



**Solar America Board for Codes and Standards**

# **Solar ABCs Overview**

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Southwest Technology Development Institute

New Mexico State University

[www.solarabcs.org](http://www.solarabcs.org)

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# Solar ABCs

Solar ABCs is a collaborative effort among experts to provide coordinated recommendations to codes and standards making bodies for existing and new solar technologies.

Acknowledgement:

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# Solar ABCs Steering Committee



[www.solarabcs.org](http://www.solarabcs.org)



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# Solar ABCs Partners

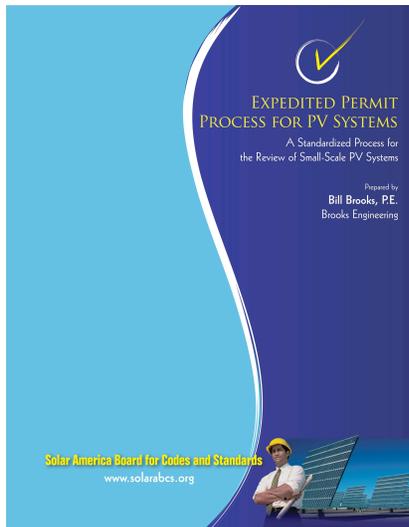
- U.S. Department of Energy: Kevin Lynn, Michael Cliggett, Holly Thomas
- New Mexico State University: Andrew Rosenthal, John Wiles, Gabriella Cisneros
- Arizona State University: Govindasamy Tamizh-Mani
- Nat. Ren. Energy Laboratory: Tom Basso, Michael Coddington
- PowerMark Corporation: Alex Mikonowicz, John Wohlgemuth
- Brooks Engineering: Bill Brooks
- Underwriters Laboratories: Tim Zgonena, Chris Flueckiger, Larry Emrie
- Interstate Ren. Energy Council: Jane Weissman, Jason Keyes, Mike Sheehan,
- Sunset Technologies Inc.: Howard Barikmo
- Sandia Nat. Laboratories: Ward Bower, Jennifer Granata
- Florida Solar Energy Center: Dave Click, Gobind Atmaram, Stephen Barkaszi
- North Carolina Solar Center: Tommy Cleveland
- Sherwood Associates: Larry Sherwood
- BEW Engineering: Jeff Newmiller, Greg Ball

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# Solar ABCs Advisory Committee

- **Chair:** Donald Warfield, BP Solar
- Justin Baca, Solar Energy Industries Association
- John Berdner, SolarEdge Technologies
- Jon Bertolino, SMUD
- Suzanne Borek, NJ Department of Community Affairs
- Alexander Bradley, DuPont
- Neal Burdick, City of Tampa
- Marv Dargatz, SolarEdge Technologies
- Adam Detrick, SunPower Corp.
- Ryan Gaston, Dow Chemical
- Garen Grigoryan, PG&E
- Smita Gupta, Itron
- Sue Kateley, California Solar Energy Industries Association
- Colin Murchie, Solar City
- Wilson Rickerson, Rickerson Energy Strategies
- Jacques Roeth, NYSERDA
- Mike Taylor, Solar Electric Power Association
- Maura Yates, Arizona Public Service

# Study Reports: Completed in Past Year



- Expedited Permit Process for PV Systems
- Potential Impacts of Advanced Metering Infrastructure on Renewable Energy Policy
- Wind Load Calculations for PV Arrays
- Flammability Testing of Standard Roofing Products in the Presence of Stand-Off Mounted PV Modules (interim report)
- Updated Recommendations for FERC Small Generator Interconnection Procedures Screens
- Sustainable, Multi-Segment Market Design for Distributed Solar Photovoltaics (soon)

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# Study Reports: Under Development

- PV Module Tolerance
- Procedure for System Energy Rating
- Protocol for Accelerated Aging Testing
- PV Module Frame Grounding
- Guidebook to California State Fire Marshall Guidelines
- Potential of AMI Data to Reduce the Technical Issues Related to Net Metering

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# Standard and Code Development

- *National Electrical Code*®
- I-Codes
- International Electrotechnical Commission (IEC) Standards
- National Standards (IEEE, ASTM, SEMI)
- Underwriters Laboratories (UL) Standards

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# Implementation

- Study Reports Communication Plans
- Training
- Fire Safety

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# Gap Analysis

- Prioritize the Future Work of Solar ABCs
  - And Others Working on Codes and Standards Issues
- 2010 Gap Analysis Process

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# Opportunities for Involvement

- Stakeholder Webinar Meetings
- Subscribe to the Quarterly Newsletter
- Comment on Draft Reports & Other Documents
- Participate in Developing Recommendations
- Participate with Code & Standard Development Organizations
- Co-Fund a Solar ABCs Study

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# For More Information:

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