Arc Fault Detection and Mitigation Webinar
Sponsored by the Solar ABCs
February 8, 2010; 2pm EST (1pm CST, noon MST, 11am PST)

12:00	Sign on, Introductions, and Logistics	Larry Sherwood	Solar ABCs
12:05	Solar ABCs Goals	Larry Sherwood	Solar ABCs
12:10	Overview of Arc-faults/Issues in PV Systems	Jay Johnson	Sandia National Laboratories
12:20	Safety and Standards Activities	Tim Zgonena	Underwriters Laboratories
12:30	Industry Activities, Testing, and Modeling	Jason Strauch	Sandia National Laboratories
12:45	Industry Feedback, Questions and Answers	All	
1:00	Adjourn		

QUESTIONS:

1. Do you believe arc-fault protection is necessary with today's new PV installations? If so, for which type of installations? (Residential, Commercial, Ground-mount, Roof mount, etc)

2. With arc-fault requirements now in the 2011 National Electrical Code and with UL Std.1699B for listing arc-fault detectors nearly ready to be released, what target date for commercial products to detect and mitigate series and parallel arc faults is needed?

3. With the wide variety of PV system designs what is the best detection location in PV systems for universal arc-fault detection and mitigation? How should variations of a universal location (e.g. inverter) be handled?

4. What is the best methodology to implement arc detection and mitigation in the extremely wide range of PV power levels being installed? (Please recall that one PV module is capable of starting a fire)

5. With the new DOE $1/W target for PV systems by 2017, how should the costs of arc-fault detection be factored into PV system costs?

6. What should be the goals for reliability and detection ranges of arc-fault detectors?

7. What percentage of the cost of PV systems can be attributed to safety via arc-fault detection and mitigation?

8. What organization should be responsible for determining the reliability and performance (not safety listing) of arc-fault protection?

9. Do you believe arc-fault detection nuisance trips due to RF-noise, switching or lightning will be an issue?

10. How should the arc-fault and ground-fault protection for systems on dwellings be expected to interact, and how will the owner determine locations of problems?

11. Once an arc-fault has been detected, what do you expect to see in the way of methods or equipment to facilitate system investigation to determine where the arc-fault is located?

12. If a system has experienced an arc-fault detection should it be shut down in its entirety or may faulted components or strings be isolated from main circuits?