

CALIFORNIA STATE UNIVERSITY SACRAMENTO (LIBRARY)

Sacramento, California



Project Overview

In September 2011, Vanir Energy, LLC was awarded a contract to design, construct, finance, own and operate a solar photovoltaic generation facility on the roof of California State University Sacramento Library. Vanir Energy was awarded the project through an RFP process that began in April 2011. CSU Sacramento is home to 28,000 students and has made a commitment to creating a sustainable energy future. In addition to the recently completed solar photovoltaic system, the campus is also home to the California Smart Grid Center, which develops technological solutions to help utility companies respond to peak electrical power demands.

Vanir Energy expects completion of the 275.52 kW DC solar photovoltaic generation facility by October 5, 2012. The solar system is comprised of (1,148) LDK 240P modules that are roof mounted at a 20 degree angle for optimum solar generation. These modules power an Advanced Energy 260 kW PVP inverter. The inverter will convert the solar DC energy into AC power that can be used by CSUS to offset approximately 425,000 kWh on an annual basis.

A rebate provided by SMUD helped enhance the overall project economics and made it possible for Vanir to build the solar system with no capital outlay required from CSUS. Utilizing a 20 year Power Purchase Agreement, CSUS is able to establish energy independence through onsite electricity generation, while creating an energy hedge against future price increases. Vanir Energy is providing the PPA to CSUS at a fixed energy rate with no escalations over the 20 year contract.

Vanir Construction Management, Inc. was the EPC contractor for the project. Vanir's subcontractor for the mechanical installation of the racking and module installation was MBL Energy. Vanir's sub-contractor for all of the electrical installation and system commissioning was Butterfield Electric.



PROJECT INFORMATION

Client:

California State University Sacramento
(Library)
Sacramento, California

Summary:

- **System Size** - 275.52 kW DC
- **PV Modules** - 1,148 LDK 240P
- **Inverters** - Advanced Energy, PVP 260W
- **PPA Terms** - 20 years at a fixed rate
- **General Contractor** - Vanir Construction Management, Inc.
- **Sub-Contractors** - MBL, Butterfield
- **425,000 kWh** generated annually

Vanir Energy LLC
4540 Duckhorn Drive, Ste. 100
Sacramento, CA 95834
P: 916-575-7472
F: 916-419-2407

Contact steve.hunter@vanir.com
for more information