

Your Trusted Systems Integrator for Solar SCADA

SUPERVISORY CONTROL AND DATA ACQUISITION SYSTEM FOR THE PROSPERITY ENERGY STORAGE PROJECT



Public Service Company of New Mexico was awarded a U.S. Department of Energy contract for a smart grid energy storage demonstration project, which involved the installation of a utility scale battery and a 500 kilowatt solar photovoltaic plant near Albuquerque, New Mexico.

Trimark Associates, Inc. (Trimark) was the Systems Integrator and Metering Engineer for this research project. This project teamed Trimark with New Mexico's largest electric utility, solar power production equipment suppliers, and scientists and researchers at Sandia National Laboratories and two state colleges, to develop innovative approaches to storing and managing solar energy.

Energy Smoothing & Shaping

The use of energy storage to capture renewable power as it is produced, and then delivered it to the grid when it is needed, is a key issue of photovoltaic system operations. This project will investigate alternate approaches to using energy storage for shaping and smoothing the power output.

Bringing It All Together

Trimark provided integration of the meters, monitoring and data management systems that comprise the Prosperity Energy Storage Project. Trimark's innovative approach and specialized expertise in delivering synchronized meter and power production data, is essential to the success of this important effort.

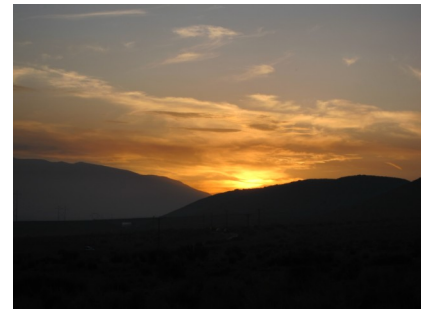


Project Highlights

Challenge: Deliver a predictable power output from an intermittent resource

Solutions:

- * Hybrid Design—Photovoltaic, Solar and Battery Storage
- * Deliver a SCADA platform to enable algorithm development and evaluation within a demonstration environment
- * Leading edge opportunity to implement and measure performance results




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