



## Fact Sheet

The proposed California Valley Solar Ranch is a 250-megawatt (DC) photovoltaic (PV) solar electric system located on privately owned, former ranch land in San Luis Obispo's California Valley. When completed in 2012, the Solar Ranch will generate approximately 600,000 megawatt hours of solar power per year for PG&E, helping California meet its mandate for renewable energy, as well as the state's growing energy needs.

### The Technology

The Solar Ranch is designed by SunPower Corporation, a Silicon-Valley based manufacturer of the most efficient PV solar cells and panels in the world. SunPower's solar tracking systems follow the sun during the day, maximizing the clean, renewable solar power generated by the systems.

SunPower will place its proven, proprietary T20 Tracker solar power systems at the California Valley Solar Ranch.

- T20 Trackers are quiet and anti-reflective.
- They require no fuel, produce no emissions, and require only minimal water for cleaning.
- They are fast to install, minimizing deployment time and impact on local species and vegetation.
- They tolerate uneven terrain, allowing them to conform to existing topography.

### QUICK FACTS

- 250 MW
- 1,966 acres of former ranch land
- High efficiency photovoltaic sun-tracking systems
- Scheduled to begin generating solar power in 2010
- Will generate about 600,000 MWh of power per year, enough energy to power approximately 90,000 homes
- Built by SunPower, manufacturer of the highest efficiency PV solar technology in the world



*Bavaria Solar Park, Germany*



## About SunPower

SunPower Corporation (Nasdaq: SPWRA, SPWRB) designs, manufactures and delivers high-performance solar electric systems worldwide for residential, commercial and utility customers. The company has successfully delivered large-scale solar power systems in the United States, Europe and Asia since 2004, and also works with retail companies, local governments, water agencies and agricultural/winery businesses to provide solar electric systems at their facilities.

SunPower supports a network of more than 400 independent solar installers, including installers in San Luis Obispo County, which provide small commercial and residential SunPower solar power systems for customers concerned about reducing their carbon emissions and their electricity costs. For more information, call 1.800.SUNPOWER, or visit [www.sunpowercorp.com](http://www.sunpowercorp.com).



Badajoz, Spain

*"Few challenges facing America – and the world – are more urgent than combating climate change... Now's the time to confront this challenge once and for all. Delay is no longer an option. Denial is no longer an acceptable response. The stakes are too high. The consequences, too serious."*

**President-elect Barack Obama**  
**November 18, 2008**  
Video Address  
Governor's Global Climate Summit  
Los Angeles, CA

## The Future is Bright

With the development of this world-class solar power array, San Luis Obispo County has an opportunity to play a vital role in meeting our growing power demand in an intelligent, forward-thinking manner, effectively addressing the challenges of climate change and dwindling natural resources, and building awareness of solar power as a vital part of the nation's energy mix in the 21st century.

SunPower is committed to working in concert with area residents, elected officials, agency staff and others to gain approval for the California Valley Solar Ranch. We hope you will contact us with your questions and comments.

**SUNPOWER®**

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