

EUCG 2023 Spring Workshop

April 24-26, 2023

Solar Committee Schedule

Monday, April 24, 2023

Time Blocks	Session Title
8:00-9:00 CT	Breakfast
Time Block 1 7:00 – 8:30 PT 8:00 – 9:30 MT 9:00 – 10:30 CT 10:00 – 11:30 ET	EUCG is honored that the XXXXXXXX will be welcoming the membership and kicking off our General Session. Opening Remarks & Presentation: Jesse Medlock , Oncor, <i>EUCG President</i> Keynote Speaker & Presentation:
10:30-11:00 CT	Break
Time Block 2 9:00-9:45 PT 10:00-10:45 MT 11:00-11:45 CT 12:00-12:45 ET	(CLOSED SESSION) SOLAR COMMITTEE BUSINESS MEETING Welcome & Introductions Jeremy Garcia (APS) / Scott Trombley (Duke) – Solar Committee <i>This session will include introductions of attending utilities and a discussion of their expectations for the week. Other items included in this session will be: Updates on Solar Committee business and laying the groundwork for future Solar Sessions.</i> <ul style="list-style-type: none"> • Welcome and Introductions • Budget Review • Employee Development and Mentoring Opportunities • Success Stories
Time Block 3 10:00-11:00 PT 11:00-12:00 MT 12:00-1:00 CT 1:00-2:00 ET	(CLOSED SESSION) <u>Hurricane/Weather Events</u> – Rick Cumbie (Duke) <i>This will be a panel discussion to review severe weather events and response, with a special look at those taking place in the Southern United States during our past Fall meeting. The panel will feature representatives from Duke, TECO and APS.</i>
1:00-2:00 CT	Lunch
Time Block 4 12:00 – 1:00 PT 1:00 – 2:00 MT 2:00 – 3:00 CT 3:00 – 4:00 ET	(CLOSED SESSION) <u>SCADA</u> – Anthony Morabito (DTE Energy) <i>The session will focus on SCADA systems, both in use currently and those currently under review. Topics will include GE’s SCADA for solar, the “Single Pane of glass” concept, and integration of various inverter manufacturers.</i>

3:00-3:30 CT	Break
<p>Time Block 5 1:30 – 2:30 PT 2:30 – 3:30 MT 3:30 – 4:30 CT 4:30 – 5:30 ET</p>	<p>(CLOSED SESSION)</p> <p><u>Interconnections</u> - Jeremy Garcia (APS) & Doug Detterman (Consumers Energy - remote)</p> <p><i>This session will discuss the different types of interconnection required for new solar assets. Additional topics will include how the timing of interconnect agreements/studies can impact the schedule for projects, material changes to interconnect applications mid-development and queue positioning.</i></p>
6:30-9:00 CT	Networking Event

Time Blocks	Session Title
8:00-9:00 CT	<i>Breakfast</i>
Time Block 7 7:00 – 7:30 PT 8:00 – 8:30 MT 9:00 – 9:30 CT 10:00 – 10:30 ET	<u>Utility Performance Metrics</u> – Ruben Soto (SCE), Dan Clark (APS), Duke Distribution Connected Excerpt: Discussion Each presenter will present a PowerPoint on what they currently measure and explain why.
Time Block 9 7:30 – 8:00 PT 8:30 – 9:00 MT 9:30 – 10:00 CT 10:30 – 11:00 ET	<u>Safety Case Study</u> – Scott Trombley (Duke), Jeremy Garcia (APS), Ruben Soto? (SCE) Excerpt: Presentation Safety case study based on experiences or an actual event. Please share lessons learned.
Time Block 8 8:00 – 8:30 PT 9:00 – 9:30 MT 10:00 – 10:30 CT 11:00 – 11:30 ET	<u>Maintenance Strategy Insource vs Outsource</u> – Scott Trombley (Duke), Jeremy Garcia (APS) Excerpt: Discussion All presenters will present a PowerPoint on their workforce mix, what were your considerations to insource or outsource and explain why.
Time Block 9 8:30 - 9:00 PT 9:30 - 10:00 MT 10:30 - 11:00 CT 11:30 - 12:00 ET	<u>Operating Control System</u> – TBD (SCE), TBD (APS), TBD (PG&E) Excerpt: Presentation What SCADA system does your Operations use, what software and network does your utilities use and why, do you have a centralized or decentralized control room?
11:00-11:30 CT	<i>Break</i>
Time Block 9 9:30 - 10:30 PT 10:30 - 11:30 MT 11:30 - 12:30 CT 12:30 - 1:30 ET	<u>Battery Applications (mission of utility scale batteries)</u> – All Attendees Excerpt: Discussion All presenters will present a PowerPoint on their Utility’s battery application and explain why.
Time Block 9 10:30-11:00 PT 11:30-12:00 MT 12:30-1:00 CT 1:30-2:00 ET	<u>Battery Topics/Roundtable</u> – All Attendees <i>Time will be taken to discuss the Weeks activities: Were expectations met? What additional information might be of help? What new topics have come up as a result of these discussions?</i>
1:00-2:00 CT	<i>Lunch</i>
Time Block 10 12:00 – 1:00 PT 1:00 – 2:00 MT 2:00 – 3:00 CT 3:00 – 4:00 ET	(CLOSED SESSION) <u>Spare Parts/Support for existing equipment</u> – Scott Trombley (Duke) This session will be a broad discussion and update on spare parts management and strategy. Topics will include how spare parts inventories are determined, the appropriate amount of parts needed for spares, those deemed “critical” vs. others, level of criticality (safety stock) and procurement vs. vendor managed approaches.
3:00-3:30 CT	<i>Break</i>

<p>Time Block 11 1:30-2:30 PT 2:30-3:30 MT 3:30-4:30 CT 4:30-5:30 ET</p>	<p>(CLOSED SESSION)</p> <p><u>Types of Staffing</u> – Anthony Morabito (DTE Energy)</p> <p><i>This discussion will cover the various best practices for headcount (technicians and staffing) for various site geography and scale, the skills & job classifications of our workforces, and the concept of shared resources (including inter-departmental and contractor support driven strategies). We'll also cover the job candidate landscape, how it's evolving and training needs.</i></p>
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Wednesday, April 26, 2023

Time Blocks	Session Title
8:00-9:00 CT	<i>Breakfast</i>
<p>Time Block 12 7:00-8:00 PT 8:00-9:00 MT 9:00-10:00 CT 10:00-11:00 ET</p>	<p>(CLOSED SESSION)</p> <p><u>New Project Integration/Start-up Team</u> – Billy Sabin (TVA), Scott Trombley (Duke)</p> <p><i>This session will highlight the journey from construction to operations, the documentation required for operational readiness and checklists used for different phases of development/commissioning/operations.</i></p>
<p>Time Block 13 8:00-9:00 PT 9:00-10:00 MT 10:00-11:00 CT 11:00-12:00 ET</p>	<p>(CLOSED SESSION)</p> <p><u>Site Remote Operations</u> – Hank Koppel (Duke)</p> <p><i>This session will focus on the concept of the Renewable Operations Center. What are the capabilities, how the remote desktop is utilized, issuing curtailment commands and access to PLC controls.</i></p>
11:00-11:30 CT	<i>Break</i>
<p>Time Block 14 9:30-10:30 PT 10:30-11:30 MT 11:30-12:30 CT 12:30-1:30 ET</p>	<p>(CLOSED SESSION)</p> <p><u>Seasonal Readiness</u> - David Scott (Duke)</p> <p><i>This session will include the consideration of timing of maintenance activities for seasonal readiness, types of maintenance activities and the scope of work involved. We may also include discussion of the NERC Cold Weather Preparedness (EOP-11) program.</i></p>
<p>Time Block 15 10:30-12:00 PT 11:30-1:00 MT 12:30-2:00 CT 1:30-3:00 ET</p>	<p>(CLOSED SESSION)</p> <p>Solar Topics/Roundtable Jeremy (APS)/Scott (Duke) – Solar Committee</p> <p><i>Time will be taken to discuss the Weeks activities: Were expectations met? What additional information might be of help? What new topics have come up as a result of these discussions?</i></p> <p>Fall 2023 Agenda Build <i>Planning ahead for the Fall Workshop. Topic discussions and ideas will be gathered.</i></p>

2:00 CT	<i>Workshop Adjourns</i>
Time Block 16 11:00 – 1:00 PT 12:00 – 2:00 MT 1:00 – 3:00 CT 2:00 – 4:00 ET	EUCG Board Meeting