November 11-12, 2025

CEATI

Transmission & Distribution Conference

Electrification and Enabling a Carbon Free Future

Event Overview

This conference will bring together over 700 utility professionals including leaders focused on utility best practices, tools, and technologies to improve grid resiliency and reliability while meeting electrification demands; attendees will gain a better understanding of opportunities and tools available to aid in the adaptation to regulatory requirements for enabling a carbon free future

The event will feature presentations on the following themes:

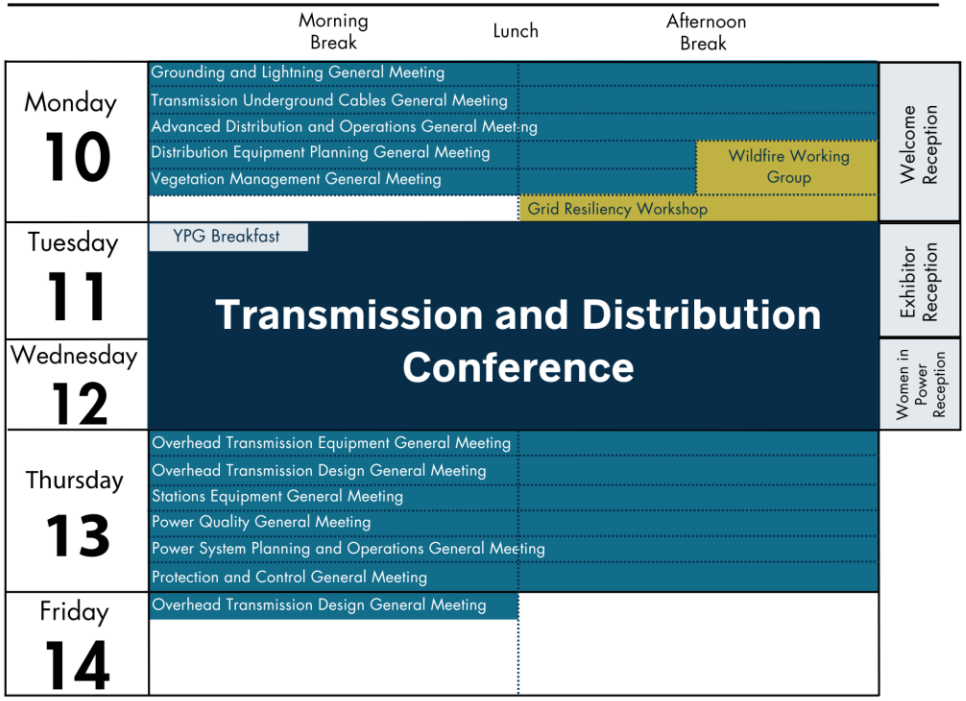
- Distribution Systems of the Future
- Resilient and Sustainable Transmission Systems
- Innovations in Substations and Protection Systems
- Integrated Vegetation Management and T&D Systems
- Future-Ready Grid Planning and Operations
- Grounding & Lightning

Supported and attended by over 700 utility professionals, including:

- Transmission & Distribution Line Management Operations
- Transmission & Distribution Line Design and Planners
- Forestry and Vegetation Management
- Grounding, Protection, and Control Systems
- Stations Management
- Power Quality
- Engineering Leadership
- And more from our world-class list of utility member organizations
  - (**Click to View Membership Map**)

Week at a Glance: November 10-14, 2025

Orlando, FL



To register and for more information, visit https://site.pheedloop.com/event/TransmissionandDistribution2025/home/

Supporting CEATI Member Utilities

Alberta Electricity System Operator
American Electric Power
American Transmission Company
Arizona Public Service Company
ATCO Electric
Austin Energy
Bear Valley Electric Service
California Department of Water Resources
Central Hudson Gas and Electric
Chelan County Public Utility District
Con Edison
Constellation Energy Corporation
Duke Energy
Efficiency Manitoba
Electricity Supply Board
ELES
Elexicon Energy
ELMAR
ENMAX Power Corporation
EnWin Utilities
EPCOR
ERCOT (Electric Reliability Council of Texas)
Eugene Water and Electric Board
Evergy
Eversource Energy
Exelon
FirstEnergy Corporation
Florida Power and Light
FortisAlberta
FortisBC
Ghana Grid Company
Hetch Hetchy Water and Power SFPUC
Hydro One Networks
Hydro Ottawa
Idaho Power Company
Invenergy
Israel Electric Corporation
Landsvirkjun
London Hydro
Long Island Power Authority
LS Power
Manitoba Hydro
Maritime Electric
Metropolitan Water District of Southern California
Modesto Irrigation District
Nashville Electric
Natural Resources Canada
New Brunswick Power
New York Power Authority
Newfoundland and Labrador Hydro
Newfoundland Power
NextEra Energy
Nova Scotia Power
Ontario Power Generation
Pacific Gas and Electric Company
PacifiCorp
PNM Resources
Powerlink Queensland
PPL Electric Corporation
Public Service Electric and Gas Company
PUC Services
Red Electrica de Espana
Salt River Project
Saskatoon Light & Power
Seattle City Light
Southern California Edison
Southern Company
Tacoma Power
TEPCO
Toronto Hydro-Electric System
TransAlta Corporation
TransGrid
Transpower New Zealand
Wataynikaneyap Power PM

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CEATI Transmission & Distribution Conference – Tuesday, November 11

7:00-8:30 **Breakfast** – *Exhibit Hall*
Young Professionals Networking Breakfast

8:30-9:45 **Welcome Plenary – all tracks**

8:30 **Opening Remarks** – *Megan Owens, CEATI*

8:45 **Keynote Presentation** – *TBD*

9:45-10:30 **Coffee Break** – *Exhibit Hall*

	Session A1: Resilient and Sustainable Transmission Systems	Session B1: Distribution Systems of the Future	Session C1: Future-Ready Grid Planning and Operations	Session D1: Grounding & Lightning	Session E1: Integrated Vegetation Management and T&D Systems
	Session Chair: Asim Haldar, CEATI	***See the latest advancements in action with live technology demonstrations***			
10:30	**33128: A Framework for Vulnerability Assessment of Line Structures and Line Exposures to Extreme Events** – *Kallol Sett, University at Buffalo*	**AI Agents: How AI Is Quietly Coming to Run the Utility Back Office** – *Mike Hejmej, Senpilot* 	**US1k Weather Model: Accurate Forecasts along Transmission Lines and Renewables** – *Chris Hyde, Meteomatics*	**Adaptation to the New Normal: A look at changing grounding practices for utilities** *Bryan Beske, Safearth*	**Satellite Remote Sensing Hoes Mainstream: Experience from Deployment Across the AEP Transmission Network** – *Nick Ferguson, LiveEO & Kevin Patton, American Electric Power*
11:15	**33139: Design Implications for Lattice Towers and Pole Structures Regarding Foundation Serviceability Limits** – *Dr. Han-Ping Hong, Western University*	**Unlocking the Power of Behind-the-Meter Intelligence: A Collaborative Approach** - *Matt Sveinbjornson, ATCO, Maria Kretzing, Bidgely, Kevin Fennell, Landis+Gyr* 	**AI-Driven Probabilistic Weather Forecasting for Future-Ready Grid Planning and Operations** – *Laura Fieselman, Salient Predictions and Southeastern Utility (TBC)*	**IEEE 837: Standard For Qualifying Permanent Connections Used in Substation Grounding** – *David Shibilia, nVent*	**Validating Your Network in Rural, Urban, or Heavily Treed Areas** – *Mike Parlow, Forsite & Stephen Ellis, Fugro*

12:00-1:30 **Networking Lunch** – *Exhibit Hall*

	Session A2: Resilient and Sustainable Transmission Systems	Session B2: Distribution Systems of the Future	Session C2: Future-Ready Grid Planning and Operations	Session D2: Advanced Methods in Substation Grounding	Session E2: Integrated Vegetation Management and T&D Systems
	See the latest advancements in action with live technology demonstrations	*Session Chair: Cristina Terek, London Hydro*			
1:30	**Remote Operations with Drone Solutions for Inspection and Response** – *Christina Park, Corey Hitchcock, Skydio* 	**What do you get when you cross a Mammoth with a Marmot: ATCO's Innovative Response to Rebuilding with Resilience following the 2024 Jasper NP Wildfire** – *Matt Sveinbjornson & Trevor Tkach, ATCO Electric*	**Future-Proofing the Grid: Scalable Integration of Renewable Energy & Storage for Decarbonized Power Systems** – *Gabriel Vera, PSC Consulting*	**Carrying Out a Grounding Site Survey and Grounding Performance Testing at a Rural HV Substation - A Case Study** – *Ken Atkinson, ESB Networks*	**A Utility Perspective on Driving Technological and Process Change in Vegetation Management** – *Matthew Johnson, Teledyne & Hydro One*
2:15	*TBC – RS*	**Harnessing Data: ENMAX Power's Transformative Journey in Electrification and Carbon-Free Utility Operations** - *Tara Holizki, ENMAX Power Corporation*	**A Systematic Approach to Validating Wind Farm Protection Settings Against Utility Criteria with Different Reference Points and Evaluating Minimum Reactive Power Support** - *Gabriel Vera, PSC Consulting*	**Substation Lightning Protection Systems & Shielding Evaluation Methods** – *Dave Lewis, Bentley Systems & Kyle Nicholson, Duke Energy*	**Greener Grids, Resilient Networks: Insights from Europe's Ecological Corridor Management** – *Nick Ferguson, LiveEO & Michael Wahl, E.ON*

3:00-3:45 **Coffee Break** – *Exhibit Hall*

CEATI Transmission & Distribution Conference – Tuesday, November 11

	Session A3: Resilient and Sustainable Transmission Systems	Session B3: Distribution Systems of the Future	Session C3: Future-Ready Grid Planning and Operations	Session D3: Grounding & Lightning	Session E3: Integrated Vegetation Management and T&D Systems
	Session Chair: Brian Gallagher, ESB Networks	*Session Chair: Chris Brouillard, National Grid*			***See the latest advancements in action with live technology demonstrations***
3:45	**Enhancing Grid Resiliency through Data-Driven Prioritization** – *Brian Sprinkle, Iapetus Infrastructure Services & TBC, SWEPCO*	**Resiliency NOW! A utilities experience with rapidly analyzing and upgrading circuits to improve resiliency** – *Chad Newton, Osmose & Daniel Wienhold, Baltimore Gas and Electric*	**From Data Gaps to Grid Intelligence: How Evergy Digitalized Its Transmission Network with AI**– *Chad Carsten, Evergy & Don McPhail, eSmart Systems*	**Ground Potential Rise Transfer Along Distribution Lines** – *Babak Jamali – BBA/METSCO*	*Green Grid*
4:30	**Bridging the Data Management Gap** – *Charles Johnson, Amidyne Solutions*	**Optimizing the balance of cost and risk in the management of aging distribution infrastructure** – *Casey Davis, & Keli Thurston Exponent, Michael Didyk, Pacific Gas and Electric Company*	**ComEd's Voltage Optimization Corrective Maintenance Program Success** – *Jason Pozen, ComEd & Kevin Flynn, Qualitest*	**Safety issues along transmission corridors crossing congested areas** – *Emanuel Petrache, Kinectrics*	*Asplundh*

5:30-7:00 Networking Reception – *Exhibit Hall*

CEATI Transmission & Distribution Conference – Wednesday, November 12

7:00-8:30 Breakfast – *Exhibit Hall*

8:30 Panel Session – All tracks

Grid-Readiness for Electrification: How are Utilities Preparing for the Next Decade of Load Growth?

9:45-10:30 Coffee Break – *Exhibit Hall*

	Session A4: Resilient and Sustainable Transmission Systems	Session B4: Distribution Systems of the Future	Session C4: Future-Ready Grid Planning and Operations	Session E4: Integrated Vegetation Management and T&D Systems	Session F1: Innovations in Substations & Protection Systems
	Session Chair: Scott Simons, Manitoba Hydro		***See the latest advancements in action with live technology demonstrations***		
10:30	**Resiliency Under Load** – *Mark Messenger, Osmose*	**The Sault Smart Grid: A Scalable Model for Future-Ready Distribution Systems** - *Robert Brewer, PUC Services, and Gary Johnson, Black & Veatch*	*IBM*	**Condition Based Vegetation Management: Aren't We Really Talking About Asset Management?** – *Robert Vanderhoof, Arbormetrics*	***Unlocking Substation Digitalization: A Unified Approach for the Modern Grid*** – *Jesse Koskela, Eneryield & EcoPhi*
11:15	**Use of consequence/probability risk matrices for work prioritization** – *Issam El Ayadi, Avineet Panu & Matt Horrowitz, Pacific Gas and Electric*	**Utilizing Meter Data Management to Achieve AMI 2.0 for Reliability, Resilience, and Customer Satisfaction** – *Thyagarajan Saravanan & Jagan Mohan Naredla, Con Edison*	*TBC*	*TBC*	***Digital Substations and Virtualized Protection: Enhancing Safety, Efficiency, and Intelligence*** – *Yacine Mallem, ABB*

CEATI Transmission & Distribution Conference – Wednesday, November 12

12:00-1:30 **Lunch** – *Exhibit Hall*

	Session A5: Resilient and Sustainable Transmission Systems	Session B5: Distribution Systems of the Future	Session C5: Future-Ready Grid Planning and Operations	Session D4: Grounding & Lightning	Session F2: Innovations in Substations & Protection Systems
	Session Chair: Dan Chapoton, Duke Energy	*Session Chair: Steve Greey, CEATI*			
1:30	**Beyond Standard Parameters: Assessing 400 kV Line Insulation Integrity via Direct Resistance Measurement - A TAURON Utility Case Study** – *Michal Cicho, Sonel S.A. & Jacob Moshinsky, Stratatek*	**Evaluating the Impacts of Customer Load Electrification on FortisAlberta's Distribution Network** – *Kevin Wan, TETRA Tech and James Cooke, FortisAlberta*	**Enhancing Awareness of the Grid through Advanced Load Forecasting Practices** – *Robert Otal, BBA/METSCO & Alex Bakulev, Charles River Associates*	**Future of Commissioning: Current Injection Testing** – *Brandon Dubrowski, Safearth*	**Improve Reliability Metrics by Enhancing Restoration of Recloser-Dense Distribution Systems** – *Amy Sinclair, Schweitzer Engineering Laboratories*
2:15	**Ensuring Resilience in Transmission UG Cables** – *Sean Bird, and Emma Butler, ESB Networks*	**EV Forecasting in Distribution Planning** - *Reza Dehghan, Eaton and Hydro One (TBC)*	**Investing for Impact: How Proactive Planning Unlocks Value from Electric Transportation** – *Will Thomas, EA Technology*	**Probability of Ignition for De-Energized Conductors subject to Electric and Magnetic Field Induction** – *Matthew Davis, Exponent & Greg Davis, Pacific Gas & Electric*	**Case Studies in Distributed Intelligence Automatic Restoration** – *Lea Maurer, S&C Electric*

3:00-3:45 **Coffee Break** – *Exhibit Hall*

	Session A6: Resilient and Sustainable Transmission Systems	Session B6: Distribution Systems of the Future	Session C6: Future-Ready Grid Planning and Operations	Session D5: Innovations in Substation Systems	Session F3: Innovations in Substations & Protection Systems
	Session Chair: Prasad Yenumula, Duke Energy				
3:45	**Panel Session** – *3:45PM-5:15PM* **Unlocking the Grid's Potential with Grid Enhancing Technologies (GETs)**	**Putting DSO into action: Grid Flexibility and the Clean Energy Transition** – *Daniel Yung & Jeff Crompton, National Grid*	**Is complete grid awareness even possible? The latest technologies enabling the wide scale deployment of transmission line monitoring and why it matters** – *Tom Cleaver, Heimdall Power*	**Developing a Lifecycle-based Transformer Replacement Strategies: Establishing Minimum Reinvestment Thresholds** – *Todd Shepherd, Asset Management System Integration*	**ANSI 46BC Function and Chilquinta's Enhancement** – *Roberto A. Jazme Castro, Chilquinta Energia*
4:30	*Ashley Yue, ATCO Electric,* *Tyson Harper, Hardline Engineering,* *Henri Manninen, Gridraven,* *Michael Craig, Great River Energy,* *Tiffany Menhorn, Prisma Photonics* *Tom Cleaver, Heimdall Power*	*TBC*	**Shovel Ready: Using Regulatory Sandboxes to Unlock the Grid through Advanced Transmission and Distribution Technologies** – *Grace Relf, Lawrence Berkeley National Laboratory & Mike Crowley, United Illuminating Avangrid*	**The Roadmap Towards Net-Zero for HV Grids in North America: SF6-free Switchgear** – *Todd Irwin, GE Vernova*	**Simplifying Compliance: An Integrated Approach to Meeting NERC PRC-002 and PRC-005 Requirements** – *Amy Sinclair, Schweitzer Engineering Laboratories*

5:30-7:00 **Women in Power Networking Reception**
Featuring a panel discussion