



By happy coincidence, the 45-degree angle and direction Eva's garage roof faces was nearly perfect for maximum PV power conversion.

Eva Van Dyke's garage provided an ideal placement for 30 KC200GT Kyocera panels that will produce 6,000 kilowatt hours of power annually, even in the (often) cloudy Pacific Northwest!

Eva Van Dyke Goes Solar with 6kW Residential PV System

KICC'S EVA VAN DYKE IS determined to minimize her carbon footprint. "I'm a nature enthusiast; I drive a Prius; and I'm now the proud owner of a clean, renewable solar energy system!" she stated.

After researching incentives, rebates, grants, tax advantages and arrangements with the local power company for independent generators, Eva contracted Solar Energy Solutions, an authorized Kyocera Solar Dealer, to install the system, which "went live" in May 2007. Since then, she and her husband, Denis, have enjoyed renewable energy from the sun.

Atop her garage roof in Portland, Ore., Eva actually has two photovoltaic (PV) systems. "To maximize power generation, we ordered two complete, 16-panel systems and returned one panel of each. So, we have two, 15-panel systems."

A majority of people only install PV systems up to the size underwritten by the Oregon Energy Trust — 4.5kW — but Eva's 6kW system is as big as space permits!

Andrew Koyaanisqatsi, president of Solar Energy Solutions, has been installing PV systems since 1987. "It was exciting to install a 6kW Kyocera Solar system on a Kyocera employee's roof!" he emphasized.

Eva was pleased with his work. "Andrew helped make the installation, which took about 5 days due to the steep

pitch of our metal roof, a very smooth process. His patience with my endless questions is commendable!" Eva said.

The PV system covers almost 100% of the electrical needs for the Van Dyke's four-bedroom house with full basement and second story. They have plans to install ultra-high-efficiency appliances to further lower the electrical load.

Eva took advantage of both state and federal tax credits and received a grant from the Oregon Energy Trust to help cover the cost of the PV system, which should be paid for within three years. Since Kyocera PV panels have a 25-year warranty, Eva's electrical bill *will be zero for at least two decades, and perhaps beyond!*

"The power generated each day while we're at work goes to the electric utility. At night when we're home and consuming energy, we draw power back from the utility at no cost!"

"More people should take advantage of available grants and incentives to install residential PV systems," Eva notes. "If I can do this in Portland, people in sunnier climates would have even better success!"

For those of you thinking about installing your own residential PV system, Andrew offers a word of encouragement: "The technology has never been less expensive and more efficient — *NOW is the time to go solar!*"



Andrew Koyaanisqatsi of Solar Energy Solutions congratulates Eva Van Dyke as they flip the switch on the PV systems' dual converter panels. "It's SO cool to watch our power meter run backwards," exclaims Eva.

Tips from a Residential Solar "Veteran"

SO YOU WANT TO INSTALL A SOLAR energy system on your home? Follow Eva's checklist:

1. Do your homework. Check out incentives, rebates, grants, tax advantages and arrangements with your local power company for dealing with independent generators. For a comprehensive source of information on state, local, utility, and federal incentives that promote renewable energy, visit <http://www.dsireusa.org>.

2. To find an authorized Kyocera Solar Dealer near you, contact Rob Muhn, KSI Grid-Tie Business Manager, at 858-614-2526 or rmuhn@kyocerasolar.com

3. Weigh the options of which type of system(s) you'd like to install.

4. Check the references of the installation company you choose thoroughly; call every single reference.

4. Sit back and enjoy!