

**EUCG 2022 Fall Workshop
September 25-28, 2022
The Peabody Hotel
Memphis, Tennessee**

Monday, September 26, 2022

Time Blocks	Session Title
8:00 – 9:00 CT	<i>Breakfast</i>
Time Block 1 9:00 – 10:30 CT	EUCG General Session
10:30 – 11:00 CT	<i>Break</i>
Time Block 2 11:00-12:00 CT	<p>Introductions/Opening comments - Scott Trombley/Jeremy Garcia facilitating</p> <p>Safety Case study – Roundtable All <i>Safety case study - each utility will prepare a 1 -2 slide 5-10 minute presentation on a safety issue that you would like to share. Break out across multiple days at the start of each days sessions.</i></p>
Time Block 3 12:00 -1:00 CT	<p>Inverter Roundtable -ALL Discussion related to inverter technologies and the items listed below. - Jeremy Garcia Facilitating</p> <ul style="list-style-type: none"> • Inverter support issues • Inverter Uptime guarantees • Inverter Extended Warranties
1:00 – 2:00 CT	<i>Lunch</i>
Time Block 4 2:00 – 3:00 CT	<p>PV Module Session - Roundtable discussion focused on PV modules. Billy Sabin TVA facilitating</p> <ul style="list-style-type: none"> • Justification for repowering or PV module change out. • Module degradation <ul style="list-style-type: none"> a. Are you monitoring this? b. If so, how? • PV Module recycling
3:00 – 3:30 CT	<i>Break</i>

<p>Time Block 5</p> <p>3:30 – 4:30 CT</p>	<p>DC Arc Flash Disucssion - Andrew Goebel facilitating.</p> <ul style="list-style-type: none"> • Discussion points Site Arc Flash ratings • PPE concerns • EPRI 1500 V DC study updates?
<p>Time Block 6a</p> <p>4:30 – 5:30 CT</p>	<p>Floating Solar Presentation by - Wesley Sherwood - TECO</p> <ul style="list-style-type: none"> • TECO has piloted a facility that uses floating solar - presentation on the technology, advantages, and challenges.
<p>Time Block 6b</p> <p>5:30 – 6:00 CT</p>	<p>NERC Low BES limitations - Group Discussion - Jeremy Garcia - APS Facilitating</p> <ol style="list-style-type: none"> a. Vendor needs to connect with solar SCADA, inverters or network b. How are you working through this issue c. CIP related discussion
<p>6:30 -9:00 CT</p>	<p style="text-align: center;">Monday Evening Networking Event</p>

Tuesday, September 27, 2022

Time Blocks	Session Title
<p>8:00 – 9:00 CT</p>	<p style="text-align: center;">Breakfast</p>
<p>Time Block 7</p> <p>9:00 – 10:00 CT</p>	<p>Safety Case study – Roundtable All - Scott Trombley facilitating</p> <p><i>Safety case study - each utility will prepare a 1 -2 slide 5-10 minute presentation on a safety issue that you would like to share. Break out acroos multiple days at the start of each days sessions.</i></p>

<p>Time Block 8 10:00 -11:00 CT</p>	<p>2021 Solar committee Data Review - Christine Messer.</p>
<p>11:00 – 11:30 CT</p>	<p>Break</p>
<p>Time Block 9a 11:30 – 12:15 CT</p>	<p>PV Module Diode Failures</p> <ul style="list-style-type: none"> • Report out on the diode failures that have occurred at Duke Florida solar sites - Rick Cumbie/Mark Wagner Presenting - Duke
<p>Time Block 9b 12:15 – 1:00 CT</p>	<p>Communications issues between the site and main IT hub - David Scott Duke Energy Facilitating</p> <ol style="list-style-type: none"> a. Are you detecting these issues? b. Immediate detection c. Lagging detection <ol style="list-style-type: none"> a. How frequent are they? b. Resolution?
<p>1:00 – 2:00 CT</p>	<p>Lunch</p>
<p>Time Block 10 2:00 – 2:45 CT</p>	<p>Warranty discussion - Roundtable Discussion</p> <ul style="list-style-type: none"> • EPC Wrap warranty length - reduction in warranty time and impacts. • PV Module warranties - Length, Issues • Other warranties?
<p>Time Block 11 2:45 – 3:30 CT</p>	<p>Spare parts Management Strategies - Roundtable Discussion</p> <ul style="list-style-type: none"> • Stocking levels? • Location - Central vs site level • Emergent parts sharing opprotunities
<p>3:30 – 4:00 CT</p>	<p>Break</p>
<p>Time Block 12 4:00 - 5:00 CT</p>	<p>Seasonal readiness - Roundtable Discussion</p> <ul style="list-style-type: none"> • PM's related to seasonal weather concerns • Seasonal operation concerns by region

<p>Time Block 13</p> <p>5:00 – 6:00 CT</p>	<p>NERC and or CIP requirements - Jeremy Garcia Facilitating</p> <ul style="list-style-type: none"> • Discussion on any NERC or CIP related requirements for solar installations • Issues related to OEM support related to NERC or CIP requirements.
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Wednesday, September 28, 2022

Time Blocks	Session Title
8:00 – 9:00 CT	<i>Breakfast</i>
<p>Time Block 12</p> <p>9:00 – 10:00 CT</p>	<p>Energy Storage development. - Discussion - Scott Trombley Facilitating</p> <ul style="list-style-type: none"> • Updates on BESS development, Technologies being considered • Discuss EUCG Storage group development
<p>Time Block 13</p> <p>10:00 – 11:00 CT</p>	<p>SCADA Upgrades - Roundtable discussion</p> <ul style="list-style-type: none"> • SCADA upgrades - standardization. • Challenges with upgrading SCADA system
11:00 – 11:30 CT	<i>Break</i>
<p>Time Block 14</p> <p>11:30 -1:00 CT</p>	<ul style="list-style-type: none"> • Fall Session Planning - Jeremy Garcia Facilitating
1:00 CT	<i>Workshop Adjourns</i>
<p>Time Block 15</p> <p>1:30 – 4:00 CT</p>	<p>EUCG Board Meeting</p> <p>Tentative Bulk Energy Storage Group Meeting Joe Martucci/Scott Trombley</p>