

Final Technical Performance Report

1. EERE Award Number: DE-EE0003172

Grant Recipient: City of Perth Amboy

Project Title: Municipal Complex Solar Project

Principal Investigator: Jono Sher

DOE Project Team: DOE Contracting Officer – Jono Sher

DOE Project Officer – Fania Gordon

Project Engineer – Michael Wofsey

2. Executive Summary

This project is a great benefit to the City of Perth Amboy by saving energy and savings costs. The project serves as a great example to city residents about the importance of renewable energy, energy conservation and other environmental topics. An electronic display in the City Hall shows how much energy was generated on that day, how much energy is saved, and environmental benefits. The project serves to educate people of environmental concerns and may spark the interest of individuals in other environmental topics. Hopefully, other residents will be encouraged to use solar energy. The project is also saving money for the City and its taxpayers. Anywhere we can save money means that residents can pay less in taxes and/or the City can provide improved services.

3. Accomplishments and Objectives

Project goals were to install photovoltaic panels on the roof of the Public Safety Complex in order to reduce reliance on fossil fuels and reduce costs on energy. Another goal was to have the solar installations serve as a demonstration project to make the public aware and interested in renewable energy sources. The project location was changed to the Municipal Marina, but the goals of reducing reliance on fossil fuels, reducing energy costs and implementing and demonstration project were achieved.

4. N/A

5. Project Objectives

The original project objective, as indicated in the project title, was to install solar panels on the Municipal Complex. This was determined to be not feasible and the project location was moved to the Municipal Marina. Hurricane Sandy damaged the Marina building delaying the project and altering the scope of work. Project activities included engineering design, permitting, electrical work, installation of solar panels and construction management.

6. Products

- a. There were no publications or conference papers prepared for this project.
- b. http://live.deckmonitoring.com/?id=perth_amboy
- c. The City built relationships with Dome-Tech, EMSA Solar and the Department of Energy.

- d. Rooftop photovoltaic panels
- e. None
- f. A TV monitor was mounted in the Perth Amboy City Hall and shows the energy generation from the solar panels.

7. N/A