



## Residential Project Spotlight The Home of Dr. Ed and Vicki Hauser



### Project Description

The Hauser's ranch home is very unique in that it can be considered a "Zero Energy Home." As the result of a very efficient planning process, it produces as much energy as it consumes, if not more. This was achieved by building a certified Energy Star all-electric home and then sizing a 7.3 kW solar electric array to match the demand.



### System Overview

**Location:** Asheville, NC

**Date Completed:** October, 2007

**Design:** Ben Yoke of Sundance Power Systems, Inc.

**Installation:** Phelps Clarke, Residential Project Manager

### System Components:

- ~ 42 KC 174 watt Kyocera Modules
- ~ 1 6000 watt Sunny Boy Inverter



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The grid-tied array consists of 42 KC 175 watt modules and a 6000W Sunny Boy Inverter. All the electricity generated by the system is metered and NC GreenPower offers an incentive for the Renewable Energy Credits.

While the economic return is important to the Hausers, it is the knowing that their home's carbon footprint balances out to 0 that is of greatest value to them.