

## SunPower Saves OK Produce \$65,000 Annually with Solar



**OK Produce has always placed great emphasis on its commitment to quality, service and environmental stewardship.**

As part of the company's commitment to protecting the environment, a SunPower PowerGuard® solar electric system was installed at its distribution facilities in Fresno, California. The system makes innovative use of the building's roof to generate clean, renewable on-site electricity. Not only does the system help protect the environment, it reduces the company's operating costs and reduces the facility's electricity needs by 25%.

"Our choice to invest in on-site solar generation is our way of doing our part for the environment," said Brady Matoian of OK Produce. "Many of our agricultural industry colleagues in California's Central Valley are already expressing interest in deploying solar electricity as well. I hope many will follow our lead."

### PROJECT OVERVIEW

Location: Fresno, CA

Completed: December 2002

Installation Type: Commercial Roof

System Size: 238 kW

PV surface area: 35,000 square feet

Number of Panels: 2,150

Products: SunPower PowerGuard®

### BENEFITS

- Annual savings of \$65,000
- Reduces energy load by 25%
- Will reduce CO<sub>2</sub> emissions by 1,800 tons over 30 years, which is the equivalent to planting 500,000 acres of trees or removing 365 cars from Fresno roadways

***“We’re very proud to be deploying one of the largest solar roof systems in the Central Valley.”***

Brady Matoian  
OK Produce

### **INNOVATIVE ROOFTOP SYSTEM OFFERS HIGH ENERGY OUTPUT**

The SunPower PowerGuard solar electric system is a lightweight building-integrated assembly installed over the existing roof. It is made up of 2,150 solar panels and is designed to provide both power for the facility and added insulation and protection for the roof. The solar tiles are electrically connected into 62 strings, each containing 34 photovoltaic modules. Each module has a maximum rated output of 110 watts.



### **OK PRODUCE MAXIMIZES USE OF CENTRAL VALLEY SUNLIGHT**

The SunPower solar electric system at OK Produce reduces the company’s electrical load, especially during peak demand times, when the utility grid is most strained and electricity is most expensive. By making efficient use of abundant sunshine in the California Central Valley, the system produces approximately 25% of the Fresno facility’s total electrical needs, yielding an average annual savings of \$65,000, or \$1.6 million over the life of the system.

### **ENERGY EFFICIENCY SUPPORT ENVIRONMENTAL INITIATIVES**

Not only does the SunPower system reduce OK Produce’s energy consumption, it helps the environment by reducing harmful emissions, such as nitrogen oxide, sulfur dioxide and carbon dioxide—all major contributors to smog, acid rain and global warming. Over the next 30 years, the system will reduce CO<sub>2</sub> emissions by 1,800 tons, which is equivalent to planting 500,000 acres of trees or removing 365 cars from Fresno’s roadways.

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