

EUCG 2024 Spring Workshop
April 14 - 17, 2024
St. Petersburg, FL
T&D Committee Schedule

Monday, April 15th, 2024

Time Blocks	Session Title
8:00 - 9:00am ET	<i>Breakfast</i>
6:00 – 7:30am PT 7:00 – 8:30am MT 8:00 – 9:30am CT 9:00 – 10:30am ET	<p>EUCG is honored that Peter Hoeflich, Principal Engineer-Generation and Transmission Strategy at Duke Energy will be welcoming the membership and kicking off our General Session.</p> <p>General Session Keynote: <i>We are delighted to have Peter Hoeflich deliver a Keynote Address at the workshop’s opening General Session. Mr. Hoeflich will discuss low-carbon generation and storage technologies. He will provide insights on the Debarry Florida hydrogen demonstration which is the first system in the U.S. capable of producing, storing, and combusting 100% green hydrogen in a combustion turbine.</i></p>
10:30-11:00am ET	<i>Morning Break</i>
Time Block 1 8:00 - 8:45am PT 9:00 - 9:45am MT 10:00 - 10:45am CT 11:00 - 11:45am ET	<p>(CLOSED SESSION)</p> <p>T&D COMMITTEE BUSINESS MEETING Welcome & Introductions Jeannine Beran (Exelon) – Chair T&D Committee</p> <p><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 T&D Committee business and laying the groundwork for future T&D Sessions.</i></p> <ul style="list-style-type: none"> • <i>Welcome and Introductions</i> • <i>Survey Results</i> • <i>Employee Development and Mentoring Opportunities</i>
Time Block 2 9:00 - 10:00am PT 10:00 - 11:00am MT 11:00 - 12:00pm CT 12:00 - 1:00pm ET	<p>(CLOSED SESSION)</p> <p><u>TD2 – Operations:</u> <u>Data Driven Tools Impacting Field Productivity (Hours Per Unit, Vehicle Telematics & Anatomy of an Outage)</u></p> <p>Ron Carstens: Director of Utility Performance Assessment, Exelon Adam St Pierre: Sr. Manager, Exelon</p> <p><i>Synopsis:</i></p> <ul style="list-style-type: none"> • <i>Using analytics to support best practice opportunities with field forces</i> <ul style="list-style-type: none"> ○ <i>Focus Areas to drive productivity improvements</i> ○ <i>Crew size impact to efficiency</i> ○ <i>Removing barriers to “get the morning right”</i> ○ <i>Analytics to support crew/dispatcher impact to the lifecycle of an outage</i> <p><i>Please encourage your Subject Matter Experts' participation to promote a robust discussion!</i></p>

1:00 - 2:00pm ET	Lunch
<p>Time Block 3 11:00 – 12:00pm PT 12:00 – 1:00pm MT 1:00 – 2:00pm CT 2:00 – 3:00pm ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD3 – Operations & Safety – Root Cause Analysis Program</u></p> <p>Eric Easton: Vice President, Grid Transformation and Investment, CenterPoint Energy Shariana Cordero: CAP Specialist Sr (OpEx), Entergy Chris Chaney: Safety Manager, PSE&G</p> <p>Synopsis:</p> <ul style="list-style-type: none"> • <i>Governance – where does this live in the organization?</i> • <i>Who defines need for formal investigations?</i> • <i>What is the reporting process?</i> • <i>How are improvements communicated?</i> <p><i>Please encourage your Subject Matter Experts' participation to promote a robust discussion!</i></p>
3:00 – 3:30pm ET	Afternoon Break
<p>Time Block 4 12:30 – 1:30pm PT 1:30 – 2:30pm MT 2:30 – 3:30pm CT 3:30 – 4:30pm ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD4 – Operations – Quantification Methods for System Resilience</u></p> <p>Paul Mathew: Director Strategic Coordination and Analysis, CenterPoint Energy</p> <p>Synopsis:</p> <p><i>As our electric infrastructure and operations has been increasingly impacted by low frequency high impact events such as microbursts, tornados, hurricanes, winter storms, etc. the need to have a higher resilience to withstand such events is also becoming increasingly prudent. While the concept of resilience is not new, and many utilities have been investing more to improve system resilience there is a lack of consistent definition and an industry accepted metric for resilience. CenterPoint began researching and developing a methodology for determining resilience metrics that can be utilized to benchmark and compare system resilience performances. Even in the initial stages, the team reached several conclusions highlighting the complexity of defining a unified metric and the need to apply normalizations for several factors including type of event, scale of event, available personnel resources, etc. Currently the team is working on comparing two methodologies: one utilizing the concept of modulus of resilience in material science, and another based on rate of restoration and rebuild. In addition, CenterPoint is working on developing several analytical tools that will help determine resilience of assets at a granular level using LIDAR, satellite imagery, weather data and asset information. These tools will help quantify risk and drive future asset investment and optimization strategies.</i></p> <p><i>Please encourage your Subject Matter Experts' participation to promote a robust discussion!</i></p>

<p>Time Block 5 1:30 – 2:30pm PT 2:30 – 3:30pm MT 3:30 – 4:30pm CT 4:30 – 5:30pm ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD5 – Community of Practice - Data Literacy and Maturity</u></p> <p>Brian Taubeneck: Benchmarking Program Manager, Seattle City & Light</p> <p><i>Synopsis:</i></p> <p><i>Intro to Organizational Community Programs (ERGs, SIGs, CoPs, CoEs)</i></p> <ul style="list-style-type: none"> • <i>Evolving Scope of the CoP and Embracing Flexibility</i> • <i>Group Formation and Sponsorship</i> • <i>Meeting Structure and Planning</i> • <i>Success Stories: Small Wins to Organizational Alignment</i> • <i>Looking Forward: Moving from Baseline to Filling Gaps</i>
<p>6:30 - 9:30pm ET</p>	<p style="text-align: center;">Networking Event</p>

Tuesday, April 16th, 2024

Time Blocks	Session Title
<p>8:00-9:00am ET</p>	<p style="text-align: center;">Breakfast</p>
<p>Time Block 6 6:00 – 7:00am PT 7:00 – 8:00am MT 8:00 – 9:00am CT 9:00 – 10:00am ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD6 – Innovation – Innovation Journey Panel</u></p> <p>Michael Haydel: Director, Innovation Portfolio and Partnership Mgmt., Entergy Heather Czernicki: Manager of Project Execution – Innovation and R&D, Exelon Lou Guerrero: Director, Center for Excellence and Innovation, Oncor</p> <p><i>Synopsis:</i></p> <ul style="list-style-type: none"> • <i>How did your program start?</i> • <i>Where does it live in your organization?</i> • <i>Resources allocation for projects</i> • <i>How do you submit ideas for consideration?</i> • <i>Ideation to commercialization process overview</i> • <i>Funding – Regulated or Unregulated</i> • <i>Focus areas</i> • <i>Future Projects</i>
<p>Time Block 7 7:00 – 8:00am PT 8:00 – 9:00am MT 9:00 – 10:00am CT 10:00 – 11:00am ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD7 – Innovation – Resiliency and Reliability Related Customer Solutions</u></p> <p>Adam Preveau: Manager, Innovation Partnership, Entergy</p> <p><i>Synopsis:</i></p> <p><i>Severe weather is impacting our region with increased strength and frequency, at the same time that our customers electric needs are increasing. At Entergy, we are focused on making customers</i></p>

	<p>successful as we seek to identify how we can accelerate proposed investments while balancing affordability. Building a resilient grid is what we do. We've steadily made significant investments in upgrading and strengthening our power generation, transmission and distribution systems for years. Our dedication to making our customers successful extends beyond our continued investments in the grid. Through customer research and outreach, we are improving our understanding of our customer's reliability and resiliency needs and delivering on unique solutions for residential, commercial and industrial customer segments. This session will explore how Entergy is innovating in this space</p>
11:00 – 11:30am ET	Morning Break
<p>Time Block 8 8:30 – 9:30 am PT 9:30 – 10:30 am MT 10:30 – 11:30 am CT 11:30 – 12:30 pm ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD8 – Innovation – TransBanker Use in Training Centers for Field Employees</u> Chris Reilly: Training Supervisor, Atlantic City Electric, Exelon Nicolas Taylor: Training Supervisor, Atlantic City Electric, Exelon</p> <p><i>Synopsis:</i> <i>TransBanker is a trademarked innovation designed to improve the process of training field workers, giving them the flexibility to conveniently train in a safe low-voltage environment. The TransBanker units were acquired from Northwest Lineman College and installed at PHI facilities to enhance procedures, improve safety and provide field workers with hands-on experience and knowledge through training. These units allow trainees to get their hands on real transformers without the associated risks from performing operation in the training yard performed in the past, putting a greater emphasis on solidifying safety measures among employees involved.</i></p> <p><i>Efficiency is another core component that was significantly increased; what originally was a two-day extensive training operation can now be successfully completed in approximately 90 minutes.</i></p> <p><i>The newly adopted system also opened the door to several other key advantages, including:</i></p> <ul style="list-style-type: none"> • <i>Weather constraints are no longer impacting training schedules</i> • <i>Trainees are given more flexibility to directly perform hands-on work</i> • <i>More time is allocated to perform pertinent operations outside of training</i> • <i>Any mistakes made during training will not impact customers or cause outages</i> • <i>Line workers can put their skills to the test during trial runs with no risk to customers</i>
<p>Time Block 9 9:30 – 10:00am PT 10:30 – 11:00am MT 11:30 – 12:00pm CT 12:30 – 1:00pm ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD9 – Innovation Session Feedback</u></p> <p><i>Open Discussion on Topics and Future Planning</i></p>
1:00 - 2:00pm ET	Lunch
<p>Time Block 10 11:00 – 12:00pm PT 12:00 – 1:00pm MT 1:00 – 2:00pm CT 2:00 – 3:00pm ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD10 – Innovation – Tennessee Valley Authority Innovation Programs</u></p> <p>James Linder: Technology Scouting, TVA</p> <p><i>Synopsis:</i></p>

	<p><i>TVA will discuss the relationship with Energy Labs and the products and services that are currently in use or being piloted. Some these products and technologies to be discussed are:</i></p> <ul style="list-style-type: none"> • <i>3D Cameras being used for survey work</i> • <i>Robotic Drones that attach to 3 phase lines to inspect conductors</i> • <i>Substation Thermal Imaging Tools and it's uses</i>
3:00 – 3:30pm ET	Afternoon Break
<p>Time Block 11 12:30 – 1:15 PT 1:30 – 2:15pm MT 2:30 – 3:15pm CT 3:30 – 4:15pm ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD11 – Innovation - Economic Impact and Affordability</u></p> <p>Kristine Kent: Principal Integration & Bundling, PGE</p> <p><i>Synopsis:</i></p> <p><i>PG&E embarked on a journey from strategy to execution to reduce work backlogs, bundle work, lower overall O&M related costs and improve customer satisfaction related to planned outages. Where feasible, bundling work minimizes impact on our customers from planned outages. Execution of PG&E’s Electric Distribution Work Bundling Program required identification and implementation of work bundling methodologies, data enhancements, and geospatial visualization technical tools such as ArcGIS prototype functions. As a result, PG&E has experienced both resource and unit cost efficiencies, and reduced the number of different times customers experience planned outages.</i></p>
<p>Time Block 12 1:15 - 2:15pm PT 2:15 - 3:15pm MT 3:15 - 4:15pm CT 4:15 - 5:15pm ET</p>	<p>(CLOSED SESSION)</p> <p><u>TD12 – Innovation - Affordability Related Customer Solutions</u></p> <p>Michael Haydel: Director, Innovation Portfolio and Partnership Mgmt., Entergy</p> <p><i>Synopsis:</i></p> <p><i>Our focus on affordability is rooted in the economic reality of the communities we serve, which include some of highest poverty regions in the country. Approximately 25% of Entergy's 3 million customers live below the poverty line. We have an obligation and a business imperative to help find lasting solutions for our customers in need. Entergy works hard to connect potentially eligible customers to internal and external programs to ensure they receive the maximum possible benefit. By diving deep into our understanding of the challenges many of our customers face, we have identified unique solutions that improve the assistance our customers receive. This session will explore how Entergy is innovating in this space.</i></p>

Wednesday, April 17th, 2024

Time Blocks	Session Title
8:00 - 9:00 am ET	Breakfast
Time Block 13 6:00 - 7:00am PT 7:00 - 8:00am MT 8:00 - 9:00am CT 9:00 - 10:00am ET	<p>(CLOSED SESSION) – <u>TD13 – Safety – Leading Indicators/Maturing Scorecard Metrics</u></p> <p>Nina Gattuso: Director, Safety and Human Performance, Exelon</p> <p><i>Synopsis:</i> <i>Safety performance has traditionally been measured using OSHA Recordable Rate. Exelon has changed the conversation of safety to focus on serious injury and fatality prevention.</i></p>
Time Block 14 7:00 - 8:00am PT 8:00 - 9:00am MT 9:00 - 10:00am CT 10:00 - 11:00am ET	<p>(CLOSED SESSION)</p> <p><u>TD14 – Safety – Wildfire Mitigation</u></p> <p>Andrea Brown: Manager Wildfire Data Science, PGE</p> <p><i>Synopsis:</i> <i>Understanding Electric Risk Management & Analytics and using Electric System Predictive Analytics to support wildfire mitigation strategies.</i></p>
11:00 – 11:30am ET	Break
Time Block 15 8:30 – 10:00am PT 9:30 – 11:00am MT 10:30 – 12:00pm CT 11:30 – 1:00pm ET	<p><u>TD15 - T&D COMMITTEE BUSINESS</u></p> <p>Jeannine Beran: Chair T&D Committee, Exelon</p> <p><i>Time will be taken to discuss the week’s activities: Were expectations met? What additional information might be of help? What new topics have come up because of these discussions?</i></p> <p>Fall 2024 Agenda Build <i>Planning for the Fall Workshop. Topic discussions and ideas will be gathered.</i></p>
1pm ET	Workshop Adjourns

The BESS (Battery Energy Storage System) Working Group meeting will be held from 9a to 5p. We invite you to join in and listen for the remainder of the day.