

Florida's Solar Initiatives

Green Trends

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Florida Solar Energy Research and
Education Foundation (FlaSEREF)

Florida Energy Office Strategy

- Moving the Energy Office to the Florida Department of Environmental Protection
- Developing partnerships and programs that foster renewable energy use, facilitate economic development, and protect our clean air and environment.

Florida Energy Office Strategy

- Promote a comprehensive, sustainable and viable program using alternative energy
- Offer both a large potential reward for Florida as well as nationwide replicability

Florida's Solar Initiatives

- Front Porch Sunshine
- SunBuilt
- SunSmart/PV for Schools

Front Porch Sunshine

- Twenty to 25 percent of household energy use in Florida goes toward heating water.
- For Florida's low-income population, water heating can be an even more significant portion of monthly expenses.

Front Porch Sunshine

- Front Porch Sunshine targets 20 underserved communities throughout the state and extends the environmental and economic benefits of solar to Florida's neediest citizens.

Front Porch Sunshine

- Front Porch Sunshine works hand-in-hand with Governor Jeb Bush's groundbreaking community revitalization initiative, Front Porch Florida.
- Program funding (\$500,000) allows for the installation of about 150 solar water heaters - at an average installation cost of \$2800.

Front Porch Sunshine

- There is no cost to the Front Porch Community or the client for these solar water-heating systems.
- Residents receiving the systems are expected to save 50 to 80 percent on water-heating energy expenses.

Partners

Florida Solar Energy Research & Education
Foundation (manages program)

Department of Environmental Protection's
Florida Energy Office

Florida Solar Energy Industries Association

Florida Solar Energy Center

Partners (continued)

Office of Urban Opportunity

Department of Community Affairs

Front Porch Community Councils

Florida Power & Light

Progress Energy

Jacksonville Electric Authority

Gainesville Regional Utility Commission

SunSmart/PV for Schools

- Florida schools are using the state's free supply of sunshine to light classrooms and the imaginations of students.
- The DEP/FEO, together with Florida's electric utilities, is installing solar electric systems in schools throughout the state.

SunSmart/PV for Schools

- PV for Schools combines state funding with private partnerships to provide clean energy and science education.
- Annual funding for the program is \$500,000, which buys-down the cost to install about 25 systems a year.

SunSmart/PV for Schools

- The electric power generated by the school systems is used to power the classrooms, with excess energy returned to the local power grid.
- The solar systems also provide an on-site laboratory for students to learn more about solar power and the benefits of energy conservation.

PV for Schools

- Each installed system includes a monitoring package that collects weather and system performance data, and allows students to view collected data over the Internet @ www.energywhiz.com.
- Students and teachers are also provided with educational materials and workshops that coincide with state science and mathematics educational standards

Partners

Florida Solar Energy Center (manages program), Department of Environmental Protection's Florida Energy Office, local school districts and communities, the state's electric utilities, and the solar energy industry.

SunBuilt Program

- Incentive-based program.
- Provides rebates and vouchers in exchange for pledging to offer solar as either a standard or optional new home feature.
- Works hand-in-hand with energy efficient home building programs.

SunBuilt Program

- With more than 50 builders participating, the program has resulted in the installation of hundreds of solar water heating systems across Florida.
- Program offers builder a new profit potential, makes it easier to comply with the Florida Energy Code and expands their client base by opening up an energy- and resource- efficient market niche.

SunBuilt Program

- Program provides home buyers with long-term utility savings and increases their access to energy efficient mortgages.
- Annual costs to operate this statewide program are \$500,000

Partners

Florida Solar Energy Research & Education Foundation (manages program), Department of Environmental Protection's Florida Energy Office, the Florida Home Builders Association and local HBA chapters, Florida Solar Energy Industries Association, and select electric utilities.

For More Information

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