Solar America Board for Codes and Standards

Andrew L. Rosenthal New Mexico State University Principal Investigator, Solar ABCs

Solar ABCs Stakeholder Meeting July 11, 2013

Solar America Board for Codes and Standards

Larry Sherwood

Project Administrator, Solar ABCs

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Solar ABCs

The basic operating tenets of the Solar ABCs that are embedded in all of its work:

- Commitment to <u>consensus</u>
- Inclusion of all stakeholder groups
- Technology and policy <u>neutral</u>

Solar ABCs is NOT a standard or code development organization.

Acknowledgement

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Solar ABCs Partner Organizations and Steering Committee Members

- U.S. Department of Energy:
- New Mexico State University:
- Arizona State University:
- Nat. Ren. Energy Laboratory:
- PowerMark Corporation:
- Brooks Engineering:
- Underwriters Laboratories:
- Interstate Ren. Energy Council:
- Sunset Technologies Inc.:
- Sandia Nat. Laboratories:
- Florida Solar Energy Center:
- North Carolina Solar Center:
- Sherwood Associates:
- DNV/BEW Engineering:

Kevin Lynn, Holly Thomas Andrew Rosenthal, John Wiles, Gabriella Cisneros Govindasamy Tamizh-Mani Michael Coddington, John Wohlgemuth Alex Mikonowicz Bill Brooks Tim Zgonena, Chris Flueckiger, Larry Emrie Michael Sheehan, Jane Weissman Howard Barikmo Jay Johnson, Jennifer Granata Dave Click, Bob Reedy, Stephen Barkaszi Tommy Cleveland Larry Sherwood Greg Ball, Jeff Newmiller



Solar ABCs Advisory Committee Members

- Chair: Donald B. Warfield *
- Ezra Auerbach, DragonSun Consulting
- John Berdner, SolarEdge Technologies, Inc.
- Jon Bertolino, SMUD
- Alex Bradley, Dupont
- Neal Burdick, City of Tampa
- Joannie Chin, NIST
- Christine Covington, SEIA
- Marv Dargatz *, SolarEdge
- Wolfgang Fritz, Schletter Inc.
- Ryan Gaston, Dow Chemical Co.
- Garen Grigoryan, Pacific Gas & Electric
- Smita Gupta, Itron, Inc.

- Lee Kraemer, First Solar
- Jean Posbic, MEMC
- Jacques Roeth, NYSERDA
- Patrick Saxton, CEC
- Mike Taylor, Solar Electric Power Association
- Maura Yates, Arizona Public Service
- * Representatives from Advisory Committee on Solar ABCs Steering Committee

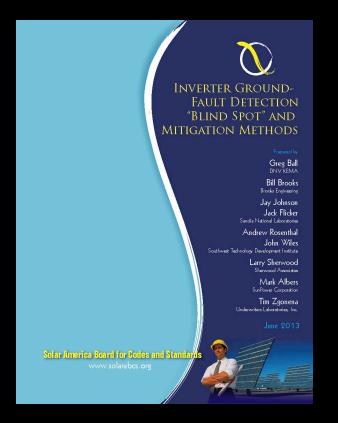
Solar ABCs List of Major Research Activities

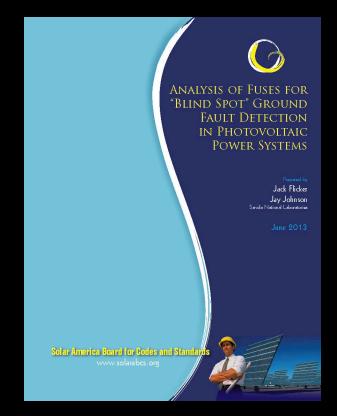
- Gap Analysis identified the following research topics for implementation by Solar ABCs:
 - Rooftop PV fire research testing and rating
 - Standardization of module power ratings
 - Accelerated life testing
 - PV Grounding issues
 - Updates to FERC interconnection screens
 - Ground-Fault Protection Improvements to Prevent Fires





Ground-Fault Blind Spot Detection



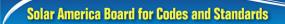






Solar ABCs Record of Accomplishments

- 2,000 stakeholders engaged (30% growth in last year)
- 30 published reports
- 15 on-site stakeholder meetings
- 18 telephone and webinar stakeholder meetings
- 2 industry-wide, major research projects completed
- 2 full gap analyses conducted plus one gap update
- Web site with full Solar ABCs' publications plus summary information of other pertinent standard and code development
- Solar ABCs members individually participate in development of critical codes and standards:
 - IEC, UL, NFPA, ICC, IEEE



Solar ABCs Future

- The Solar ABCs Cooperative Agreement with DOE ends in July 2013
- Potential for continuation through Solar ABCs "Lite"
 - Convene Stakeholders
 - Conduct Gap Analyses
 - Communications

Solar America Board for Codes and Standards



For more information

www.solarabcs.org



