



Green Innovation Grant Program (GIGP) No. 21

DWSRF Project No. D0-17964

City of Syracuse

Project Name: Solar Photovoltaic System Mounted on Westcott Tanks

DEC Region: 7 County: Onondaga

Type of Financing: American Recovery and Reinvestment Act (ARRA) Green Innovation Grant Program

Estimated Total Project Cost: \$487,270.00

Recommended GIGP Award Amount: \$438,543.00

Local Share: \$48,727.00

Other Funding Sources: \$0.00

Project Category: Drinking Water SRF. Energy Efficiency.

Project Description:

This project involves installation of a 50 kilowatt (kW) solar power system to provide renewable energy from solar power at the new Westcott Water Tanks in the City of Syracuse.

Project Summary:

The new water tanks are presently under construction and pre-engineering for the solar power system is underway. The 50 kilowatt (kW) solar power system will provide more than 56,000 kWh of green energy annually, powering much of the City's proposed Ultraviolet Treatment system, which is required to meet new drinking water standards at the Westcott site.

This project is categorically eligible for GIGP financing in two categories per the United States Environmental Protection Agency's (EPA's) "Guidance for Award of Recovery Act Funding to State Revolving Funds" (pages 48-49)

1. Energy Efficiency. Categorically eligible projects include "capital projects that reduce the energy consumption of eligible drinking water infrastructure projects" including the example in IV. c. "producing clean power for treatment systems on site" via solar power.
2. Environmentally Innovative Projects. "Definition: Within the context of the DWSRF program, 'environmentally innovative projects' would include those that ...demonstrate new and/or innovative approaches to delivering service and /or managing water resources in a more sustainable way..." "Examples of projects include but are not limited to...ii. Projects, or components of projects, consistent with a "Total Water Management" planning framework; or other planning framework which project life cycle costs (including infrastructure, energy consumption and other operational costs) are minimized." The use of solar power for the Water District's operations is more environmentally innovative and more sustainable than reliance on the use of fossil fuels.

Funding Summary:

The City of Syracuse will provide the local share of at least 10%.

SEQR Findings:

The Corporation has determined that the proposed action will finance a project which constitutes the "...replacement, rehabilitation or reconstruction of a structure or facility in kind..." and the "...construction or expansion of primary or accessory/appurtenant structure involving less than 4,000 square feet..." which is a "Type II" action under SEQR, pursuant to 6 NYCRR 617.5(c)(2) and 6 NYCRR 617.5(c)(7).

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
City of Syracuse Solar Photovoltaic System Mounted on Westcott Tanks	January 15, 2010	December 31, 2010