

Benefits of Solar Energy

- Utility company rebates for up to a maximum of \$20,000 per system (based on system capacity).
- Federal tax credit for up to 30 percent of the residential system cost.
- Save on energy bill throughout the life of the system
- Cleaner source of energy.
- Results in greenhouse gas reductions.

Broward County Example: Residential PV System*

System's Output Power: 3.15 KW	Estimated Annual Solar Energy Use: 4,570 kWh
Powers 60% of the Home	
Up Front Cost	\$26,002
Rebates/Tax Credits	\$14,600
Potential Cost Savings based on DOE Estimates (30% of total system cost saved through reduction in soft costs via Go SOLAR implementation)	\$ 7,801
Net Cost	\$ 3,601
Estimated annual savings on FPL bill	\$ 640
<i>100% payback in 6 years (assuming 30% non-hardware cost reduction)</i>	
Total estimated cost savings over life of system (25 years)	\$12,400
Greenhouse gas reductions for the life of the system (which is the same as the electricity used by 10 homes in a year)	80 Metric Tons

* Data based on actual 2008 Broward County home solar system installation.

We are all working together to offer:

- 🏠 A dramatically simplified electronic permitting process.
- 🏠 Education to solar installers and customers on how to navigate the new electronic permitting system.
- 🏠 Free workshops to educate the community on the benefits of solar energy.
- 🏠 Technical training for code compliance, and building inspectors, and plan reviewers on how to use the electronic system.
- 🏠 Information about FPL interconnection standards and procedures.
- 🏠 Education to the public about legal rights to install rooftop solar systems and to local homeowner associations about Florida's solar rights laws.
- 🏠 Status of market-based incentives and financing options.

Participating Partners (Go SOLAR Team)

Coconut Creek
 Dania Beach
 Davie
 Deerfield Beach
 Fort Lauderdale
 Hallandale Beach
 Hillsboro Beach
 Lauderdale-by-the-Sea
 Miramar
 North Lauderdale
 Oakland Park
 Pompano Beach
 Sunrise
 Tamarac
 Unincorporated Broward County
 Florida Power & Light
 School Board of Broward County
 Broward League of Cities
 Broward County Board of Rules and Appeals
 State Office of Energy
 Florida Solar Energy Center

Making Solar Energy Easy!



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This public document was promulgated at a cost of \$269.00 or \$0.135 per copy, to inform the public about the Go SOLAR Broward Rooftop Solar Challenge.

broward.org/gogreen/gosolar

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Broward Rooftop Solar Challenge



Rooftop Photovoltaic Solar Made Easy!

To learn more about the
Go SOLAR
 Broward Rooftop Solar Challenge

Visit broward.org/gogreen/gosolar

Email: gosolar@broward.org

Phone: 954-519-1260



What is the Go SOLAR Broward Rooftop Solar Challenge?

The objective of this U.S. Department of Energy (DOE) Rooftop Solar Challenge is to achieve improvements in market conditions for rooftop photovoltaics (PV) across the United States, with an emphasis on streamlined and standardized permitting and interconnection processes. This nationwide effort engages local and state governments along with utilities, installers, non-governmental organizations, and others to make solar energy more accessible and affordable.

The DOE recognizes the importance of tackling non-hardware costs (customer acquisition, permitting, installation, inspection, and interconnection) which currently make up approximately 30 - 40 percent of the total installed cost of rooftop PV systems. According to the DOE, specific market barriers such as restrictive interconnection standards, and local land use policies limit PV market potential even in the face of significantly reduced system costs. As with non-hardware costs, addressing these market barriers requires careful coordination with many parties, in particular, state and local governments. The objective of the Go SOLAR Broward Rooftop Solar Challenge is to make the process of going solar simpler, faster and more cost effective for residents and businesses.



Streamlined Solar

Solar companies estimate that improvements to permitting processes, for example, could reduce PV system costs by up to \$1/Watt, or approximately 15 - 20 percent of current residential system costs. A streamlined permitting process enables solar companies to more efficiently manage their labor, material and cash flows, and customer interactions, resulting in significant cost reductions and lower prices for consumers.

The Go SOLAR Team is implementing process improvements in four action areas:

Permitting and Interconnection — Develop and make available best practices for streamlining and standardizing permitting and interconnection processes.

Financing — Investigate potential financing options for the installation of rooftop PV systems in residential and small commercial structures, identify the benefits and challenges of each option and provide information to stakeholders.

Planning and Zoning — Identify restrictive zoning ordinances and develop best practices regarding more favorable provisions.

Net Metering — The Go SOLAR Team and Florida Power & Light are working in collaboration to educate Broward County residents and businesses regarding net metering standards and interconnection process requirements.

The DOE Rooftop Solar Challenge ends February 2013. Awardees demonstrating significant progress across all four action areas may be eligible to receive additional funding to help our entire region Go SOLAR.

Benefits of Online Permitting System

The concept behind the online permitting system goes beyond typical expedited permitting. Rather than requiring applicants to prepare plans and then wait for review, the on-demand system will be loaded with pre-approved, pre-engineered solar PV mounting systems and electrical schematics allowing the issuance of a permit within minutes. For a custom solar PV solution, the regular and expedited permitting processes will remain available. Some of the benefits of the online permitting system include:

Saves Time: Apply online 24/7.

Saves Money: Select pre-approved engineered designs.

Standard Permit Fee: Pay one standard fee online.

It's Easy: Obtain a permit electronically and in minutes.

Join the Go SOLAR Team!

For more information and to join the Go SOLAR Broward Rooftop Solar Challenge team, visit broward.org/gogreen/gosolar or email gosolar@broward.org.

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