

**EUCG  
2018**

**SOLAR TRACK SCHEDULE**



## MONDAY | SEPTEMBER 10

7:00 am – 8:00 am	<b>Breakfast</b>	<i>Aspen Foyer</i>
8:00 am – 9:30 am	<b>General Session, Membership Meeting</b>	<i>Aspen Ballroom</i>
9:30 am – 10:00 am	<b>Break</b>	<i>Aspen Foyer</i>
10:00 am – 11:30 am	<b>SC1: Welcome &amp; Introductions</b> <i>Ruben Soto, Southern California Edison, Solar Committee Chair</i> This session will give new members the opportunity to introduce themselves and their companies, and for all members to share any business updates and “headline news” from their companies.	<i>Mt. Harvard</i>
11:30 am – 12:00 pm	<b>SC2: Safety Case Study</b> <i>Charles Lawless, Southern California Edison</i> <i>Tyler Medel, Pacific Gas &amp; Electric</i> Root Cause Investigation of a safety incident and how a breakdown in procedure can lead to equipment damage or personnel injury.	<i>Mt. Harvard</i>
12:00 pm – 1:00 pm	<b>Lunch</b>	<i>Aspen Foyer</i>
1:00 pm – 2:00 pm	<b>SC3: Solar O&amp;M Staffing Models</b> <i>Cody Tellgren, Duke Energy Renewables</i> Review of organizational structure and industry best practices. During the Spring workshop it was apparent that we all had different O&M staffing models. This is an in depth review of various models used to staff a Solar Organization.	<i>Mt. Harvard</i>
2:00 pm – 2:45 pm	<b>SC4: Evaluating Battery and Energy Storage for Solar</b> <i>Jeremy Garcia, Arizona Public Service</i> APS will share how they evaluate potential battery and energy storage technology for solar assets. Discuss alternatives of advanced technologies to present day and how it impacts the power industry.	<i>Mt. Harvard</i>
2:45 pm – 3:15 pm	<b>Break</b>	<i>Aspen Foyer</i>
3:15 pm – 4:15 pm	<b>SC5: Unforeseen Issues for Long Term Implementation</b> <i>Tyler Medel, Pacific Gas &amp; Electric</i> Idea sharing and open discussion about unforeseen challenges with equipment, sites and market challenges.	<i>Mt. Harvard</i>
5:15 pm – 9:30 pm	<b>Monday Evening Networking Dinner Event</b> <i>Buses will operate on a continuous loop between the hotel and Coors Field from 5:00 pm-9:30 pm.</i> Join us at Coors Field as the Colorado Rockies take on the Arizona Diamondbacks! EUCG will host a pre-game reception featuring classic ballpark fare and plenty of opportunity to mix and mingle with fellow electric utility representatives. Once the first pitch is thrown, we will move into the stands and enjoy the game! Tickets will be provided.	

## TUESDAY | SEPTEMBER 11

8:00 am – 9:00 am	<b>SC6: Performance Monitoring/Metrics</b> <b>Cody Tellgren</b> , <i>Duke Energy Renewables</i> Duke control center monitoring tools/best practices and current Duke performance engineering metrics.	<i>Mt. Harvard</i>
9:00 am – 9:45 am	<b>SC7: Ground Fault Detection Strategies</b> <b>Tyler Medel</b> , <i>Pacific Gas &amp; Electric</i> A presentation of methods used in locating ground faults in the PV array.	<i>Mt. Harvard</i>
9:45 am – 10:15 am	<b>Break</b>	<i>Aspen Foyer</i>
10:15 am – 11:15 am	<b>SC8: Original Equipment Manufacture Inverter Strategies</b> <b>Jeremy Garcia</b> , <i>Arizona Public Service</i> <b>Charles Lawless</b> , <i>Southern California Edison</i> <b>Tyler Medel</b> , <i>Pacific Gas &amp; Electric</i> <b>Cody Tellgren</b> , <i>Duke Energy Renewables</i> <b>Ernie Tom</b> , <i>Salt River Project</i> Standing agenda item to discuss lessons learned around any challenges, issues and/or hardships, and solutions as it relates to inverters.	<i>Mt. Harvard</i>
11:15 am – 12:00 pm	<b>SC9: Disconnect/Isolation of Combiner Boxes Safety Procedures</b> <b>Tyler Medel</b> , <i>Pacific Gas &amp; Electric</i> A brief presentation and discussion of best practices when isolating or working in a combiner box.	<i>Mt. Harvard</i>
12:00 pm – 1:00 pm	<b>Lunch</b>	<i>Aspen Foyer</i>
1:00 pm – 2:00 pm	<b>SC10: Drone Technology</b> <b>Cody Tellgren</b> , <i>Duke Energy Renewables</i> Regulatory overview, thermal inspection process, and data analysis. A presentation and review of an ever changing landscape and introduction of new technologies. Duke will provide insights as to how they leverage drones to perform O&M and how they used the data to make O&M decisions.	<i>Mt. Harvard</i>
2:00 pm – 2:45 pm	<b>SC11: SCADA Control and Curtailment</b> <b>Cody Tellgren</b> , <i>Duke Energy Renewables</i> Present a system overview and control capabilities to curtail a unit or units. With energy pricing being as dynamic in today's market, what are the strategies that utilities are implementing when energy prices become negative, and what is the cost to benefit in investing in a system to provide curtailment capabilities.	<i>Mt. Harvard</i>
2:45 pm – 3:15 pm	<b>Break</b>	<i>Aspen Foyer</i>

3:15 pm – 4:00 pm **SC12: Industry Financial and Operational Performance Trends** *Mt. Harvard*

**Ruben Soto**, *Southern California Edison, Solar Committee Chair*  
**Ernie Tom**, *Salt River Project*

This session will provide results from our utility participant 2015-2017 financial and operational data inputs and identify top performing plants respectively. The analysis will draw conclusions to the direction of our industry and surface future concerns to be on the lookout.

## WEDNESDAY | SEPTEMBER 12

8:00 am – 9:00 am **SC13: Spring Workshop Agenda Planning** *Mt. Harvard*

9:00 am – 9:45 am **SC14: Monthly and Annual Cadences for Solar PV Committee** *Mt. Harvard*

9:45 am – 10:15 am **Break & Check-Out** *Aspen Foyer*

11:00 am – 12:00 pm **Boxed Lunches Available** *Aspen Foyer*

