

# PV Supply Chain and Cross-Cutting Technologies

Solar Energy Technologies Program

October 2008

## Upcoming Funding Opportunity

In support of the overall goals of the U.S. Department of Energy (DOE) Solar Energy Technologies Program (SETP), the Photovoltaic (PV) Supply Chain and Cross-Cutting Technologies project identifies and accelerates the development of unique products or processes with the potential to have a large impact on the industry, or a segment of the industry.

### What:

Ideal projects represent:

- Innovative evolutionary improvements that can be supplied across the PV industry at high volumes and lower costs than conventional technology
- Disruptive technologies to dramatically reduce costs and drive future growth.

Applications are sought in three general focus areas. Possible items are listed below as examples only, and innovative thinking is encouraged in every aspect of the PV industry.

#### Focus Area 1: PV Module

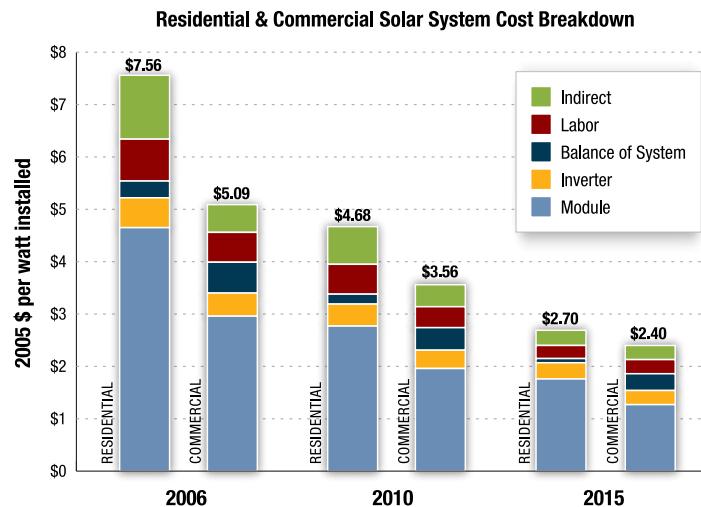
- Protective barriers
- Contacts
- High performance
- Thermal management
- Adhesives.

#### Focus Area 2: Non-Module PV Systems

- Inverter components
- Trackers
- Building integration
- Intelligent controls
- Diagnostic tools.

#### Focus Area 3: PV Manufacturing Processes and Metrologies

- Concentrator PV alignment
- Material flux measurement
- Fast optical characterization
- Material recycling
- Cell crack detection
- Wafering, cell fabrication.



The goal of this funding opportunity is to further cost reductions of PV systems. This graph provides projected cost reductions, based on the current Technology Pathway Partnerships (TPPs). Visit [www.solar.energy.gov](http://www.solar.energy.gov) for more information on TPPs.

### Primary Application Criteria:

- Total impact of the advancement
- Uniqueness or innovativeness of approach
- Likelihood of success.

### Who:

All organizations are eligible to apply. See the Funding Opportunity Announcement (FOA) for details.

### When:

The FOA is planned to be open by November 2008.

### Where:

Visit the Solar Program's Web site for additional information at [www.solar.energy.gov](http://www.solar.energy.gov) (financial opportunities section).

A Strong Energy Portfolio for a Strong America. Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

Printed with a renewable-source ink on paper containing at least 50% wastepaper, including 10% postconsumer waste.

For more information contact:  
EERE Information Center  
1-877-EERE-INF (1-877-337-3463)  
[www.eere.energy.gov](http://www.eere.energy.gov)  
Prepared by the  
National Renewable Energy Laboratory (NREL)  
DOE/GO-102008-2674   October 2008

Operated for the  
U.S. Department of Energy,  
Office of Energy Efficiency and  
Renewable Energy  
by the Alliance for Sustainable Energy, LLC



**U.S. Department of Energy**  
**Energy Efficiency and Renewable Energy**

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable