date Installed	December 2011
Location	Bay Shore, New York
Installation Type	Roof Mounted
Size	50 kW
Annual Production	55,000 kWh
Expected Payback	2 years
Financing	Cash purchase and grant
Key Support	Director of Engineering

KEY TAKEAWAYS

- ▶ Coordinate energy efficiency measures and solar arrays installations with the infrastructure capital plan to overcome internal implementation barriers. In doing so you will be able to select a location that will not interfere with planned equipment replacement projects.
- ▶ Identify achievable energy savings and other benefits that would result in advantageous and continuous cost savings to the organization by installing solar arrays.
- ▶ Other benefits include ongoing energy curtailments, the use of clean renewable energy sources, and providing a cleaner and healthier environment to its patients and community.
- ▶ Gain buy in from your engineering department to ensure a smooth and successful implementation process.