

# Custom Residential House

## OVERVIEW

Eagle Roofing Products secured a private residential re-roofing project with Applied Solar Roofing Tiles through Eagle's customer, Century Roof Tile of Hayward, CA. In offering a new roof to the customer, who needed to replace his existing wood shake roof, Century suggested an integrated solar roof tile.

## CUSTOMER TESTIMONIAL

The homeowner was excited at the prospect of installing a non-polluting electricity source for his home while providing double duty as a new roof system. "Integrating the solar system into the roof during the re-roof process saved money for the homeowner and provided a very clean look. It was an easy choice for my customer," stated Tony Diaz of Century Roof Tile.

The system consists of 99 Applied Solar Roofing Tiles, an inverter, and combiner box all manufactured by Applied Solar. The solar system is rated at 2.9 kw AC and is expected to produce 60 to 70% of the homes total annual electricity needs. The system qualified for the California Energy Commission rebate of \$2.60 per AC watt.

Deets Electric of Castro Valley, CA was the installing electrical C-10 contractor on the job.



Roofing Tile



### Project Info

To introduce an element of multi-functionality to building integrated Photovoltaic, creating systems, which produce energy while meeting required needs and desirable features of urban residential house.

### Full Address

San Jose, CA residence (owner privacy requested)

**Project Start Date** August 25, 2006

**Project End Date** August 27, 2006

### Challenge

Provide solar power to home on a newly installed roof system

### Solution

Integrated solar electric roofing tiles installed during re-roof process

### System Size

2.9 kw AC – 99 Applied Solar Roofing Tiles

### Estimated Monthly Production

430 kwh/month

### Products Used

Applied Solar Roofing Tiles, OE 4000 inverter, OE CB-10 Combiner Box

### Installation Weight

4 lbs. per sq. ft.

### Installation Size

300 sq. ft. solar tiles within new roof system of 2800 sq. ft.

### Roof Type

Eagle-Light concrete tile - Ponderosa brand for re-roof

