

Sonoma County Family YMCA SANTA ROSA, CA



KEY FACTS

Location	Santa Rosa, CA
System Size	273 kW
Number of Panels	1,162
Lifetime Electricity Cost Savings	\$250,000
Estimated Annual CO2 Reduction	219,000 lbs

Overview

The Sonoma County Family YMCA was interested in going solar to help the organization reduce its carbon footprint while cutting down on electricity costs. With a limited budget and space constraints, the YMCA reached out to TerraVerde Renewable Partners (TVRP), a company that develops solar energy facilities for local and state governments, school districts, non-profits and commercial real estate owners, to assist with the analysis of a potential solar photovoltaic (PV) investment for the facility.

The YMCA worked with TVRP to identify a solar provider with a streamlined process and affordable financing. SolarCity was selected for its sleek, efficient carport design and cost effective Power Purchase Agreement (PPA) financing option. With a SolarCity PPA, the YMCA is able to go solar for zero down and only pay for the power it produces and uses.

SolarCity was able to put together a carport design that would conserve all the parking spaces. Although a few trees were removed in the process, SolarCity will replace the lost trees with a re-planting plan that shields the parking lot from surrounding neighbors, reduces water use and improves safety. During the hot summer months, members will be able to enjoy the benefits of covered parking spaces and more efficient lighting in the facility.

The 273 kilowatt carport mounted system is expected to save the Sonoma County Family YMCA \$250,000 in electricity costs over the 15 year life of the PPA, with no out of pocket expenses. SolarCity will monitor and maintain the system, allowing the YMCA to focus on members. In its first year of production, the system's 1,162 panels are expected to offset 219,000 pounds of CO2, a leading cause of global climate change.



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