

**SOLAR ENERGY ACTION COMMITTEE**  
**List of Top 11 Challenges – July 2015**

Date: July 2015	Groups:
Format:	AHJs
	<p><b>Members:</b>  Behzad Eghtesady  Hadi Tabatabaee  Mostafa Kashe  Patrick Healy  Pete Jackson  Steve Jones</p>
<p>1.Issue (description of issue):</p> <p>2.Background (detailed background on the issue):</p> <p>3.Current Status (Impact on public,private,customers and communities):</p> <p>4.Key Considerations (recommendation to address the issue):</p> <p>5.Recommendation and benefits (What are the benefits to be derived by implementing the recommendation):</p> <p>6.Applicable to who (Who would benefit by implementing the recommendation):</p>	<p>1. Lack of uniformity in code and fire setbacks interpretation by AHJs. (Pat)</p> <p>2. The lack of knowledge, experience and training on the part of the designer, installers and inspectors appears to be a major issue. (Pete &amp; Steve)</p> <p>3. Inconsistencies of AHJs in the way rules and inspection are applied on larger industrial projects.(Pat) <b>(Shared with Manufacturer Group-Rob)</b></p> <p>4. Delays by California in adopting new and better codes. The code is currently two cycles behind. Consider a standalone California solar code that is all encompassing. (Pat)</p>

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Date: July 2015	Groups:
Format:	Installers
	<p><b>Members:</b>  Jon Clark  Frank Kneller  Jim Cahill  Ron Mulick  Micah Fromlin</p>
<p>1.Issue (description of issue):</p> <p>2.Background (detailed background on the issue):</p> <p>3.Current Status (Impact on public,private,customers and communities):</p> <p>4.Key Considerations (recommendation to address the issue):</p> <p>5.Recommendation and benefits (What are the benefits to be derived by implementing the recommendation):</p> <p>6.Applicable to who (Who would benefit by implementing the recommendation):</p>	<p>1. Implementation of AB 2188 including single inspection. (Jon)</p> <p>2. Meter Spots: a) Allow contractor to perform MSP upgrades in accordance with ESR requirements at the contractor's own risk. b) Provide open source data for all meter spots completed so that contractors could effectively target sales/marketing efforts. This would also reduce overall meter spots for work that never gets performed. (Jon) <b><i>(Shared with Utility Group - Tiffany)</i></b></p>

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Date: July 2015	Groups:
Format:	Manufacturers
	<p><b>Members:</b>            Craig Carni            David Rowland            Frank Berring            Jeff Spies            Mark Baldassari            Robert Vinje            Steve Reed</p>
<p>1.Issue (description of issue):</p> <p>2.Background (detailed background on the issue):</p> <p>3.Current Status (Impact on public,private,customers and communities):</p> <p>4.Key Considerations (recommendation to address the issue):</p> <p>5.Recommendation and benefits (What are the benefits to be derived by implementing the recommendation):</p> <p>6.Applicable to who (Who would benefit by implementing the recommendation):</p>	<p>1. UL 2703 implementation/full adoption. There are concerns of AHJs that require addressing regarding implementation. There is a lack of understanding of UL 2703 requirements. AHJs are requesting that products go through additional certification after they have met UL 2703 requirements. (Jeff)</p> <p>2. Inconsistencies of AHJs in the way rules and inspection are applied on larger industrial projects. (Rob) <b>(Shared with AHJ Group - Pat)</b></p>

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<b>Date: July 2015</b>	<b>Groups:</b>
<b>Format:</b>	<b>Test Laboratories</b>
	<b>Members:</b> John Taecker Sunny Rai
<p>1.Issue (description of issue):</p> <p>2.Background (detailed background on the issue):</p> <p>3.Current Status (Impact on public,private,customers and communities):</p> <p>4.Key Considerations (recommendation to address the issue):</p> <p>5.Recommendation and benefits (What are the benefits to be derived by implementing the recommendation):</p> <p>6.Applicable to who (Who would benefit by implementing the recommendation):</p>	<p>(John)</p> <p>1. The ready acceptance by jurisdictions of third-party certifications of photovoltaic equipment in accordance with Outlines of Investigation. Appropriate and applicable requirements need to be consistently applied for third-party certifications of photovoltaic equipment.</p> <p>Background – Photovoltaic equipment is expected to perform for extended period of time in providing power safely to the building. Many factors need to be taken into consideration, such as fire, electric shock, and mechanical hazards. Specific requirements applicable to this equipment are necessary in order to achieve the level of safety expected by the model installation codes.</p> <p>2. Appropriate and applicable requirements are not always applied consistently for certification and field evaluation.</p> <p>Background – Photovoltaic equipment is evolving faster than the formal development of consensus standards. Standardized certification requirements, used in all third party certifications, are necessary in the interim between the development of these products and the finalization of a consensus standard. These interim requirements take the form of “Outlines of Investigation”. The development of a consensus standard can take a considerable amount of time because of the rules of due process.</p>

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<b>Date: July 2015</b>	<b>Groups:</b>
<b>Format:</b>	<b>Utilities</b>
	<b>Members:</b> Tiffany Maycumber
<p>1.Issue (description of issue):</p> <p>2.Background (detailed background on the issue):</p> <p>3.Current Status (Impact on public,private,customers and communities):</p> <p>4.Key Considerations (recommendation to address the issue):</p> <p>5.Recommendation and benefits (What are the benefits to be derived by implementing the recommendation):</p> <p>6.Applicable to who (Who would benefit by implementing the recommendation):</p>	<p>Tiffany</p> <p>1. There appears to be a misconception of the need/requests of panel upgrades by contractors/installers and property owners.<b><i>(Installer Group – Jon &amp; Frank would like to add here)</i></b></p> <p>2. Meter Spots: a) Allow contractor to perform MSP upgrades in accordance with ESR requirements at the contractor's own risk. b) Provide open source data for all meter spots completed so that contractors could effectively target sales/marketing efforts. This would also reduce overall meter spots for work that never gets performed. <b><i>(Shared with Installer Group - Jon)</i></b></p> <p>3. Contractors' lack of understanding of processes, procedures and requirements of utilities.</p>