

EXECUTIVE SUMMARY:

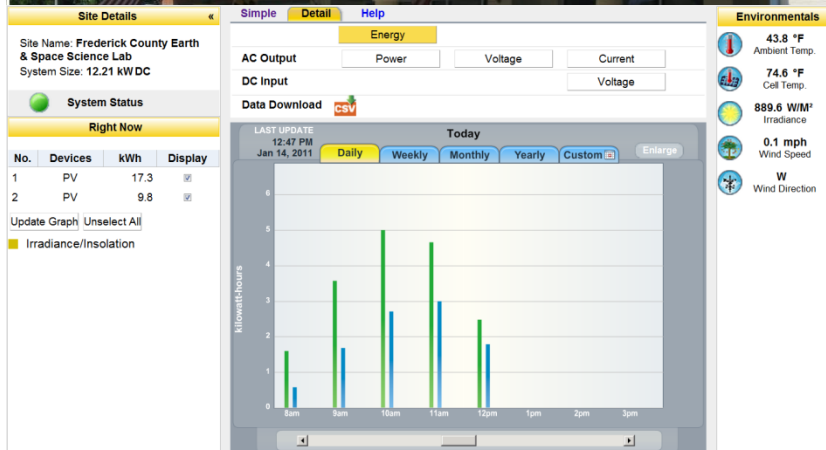
- Feasibility Study –Site Analysis
- Load Calculations
- Life Cycle Cost Analysis
- Site Selection
- Comprehensive Design, Documentation, Construction
- Installation
- Commissioning and System Performance Validation
- Monitoring

PROJECT DESCRIPTION:

The Earth Space & Science Laboratory project is a 12.21 kW grid-tied solar electric system. Aurora Energy provided a turnkey solution including site analysis, engineering, design and installation for the project.

The system included the installation of 50 roof mounted solar modules, 24 wall mounted solar modules, 2 grid-tied inverters, a remote monitoring system, a weather station and utility interconnection.

The monitoring system is publically available via the internet and displayed in the school lobby for educational purposes. The weather station monitors cell temperatures, ambient temperatures, irradiance and wind speeds



Earth Space & Science Laboratory

12.21 kW

TITLE AND LOCATION:

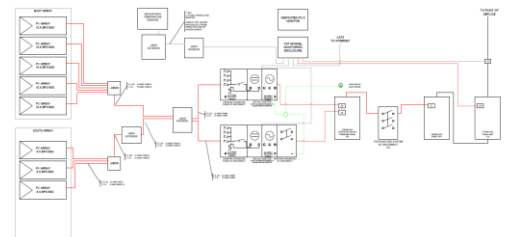
Solar Array Feasibility Study and Installation, Frederick, MD

PROJECT OWNER:

Frederic County Public Schools

COMPLETION DATE:

June 2009



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