



COMPLETION DATE

March 2008

LOCATION

Vina, CA

INSTALLATION TYPE

Fixed ground mount

SYSTEM SIZE (DC)

59.4 kW DC

ESTIMATED ANNUAL OUTPUT

84,460 kWh

TERM

15 years with buyout option at fair market value

PROJECT PROFILE

The Abbey at New Clairvaux

Solar Power Partners, Inc. (SPP) provided an efficient financing solution for the Abbey at New Clairvaux in Vina, California. With the SPP solar Power Purchase Agreement (PPA), the Abbey accomplished their goal of installing a solar array on their property without any up-front capital investment. The installation is expected to produce 84,460 kWh annually. The projected annual savings is \$4,400 (18%), meeting 57% of the Abbey's annual power consumption, and is expected to reach \$150,000 in electricity costs over the 15-year term.



DESCRIPTION

The Abbey at New Clairveaux is a Cistercian-Trappist monastery located in Vina, California. The monks at New Clairveaux own and operate the New Clairveaux Vineyard, an organic winery, plus a walnut farm.

The Abbey considered leasing and outright purchase options and determined that a solar Power Purchase Agreement (PPA) was the best financial structure to accommodate their needs. In 2007, Solar Power Partners structured an sPPA that would allow the Abbey to incorporate solar energy without up-front capital cost.

APPROACH

SPP analyzed the Abbey's electrical use and determined that two systems on two specific meters would maximize their savings and rebate allocation. SPP deployed two fixed ground mount systems in two key locations on Abbey and vineyard land, totalling 59.4 kW DC in size.

RESULTS

The Abbey is a great example of an old establishment embracing new energy technology, utilizing the solar PPA.

The installation is expected to produce 84,460 kWh annually. The projected annual savings is \$4,400 (18%), meeting 57% of the Abbey's annual power consumption. Projected savings for the Abbey is expected to reach \$150,000 in electricity costs over the 15-year term.



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