

Shopping Center Case Study



Project Profile

The highly anticipated new Hamilton Marketplace Complex in Novato, built on the former site of Nave Lanes, created even more excitement by powering the shopping center with clean, green, renewable energy. **SolarCraft** designed and installed a 35.4 kilowatt solar energy system at Hamilton Marketplace and now all common areas, certain parking lot areas and walkways are powered by 100% solar energy.

The 94,000-square-foot center now supports 165 high efficiency SunPower 215 solar modules. The new system is expected to generate 53,174 kilowatt hours annually and spans 2,210 square feet. There is potential for each tenant to purchase individual solar energy systems to

power their space with green, clean power.

The SunPower T10 Solar Roof Tile tilts at a 10-degree angle to increase energy capture. They are non-penetrating and lightweight, highly durable and resistant to high wind speeds up to 120 mph.

The solar electric system will enable the Hamilton Marketplace Complex to generate enough clean electricity to spare the air nearly 31 tons of harmful greenhouse gases annually, equivalent to the air filtering of 6.2 acres of trees. Over the next 30 years, the air pollution saved will be comparable to driving over 2.1 million miles. A sound investment, the system will pay for itself in approximately 6 years and will continue to provide free, clean, renewable energy for decades to come.



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Specifications

System Size	35 kW DC 31 kW AC
Location	Novato, CA
Solar Panel	(165) SunPower 215W
Inverter	(5) SunPower 6000m
Mounting System	SunPower T10 Roof Tile
Estimated Annual kWh	53,174
Cumulative Cash Positive	5-6 Years

Customer Profile

Grosvenor USA Limited, a British development and investment group with offices in San Francisco, acquired the property in 2005 and broke ground on the site in 2006. The shopping center includes a 60,000 square foot Safeway, a Safeway gas station, Wells Fargo Bank, Peets Coffee, several restaurants and a host of other retailers. Hamilton Marketplace is the retail centerpiece of redevelopment of the former Hamilton Air Force Base, which was decommissioned in 1974, and used since for residential and commercial purposes.

About SolarCraft

SolarCraft is one of the most experienced solar energy contractors and retailers in California. For more than 24 years the certified "Green Business" has been providing Solar Thermal and Solar Electric services including consulting, design, installation, monitoring and maintenance. **SolarCraft** has installed more than 4,300 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.

*"By implementing renewable energy at Hamilton Marketplace we are significantly reducing our dependence on grid-supplied electricity and minimizing our impact on the environment. Further, we are decreasing our risk exposure to escalating energy costs. Our decision to use **SolarCraft** stemmed from their commitment from day one to educating Grosvenor on the specifics of solar power and how best to successfully harness it to power Hamilton Marketplace. Given their expertise and experience, they made our first, and definitely not last, foray into 'going solar' incredibly easy."*

Whitney Sylvester
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