



## COMPLETION DATE

March 2008

## LOCATION

Capella, CA

## INSTALLATION TYPE

Fixed ground mount

## SYSTEM SIZE (DC)

99.2 kW

## ESTIMATED ANNUAL OUTPUT

143,372 kWh

## TERM

15 years with buyout option at fair market value

### PROJECT PROFILE

# Redwood Valley Water District

Solar Power Partners (SPP) developed a 99.2 kW solar energy system for the Redwood Valley Water District using a solar Power Purchase Agreement. Under the terms of the solar PPA, no up-front capital was required from the Water District and SPP operates and maintains the system. The system annually produces enough renewable energy to offset 102 metric tons of carbon dioxide, or the equivalent to emissions from 11,578 gallons of gasoline consumed.



## DESCRIPTION

The Redwood Valley Water District, located in Capella, CA, was an ideal candidate for a solar PPA due to the availability of open area spaces on their property and also according to their utility rate profile. Under the terms of the solar PPA, the Water District purchases power at a set rate. Any future critical upgrades to the system are not incurred by the Water District.

## CHALLENGES

The Redwood Valley Water District searched over three years to find a way to incorporate solar energy without significant up-front capital or the added costs of maintaining and operating the system.

## APPROACH

SPP worked with installation partner Advance Power Inc. to create the system. The system produces an annual estimated 14,3372 kWh, which is equivalent to emissions from 11,578 gallons of gasoline consumed.

## RESULTS

SPP's solar PPA allowed the Redwood Valley Water District to realize renewable energy and a reduced carbon footprint without any up-front or long term costs. The system, under SPP operation and maintenance, continues to perform above expectation.



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100 Shoreline Highway, Suite 210 B, Mill Valley, CA 94941  
415.389.8981  
[www.solarpowerpartners.com](http://www.solarpowerpartners.com)