One of the largest single-home solar power systems in the country is installed on this **PENNSYLVANIA** residence.

Photo courtesy of AstroPower, Inc., Newark, DE

Photo by Bill Eager

This typical home in **MASSACHUSETTS** demonstrates a grid-connected photovoltaic system.

Photo by Bob Gibson, UPVG

A photovoltaic system shown during installation saves energy for this **NEW JERSEY** home.

For more information:

Visit the Department of Energy's Energy Efficiency and Renewable Energy website at: **www.eren.doe.gov**

Call or email the Energy Efficiency and Renewable Energy Clearinghouse at:

1.800.363.3732

doe.erec@nciinc.com

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Solar Electricity

For Your Home

Photovoltaics

We call it "solar electricity." It is the best way to convert sunlight directly to electricity and an ideal energy alternative for your home.

Photo courtesy of Altair Energy

This local homebuilder now offers solar electric back-up systems as a standard option for these **COLORADO** homes. This system features a 1.2-kilowatt system that meets about 25% of the household's electric needs and provides back-up power to critical appliances during utility power outages.

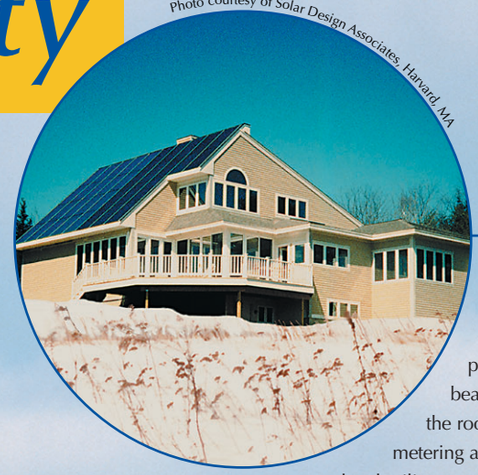
Solar Electricity

The Right Choice for Your Family

"We had looked at solarizing our home for years...Not only did the project turn out to be aesthetically beautiful, it gives us a great feeling to know that the energy we use comes directly from the sun — clean energy!"

— Herman Gyr and Lisa Friedman,
homeowners, California

Photo courtesy of Solar Design Associates, Harvard, MA



This coastal **MAINE** house generates its own electricity from a photovoltaic system beautifully integrated into the rooftop. Through a net-metering arrangement with the local utility company, surplus solar electricity is sent back to the utility grid, effectively spinning the utility meter backward. Space heating and domestic hot water are provided by a solar thermal system.

Photo by Herman Gyr

Photovoltaic roofing materials are featured on this typical **CALIFORNIA** 1950s ranch-style home. These rooftop modules generate 5.4 kilowatts of energy, and with battery backup, the photovoltaic system supplies both day-to-day and emergency electricity. The attractive solar slate material integrates with the design and adds to the beauty of the house. The homeowners also use photovoltaic-generated electricity to recharge the battery of their electric car.

Photo courtesy of Tim Ellison, Energy Conversion Devices, Troy, MI

The 21st century **MARYLAND** townhouse on the right features an integrated photovoltaic standing-seam roof on the entire south-facing roof that looks and performs like the standard metal roof on the other units.

Clean & Safe.

Photovoltaic systems produce clean, non-polluting energy. They are safe for our environment. Solar electricity is the right choice for your family today and the responsible choice for future generations.

Versatile.

Photovoltaics, or PV, can be sized for any need and installed almost anywhere.

Attractive.

Today's technology integrates with the rooftop on your home.

Reliable.

Photovoltaics have no moving parts and are virtually maintenance free. Most manufacturers offer 20- to 25-year warranties on modules.

Easy to Operate.

You will need no special training.