



# When it came to Solar, KB Home chose Premier Power

## Background

In 2006 California established itself as the nation's major player in the renewable energy market, enacting the largest solar policy ever in the United States.

"I feel it's important that all states, cities and businesses adopt Renewable Portfolio Standards (RPS) to ensure that a certain percentage of their energy comes from renewables. Premier Power believes that we all need to do what we can to become strong environmental stewards." said Dean R. Marks, president of Premier Power.

## Partnership with KB Homes

Ready to meet that new demand, Premier Power formed a partnership with one of America's leading residential homebuilders, KB Home to help bring renewable energy into the mainstream with its latest project in Woodland, CA.

## Project Overview

Project location . . . . . Woodland, CA  
System Completion . . . . . June, 2006  
Solar System Type. . . . . Integrated Solar Roofing Tiles  
System Size . . . . . 3kW-DC/house

## System Configuration

Solar System Tilt . . . . . 22°  
Solar System Orientation . . . . . 180° South

## Performance\*

Estimated annual production . . . . . 4,697 kWh/house

## Environmental benefits, annually†

Greenhouse gases reduction (CO<sub>2</sub>) . . . . . 7,369 lbs/house  
Gasoline not consumed . . . . . 379 gallons/house  
Barrels of oil not consumed . . . . . 7.8 barrels/house  
Cars not driven . . . . . 0.61 cars  
Offset CO<sub>2</sub> emissions from electricity use from homes. . . . . 0.44 homes

Sources:  
\* PW Watts Solar Energy Calculator ( <http://www.pvwatts.org> )  
† U.S. Environmental Protection Agency ( <http://www.epa.gov/cleanenergy/energy-resources/calculator.html> )

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*Barry Grant, KB Home’s Territory President.*

“KB Home is proud to be partnering with Premier Power ... and homebuyers choosing to install these panels will reap the benefits of annual savings,” said Barry Grant, KB Home’s Territory President. “Based on our research, we understand the importance of energy efficiency to our buyers. In fact, in our recent buyer survey, 32% of KB homebuyers feel solar panels are important and would be willing to put forth the investment in their home.”

### **Solar with Style**

Teaming up with Sharp, the top solar cell manufacturer in the world, Premier Power worked with KB Home at its Woodshire community to complement their Energy Star-rated houses with a 3kW Premier Power Integrated Solar Tile System. Perhaps the most noticeable feature of the solar tile system is that they are almost unnoticeable. The integrated solar tiles interlock with the homes’ concrete flat tiles to integrate and fit the exact profile of the roof. This exclusive interlocking technique blends with the style and architecture of the homes.

### **The Future**

Once the domain of counter-culture activists, solar power has quickly become a hot, high-tech commodity because of concerns over high oil prices and global warming. Public demand for environmentally-friendly energy and a long-term solar rebate program were catalysts for change in California.

There’s little doubt that the genie is out of the bottle when it comes to solar energy. The industry, which accounted for \$11.2 billion globally in 2005, is expected to reach \$51 billion by 2015, according to California research firm Clean Edge. It’s a growing market that KB Home has dedicated itself to by signing on with Premier Power.



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