

Solar Case Study: Ives Community Pool

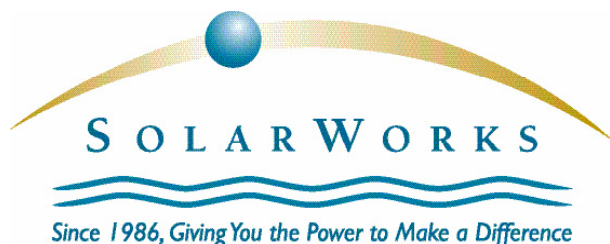


Solar Specifications

- Electricity Now Supplied by Solar:** up to 20%
- System Size (CEC Rating):** 17 kW
- Solar Panels:** 126 panels, nominally rated at 160 watts each
- Inverters:** Seven SMA Sunny Boy 2500-watt, grid-tied
- Mounting System:** UniRac

"This is a win-win solution for the environment and the people of west Sonoma County. We are very pleased to work with the City of Sebastopol and Solar Works to ensure the long-term stability of the pool."

- Alan Siegle, Board President of the Western Sonoma County Swimmers



707-829-8282
SolarWorksCA.com
CA Solar License 878231

The Challenge: In recent years, Ives Pool has struggled financially to stay above water, particularly with rising energy costs for its array of electricity-hungry pumps.

The Solar Solution: Solar Works installed a 17-kilowatt (kW AC) grid-tied photovoltaic (PV) system that covers the south face of the pool house roof. To help pay for the solar system, the Western Sonoma County Swimmers sold sponsorships to families, swim groups, businesses and community organizations. Each donor "bought" one or more panels and was recognized by a permanent plaque at the pool.

The Results: The system produces approximately 25,000 kilowatt hours (kWh AC) each year and offsets up to 20% of the facility's electricity bill. Combined with other energy efficiency measures, the PV system saves Ives Pool more than \$12,000 annually. The system also keeps over 12 tons of CO₂ emissions out of the atmosphere every year, which is the equivalent over nine acres of fir trees storing carbon each year.