

# Golf Course Case Study



## Project Profile

It seemed only natural for a golf course in one of Marin County's most idyllic, natural settings to utilize clean and sustainable solar energy.

**SolarCraft** designed and installed the 25.7 kW solar electric installation at The Meadow Club in Fairfax, CA. The famed Marin County golf course's maintenance operations are now powered by the sun.

The photovoltaic system is mounted on the corrugated, steel roof of the Club's maintenance building and consists of 147 American-made Sharp solar panels. The new system covers 2,057 square feet and will reduce the Club's utility costs by

thousands every year, while reducing the load on the local utility grid. Excess power generated during the day is banked by PG&E for credit towards future use.

The system's solar panels convert sunlight directly into electricity and will generate approximately 37,147 kilowatt hours of energy annually, offsetting the maintenance building's yearly energy consumption by more than 90%. It will spare the air nearly 19 tons of harmful greenhouse gases annually. Over the next 30 years, the air pollution saved will be equivalent to eliminating over 1.3 million miles of driving.



## Specifications

<b>System Size</b>	25.7 kW DC 21.7 kW AC
<b>Location</b>	Fairfax, CA
<b>Solar Panel</b>	(147) Sharp 175 W
<b>Inverter</b>	(4) SMA SB 6000US
<b>Mounting System</b>	ProSolar
<b>Estimated Annual kWh</b>	37,147
<b>Cumulative Cash Positive</b>	5-6 Years

## Customer Profile

The Meadow Club Golf Course sits on the slopes of Mt. Tamalpais in a magical setting. The first course designed in America by Dr. Alister MacKenzie is considered one of California's finest country clubs. It is naturally carved into the canyons and hills, weaving around hundreds of centuries-old oak trees and surrounded by watershed. Opened since 1927, the 18-hole "Meadow" course at the Meadow Club facility features 6,602 yards of golf from the longest tees for a par of 71.

## About SolarCraft

**SolarCraft** is one of the most experienced solar energy contractors in California. For more than 27 years this certified Green Business has been providing Solar Electric, Solar Pool Heating and Solar Hot Water services including consulting, design, installation, financing, monitoring and maintenance. **SolarCraft** is a full-service solar contractor, employing licensed and certified solar installers who are experts in their field. Since 1984 **SolarCraft** has installed more than 4,500 solar energy systems in California with over 1.3 million square feet of solar collector surface area, saving customers more than \$7 million annually and preventing production of more than 28,000 tons of greenhouse gases every year.

