Trinasolar

CASE STUDY

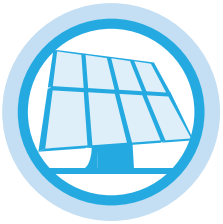
ANTELOPE VALLEY UNION HIGH SCHOOL DISTRICT CALIFORNIA, USA

OVERVIEW:

The Antelope Valley Union High School District took a calculated risk and was rewarded with reduced energy bills since it started using Trina Solar panels.



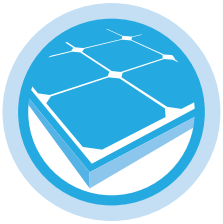
LOCATION
Antelope Valley, California, USA



TYPE
Roof and ground-mounted system



SIZE
9.6 MW



PRODUCT
ALLMAX



 # OF MODULES
40,000



COMPLETION DATE
February 2011

SITUATION

Antelope Valley School District, like most in California, is facing major budget issues and is being forced to cut back programs, layoff teachers and close schools. The Antelope Valley has been particularly hit hard by the housing crisis and in great need of jobs.

BACKGROUND

The executive team and school board of the district were thoughtful, and made quick, informed decisions to build, what is currently the largest school solar project under construction in the nation. The district's deputy superintendent championed the project and made sure that there was no disruption to regular school activities during installation at the multiple sites. They took a calculated risk and are being rewarded with reduced energy bills starting with the commissioning of the first five schools, which came on line in December 2010.

Antelope Valley is ideal for a large solar system with its abundant sunshine. The sun provides the power and the wind helps keep the inverters cool, which keeps it running at the high end of its rated efficiency.

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RESULTS

In total, the systems are expected to meet 80% of the total electricity needs of the schools. PsomasFMG developed the project and sold the PPA to GCL Solar, which in turn brought in Wells Fargo Bank as the tax equity partner.

The 9.6 MW system is the largest school solar system under construction in the United States. Students at all the high schools were active on their Facebook pages and Twitter accounts talking about the solar systems being installed on their campuses. The installation also serves as an important teaching aide the students can observe outside their classroom.

PsomasFMG and GCL established a Raleigh Wright Solar Scholarship Fund for top AVUHSD students, funding $80,000 in scholarships over the next four years.

"I visited your facilities in China, along with my associates, and met with your quality control manager, as well as other top executives of your company. The quality of engineering and manufacturing was exceptional."

- Paul Mikos, Senior Vice President of Psomas FMG

